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LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Black, Sivalls & Bryson, Inc. (See Gordon, Joseph C., assignor.)

Brennan, Daniel A., Chicago, Ill. Fastener. 20,233; Jan. 5.

Chick, Walter G., et al. (See Drinker, P., and Shaw, assignors.)

Collins, Warren E., et al. (See Drinker, P., and Shaw, assignors.)

Collins, Warren E., Jr., et al. (See Drinker, P., and Shaw, assignors.)

Drinker, Philip, and L. A. Shaw, assignors, by mesne assignments, to W. E. Collins, W. E. Collins, Jr., and W. G. Chick, all of Boston, Mass.; W. E. Collins, Jr., executor of said W. E. Collins, deceased. Respiration apparatus. 20,226; Jan. 5.

Du Pont, E. I., de Nemours & Company. (See Kraft, Frederick G., assignor.)

Gordon, Joseph C., Caripito, Venezuela, assignor to Black, Sivalls & Bryson, Inc., Oklahoma City, Okla. Apparatus for treating liquids. 20,227; Jan. 5.

Guilfoil, Oscar D. (See Muench, T. J., and Guilfoil, assignors.)

Gulliver, Arthur C., London, England. Shoveling hand truck and the like. 20,228; Jan. 5.

Hamilton Metal Products Company, The. (See Piker, Sidney, assignor.)

Kraft, Frederick G., Richmond, Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Spindle. 20,229; Jan. 5.

Muench-Kreuzer Candle Company Inc. (See Muench, T. J., and Guilfoil, assignors.)

Muench, Thomas J., and O. D. Guilfoil, assignors to Muench-Kreuzer Candle Company Inc., Syracuse, N. Y. Candle lamp. Des. 20,230; Jan. 5.

Piker, Sidney, assignor to The Hamilton Metal Products Company, Hamilton, Ohio. Mirror frame door. 20,231; Jan. 5.

Shaw, Louis A. (See Drinker, P., and Shaw.)

Talboys, Henry H., Milwaukee, Wis., assignor, by mesne assignments, to Woolery Machine Company, Minneapolis, Minn. Track wrench. 20,232; Jan. 5.

Woolery Machine Company. (See Talboys, Henry H., assignor.)

LIST OF PLANT PATENTEES

McKee, Ralph H., New York, N. Y. Hybrid poplar. 211; Jan. 5.

McKee, Ralph H., New York, N. Y. Hybrid poplar. 212; Jan. 5.

McKee, Ralph H., New York, N. Y. Hybrid poplar. 213; Jan. 5.

McKee, Ralph H., New York, N. Y. Hybrid poplar. 214; Jan. 5.

McKee, Ralph H., New York, N. Y. Hybrid poplar. 215; Jan. 5.

McKee, Ralph H., New York, N. Y. Hybrid poplar. 216; Jan. 5.

McKee, Ralph H., New York, N. Y. Hybrid poplar. 217; Jan. 5.

McKee, Ralph H., New York, N. Y. Hybrid poplar. 218; Jan. 5.

LIST OF DESIGN PATENTEES

Adams Bros. & Co. (See Adams, Lysle E., assignor.)

Adams, Lysle E., Chicago, Ill., assignor to L. E. Adams, trustee for firm of Adams Bros. & Co. Jar. 102,645; Jan. 5.

American Hardware Corporation, The. (See Vile, Norman J., assignor.)

Artkraft Sign Company. (See Clark, Morton L., assignor.)

Bates, Arthur, North Attleboro, Mass., assignor to Evans Case Company. Receptacle for cigarettes or other articles. 102,626; Jan. 5.

Bestler, John W., Chicago, Ill. Cabinet for a hair waving machine. 102,627; Jan. 5.

Blaha, Stephen J. (See Bowersox, J. W., and Blaha, assignors.)

Bowersox, Joseph W., Kansas City, Mo., and S. J. Blaha, Hinsdale, Ill., assignors to Superior Felt & Bedding Company. Cushion or similar article. 102,646; Jan. 5.

Bromagem, Irl R., assignor to Union City Body Company, Inc., Union City, Ind. Chair seat pan. 102,660; Jan. 5.

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Buma, Yukio, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 102,647; Jan. 5.

Carr-Lowrey Glass Co. (See McLaughlin, Frank, assignor.)

Carrabba, Sebastiano, assignor to Dainty Maid Slippers, Inc., Brooklyn, N. Y. Shoe. 102,601; Jan. 5.

Carrabba, Sebastiano, assignor to Dainty Maid Slippers, Inc., Brooklyn, N. Y. Shoe. 102,602; Jan. 5.

Carrabba, Sebastiano, assignor to Dainty Maid Slippers, Inc., Brooklyn, N. Y. Shoe. 102,603; Jan. 5.

Clark, Morton L., assignor to The Artkraft Sign Company, Lima, Ohio. V-type marquee. 102,648; Jan. 5.

Coca-Cola Company, The. (See Worthington, Everett, assignor.)

Cregut, Peter, Palisades Park, N. J., assignor to M. D. Kornfeld, New York, N. Y. Textile fabric or similar article. 102,604; Jan. 5.

Dainty Maid Slippers, Inc. (See Carrabba, Sebastiano.)

Dayatnite Lamp Corporation. (See Greenmun, Leo S., assignor.)

Deering Milliken & Co., Inc. (See Killars, John, Jr., assignor.)

Dennis, Louis M., Ithaca, N. Y. Tray. 102,628; Jan. 5.

Dietz, R. E., Company. (See Korshin, Matthew R., assignor.)

Dunberg, David W., assignor to Jacques Kreisler Sales Corporation, New York, N. Y. Vanity case, or similar article. 102,629; Jan. 5.

Earl, Oliver L., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Washing machine cabinet or similar article. 102,630; Jan. 5.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 102,661; Jan. 5.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 102,662; Jan. 5.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Spoked wheel. 102,663; Jan. 5.

Emporium, The. (See Kaplan, Walter, assignor.)

Evans Case Company. (See Bates, Arthur, assignor.)

Evans Case Company. (See Reilly, William J., assignor.)

Evans, Howell G., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Combined cabinet and X-ray picture display support or the like. 102,664; Jan. 5.

Fay, John C., Chicago, Ill., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Doctor's cabinet or the like. 102,631; Jan. 5.

General Time Instruments Corporation. (See Schlenker, Max., assignor.)

Grayson, John H., and G. Greenamyer, Lynwood, Calif. Electric range control panel. 102,649; Jan. 5.

Greenamyer, George. (See Grayson, J. H., and Greenamyer.)

Greenmun, Leo S., Binghamton, N. Y., assignor to Dayatnite Lamp Corporation, Newark, N. J. Bulb for headlamps. 102,650; Jan. 5.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily. 102,605; Jan. 5.

Hamilton Manufacturing Company. (See Evans, Howell G., assignor.)

Hamilton Manufacturing Company. (See Fay, John C., assignor.)

Hanson, Eugene I., New York, N. Y. Textile fabric. 102,665; Jan. 5.

Hazel-Atlas Glass Company. (See Spence, James E., assignor.)
Heldbrink, Jay A., Minneapolis, Minn. Gas administering machine. 102,632; Jan. 5.
Heller, Frank J., Scarsdale, N. Y. Rug. 102,666; Jan. 5.
Jacob, Moe, New York, N. Y. Slipper. 102,651; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,606; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,607; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,608; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,609; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,610; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,611; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,612; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,613; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,614; Jan. 5.
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 102,615; Jan. 5.
Killars, John, Jr., Greenville, S. C., assignor to Deering Milliken & Co., Inc. Textile fabric. 102,633; Jan. 5.
Kornfeld, Morton D. (See Cregut, Peter, assignor.)
Korshin, Matthew R., Media, Pa., assignor to R. E. Dietz Company, New York, N. Y. Motor vehicle marker lamp or similar article. 102,634; Jan. 5.
Kreisler, Jacques, Sales Corporation. (See Dunberg, David W., assignor.)
Lion, Oscar, New York, N. Y. Ribbon roller rack. 102,652; Jan. 5.
Macdonald, John G., Toronto, Ontario, Canada. Electric fan casing. 102,667; Jan. 5.
Massa, Ralph. Bracelet. 102,635; Jan. 5.
Maximilian, Octavian, Pittsburgh, Pa. Combined switch plate and thermometer. 102,668; Jan. 5.
McLaughlin, Frank, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 102,636; Jan. 5.
Meyer, Charles J., Chicago, Ill. Radio receiving apparatus. 102,653; Jan. 5.
Millsap, Lyndon C., Sullivan, Ill. Tobacco pipe. 102,637; Jan. 5.
Milwaukee Lace Paper Company. (See Hamilton, Kenneth C., assignor.)
Minoff, Jack, Newark, N. J. Knitted fabric. 102,669; Jan. 5.
Mintz, Benjamin, Brooklyn, N. Y. Carton or similar article. 102,654; Jan. 5.
Morimura Bros. Inc. (See Buma, Yukio, assignor.)
Mullins Manufacturing Corporation. (See Earl, Oliver L., assignor.)
Newman, Nathaniel, Chicago, Ill. Carpet underliner. 102,616; Jan. 5.
Nicholides, Emmanuel C., Bronx, assignor to Sonotone Corporation, New York, N. Y. Hearing-aid transmitter microphone body. 102,655; Jan. 5.
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Tube or similar container. 102,638; Jan. 5.
Odencrants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 102,617; Jan. 5.
Odencrants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 102,618; Jan. 5.
Odencrants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 102,619; Jan. 5.
Odencrants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 102,620; Jan. 5.
Odencrants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 102,621; Jan. 5.
Odencrants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 102,622; Jan. 5.
Olin, Louis B., Chicago, Ill. Confectionery product. 102,639; Jan. 5.
Reilly, William J., Attleboro, Mass., assignor to Evans Case Company. Trimming for receptacles for cigarettes or other articles. 102,640; Jan. 5.
Reilly, William J., Attleboro, Mass., assignor to Evans Case Company. Receptacle for cigarettes or other articles. 102,641; Jan. 5.
Saeks, Alvin L., University City, Mo. Moth preventative tablet. 102,642; Jan. 5.
Saldin, Max, Brooklyn, assignor to A. M. Webb & Co., Inc., New York, N. Y. Sport shirt or similar article. 102,656; Jan. 5.
Schlenker, Max., La Salle, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Clock. 102,623; Jan. 5.
Scurlock, Lewis H., Chicago, Ill. Refrigerator tray. 102,657; Jan. 5.
Sonotone Corporation. (See Nicholides, Emmanuel C., assignor.)
Spence, James E., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Plate. 102,658; Jan. 5.
Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)
Steingruber, George, Huntsville, Ala. Electric heater casing. 102,670; Jan. 5.
Superior Felt & Bedding Company. (See Bowersox, J. W., and Blaha, assignors.)
Turlansky, Abraham, New York, N. Y. Shoe. 102,624; Jan. 5.
Turlansky, Abraham, New York, N. Y. Shoe. 102,625; Jan. 5.
Union City Body Company, Inc. (See Bromagen, Irl R., assignor.)
Valley Shoe Corporation. (See Odencrants, Hans H. C., assignor.)
Vile, Norman J., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. 102,643; Jan. 5.
Walker, George W., Detroit, Mich. Refrigerator. 102,659; Jan. 5.
Webb, A. M., Co., Inc. (See Saldin, Max, assignor.)
Wilde, Hans W., North Bergen, N. J. Textile fabric. 102,644; Jan. 5.
Worthington, Everett, Chicago, Ill., assignor to The Coca-Cola Company, Wilmington, Del. Bottle carrier. 102,671; Jan. 5.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aberle, H. C., Company. (See Aberle, Harry C., assignor.)
Aberle, Harry C., Jenkintown, assignor to H. C. Aberle Company, Philadelphia, Pa. Stocking package. 2,067,111; Jan. 5.
Adams, Chester D., Lexington, Ky. Arch supporter and exerciser. 2,064,443; Jan. 5.
Adams Company, The. (See Spensley, William J., assignor.)
Adams, Gilbert E., and E. C. Marshall, Gary, Ind. Control system for strip mills and the like. 2,066,872; Jan. 5.
Adams, John H., Seattle, Wash. Hair curling and securing device. 2,066,709; Jan. 5.
Agfa Ansco Corporation. (See Dieterle, W., Zeh, and Zerweck, assignors.)
Agfa Ansco Corporation. (See Heymer, Gerd, assignor.)
Ahlgren, Thor H. (See Törnebohm, Hilding V., assignor.)
Ahlman, Frans H., Morristown, Minn. Adjustable water supply controlling valve assembly. 2,067,112; Jan. 5.
Ajax Electric Furnace Corporation. (See Wyatt, James R., assignor.)
Aktiebolaget Milo. (See Lysholm, Alf., assignor.)
Aktiebolaget Termisk Isolation. (See Munters, Carl G., assignor.)
Albert, Carl P., assignor to Greene Manufacturing Company, Racine, Wis. Hood hinge. 2,064,444; Jan. 5.
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Disk tool. 2,066,381; Jan. 5.
Albrecht, Carl. (See Bonath, K., and Albrecht.)
Aldridge, Blair G. (See Fisher, H. F., and Aldridge.)
Alexander, Earl C., Glen Ellyn, assignor to Massey Concrete Products Corporation, Chicago, Ill. Crossing slab. 2,067,037; Jan. 5.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Recording mechanism. 2,066,309; Jan. 5.
Allen, Earl M., Swissvale, and H. S. Young, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,066,903; Jan. 5.
Allen, Ernest C., Milwaukee, Wis. Tilting croquet. 2,067,005; Jan. 5.
Allen, Featherston H. (See Stevens, E. F., and Allen.)
Allen, Paul E., Niles Center, Ill. Nursing bottle. 2,066,445; Jan. 5.
Allen, William H. (See Ritchie, C. F., Gale, and Allen.)
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Furnace and method for heating fluids. 2,066,664; Jan. 5.
Aluminum Company of America. (See Craighead, Charles M., assignor.)
Aluminum Company of America. (See Young, Samuel D., assignor.)
American Brake Shoe and Foundry Company, The. (See Nelson, Albert, assignor.)
American Fork & Hoe Company, The. (See Wright, Carl, assignor.)
American Hardware Corporation, The. (See Moore, Wallace F., assignor.)
American-La France-Foamite Corporation. (See Smith, Carlisle F., assignor.)
American Laundry Machinery Company, The. (See Daly, Joseph P., assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Magnesium Metals Corporation. (See Schichtel, Georg, assignor.)
American Pearl Button Company. (See Knott, Harry H., assignor.)
American Potash & Chemical Corporation. (See Ritchie, C. F., Gale, and Allen, assignors.)
American Radiator Company. (See Wales, George F., assignor.)
American Rolling Mill Company, The. (See Snyder, Howard C., assignor.)
American Sales Book Company. (See Greig, Walter, assignor.)
American Screw Company. (See Tomalis, Joseph J., assignor.)
American Seating Company. (See Leader, H. S., and Nordmark, assignors.)
American Stove Company. (See Brumbaugh, Isaac V., assignor.)
American Telephone and Telegraph Company. (See Friend, Otto A., assignor.)
American Telephone and Telegraph Company. (See Sheatsley, Paul W., assignor.)
Ames, James W., Montclair, N. J. Device for holding and positioning railroad spikes. 2,066,382; Jan. 5.
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Conveyer. 2,066,756; Jan. 5.
Anderson, Russell G. (See Blazek, J. Y., and Anderson.)
Andrada, Morris J., East Orange, assignor to Robbins Conveying Belt Company, Passaic, N. J. Portable sectional conveyer. 2,066,383; Jan. 5.
Andreana, Henry, New York, N. Y. Workbench. 2,067,113; Jan. 5.
Andres, William A., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-lifter actuating device for sewing machines. 2,067,038; Jan. 5.
Appel, William D., and H. F. Schiefer, Washington, D. C. Display apparatus. 2,066,310; Jan. 5.
Appel, William D., and H. F. Schiefer, Washington, D. C., assignors to The Government of the United States, represented by The Secretary of Commerce. Machine for testing fabrics. 2,066,311; Jan. 5.
Archer, Robert S., Evanston, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Alloy. 2,066,512; Jan. 5.
"Arenella" Societa Italiana per l'Industria dell' Acido Citrico ed Affini. (See Leone, Pietro, assignor.)
Argus Manufacturing Company. (See Smith-Strange, Yngve, assignor.)
Arlt, Herbert G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiring device. 2,066,511; Jan. 5.
Armstrong Cork Company, et al. (See Cahoon, B. F., and Seaman, assignors.)
Armstrong Cork Company. (See Holt, Daniel S., assignor.)
Armstrong Cork Company. (See Lee, Louis R., assignor.)
Armstrong Cork Company. (See McCombs, Arnold R., assignor.)
Armstrong Cork Company. (See Rottmund, Fred G., assignor.)
Armstrong Siddeley Motors Limited. (See Viale, S. M., and Wylie, assignors.)
Arnold, Craig R., Dahlonega, Ga. Recovering metals from ores, etc. 2,067,006; Jan. 5.
Arthur, James L. (See Fitzsimmons, J. T., and Arthur.)
Ashton, Charles J., Highland Park, Mich. Push rod assembly. 2,067,114; Jan. 5.
Associated Electric Laboratories, Inc. (See de Berard, L. A., and Martin, assignors.)
Associated Telephone Utilities Company. (See Collins, R. D., and Crane, assignors.)
Associated Telephone Utilities Company. (See Collins, R. D., Reid, and Bourne, assignors.)
Auer, George A., Chicago, Ill. Retaining device. 2,067,039; Jan. 5.
Automatic Electric Company Limited. (See Simpson, Lancelot M., assignor.)
Aurora Corset Company. (See Mead, Larkin J., assignor.)
Axelson Manufacturing Co. (See Williams, Glynn H., assignor.)
Backmann, Peter E., Los Angeles, Calif. Precision instrument. 2,066,446; Jan. 5.
Bade, Anny, née Niethammer, Schonkirchen, Germany. Nautical angle-measuring and drawing instrument. 2,066,384; Jan. 5.
Bado, Atilio A. M., Buenos Aires, Argentina. Purification of water and other liquids. 2,066,710; Jan. 5.
Bahr, August T. J., St. Louis, Mo., assignor to Bahr Starting Gate Corporation, Chicago, Ill. Starting gate. 2,066,447; Jan. 5.
Bahr, August T. J., assignor to Bahr Starting Gate Corporation, Chicago, Ill. Starting gate with self-aligning spiked stall partitions. 2,066,448; Jan. 5.
Bahr Starting Gate Corporation. (See Bahr, August T. J., assignor.)
Bailey, Marie, Los Angeles, Calif. Scissors. 2,066,757; Jan. 5.
Baily, Thaddeus F., Canton, Ohio. Treatment of ores containing iron. 2,066,665; Jan. 5.
Baker, Arthur R., Indianapolis, Ind., assignor, by mesne assignments, to Columbia Carburetor Company. Carburetor. 2,066,318; Jan. 5.
Baker, J. M., Pattern Company. (See Corley, John T., assignor.)
Baldwin-Southwark Corporation. (See Dinsl, Richard W., assignor.)
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Air conditioned display table. 2,066,312; Jan. 5.

Ball, George L. (See Schmidt, C. F., Jr., and Ball.)
Banfield, Frederic E., Jr., Saco, assignor to Saco-Lowell Shops, Boston, Mass. Spinning ring mounting. 2,067,135; Jan. 5.
Banks, Charles G., assignor to F. L. A. Graham, Los Angeles, Calif. Swing joint. 2,066,711; Jan. 5.
Barnes, Gladeon M., Hastings, Mich. Gun. 2,066,319; Jan. 5.
Barnes, William B., Indianapolis, Ind. Over-drive transmission. 2,066,873; Jan. 5.
Barnett, Max H., et al. (See Hoffman, Charles D., assignor.)
Barr, Roy E., Childress, Tex. Dental instrument. 2,066,313; Jan. 5.
Barrett Company, The. (See Bergeim, Frank H., assignor.)
Barrett, William, International Falls, assignor, to The Insulite Company, Minneapolis, Minn. Bundling apparatus. 2,066,449; Jan. 5.
Barringer, Elmer D., Cleveland, Ohio. Casement window weatherstrip means. 2,066,712; Jan. 5.
Barrows, Donald S., and G. F. Couch, assignors to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,066,602; Jan. 5.
Barthelemy, Henri L., Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y. Manufacture of artificial silk. 2,066,385; Jan. 5.
Bartholomew, Frank J. (See Hechenbleikner, L, and Bartholomew.)
Bartmess, Meigs W., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermal protective system. 2,066,904; Jan. 5.
Bartol, George E., Jr., Wynnewood, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J. Manufacturing pens. 2,067,040; Jan. 5.
Bartscherer, Franz, Duisburg-Hamborn, Germany. Improving the structure of steel products. 2,066,314; Jan. 5.
Bascle, Joseph A., and W. H. Berry, New Orleans, La. Hydraulic clutch. 2,066,450; Jan. 5.
Bashore, John W. (See Porter, H. W., and Bashore.)
Bassoff, Arthur B., Brooklyn, N. Y. Infinitely variable speed mechanical transmission system. 2,066,758; Jan. 5.
Batcheller, Clements, Glens Falls, N. Y. Making Portland cement products. 2,066,550; Jan. 5.
Battersby, William D. (See Bauer, H. C., and Parker, assignors.)
Bauer, Henry C., and G. R. Parker, Philadelphia, assignor to W. D. Battersby, Fort Washington, Pa. Tank safety valve. 2,066,315; Jan. 5.
Baynton, Harold H., and J. W. Foster, Freehold, N. J., assignors to A. & M. Karagheusian, Inc., New York, N. Y. Machine for applying an intermediate strip and base to pile fabrics. 2,066,316; Jan. 5.
Beall, Lawrence R., Washington, D. C. Educational and amusement device. 2,066,818; Jan. 5.
Bebinger, Charles N., assignor to La-Del Conveyor & Mfg. Co., New Philadelphia, Ohio. Carriage for shaking conveyers. 2,066,451; Jan. 5.
Becker, Gus E., Fresno, Calif. Power-operated cultivator. 2,066,666; Jan. 5.
Becq, André, and P. Nicolas, Paris, France, assignors to Société Française Radio Electrique. Remote control and signaling system for railway installations. 2,066,513; Jan. 5.
Beetem, Frank G., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Controlling the charging voltage of storage batteries. 2,066,603; Jan. 5.
Beisel, Rex B., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cooling means. 2,067,041; Jan. 5.
Bell Telephone Laboratories, Incorporated. (See Arlt, Herbert G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Beyer, J. W., and Terry, assignors.)
Bell Telephone Laboratories, Incorporated. (See Bishop, Walter M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bjornson, B. G., and Bryant, assignors.)
Bell Telephone Laboratories, Incorporated. (See Caruthers, Robert S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cramer, Walter W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Doherty, William H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gilbert, John J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harper, Augustus E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lucas, Francis F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rosene, Victor E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Whitney, Wiley, assignor.)
Bellis, Joseph, St. Paul, Minn. Carburetor control mechanism. 2,066,667; Jan. 5.
Benguet Consolidated Mining Co. S. A. (See Morris, Jephthah M., assignor.)
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,066,320; Jan. 5.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,066,321; Jan. 5.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,066,322; Jan. 5.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,066,323; Jan. 5.
Bennett, Edward, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Heating electrically conducting bodies for industrial operations. 2,066,668; Jan. 5.
Bent, Leavitt N., Holly Oak, assignor to Hercules Powder Company, Wilmington, Del. Coating composition. 2,066,759; Jan. 5.
Bergeim, Frank H., Leonia, N. J., assignor to The Barrett Company, New York, N. Y. Distillation product. 2,066,386; Jan. 5.
Berkstresser, Charles S., Lacoochee, Fla. Machine for making box or crate parts. 2,066,551; Jan. 5.
Berman, Oscar A., Brooklyn, N. Y. Garment. 2,066,324; Jan. 5.
Bernard, Auguste L. R., assignor to Society "Fusion-Moteurs", Rueil-Malmaison, France. Method and apparatus for lubricating. 2,066,452; Jan. 5.
Berry, William H. (See Bascle, J. A., and Berry.)
Berry, William S., Hagerstown, Md., assignor to Pioneer Instrument Company, Inc., Brooklyn, N. Y. Aircraft engine synchronizing system. 2,066,819; Jan. 5.
Bertl, Joseph, Brooklyn, assignor to Phinney-Walker Co. Inc., New York, N. Y. Electric clock. 2,066,604; Jan. 5.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,066,552; Jan. 5.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,066,553; Jan. 5.
Buschel, Wilhelm. (See Goldschmidt, S., Gerisch, Beuschel, and Müller.)
Beyer, Jesse W., Rutherford, N. J., and D. M. Terry, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control circuits. 2,066,514; Jan. 5.
Bigelow, Charles G., O. C. Callow, and W. C. Schofield, assignors to Freyn Engineering Company, Chicago, Ill. Stock line recorder. 2,066,387; Jan. 5.
Bilde, Tord E. D., and S. E. Lindvall, Stockholm, Sweden. Cash register. 2,066,669; Jan. 5.
Billing, Noel P., London, England. Camera. 2,066,605; Jan. 5.
Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Birdseye Electric Corporation, Dover, Del. Reclaiming electric lamps. 2,067,150; Jan. 5.
Birdseye Electric Corporation. (See Birdseye, Clarence, assignor.)
Birkin, Dimitri, Berlin, Germany, assignor to firm Edward G. Budd Manufacturing Company, Philadelphia, Pa. Construction of metal girders. 2,066,388; Jan. 5.
Birmingham Artificial Limb Company. (See Willett, Samuel A., assignor.)
Bishop, Walter M., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Heat treating magnetic materials. 2,066,515; Jan. 5.
Bitner, John S. (See Schmid, F. S., and Bitner.)
Bjornson, Bjorn G., New York, N. Y., and N. W. Bryant, Lyndhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling system. 2,066,325; Jan. 5.
Blake, Harold D., Cleveland Heights, and W. J. Geiger, Cleveland, Ohio, assignors to General Electric Company. Base for electric lamps or similar devices. 2,066,317; Jan. 5.
Blamberg, Ernst, assignor to Hartmann & Braun Aktiengesellschaft, Frankfort-on-the-Main, Germany. Self starting, stopping reversible synchronous motor. 2,066,760; Jan. 5.
Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Draft rigging. 2,066,606; Jan. 5.
Blazek, John Y., Maple Heights, and R. G. Anderson, Cleveland, assignors to Lempco Products, Inc., Bedford, Ohio. Tool setting means. 2,066,380; Jan. 5.
Bleeck, John, London, England. Preservative for animal and vegetable substances. 2,066,453; Jan. 5.
Bloom, Jacob, Philadelphia, Pa. Hinge. 2,067,042; Jan. 5.
Bogaty, Hermann S., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying tobacco. 2,067,115; Jan. 5.
Böhm, Otto, A. Gothe, and H. O. Roosenstein, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 2,066,874; Jan. 5.
Bohn Aluminum & Brass Corporation. (See Moffatt, Chester C., assignor.)
Bolas, Harold. (See Crouch, R. J. G., and Bolas.)
Bonath, Klaus, and C. Albrecht, Kronberg-in-Taunus, assignors to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Thermal treatment of light metals and light metal alloys. 2,066,454; Jan. 5.
Bonrath, Wilhelm. (See Schönhöfer, F., and Bonrath.)
Bond Electric Corporation. (See Younkman, G. W., and Darling, assignors.)

Bonrath, Wilhelm. (See Schönhöfer, F., and Bonrath.)
Booth, Harold S., Cleveland Heights, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Halogenated methyl ethers. 2,066,905; Jan. 5.
Borg-Warner Corporation. (See Keilholtz, Lester S., assignor.)
Borg-Warner Corporation. (See Keilholtz, L. S., and Volberding, assignors.)
Borg-Warner Corporation. (See May, Edward M., assignor.)
Borg-Warner Corporation. (See Osborne, William B., assignor.)
Bourne, Stanley E. (See Collins, R. D., Reid, and Bourne.)
Bouton, Edgar M., Park Ridge, and W. F. Eames, Edgewood, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Signal and control system for elevators. 2,066,906; Jan. 5.
Bouton, Edgar M., Chicago, Ill., and W. F. Eames, Pittsburgh, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator system. 2,066,909; Jan. 5.
Bouton, Edgar M., and H. W. Williams, assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Signal and control system for elevators. 2,066,907; Jan. 5.
Bouton, Edgar M., and H. W. Williams, assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator system. 2,066,908; Jan. 5.
Bowen, Joel, assignor to Model Specialty Sales Company, Miami, Fla. Flush valve silencer. 2,066,554; Jan. 5.
Bowen, Lester W., Larchmont, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection system. 2,066,436; Jan. 5.
Bowland, Ruth A., Tulsa, Okla. Adjustable head size form. 2,066,713; Jan. 5.
Braden, Rene A., Merchantville, N. J., assignor to Radio Corporation of America. Band pass amplifier coupling. 2,066,875; Jan. 5.
Bradley, Ralph S. (See Kronquist, David F., assignor.)
Brashares, Harry E., St. Paul, Minn., assignor, by mesne assignments, to Union Switch & Signal Company, Swissvale, Pa. Protected switch operating system. 2,066,455; Jan. 5.
Braund, John J., Washington, D. C. Relief map duplicating machine. 2,066,555; Jan. 5.
Brett, Serene E., Portland, Oreg., and G. H. Rarey, Fort Benning, Ga., U. S. Army. Turret gun mount. 2,066,326; Jan. 5.
Bridenbaugh, Elmer H., Denver, Colo., assignor, by mesne assignments, to Standard Power Bed Company. Wall bed. 2,067,136; Jan. 5.
Briggs Manufacturing Company. (See Platz, Henry T., assignor.)
Brown, Bernis B., Portland, Oreg. Material handling apparatus. 2,066,456; Jan. 5.
Brown, Edwin J., New York, N. Y. Slot mechanism. 2,066,820; Jan. 5.
Brown, Harry F., New Haven, Conn., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire lubricator. 2,066,761; Jan. 5.
Brown, Ned C. I., Scottsville, assignor to General Railway Signal Company, Gates, N. Y. Train control. 2,067,116; Jan. 5.
Brownback, Henry L., Norristown, Pa. Sealing composition. 2,066,958; Jan. 5.
Browne, Mary K., Willoughby, Ohio. Battle board tennis game. 2,067,071; Jan. 5.
Browning, Paul, Brooklyn, N. Y. Seam ripper. 2,066,556; Jan. 5.
Brumbaugh, Isaac V., assignor to American Stove Company, St. Louis, Mo. Thermostatic heat control for stove ovens. 2,066,821; Jan. 5.
Bryant, Newton W. (See Bjornson, B. G., and Bryant.)
Bryce, James W., Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y. Scale. 2,066,762; Jan. 5.
Bryce, James W., Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y. Material controlling scale. 2,066,763; Jan. 5.
Buckeye Portable Tool Company, The. (See Ripsch, Charles W., assignor.)
Buckeye Steel Castings Company, The. (See Johnson, G. T., and Stertzbach, assignors.)
Buckeye Steel Castings Company, The. (See Wolfe, H. H., and McPherson, assignors.)
Budd, Edward G., Manufacturing Company. (See Birkin, Dimitri, assignor.)
Budd Wheel Company. (See Ekvergian, Carolus L., assignor.)
Bugg, Kenly C., Farmington, Mo. Package and producing the same. 2,066,516; Jan. 5.
Burgess, Walter S., and E. K. Golley, Benton Harbor, assignors to The O. & W. Thum Company, Grand Rapids, Mich. Apparatus for treating and diffusing pyrethrum. 2,066,607; Jan. 5.
Bürr, Karl. (See Lambers, W., and Bürr.)
Burt Machine Company. (See Wild, Charles H., assignor.)
Bushnell, John H., assignor to Wagemaker Company, Grand Rapids, Mich. Typewriter desk. 2,066,608; Jan. 5.
Butler, Bernard J. (See Pilors, B. P., and Butler.)
Butterfield, Wendell. (See Lane, G. T., and Butterfield.)
Butterworth, Samuel D., Detroit, Mich., assignor of ninety-nine per cent to The Worth Company. Car loading device. 2,066,714; Jan. 5.
Butusov, Emil P. (See Lewy, Daniel, assignor.)
Buzzard, Robert W., Kensington, Md. Bath for anodic treatment of aluminum. 2,066,327; Jan. 5.
C-M-P Fishing Tool Company. (See Church, Walter L., assignor.)
Cahoon, Brent F., Kew Gardens, N. Y., and H. C. Seaman, Jr., Short Hills, N. J., assignors of one-half to Armstrong Cork Company, and one-half to Captive Closures, Inc., New York, N. Y. Closure for containers. 2,066,390; Jan. 5.
Cain, Bernard M., Ballston Lake, N. Y., assignor to General Electric Company. High tension ignition system. 2,066,959; Jan. 5.
Caldwell, Harold B., New York, N. Y., assignor to Swenson Evaporator Company, Harvey, Ill. Vacuum crystallizer and method of crystallizing. 2,067,043; Jan. 5.
California Packing Corporation. (See Pilors, B. P., and Butler, assignors.)
Callow, Olaf C. (See Bigelow, C. G., Callow, and Schofield.)
Cameron, Joseph A., Montreal, Quebec, Canada, assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,066,609; Jan. 5.
Cameron, William J., Chicago, Ill. Handle for instruments. 2,066,328; Jan. 5.
Camp, Mortimer H. (See Wratschko, Joseph, assignor.)
Campbell, Charles, London, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,066,764; Jan. 5.
Campbell, Robert H., Upper Edmonton, London, assignor to Sparklets, Limited, London, England. Metallic bulb and holder. 2,066,517; Jan. 5.
Campbell, Wyant & Cannon Foundry Company. (See Goldberg, Mark J., assignor.)
Canales, John, Astoria, assignor to F. W. Kammerer, New York, N. Y. Metal weather strip for steel casement windows and doors. 2,066,910; Jan. 5.
Caporale, Peter A., Watertown, Mass. Electrical safety razor. 2,067,072; Jan. 5.
Captive Closures, Inc., et al. (See Cahoon, B. F., and Seaman, assignors.)
Carborundum Company, The. (See Hawke, Clarence E., assignor.)
Carborundum Company, The. (See Kirchner, Henry P., assignor.)
Carey, Philip, Manufacturing Company, The. (See Greider, H. W., and Smith, assignors.)
Carhart, Elizabeth M., Clarendon, Va. Sealed container. 2,067,117; Jan. 5.
Carlin, Julius E., Bronx, N. Y. Farm machinery. 2,066,610; Jan. 5.
Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Timepiece. 2,066,518; Jan. 5.
Carmody, William H., Pittsburgh, Pa., assignor to The Neville Company. Heat polymerization. 2,067,073; Jan. 5.
Carney, Charles F. (See Williams, H. W., Carney, and Jones.)
Carothers, Wallace H., A. M. Collins, and J. E. Kirby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical products and producing same. 2,066,329; Jan. 5.
Carothers, Wallace H., and A. M. Collins, Wilmington, and J. E. Kirby, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical products and producing same. 2,066,330; Jan. 5.
Carothers, Wallace H., and A. M. Collins, Wilmington, and J. E. Kirby, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical products and producing same. 2,066,331; Jan. 5.
Carpenter, Glenn W., Haddonfield, and W. D. La Rue, Merchantville, N. J., assignors to Radio Corporation of America. Wiring system for electrical apparatus. 2,066,876; Jan. 5.
Carson, Hiram J., Cedar Rapids, Iowa. Manufacturing gases. 2,066,670; Jan. 5.
Carter Carburetor Corporation. (See Ewart, William M., assignor.)
Carus Chemical Company. (See Schumacher, Joseph, assignor.)
Caruthers, Robert S., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier wave transmission system. 2,066,332; Jan. 5.
Caruthers, Robert S., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave amplification and generation. 2,066,333; Jan. 5.
Case, Harry R., assignor to The Luzerne Rubber Company, Trenton, N. J. Sliding door for display cases. 2,067,118; Jan. 5.
Case, J. I., Company. (See Rutter, Alvah E., assignor.)
Cathey, Cecil C., Albany, Oreg. Hanger for trousers. 2,066,765; Jan. 5.
Catland, Alfred C. (See Howard, J. H., and Catland.)
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Roller bit. 2,066,671; Jan. 5.
Celanese Corporation of America. (See Sowter, Percy F. C., assignor.)

Celanese Corporation of America. (See Winter, A. S., and Jackson, assignors.)
Centeno V., Melchor, Caracas, Venezuela, assignor to International Television Radio Corporation, New York, N. Y. Television apparatus. 2,066,715; Jan. 5.
Chambers Brothers Company. (See King, Howard K., assignor.)
Chandler, Frank W., et al. (See Skeen, Chester W., assignor.)
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Lubricating device. 2,066,760; Jan. 5.
Chase, Frederic L., assignor to General Motors Corporation, Dayton, Ohio. Refrigeration. 2,066,334; Jan. 5.
Chemical Construction Corporation. (See Hechenbleikner, I., and Bartholomew, assignors.)
Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)
Chilton, Ralph H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,067,074; Jan. 5.
Christy, Andrew, assignor to G-M Laboratories, Inc., Chicago, Ill. Selenium cell. 2,066,611; Jan. 5.
Church, Walter L., assignor to C-M-P Fishing Tool Company, Houston, Tex. Pipe cutter. 2,066,767; Jan. 5.
Clark, Edward A., Saline, Mich. Variable shear hair clipper. 2,067,075; Jan. 5.
Clark, Ephraim C. S., Newburyport, Mass., assignor to The Linen Thread Co., Inc., Paterson, N. J. Trawl board and the like. 2,066,519; Jan. 5.
Clark, Lawrence N., Newton, Mass. Holder for articles. 2,066,768; Jan. 5.
Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Solvent refining of mineral oil. 2,067,137; Jan. 5.
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Clouse, Richard M. (See Templeton, H. F., and Clouse.)
Cohen, Leon, Downey, Calif. Rack. 2,066,822; Jan. 5.
Cohen, Leon, Downey, Calif. Sectional shoe rack. 2,066,823; Jan. 5.
Cohen, Leon, Downey, Calif. Shoe holder bracket. 2,066,824; Jan. 5.
Cohen, Leon, Downey, Calif. Bracket for holding pocketbooks. 2,066,825; Jan. 5.
Collins, Arnold M. (See Carothers, W. H., Collins, and Kirby.)
Collins, Ralph D., W. M. Reid, and S. E. Bourne, Los Angeles, Calif., assignors to Associated Telephone Utilities Company, Chicago, Ill. Pay telephone station. 2,066,391; Jan. 5.
Collins, Ralph D., Los Angeles, and S. F. Crane, Long Beach, Calif., assignors to Associated Telephone Utilities Company, Chicago, Ill. Pay telephone station. 2,066,392; Jan. 5.
Colman, Roderick M., Southampton, N. Y. Convertible davenport. 2,066,612; Jan. 5.
Columbia Carburetor Company. (See Baker, Arthur R., assignor.)
Commercial Solvents Corporation. (See Pickard, Glenn H., assignor.)
Comstock, Clark S., Great Barrington, Mass. Towel rack attachment. 2,066,335; Jan. 5.
Conti, Eugene, Mount Vernon, assignor to A. Herz, New Rochelle, N. Y. Apparatus for packaging articles. 2,066,769; Jan. 5.
Cook, Henry A., Stratford, Conn., and L. F. Kummel, Chicago, Ill., assignors to General Electric Company. Wiring system and fitting therefor. 2,066,960; Jan. 5.
Corley, John T., assignor to J. M. Baker Pattern Company, Inc., Providence, R. I. Portable standpipe. 2,067,044; Jan. 5.
Couch, Glenn F. (See Barrows, D. S., and Couch.)
Cox, Rowland W., Putney, London, England. Motor vehicle seat. 2,066,557; Jan. 5.
Craighead, Charles M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Controlling grain structure in alloys and articles produced thereby. 2,067,076; Jan. 5.
Cramer, Walter W., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 2,066,520; Jan. 5.
Crane, Sylvain F. (See Collins, R. D., and Crane.)
Cremer, Hans, assignor to Gebrueder Eickhoff, Maschinenfabrik und Eisengiesserei, Bochum, Germany. Driving mechanism for shaking conveyers and the like. 2,066,961; Jan. 5.
Cross, Lloyd, Delanco, N. J. Shaft for golf clubs, or the like. 2,066,962; Jan. 5.
Crouch, Rupert J. G., and H. Bolas, Pawtucket, R. I. Aircraft. 2,066,336; Jan. 5.
Cruickshank, Alexander, Clayburn, British Columbia, Canada. Pliers. 2,066,716; Jan. 5.
Cruver, Curtis L., Oak Park, Ill. Attachment for beverage dispensing faucets. 2,066,877; Jan. 5.
Cummins Perforator Company. (See Swanson, Hjalmar A., assignor.)
Cunningham, Thomas L., New York, N. Y. Waterproof box. 2,066,337; Jan. 5.
Curry, Robert A., assignor, by mesne assignments, to Indiana Steel Products Company, Chicago, Ill. Magnetic iron alloy. 2,066,911; Jan. 5.
Curry, Robert A., assignor, by mesne assignments, to Indiana Steel Products Company, Chicago, Ill. Magnetic iron alloy. 2,066,926; Jan. 5.
Curtis, Jesse T., Cleveland, Ohio. Box and box blank. 2,066,963; Jan. 5.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drilling apparatus. 2,066,927; Jan. 5.
Curtis Publishing Company. (See Grammer, Allen L., assignor.)
Cutler-Hammer, Inc. (See Seeger, E. W., and Harwood, assignors.)
Dailey, Karl F., Cleveland, Ohio. Centrifugal casting machine. 2,066,521; Jan. 5.
Dalton, John T., assignor to Wright-Dalton Machinery Company, Incorporated, Durham, N. C. Tobacco feeder for cigarette machines. 2,066,338; Jan. 5.
Daly, Joseph P., New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Press control mechanism. 2,067,045; Jan. 5.
Darling, Roy L. (See Younkman, G. W., and Darling.)
Darsey, Van M., assignor, by mesne assignments, to The Patents Corporation, Detroit, Mich. Coating metal. 2,067,007; Jan. 5.
Daub, Rudolph, Paterson, N. J., assignor to Wright Aeronautical Corporation. Internal combustion engine structure. 2,066,394; Jan. 5.
Dautrick, Owen L., Detroit, Mich. Door construction. 2,066,558; Jan. 5.
Davis, Harold F., assignor to Kingsbury Manufacturing Company, Keene, N. H. Brake for toy vehicles. 2,066,826; Jan. 5.
Davis, Robert L., Grand Rapids, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network for tower lights. 2,066,928; Jan. 5.
Dawson, John W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding apparatus. 2,066,929; Jan. 5.
Day, Ray E., Seattle, Wash. Piston. 2,066,613; Jan. 5.
De Berard, Louis A., Glencoe, and G. T. Martin, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. System of recording. 2,066,672; Jan. 5.
De Boer, Jan H., and M. C. Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America. Photoelectric tube and making it. 2,066,878; Jan. 5.
Decker, Alden J., Du Bois, Pa. Solid fuel briquet and making the same. 2,066,457; Jan. 5.
Deichsel, Stanislaus, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Stabilized terpene-oxide preparations. 2,066,717; Jan. 5.
Delattre-Seguy, Jean, assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,066,697; Jan. 5.
Deppe, William P. (See Musso, Alfred, assignor.)
Désagnat, Gaston, Paris, France. Making tile structures. 2,066,964; Jan. 5.
Detachable Bit Corporation of America, The. (See Rea, Walter C., assignor.)
Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Bonath, K., and Albrecht, assignors.)
Deutsche Hydrierwerke Aktiengesellschaft. (See Schrauth, Walther, assignor.)
Devices, Inc. (See Hetherington, Robert, assignor.)
De Witt, Carl S., Long Beach, Calif. Liquid dispensing device. 2,066,827; Jan. 5.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Fish lure. 2,066,458; Jan. 5.
Dexdale Hosiery Mills. (See Porter, H. W., and Bashore, assignors.)
Dials, Crayton J., San Quentin, Calif. Lock. 2,066,393; Jan. 5.
Diamond Expansion Bolt Company. (See Smith, Lloyd A., assignor.)
Dicke, Oscar H., Rochester, N. Y. Vernier motor. 2,066,965; Jan. 5.
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,067,151; Jan. 5.
Di Cristina, Humbert W., Decatur, Ga. Portable, foldable, and extendible wardrobe. 2,066,828; Jan. 5.
Dieterle, Walter, and W. Zeh, Dessau in Anhalt, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of light sensitive materials. 2,066,966; Jan. 5.
Dieterle, Walter, and W. Zeh, Dessau-in-Anhalt, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Dyes of the cyanine series. 2,066,967; Jan. 5.
Dieterle, Walter, W. Zeh, Dessau in Anhalt, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of light-sensitive materials. 2,066,968; Jan. 5.
Dietz, Louis F., Englewood, N. J. Enclosure bulkhead. 2,066,718; Jan. 5.
Dillehay, Edward R., Glenn Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio. Making asphaltic storage battery cases. 2,066,459; Jan. 5.
Dillström, Torbjörn V., Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England. Device for conveying high-volatile fuel. 2,066,673; Jan. 5.

Dinzl, Richard W., Narberth, Pa., assignor to Baldwin-Southwark Corporation. Torsion impact testing apparatus. 2,067,140; Jan. 5.
Ditto, Incorporated. (See Marchev, Alfred, assignor.)
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Electrical connecter. 2,066,770; Jan. 5.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Indirect lighting fixture. 2,066,771; Jan. 5.
Doherty, William H., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective system and method. 2,066,522; Jan. 5.
Döhle, Hinrich, Haselhorst, assignor to Telephon-Apparat Fabrik E. Zwietnach and Company, Berlin, Germany. Relay circuit. 2,066,614; Jan. 5.
Donaldson, Robert H. (See Gill, E. W. B., and Donaldson.)
Doyle, William H., White Plains, N. Y. Tooth brush. 2,066,772; Jan. 5.
Dreyfus, Camille, New York, N. Y. Artificial materials. 2,066,339; Jan. 5.
Dreyfus, Camille, New York, N. Y. Yarns and filaments and making the same. 2,066,340; Jan. 5.
Driver, John M., San Francisco, Calif. Manufacture of bags. 2,066,719; Jan. 5.
Druckmaschinen Aktiengesellschaft. (See Stüssi, Rudolf, assignor.)
Duemler, Virgil E. (See Smith, J., and Duemler.)
Dunmore, Francis W., and L. L. Hughes, Washington, D. C., assignors to the Government of the United States, represented by the Secretary of Commerce. Multistage ultra high radio frequency amplifier. 2,066,674; Jan. 5.
Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,066,675; Jan. 5.
Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., Collins, and Kirby, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lasier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Patterson, Gordon D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodbury, C. A., and Lawson, assignors.)
Durametallic Corporation. (See Wiessner, Christopher E., assignor.)
Durdin, Augustus C., Jr., Niles Center, assignor to Chicago Pump Company, Chicago, Ill. Sewage treatment apparatus. 2,067,161; Jan. 5.
Duthoit, William H., Winnipeg, Manitoba, Canada. Preheater and firing mixture gasifier. 2,066,720; Jan. 5.
Dyksterhuis, Popko R., Eindhoven, Netherlands, assignor to Radio Corporation of America. Tone control. 2,066,676; Jan. 5.
Dynamit-Actien-Gesellschaft, vormals Alfred Nobel & Co. (See Schmidt, Fritz, assignor.)
Eames, William F. (See Bouton, E. M., and Eames.)
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator. 2,066,930; Jan. 5.
Eastburg, Clifford L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing axle construction. 2,066,879; Jan. 5.
Eastman Kodak Company. (See Fuerst, Carl C., assignor.)
Eastman Kodak Company. (See Jones, John G., assignor.)
Eastman Kodak Company. (See Lane, G. T., and Butterfield, assignors.)
Eastman Kodak Company. (See Minsk, L. M., Kenyon, and Gray, assignors.)
Eastman Kodak Company. (See Nadeau, Gale F., assignor.)
Eastman Kodak Company. (See Sheppard, S. E., and Vanselow, assignors.)
Eastwood-Nealley Corporation. (See Specht, Harry G., assignor.)
Eaton, John F., assignor to Jarecki Manufacturing Company, Tulsa, Okla. Belt tightening means. 2,066,721; Jan. 5.
Eckert, Wilhelm, and E. Fischer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nuclear substituted acenaphthalic acids and 1.4.5.8-naphthalenetetracarboxylic acids and preparing them. 2,067,138; Jan. 5.
Edwardes, John, assignor to Heveatex Corporation, Melrose, Mass. Destruction of color-generating substance in rubber latex. 2,066,559; Jan. 5.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,066,722; Jan. 5.
Edwards, William C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lamp switch. 2,067,077; Jan. 5.
Edwards, William F. M., assignor to Filter Tips Limited, London, England. Apparatus for making cigarettes. 2,066,460; Jan. 5.
Eggleston, Smith, and D. F. Holbert, St. Paul, Minn., assignors to Standard Conveyor Company. Conveyer chain. 2,066,723; Jan. 5.
Ehrke, Louis F., Newark, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Shockproof X-ray apparatus. 2,067,139; Jan. 5.
Eichstädt, Karl, Berlin-Charlottenburg, Germany, assignor to Oxford Varnish Corporation, Detroit, Mich. Decorating composition materials. 2,066,341; Jan. 5.
Einstein, Sol, Cincinnati, Ohio, assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machinery. 2,066,677; Jan. 5.
Elasfeldt, Werner, Berlin-Zehlendorf, Germany. Recording device. 2,066,880; Jan. 5.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake drum. 2,066,395; Jan. 5.
Electric Storage Battery Company, The. (See Beetem, Frank G., assignor.)
Electric Storage Battery Company, The. (See Kershaw, William E., assignor.)
Electric Storage Battery Company, The. (See Smith, E. W., and Hall, assignors.)
Electric Storage Battery Company, The. (See West, Alan A., assignor.)
Electric Storage Battery Company, The. (See West, George H. B., assignor.)
Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Toxic agent and its application to fibrous products. 2,067,046; Jan. 5.
Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Insect and fungi toxic fibrous material. 2,067,047; Jan. 5.
Ellner, Arthur S., New York, N. Y. Mailer. 2,067,119; Jan. 5.
Else, Harry D., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bearing. 2,066,931; Jan. 5.
Engs, William, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Separating and recovering hydrocarbons and alkyl esters from mixtures thereof. 2,066,461; Jan. 5.
Equitable Paper Bag Co. (See Poppe, George W., assignor.)
Erhardt, Stanley. (See Robertson, Alfred J., assignor.)
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Applicator for applying wax, varnish, polish, and the like. 2,066,829; Jan. 5.
Erwin, Ted, et al. (See Sonman, Carl, assignor.)
Evans, Leigh R., assignor to Hardinge Bros. Inc., Elmira, N. Y. Variable speed drive mechanism. 2,066,560; Jan. 5.
Evans, Robert D., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa. Directional ground relay. 2,066,932; Jan. 5.
Everett, Charles E., assignor to The Massey-Harris Company, Racine, Wis. Hammer mill. 2,066,615; Jan. 5.
Ewart, William M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Valve structure. 2,066,523; Jan. 5.
Faber, Herbert A., Cincinnati, Ohio. Soil and vent piping. 2,067,078; Jan. 5.
Fahlberg-List Aktiengesellschaft Chemische Fabriken. (See Memminger, Karl, assignor.)
Fairbanks, Morse & Company. (See Reis, Curt F., assignor.)
Falconbridge Nickel Mines Limited. (See Grönningsaeter, Anton M., assignor.)
Farnham, Frank E., Providence, R. I. Safety catch for pins and making the same. 2,066,969; Jan. 5.
Farrel-Birmingham Company. (See Gregory, D. J., and Schnuck, assignors.)
Feldtkeller, Richard. (See Jacobi, W., and Feldtkeller.)
Felice, George, Detroit, Mich. Drain and flushing apparatus. 2,066,773; Jan. 5.
Fenton, Benn F., Kansas City, Mo. Ladder jack. 2,066,462; Jan. 5.
Fenton, John A., North Andover, Mass. Device for preventing theft of gasoline from fuel tanks. 2,066,830; Jan. 5.
Fergueson, Arthur P., assignor to Lyon Cover Company, Detroit, Mich. Cover and wheel assembly. 2,066,678; Jan. 5.
Fergueson, Arthur P., assignor to Lyon Cover Company, Detroit, Mich. Wheel and valve stem assembly. 2,067,008; Jan. 5.
Filter Tips Limited. (See Edwards, William F. M., assignor.)
Finch, William G. H., New York, N. Y. Electrostatic telecommunication system. 2,066,463; Jan. 5.
Fischer, Ernst. (See Eckert, W., and Fischer.)
Fischer, Franz J., Dresden-Mickten, assignor to Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Current transformer. 2,066,396; Jan. 5.
Fischer, Fritz, Berlin-Charlottenburg, Germany, assignor to Opticolor Aktiengesellschaft, Glarus, Switzerland. Printing-apparatus for lenticulated films. 2,066,679; Jan. 5.
Fisher, Gerhard R., Palo Alto, Calif. Metalloscope. 2,066,561; Jan. 5.
Fisher, Harmon F., and B. G. Aldridge, assignors to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for dewaxing oil. 2,067,162; Jan. 5.
Fitzsimmons, John T., and J. L. Arthur, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Distributor lubrication. 2,067,079; Jan. 5.
Fogarty, John E., Auburn, Mass. Dispensing apparatus. 2,066,397; Jan. 5.
Food Machinery Corporation. (See Halt, James M., assignor.)

Forsyth, George H., Oak Park, Ill. Game. 2,066,724; Jan. 5.
Fossa, Joseph, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe upper lacing machine. 2,066,464; Jan. 5.
Foster, James W. (See Baynton, H. H., and Foster.)
Fowler, Theodore V., Pelham, assignor to General Chemical Company, New York, N. Y. Production of sulphur dioxide. 2,066,562; Jan. 5.
Fowler, Theodore V., Pelham, N. Y., and H. F. Merriam, West Orange, N. J., assignors to General Chemical Company, New York, N. Y. Production of sulphur dioxide. 2,066,774; Jan. 5.
Fradenburgh, John. (See Kellogg, W. D., and Fradenburgh.)
Franke, Robert. (See von Poser, G., and Franke.)
Frankel, Edward M., New York, N. Y. Method and apparatus for purifying wet steam. 2,067,080; Jan. 5.
Freyn Engineering Company. (See Bigelow, C. G., Callow, and Schofield, assignors.)
Frick, Chester A., Muncie, Ind. Paint spraying booth. 2,066,616; Jan. 5.
Friend, Otto A., New York, N. Y., assignor to American Telephone and Telegraph Company. Switch. 2,066,465; Jan. 5.
Fritsch, Rudolph E., assignor to Tube-Turns, Incorporated, Louisville, Ky. Pipe fitting. 2,066,775; Jan. 5.
Furbush, Frank L., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Comb adjusting mechanism for feeders. 2,066,831; Jan. 5.
Fuerst, Carl C., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Camera construction. 2,066,563; Jan. 5.
Fulton Company, The. (See Thorp, Joel R., assignor.)
Fulton Company, The. (See Thorp, J. R., and Lieber, assignors.)
Fyler, George W., Schenectady, N. Y., assignor to General Electric Company. Controlled carrier wave system for signaling. 2,066,970; Jan. 5.
G-M Laboratories, Inc. (See Christy, Andrew, assignor.)
Gair, Robert, Company. (See Weiss, Arthur J., assignor.)
Gale, William A. (See Ritchie, C. F., Gale, and Allen.)
Gammaitoni, James, assignor of one-third to J. Gammaitoni and one-third to N. Gammaitoni, Wilkes-Barre, Pa. Life buoy belt. 2,066,725; Jan. 5.
Gammaitoni, Joseph, et al. (See Gammaitoni, James, assignor.)
Gammaitoni, Noah, et al. (See Gammaitoni, James, assignor.)
Gard, Earle W., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Treating sludges. 2,066,933; Jan. 5.
Gasoline Products Company. (See Sullivan, Pike H., assignor.)
Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Gummed tape dispensing means. 2,066,617; Jan. 5.
Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Gummed tape dispensing means. 2,066,618; Jan. 5.
Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Selective-length tape dispenser. 2,066,619; Jan. 5.
Gay, Norman H., Los Angeles, Calif. Humidifying and temperature control apparatus for citrus fruit storages and like structures. 2,066,832; Jan. 5.
Gebr. Eickhoff Maschinenfabrik und Eisengiesserei. (See Grube, Heinrich, assignor.)
Gebrueder Eickhoff, Maschinenfabrik und Eisengiesserei. (See Cremer, Hans, assignor.)
Geddes, Norman B., New York, N. Y. Rotary port for aircraft. 2,066,776; Jan. 5.
Gehnrich, Charles L., Elmhurst, N. Y. Unit heater for hot gases. 2,066,524; Jan. 5.
Geiger, Walter J. (See Blake, H. D., and Geiger.)
General Aniline Works, Inc. (See Eckert, W., and Fischer, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., and Kochendoerfer, assignors.)
General Aniline Works, Inc. (See Lambers, W., and Bürr, assignors.)
General Aniline Works, Inc. (See Lambers, Wilhelm, assignor.)
General Aniline Works, Inc. (See Schnitzspahn, K., and Koch, assignors.)
General Aniline Works, Inc. (See Thiess, K., and Maennchen, assignors.)
General Aniline Works, Inc. (See Weinand, Klaus, assignor.)
General Aniline Works, Inc. (See Zerweck, W., Steiger, Modersohn, and Schleifenbaum, assignors.)
General Chemical Company. (See Fowler, Theodore V., assignor.)
General Chemical Co. (See Fowler, T. V., and Merriam, assignors.)
General Chemical Company. (See Merriam, Henry F., assignor.)
General Chemical Company. (See Slisby, Charles F., assignor.)
General Controls Company. (See Ray, William A., assignor.)
General Electric Company. (See Blake, H. D., and Geiger, assignors.)
General Electric Company. (See Cain, Bernard M., assignor.)
General Electric Company. (See Cook, H. A., and Kummel, assignors.)
General Electric Company. (See Fyler, George W., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
General Electric Company. (See Morack, Marvin M., assignor.)
General Electric Company. (See Neufeld, Jakob, assignor.)
General Electric Company. (See Ruiz, Albert L., assignor.)
General Motors Corporation. (See Chase, Frederic L., assignor.)
General Motors Corporation. (See Chilton, Ralph H., assignor.)
General Motors Corporation. (See Edwards, William C., assignor.)
General Motors Corporation. (See Fitzsimmons, J. T., and Arthur, assignors.)
General Motors Corporation. (See Hartzell, Herman L., assignor.)
General Motors Corporation. (See Levy, I. M., and Kemp, assignors.)
General Printing Ink Corporation. (See Koppe, Alexander T., assignor.)
General Railway Signal Company. (See Brown, Ned C. L., assignor.)
General Railway Signal Company. (See Dicke, Oscar H., assignor.)
General Railway Signal Company. (See Powell, Winfred T., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
George, Myrtle B., Wilkes-Barre, Pa. Rhythmic inhaler. 2,067,120; Jan. 5.
Gerisch, Emil. (See Goldschmidt, S., Gerisch, Beuschel, and Müller.)
Gertler, Samuel E., assignor of one-half to H. I. Stein, New York, N. Y. Glow-lamp. 2,066,833; Jan. 5.
Gertler, Samuel E., assignor of one-half to H. I. Stein, N. Y. Glow-lamp. 2,066,834; Jan. 5.
Getts, Sidney A., assignor of one-fourth to W. B. Thayer, Rockford, Ill. Buckle. 2,066,398; Jan. 5.
Gieskieng, Marion W., Little Rock, Ark., and P. F. Gieskieng, Denver, Colo. Glare eliminating system. 2,066,680; Jan. 5.
Gieskieng, Paul F. (See Gieskieng, M. W. and P. F.)
Gilbert & Barker Manufacturing Company. (See Smith, J., and Duemler, assignors.)
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Conductor. 2,066,525; Jan. 5.
Gill, Ernest W. B., and R. H. Donaldson, Oxford, England, assignors to Radio Corporation of America. Thermionic amplifier. 2,067,048; Jan. 5.
Gillen, George A., Bronx, N. Y. Electromagnetic machine. 2,066,343; Jan. 5.
Givens, John W. (See Yabroff, D. L., and Givens.)
Gladstone, William D., New York, N. Y. Key carrier. 2,066,526; Jan. 5.
Globe Machinery & Supply Company. (See Thompson, Elmer B., assignor.)
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Globe Oil Tools Company. (See Howard, J. H., and Catland, assignors.)
Goldberg, Mark J., Beloit, Wis., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Internal combustion engine. 2,067,049; Jan. 5.
Goldschmidt, Stefan, E. Gerisch, and W. Beuschel, Karlsruhe, and A. Müller, assignors, by mesne assignments, to Thekla Müller, Berlin-Charlottenburg, Germany. Producing sheets from urea formaldehyde resins. 2,066,726; Jan. 5.
Goldsmith, William M., Cincinnati, Ohio. Fireproof building. 2,066,681; Jan. 5.
Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Modulation of oscillation. 2,067,081; Jan. 5.
Goldstine, Hallan E., Rocky Point, N. Y., assignor to Radio Corporation of America. Phase modulation. 2,067,082; Jan. 5.
Golley, Earl K. (See Burgess, W. S., and Golley.)
Gora, Henry, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Machine for bundling stacks of rings. 2,066,971; Jan. 5.
Gorton, Ralph W., Newport, Vt. Camping equipment. 2,066,342; Jan. 5.
Gothe, Albert. (See Böhm, O., Gothe, and Roosenstein.)
Gotwals, William L., Jr., Norristown, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Stoker. 2,067,152; Jan. 5.
Gouldbourn, Joseph, T. A. Kestell, and F. B. Keall, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. 2,066,344; Jan. 5.
Government of the United States. (See Appel, W. D., and Schiefer, assignors.)
Government of the United States. (See Dunmore, F. W., and Hughes, assignors.)
Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Dewaxing hydrocarbon oil. 2,067,050; Jan. 5.

Graents, Alfred, Philadelphia, Pa., assignor to Non-Run Fabric and Machine Co., Inc., New York, N. Y. Mechanism for knitting. 2,066,682; Jan. 5.
Graham, Frank L. A. (See Banks, Charles G., assignor.)
Grammer, Allen L., Meadowbrook, assignor to Curtis Publishing Company, Philadelphia, Pa. Book and making same. 2,066,620; Jan. 5.
Granberg, Albert J., Berkeley, Calif. Thermostatic compensating device for fluid meters. 2,066,972; Jan. 5.
Gray, Carlton W., and R. C. String, Westmont, N. J. Endorsing machine. 2,066,466; Jan. 5.
Gray, Emmet P., Detroit, Mich. Muffler. 2,066,467; Jan. 5.
Gray, Garold C. J., Hastings, Nebr., assignor to Western Land Roller Company. Feed grinder. 2,066,621; Jan. 5.
Gray, Harry Le B. (See Minsk, L. M., Kenyon, and Gray.)
Grèby, Jules E. M., Issy-Les-Moulineaux, France. Automatic temperature regulator. 2,066,345; Jan. 5.
Greene Manufacturing Company. (See Albert, Carl P., assignor.)
Gregory, Dimitry J., and C. F. Schnuck, New Haven, assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Bale cutting machine. 2,067,083; Jan. 5.
Greider, Harold W., Wyoming, and M. F. Smith, Cincinnati, Ohio, assignors to The Philip Carey Manufacturing Company. Match. 2,066,399; Jan. 5.
Greig, Walter, Niagara Falls, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Manifold record supply packet. 2,066,346; Jan. 5.
Grigas, Anthony, Worcester, Mass. Fender for automobiles. 2,066,468; Jan. 5.
Grisenti, Angelina. (See Grisenti, Joseph, assignor.)
Grisenti, Joseph, assignor to A. Grisenti, San Francisco, Calif. Gear shifting apparatus. 2,066,527; Jan. 5
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Defecator. 2,066,881; Jan. 5.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Defecator. 2,066,882; Jan. 5.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Defecator with integral evacuator. 2,066,883; Jan. 5.
Grönningsaeter, Anton M., New York, N. Y., assignor to Falconbridge Nickel Mines Limited, Toronto, Ontario, Canada. Production of nickel by electrolytic deposition from nickel salt solutions. 2,066,347; Jan. 5.
Grout, Aaron H., Burlington, Vt. Antiskid device. 2,067,121; Jan. 5.
Grube, Heinrich, assignor to Gebr. Eickhoff Maschinenfabrik und Eisengiesserei, Bochum, Germany. Shaking conveyer. 2,067,122; Jan. 5.
Grubelic, Nicholas, Great Neck, N. Y. Portable fume remover. 2,066,683; Jan. 5.
Gulf Research & Development Company. (See Muskat, Irving E., assignor.)
Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,066,934; Jan. 5.
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Electrode for gaseous conduction devices. 2,067,141; Jan. 5.
Haas, Ellsworth R., assignor to F. S. Riley, Kansas City, Mo. Punchboard. 2,066,469; Jan. 5.
Halt, James M., San Marino, Calif., assignor to Food Machinery Corporation. Turbine pump head. 2,067,123; Jan. 5.
Hale, Elizabeth A., New York, N. Y. Bed pan. 2,066,400; Jan. 5.
Hall, Clarence A. (See Smith, E. W., and Hall.)
Hall, Joyce C., Kansas City, Mo. Rack. 2,067,051; Jan. 5.
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Lighting unit. 2,066,973; Jan. 5.
Hamilton, Alexander K. (See Schreck, H. L., and Hamilton.)
Hanlen, Clifford F., Phoenix, Ariz. Page-form tie-up. 2,066,885; Jan. 5.
Hanagirg, Fritz, Radentbein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Casting of magnesium. 2,066,564; Jan. 5.
Harbridge, Chester C., assignor to Pin Lock Corpooration, Detroit, Mich. Lock nut. 2,066,684; Jan. 5.
Hardinge Bros. Inc. (See Evans, Leight R., assignor.)
Hardwick, Hindle, Inc. (See Hastings, Donald F., assignor.)
Harlas, Jiří, Prague, Czechoslovakia. Mechanisms for the calculation of functions with several variables. 2,066,884; Jan. 5.
Harnett, Daniel E., Tuckahoe, N. Y., assignor to Haseltine Corporation. Coupling system. 2,066,777; Jan. 5.
Harper, Augustus E., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous control of oscillators. 2,066,528; Jan. 5.
Hartford-Empire Company. (See Howard, George E., assignor.)
Hartmann & Braun Aktiengesellschaft. (See Blamberg, Ernst, assignor.)
Hartmann, Otto, assignor to Schmidt'sche Heissdampf-Gesellschaft, m. b. H., Kassel-Wilhelmshohe, Germany. Boiler. 2,066,401; Jan. 5.
Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)
Hartzell, Herman L., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Control apparatus for engine starters. 2,067,084; Jan. 5.
Harwood, Paisley B. (See Seeger, E. W., and Harwood.)
Hasche, Rudolph L., Whitefish Bay, assignor to A. O. Smith Corporation, Milwaukee, Wis. Making formaldehyde. 2,066,622; Jan. 5.
Hastings, Donald F., Radburn, Fair Lawn, assignor to Hardwick, Hindle, Inc., Newark, N. J. Rheostat. 2,066,835; Jan. 5.
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Bread rack. 2,066,623; Jan. 5.
Haug, John S., H. G. Tersian, and J. A. Perry, Swarthmore, assignors to The United Gas Improvement Company, Philadelphia, Pa. Carbureted water gas process. 2,067,062; Jan. 5.
Hawke, Clarence E., Metuchen, N. J., assignor, be mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Retort and retort setting. 2,067,085; Jan. 5.
Hawley, Jesse B. (See Sporre, Gustave A., assignor.)
Hays, Joseph W., Tulsa, Okla. Water treater and heater. 2,066,348; Jan. 5.
Hazel-Atlas Glass Company. (See Noll, J. J., and Williams, assignors.)
Hazeltine Corporation. (See Harnett, Daniel E., assignor.)
Heald Machine Company, The. (See Einstein, Sol, assignor.)
Hechenbleikner, Ingenuin, and F. J. Bartholomew, assignors to Chemical Construction Corporation, Charlotte, N. C. Recovering sulphuric acid from separated sludge acid. 2,066,685; Jan. 5.
Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Mercury vapor rectifier. 2,067,053; Jan. 5.
Heintzmann, Egmont. (See Toussaint, H., and Heintzmann.)
Hellweg, Julius F., U. S. Navy, and P. Sollenberger, Washington, D. C. Apparatus for broadcasting time signals. 2,066,349; Jan. 5.
Hem, Halvor W., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,066,624; Jan. 5.
Henn, Ralph F., Geneva, Ohio. Implement attachment. 2,066,886; Jan. 5.
Henriksen, Alfred. (See Lincoln, B. H., and Henriksen.)
Henriksen, Ellen M., Administratrix. (See Lincoln, B. H., and Henriksen.)
Herbsman, Abraham M., Huntington Park, assignor to Industrial Patents, Ltd., Los Angeles, Calif. Settling inorganic mineral slimes. 2,066,778; Jan. 5.
Hercules Powder Company. (See Bent, Leavitt N., assignor.)
Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
Herz, Alexander. (See Conti, Eugene, assignor.)
Hesselman Motor Corporation. (See Dillström, Torbjörn V., assignor.)
Hetherington, Robert, Sharon Hill, Pa., assignor to Devices, Inc. Dishwashing device. 2,066,529; Jan. 5.
Heveatex Corporation. (See Edwardes, John, assignor.)
Heymer, Gerd, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic printing. 2,066,727; Jan. 5.
Heymer, Gerd, Wolfen Kreis, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Printing sound record. 2,066,728; Jan. 5.
Heywood-Wakefield Company. (See Preble, Clarence E., assignor.)
Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Control linkage for vehicles. 2,066,350; Jan. 5.
Hickman Pneumatic Seat Co. (See Hickman, Albert F., assignor.)
Himmel, Adolf, Tubingen, assigno rto Himmelwerk A.-G., Tubingen Wurttemberg, Germany. Hauling drum. 2,066,779; Jan. 5.
Himmelwerk A.-G. (See Himmel, Adolf, assignor.)
Hinderliter, Frank J., Tulsa, Okla. Tubing and sucker rod fishing socket. 2,067,009; Jan. 5.
Hindle, Thomas, and S. Lord, Blackburn, England. Paper maker's drier felt. 2,066,974; Jan. 5.
Hinkle, Daniel W., Pittsburgh, Pa. Electrical system. 2,066,402; Jan. 5.
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hobb, Coleman D., Middlesboro, Ky. Wheel for motor driven vehicles. 2,066,729; Jan. 5.
Hodnette, John K., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Surge and outageproof distribution transformer. 2,066,936; Jan. 5.
Hoffman, Allan C., Englewood, N. J., assignor to Hoffman Brakes, Inc., New York, N. Y. Brake lining device. 2,067,086; Jan. 5.
Hoffman Brakes, Inc. (See Hoffman, Allan C., assignor.)
Hoffman, Charles D., Fair Oakes, assignor of twenty-four per cent to A. W. Pettibon, and twenty-four and a half per cent to M. H. Barnett, Rochester, Pa. Bottle holder. 2,067,124; Jan. 5.

Hoffman, Roscoe C., Detroit, Mich. Motor vehicle. 2,066,530; Jan. 5.
Holbert, Dudley F. (See Eggleston, S., and Holbert.)
Holden, David R., Peoria, Ill. Driving attachment. 2,067,010; Jan. 5.
Holden, Dean H. (See Tashjian, A. H., and Holden, assignors.)
Holden, Penn M., Pontiac, Mich. Sprinkler. 2,066,531; Jan. 5.
Holdren, George F., Philipsburg, Pa. Cuff of trousers. 2,066,975; Jan. 5.
Holmberg, Carl H., Brooklyn, N. Y. Card holder. 2,066,887; Jan. 5.
Holmes, Dan C., Ville D'Avray, France. Valve-actuating push-piece. 2,066,976; Jan. 5.
Holt, Daniel S., assignor to Armstrong Cork Company, Lancaster, Pa. Apparatus for and method of coating fabrics. 2,066,780; Jan. 5.
Hopewell Brothers. (See Wolfard, Merl R., assignor.)
Hosking, George T., Somerville, Mass. Combination lock with electrical switch control. 2,067,125; Jan. 5.
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Houde Engineering Corporation. (See Smith, Frederick A., assignor.)
Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of delivering molten glass. 2,067,142; Jan. 5.
Howard, John H., Huntington Park, and A. C. Catland, Alhambra, said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif. Core drill. 2,066,625; Jan. 5.
Hudspeth, George T., Dallas, Tex. Carbon transfer ribbon. 2,066,687; Jan. 5.
Hughes, John R., Boston, Mass. Road and railway vehicle. 2,066,836; Jan. 5.
Hughes, Leo L. (See Dunmore, F. W., and Hughes.)
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and producing. 2,067,054; Jan. 5.
Hunt, C. Howard, Pen Company. (See Bartol, George E., Jr., assignor.)
Hygrade Sylvania Corporation. (See Zabel, Rolland M., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Heymer, Gerd, assignor.)
Iler, Lawrence E., Dayton, Ohio. Liquid dispenser. 2,066,977; Jan. 5.
Illinois Powder Manufacturing Company. (See Lux, William F., assignor.)
Indian Refining Company. (See Govers, Francis X., assignor.)
Indiana Steel Products Company. (See Curry, Robert A., assignor.)
Industrial Patents Corporation. (See Rueckert, Dean E., assignor.)
Industrial Patents, Ltd. (See Herbsman, Abraham M., assignor.)
Industrial Process Corporation. (See Minor, Henry R., assignor.)
Ingalls, Willis A., Syracuse, N. Y. Jack presser for knitting machines. 2,066,470; Jan. 5.
Ingersoll-Rand Company. (See Miller, Frank, assignor.)
Ingraham, E., Company, The. (See Carlson, Elof L., assignor.)
Insulite Company, The. (See Barrett, William, assignor.)
Insulite Company, The. (See Ellis, George H., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Campbell, Charles, assignor.)
International Business Machines Corporation. (See Kölm, Ulrich, assignor.)
International Business Machines Corporation. (See Lake, C. D., and Pfaff.)
International Business Machines Corporation. (See Lemmon, Walter S., assignor.)
International Business Machines Corp. (See Lemmon, W. S., and Noll, assignors.)
International Business Machines Corporation. (See Tauschek, Gustav, assignor.)
International Business Machines Corporation. (See Tripp, Charles A., assignor.)
International Nickel Company, The. (See Merica, P. D., Vanick, and Wickenden, assignors.)
International Nickel Company, The. (See Wise, E. M., and Vines, assignors.)
International Television Radio Corporation. (See Centeno V., Melchor, assignor.)
Isaacson, Fred A., Chicago, Ill., and W. E. Wine, assignors to Wine Railway Appliance Company, Toledo, Ohio. Railway car. 2,066,626; Jan. 5.
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Method and apparatus for shearing. 2,066,505; Jan. 5.
Jackson, Thomas. (See Winter, A. S., and Jackson.)
Jacobi, Werner, Berlin-Spandau, and R. Feldtkeller, Berlin-Siemensstadt, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Device for avoiding nonlinear distortion. 2,067,055; Jan. 5.
Jahraus, Harold A., Richmond, assignor of one-half to S. S. Miller, Indianapolis, Ind. Device for cementing optical lenses. 2,066,936; Jan. 5.
James, Henry D., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elevator signal and control system. 2,066,937; Jan. 5.
Janes, Charles B., Toronto, Ontario, Canada. Safety razor. 2,066,837; Jan. 5.
Janetschke, Erwin, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Uniform speed system. 2,066,938; Jan. 5.
Jansson, Einar H., Arnotfors, and J. O. Nauclér, Stockholm, Sweden. Winding and cutting paper into sizes. 2,066,566; Jan. 5.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Effecting vapor treatment of yarn in a yarn fabricating machine. 2,066,761; Jan. 5.
Jarecki Manufacturing Company. (See Eaton, John F., assignor.)
Jenkins Bros. (See Gora, Henry, assignor.)
Jensch, Heinrich, Frankfort-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. 3-nitro- and 3-amino-derivatives of 4.6- diaminoquinolines. 2,066,730; Jan. 5.
Jepsen, Percy, assignor to Pacific Machinery Company, San Francisco, Calif. Peach pitter. 2,066,567; Jan. 5.
Johnson, Alfred, Uniontown, Pa., and R. H. Johnson, Morgantown, W. Va. Striping or banding machine. 2,066,351; Jan. 5.
Johnson, George T., and H. W. Stertsbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Draft yoke for railway cars. 2,066,471; Jan. 5.
Johnson, Robert H. (See Johnson, A., and R. H.)
Johnson, Ross H., Indianapolis, Ind. Releasable ignition key case. 2,066,472; Jan. 5.
Jones, John G., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Expansible film hub. 2,066,568; Jan. 5.
Jones, Richard W. (See Williams, H. W., Carney, and Jones.)
Jonsson, Johan A., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electromagnetic stamping apparatus. 2,066,403; Jan. 5.
Jorgensen, Enoch B., Los Angeles, Calif., assignor to Viber Company, Limited. Conduit for flexible shafts. 2,066,473; Jan. 5.
Kahlisch, Gustav, assignor to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cross-wound warp beam. 2,066,888; Jan. 5.
Kalle & Co. Aktiengesellschaft. (See Von Poser, G., and Franke, assignors.)
Kalteux, James P. (See Noyes, W. V., and Kalteux.)
Kammerer, Fred W. (See Canales, John, assignor.)
Kapella Limited. (See Taylor, William, assignor.)
Karagheusian, A. & M., Inc. (See Baynton, H. H., and Foster, assignors.)
Kasantzeff, Florentin, Berlin, Germany. Brake valve device. 2,066,404; Jan. 5.
Kay, Murray, New York, N. Y. Nonrefillable closure for containers. 2,066,889; Jan. 5.
Kay, Webster B., assignor to Standard Oil Company, Chicago, Ill. Solvent fractionation. 2,066,686; Jan. 5.
Keall, Frank B. (See Gouldbourn, J., Kestell, and Keall.)
Keaney, Francis A., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lacing shoe uppers. 2,066,474; Jan. 5.
Keilholtz, Lester S., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Air conditioning apparatus. 2,066,688; Jan. 5.
Keilholtz, Lester S., and L. A. Volberding, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Air conditioning apparatus. 2,066,689; Jan. 5.
Keller, Felix, Frankfort-on-the-Main, Germany. Filter for radio sets. 2,066,690; Jan. 5.
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Vehicle ventilating window. 2,067,087; Jan. 5.
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Vehicle ventilating window. 2,067,088; Jan. 5.
Kellogg, William D., and J. Fradenburgh, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Loom. 2,066,532; Jan. 5.
Kemp, Barrett. (See Levy, I. M., and Kemp.)
Kenyon, William O. (See Minsk, L. M., Kenyon, and Gray.)
Kershaw, William E., Gwynedd Valley, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Separator and spacer for storage battery plates. 2,066,939; Jan. 5.
Kestell, Thomas A. (See Gouldbourn, J., Kestell, and Keall.)
Kidde, Walter, & Company. (See Mapes, Daniel, assignor.)
Kimball, Donald E., assignor to The Safety Equipment Company, Cleveland, Ohio. Eye protective device. 2,066,838; Jan. 5.
King, George E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,067,153; Jan. 5.
King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Applying varnish or lacquer to sheets. 2,066,782; Jan. 5.
Kingsbury Manufacturing Company. (See Davis, Harold F., assignor.)

Kinkead, Robert E., Cleveland, Ohio. Welding strips end to end. 2,066,569; Jan. 5.
Kirby, James E. (See Carothers, W. H., Collins, and Kirby.)
Kirchner, Henry P., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Yieldably mounted abrasive elements. 2,067,089; Jan. 5.
Kit-Ap Corporation, The. (See Yost, William T., assignor.)
Kitson Company. (See Lovekin, L. D., and Werring, assignors.)
Kitts, Albert J. E. (See Rowntree, F., and Kitts.)
Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Vehicle. 2,066,352; Jan. 5.
Knaur, Christian M., Williamsport, Pa. Carton for radio tubes. 2,067,126; Jan. 5.
Knight, Charles K., Upper Darby, Pa. Heater and wiper for windshields. 2,067,011; Jan. 5.
Knott, Harry H., assignor to American Pearl Button Company, Washington, Iowa. Button shaping machine. 2,066,839; Jan. 5.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Coil mounting. 2,066,405; Jan. 5.
Koca, James F., assignor to R. W. Sears, II, Woodstock, Ill. Lamp. 2,066,981; Jan. 5.
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Carriage return. 2,066,978; Jan. 5.
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Tabulator mechanism. 2,066,979; Jan. 5.
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typesetting mechanism for typewriters. 2,066,980; Jan. 5.
Koch, Lydia B., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Spinner head. 2,066,840; Jan. 5.
Koch & Sterzel Aktiengesellschaft. (See Fischer, Franz J., assignor.)
Koch, Wilhelm. (See Schnitzspahn, K., and Koch.)
Koch, Winfield R., Camden, N. J., assignor to Westinghouse Electric & Manufacturing Company. Radio receiving system. 2,066,940; Jan. 5.
Kochendoerfer, Gerd. (See Kunz, M. A., and Kochendoerfer.)
Koehler Manufacturing Company. (See Wheat, Grant, assignor.)
Kölm, Ulrich, Berlin, Germany, assignor to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,066,783; Jan. 5.
Koppe, Alexander T., Hasbrouck Heights, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Photocomposing machine. 2,066,890; Jan. 5.
Koppers Company. (See Kuehn, Paul M., assignor.)
Koppers Company. (See Mason, John A., assignor.)
Koppers Company. (See Van Ackeren, Paul, assignor.)
Kosmer, Benjamin, Chicago, Ill. Apparatus for treating footballs, basketballs, or like inflatable balls. 2,067,154; Jan. 5.
Kraft-Phenix Cheese Corporation. (See Wright, Allen A., assignor.)
Kramig, Robert E. and R. E., Jr., Wyoming, Ohio. Protective sheathing or covering for pipes and applying same. 2,066,475; Jan. 5.
Kramig, Robert E., Jr. (See Kramig, R. E. and R. E., Jr.)
Kronquist, David F., assignor of one-half to R. S. Bradley, Seekonk, Mass. Rear vision mirror. 2,066,982; Jan. 5.
Kropp, Walter, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Neutral water-soluble complex compounds. 2,066,731; Jan. 5.
Krotz, Alvaro S., Rockton, Ill., assignor to Young Radiator Company, Racine, Wis. Car heater. 2,066,627; Jan. 5.
Kuebler, Walter A. (See Larson, C. S., and Kuebler.)
Kuehn, Paul M., Baltimore, Md., assignor, by mesne assignments, to Koppers Company. Waterless gasholder. 2,066,353; Jan. 5.
Kummel, Louis F. (See Cook, H. A., and Kummel.)
Kuns, Gottlieb, Villars-sur-Ollon, Switzerland. Film clip. 2,066,732; Jan. 5.
Kunz, Max A., Mannheim, and G. Kochendoerfer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the azabensanthrone series and making the same. 2,067,127; Jan. 5.
Kwarta, Michael J., assignor of one-half to G. M. Trankla, Gary, Ind. Piston ring. 2,066,983; Jan. 5.
Lacy, Herman E., Chicago, Ill. Self-heating utensil. 2,066,476; Jan. 5.
La-Del Conveyor & Mfg. Co. (See Bebinger, Charles N., assignor.)
Lake, Clair D., Binghamton, and W. Pfaff, Union Center, assignors to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,066,784; Jan. 5.
Lamb, Clyde K., Cleveland, Ohio. Scaffold. 2,066,984; Jan. 5.
Lambert, Wilhelm, and K. Bürr, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azodyestuffs. 2,066,985; Jan. 5.
Lambert, Wilhelm, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Water-insoluble azodrestuffs. 2,066,986; Jan. 5.
Landis, Herbert L., San Leandro, Calif. Transfer machine. 2,066,987; Jan. 5.
Lane, Gerould T., and W. Butterfield, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Paper making machine. 2,066,570; Jan. 5.
Larson, Clas S., and W. A. Kuebler, assignors to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for enameling articles. 2,066,628; Jan. 5.
Larson, Edward S., and H. A. Wahlstrand, assignors to Teletype Corporation, Chicago, Ill. Tape coil winder. 2,066,891; Jan. 5.
Larsson, Thure, assignor to Norton Company, Worcester, Mass. Pulpstone. 2,066,629; Jan. 5.
La Rue, William D. (See Carpenter, G. W., and La Rue.)
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Tabulating machine. 2,066,406; Jan. 5.
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Tabulating machine. 2,066,407; Jan. 5.
Lautermilch, Louis W., Cleveland, Ohio. Self-computing leveling rod. 2,066,785; Jan. 5.
Lavino E. J., and Company. (See Sell, Gilbert E., assignor.)
Lawrence, John H., New York, assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Oil still. 2,067,056; Jan. 5.
Lawson, Edward D., Park Ridge, Ill. Automatic safety switch for vehicles. 2,67,057; Jan. 5.
Lawson, Walter E. (See Woodbury, C. A., and Lawson.)
Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation process for producing hydroxy acids and lactones. 2,066,533; Jan. 5.
Leader, Hubert S., and H. P. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Seat structure. 2,066,630; Jan. 5.
Lee, Carl J., Fresno, Calif. Door for poultry trap nests. 2,066,733; Jan. 5.
Lee, H. D., Mercantile Co., The. (See Staples, Leonard W., assignor.)
Lee, Louis R., Rohrerstown, assignor to Armstrong Cork Company, Lancaster, Pa. Making cork insulation. 2,066,988; Jan. 5.
Lederer, Irving R., Providence, R. I. Ornamental tie holder. 2,067,038; Jan. 5.
Le Gorre, Jean L., assignor to Pennsylvania Globe Company, Philadelphia, Pa. Street lighting fixture of the indirect type. 2,066,631; Jan. 5.
Leland Electric Company, The. (See Leland, George H., assignor.)
Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Centrifugal device. 2,066,989; Jan. 5.
Lemmon, Walter S., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Power operated receiver or recorder. 2,066,786; Jan. 5.
Lemmon, Walter S., and A. R. Noll, assignors to International Business Machines Corp., New York, N. Y. System of operation of translating mechanisms. 2,066,787; Jan. 5.
Lempco Products, Inc. (See Blazek, J. Y., and Anderson, assignors.)
Leone, Pietro, assignor to "Arenella" Societa Italiana per l'Industria dell'Acido Citrico ed Affini, Palermo, Italy. Manufacture of citric acid. 2,066,892; Jan. 5.
Levin, Murray A., New York, N. Y. Progressive stencil device. 2,066,477; Jan. 5.
Levy, Irving M., and B. Kemp, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Motor 2,067,155; Jan. 5.
Lewin, Adolph M., Jr., Cincinnati, Ohio. Display rack. 2,066,478; Jan. 5.
Lewis, Mabie W. (See Muse, John B., assignor.)
Lewy, Daniel, assignor of one-half to E. P. Butusov, Chicago, Ill. Elevator signaling system. 2,066,841; Jan. 5.
Libbey-Owens-Ford Glass Company. (See Walters, Emmett L., assignor.)
Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)
Lieber, William H. (See Thorp, J. R., and Lieber.)
Likes, Jasper, Long Beach, Calif. Novelty. 2,067,090; Jan. 5.
Likes, Jasper, Long Beach, Calif. Figure toy. 2,067,091; Jan. 5.
Limbach, Alex, Carmel, N. Y. Holder for cosmetics or the like. 2,066,534; Jan. 5.
Lincoln, Bert H., and A. Henriksen, deceased, Ponca City, by Ellen M. Henriksen, administratrix, Perry, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oil. 2,066,354; Jan. 5.
Linderoth, Lambert S., Jr. (See Remington, F., and Linderoth.)
Lindvall, Sten E. (See Bilde, T. E. D., and Lindvall.)

Linen Thread Co., The. (See Clark, Ephraim C. S., assignor.)
Linsowe, John V., Flint, Mich. Trailer hitch and brake. 2,066,803; Jan. 5.
Lodeesen, Herman J., assignor, by mesne assignments, to The Patents Corporation, Detroit, Mich. Coating magnesium. 2,066,842; Jan. 5.
Loetscher, Emil C., Dubuque, Iowa. Decorative building material and making the same. 2,066,734; Jan. 5.
Loetscher, Emil C., Dubuque, Iowa. Composite building material. 2,067,012; Jan. 5.
Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,067,143; Jan. 5.
Lolmann, Anton, Chemnitz, Germany. Hosiery knitting machine. 2,066,843; Jan. 5.
Lombardi Knitting Machine Co. (See Lombardi, Vincent, assignor.)
Lombardi, Vincent, Garden City, assignor to Lombardi Knitting Machine Co., New York, N. Y. Knitted fabric. 2,066,408; Jan. 5.
Lord, Sam. (See Hindle, T., and Lord.)
Loring, Edgar E., and J. Passafuma, Houston, Tex. Perforator. 2,066,409; Jan. 5.
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery terminal. 2,066,691; Jan. 5.
Loss, Frederick, assignor to The Parsons Marine Steam Turbine Company Limited, Wallsend-on-Tyne, England. Elastic-fluid turbine. 2,066,410; Jan. 5.
Lovekin, Luther D., Villa Nova, and F. W. Werring, assignors to Kitson Company, Philadelphia, Pa. Temperature responsive emergency circuit breaker for electric fluid heaters. 2,066,632; Jan. 5.
Lubri-Zol Development Corporation, The. (See Lincoln, B. H., and Henriksen, assignors.)
Lucas, Francis F., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Finger-print detection. 2,066,535; Jan. 5.
Luhn, Hans P., New York, N. Y. Method and apparatus for determining thread thickness. 2,066,411; Jan. 5.
Lundström, Erik W. I., Stockholm, Sweden. Ladder. 2,066,990; Jan. 5.
Luttbeg, Max B., St. Louis, Mo. Shift key mechanism for accordions. 2,066,633; Jan. 5.
Lutz, Alfred, Bredereiche (Uckermark), Germany. Manufacturing paper tubes and pipes and the like. 2,066,991; Jan. 5.
Lux, Heinz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Double grid electron tube and circuit. 2,067,156; Jan. 5.
Lux, William F., assignor to Illinois Powder Manufacturing Company, St. Louis, Mo. Explosive container. 2,066,634; Jan. 5.
Lux, William F., assignor to Illinois Powder Manufacturing Company, St. Louis, Mo. Explosive container. 2,066,635; Jan. 5.
Luzerene Rubber Company, The. (See Case, Harry E., assignor.)
Lynch, Harold E., assignor to The Ottawa River Paper Company, Toledo, Ohio. Display stand structure. 2,066,844; Jan. 5.
Lyon Cover Company. (See Fergueson, Arthur P., assignor.)
Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)
Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Turbine. 2,066,788; Jan. 5.
Mac Isaac, Vernon W., Montreal, Quebec, Canada. Fluid straining method and apparatus. 2,066,479; Jan. 5.
MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Producing the disodium salt of imidodicarboxylic acid. 2,067,013; Jan. 5.
Macotta Unit Corporation, The. (See Maul, Peter J., assignor.)
Madden, William J., Lansdowne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Fresh Air intake for railway cars. 2,067,144; Jan. 5.
Maennchen, Fritz. (See Thiess, K., and Maennchen.)
Magazine Repeating Razor Company. (See Rodrigues, Octavius V., assignor.)
Malben, Charles H., Logansport, Ind. Marking machine. 2,067,092; Jan. 5.
Manaster, Ben B., Chicago, Ill. Collar stay. 2,066,636; Jan. 5.
Manley, Robert E., Beacon, assignor to The Texas Company, New York, N. Y. Dewaxing mineral oils. 2,067,128; Jan. 5.
Mapes, Daniel, Upper Montclair, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Dispensing device. 2,067,065; Jan. 5.
Marchev, Alfred, La Grange, Ill., assignor to Ditto, Incorporated. Spindle and holding same. 2,066,637; Jan. 5.
Marden, John W., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Cathode for discharge devices. 2,067,129; Jan. 5.
Marien, Charles A., St. Louis, Mo. Holder for paper match folders. 2,066,638; Jan. 5.
Markwood, Louis N., Washington, D. C., dedicated to the free use of the public. Insecticide and making the same. 2,066,941; Jan. 5.
Marshall, Edward C. (See Adams, G. E., and Marshall.)
Martin, George T. (See de Berard, L. A., and Martin.)
Masi, William M., Milwaukee, Wis. Measuring device. 2,066,789; Jan. 5.
Masland, Charles H., 2nd, Carlisle, Pa. Noncurl corner construction for floor coverings and producing same. 2,066,639; Jan. 5.
Mason, John A., Baltimore, Md., assignor, by mesne assignments, to Koppers Company. Waterless gasholder. 2,066,355; Jan. 5.
Massa, Ernest A., Jr., Haddon Heights, assignor of fifty-five per cent to F. Massa, West Collingswood, N. J. Electrical measuring instrument. 2,066,942; Jan. 5.
Massa, Frank. (See Massa, Ernest A., Jr., assignor.)
Massey Concrete Products Corporation. (See Alexander, Earl C., assignor.)
Massey-Harris Company, The. (See Everett, Charles E., assignor.)
Mathieson Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)
Matson, James C., Birmingham, Ala. Holder for pencils and the like. 2,066,992; Jan. 5.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 2,066,790; Jan. 5.
Maul, Michael, Berlin, Johannisthal, Germany. Perforated record controlled machine. 2,067,157; Jan. 5.
Maul, Peter J., assignor to The Macotta Unit Corporation, Detroit, Mich. Building unit. 2,067,059; Jan. 5.
May, Edward M., Birmingham, Mich., assignor, by mesne assignments, of one-half to Borg-Warner Corporation. Valve. 2,066,692; Jan. 5.
McAdams, Harry, assignor to Nolde and Horst Company, Reading, Pa. Knitting machine. 2,066,845; Jan. 5.
McArthur, Donald A. (See Wean, R. J., and McArthur.)
McBain, William, High Heaton, assignor of one-half to Swan, Hunter & Wigham Richardson Limited, Walker, Newcastle-upon-Tyne, England. Welding apparatus. 2,066,791; Jan. 5.
McCombs, Arnold R., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Molding apparatus. 2,066,993; Jan. 5.
McCrosson, John T., Port-Au-Prince, Haiti. Vacuumizing, gasifying, and siruping containers. 2,066,356; Jan. 5.
McDonald, George R., Oakland, Calif. Manual or automatic means for correcting time-keeping mechanisms. 2,066,357; Jan. 5.
McGary, Francis L., Hardinsburg, Ky. Strap seal. 2,067,093; Jan. 5.
McIlvaine, Oran T., assignor to McIlvaine Patent Corporation, St. Charles, Ill. Relay. 2,066,894; Jan. 5.
McIlvaine Patent Corporation. (See McIlvaine, Oran T., assignor.)
McKerrall, John, New Orleans, La. Oil heater. 2,066,480; Jan. 5.
McLeod, Neil R., Upper Montclair, N. J. Collapsible tube container. 2,066,792; Jan. 5.
McNeil, William M., Warren, Ohio, assignor to United States Gypsum Company, Chicago, Ill. Apparatus for molding plastic materials. 2,066,846; Jan. 5.
McPherson, John S. (See Wolfe, H. H., and McPherson.)
McShea, Royal, Medicine Lodge, Kans. Hair drier. 2,066,847; Jan. 5.
Mead, Larkin J., assignor to Aurora Corset Company, Aurora, Ill. Corset lacing construction. 2,066,536; Jan. 5.
Mechanical Development Co. (See Sabins, Rolland C., assignor.)
Meckler, Samuel, St. Paul, Minn. Antiskid and traction device. 2,066,412; Jan. 5.
Mecher, Alfred A., and A. G. H. Vanderpoel, assignors of one-fourth to J. O'Laverty and one-fourth to D. E. Seward, Los Angeles, Calif. Circuit breaker for spark distributors. 2,066,640; Jan. 5.
Mellor, Ralph V., and W. W. Remer, Spokane, Wash. Fender attachment. 2,066,641; Jan. 5.
Memminger, Karl, assignor to Fahlberg-List Aktiengesellschaft Chemische Fabriken, Magdeburg-Sudost, Germany. Water-soluble seed disinfectant. 2,066,895; Jan. 5.
Merica, Paul D., New York, N. Y., J. S. Vanick, Elizabeth, and T. H. Wickenden, Roselle, N. J., assignors to The Industrial Nickel Company, Inc., New York, N. Y. Chill cast iron alloy roll. 2,066,848; Jan. 5.
Merriam, Henry F. (See Fowler, T. V., and Merriam.)
Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Reduction of sulphur dioxide. 2,066,896; Jan. 5.
Mesto Machine Company. (See Iversen, Lorenz, assignor.)
Mesurac, Frank, Woodhaven, N. Y. Filter. 2,066,793; Jan. 5.
Metropolitan Engineering Company. (See Lawrence, John H., assignor.)
Miles, Harry, Ramona, Calif. Display device. 2,067,094; Jan. 5.
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller, Ernest M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,066,413; Jan. 5.
Miller, Frank, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill stem. 2,066,794; Jan. 5.
Miller, Sidney S. (See Jahraus, Harold A., assignor.)

Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Wrapping machine. 2,066,414; Jan. 5.
Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Web regulating mechanism. 2,066,415; Jan. 5.
Minor, Henry R., Oak Park, Ill., assignor, by mesne assignments, to Industrial Process Corporation, Saratoga Springs, N. Y. Treating pigments. 2,067,060; Jan. 5.
Minneapolis-Honeywell Regulator Company. (See Miller, Ernest M., assignor.)
Minsk, Louis M., W. O. Kenyon, and H. L. Gray, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Fibrous esterification of cellulose employing homogenizers. 2,066,571; Jan. 5.
Model Specialty Sales Company. (See Bowen, Joel, assignor.)
Modersohn, August. (See Zerwerk, W., Steiger, Modersohn, and Schleifenbaum.)
Moffatt, Chester C., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Heat treatment of composite bearings. 2,067,061; Jan. 5.
Mohawk Carpet Mills, Inc. (See Kellogg, W. D., and Fradenburgh, assignors.)
Mohawk Carpet Mills, Inc. (See Shuttleworth, Howard L., assignor.)
Montgomery, Stanley W., Akron, Ohio, assignor to Standard Safety Equipment Co., Chicago, Ill. Bridge for eyeglasses. 2,066,735; Jan. 5.
Moore, Edward C., Flushing, N. Y. Medicinal compound. 2,066,572; Jan. 5.
Moore, Frank W., Lennon, Mich. Antijumper for sliding doors. 2,066,994; Jan. 5.
Moore, Wallace F., assignor to The American Hardware Corporation, New Britain, Conn. Door check. 2,066,795; Jan. 5.
Morack, Marvin M., Schenectady, N. Y., assignor to General Electric Company. Parallel inverter system. 2,066,995; Jan. 5.
Morioka, Isao, Meguro-ku, Tokyo, Japan. Manufacturing statutes similar to objects. 2,066,996; Jan. 5.
Morrell, Jacque C., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,066,693; Jan. 5.
Morris, Jephthah M., Baguio, assignor to Benguet Consolidated Mining Co. S. A., Manila, P. I. Cyanidation and flotation of ores. 2,067,014; Jan. 5.
Morrow Screw and Nut Company Limited. (See Pearson, Charles, assignor.)
Morse, Marie J., South River, N. J. Combined napkin and destructible folding basket. 2,066,849; Jan. 5.
Motor Products Corporation. (See Kellogg, Homer G., assignor.)
Motzer, Carl, et al. (See Sonman, Carl, assignor.)
Moyer, Amos F., assignor to Toro Manufacturing Company, Minneapolis, Minn. Power gang lawn mower. 2,067,158; Jan. 5.
Mueller, Ottilie, Wausau, Wis. Tamping implement. 2,066,997; Jan. 5.
Müller, Thekla. (See Goldschmidt, S., Gerisch, Beuschel, and Müller.)
Muller, Otto R., St. Albans, N. Y., assignor to Trenton Brass & Machine Company, Trenton, N. J. Flush valve. 2,066,796; Jan. 5.
Müller, Thekla. (See Goldschmidt, St., Gerisch, Beuschel, and Müller, assignors.)
Munters, Carl G., assignor to Aktiebolaget Termisk Isolation, Stockholm, Sweden. Insulation. 2,067,015; Jan. 5.
Murphy, Joseph E., Minneapolis, Minn. Tractor sweep rake. 2,066,537; Jan. 5.
Murray Corporation of America, The. (See Westrope, Fred J., assignor.)
Muse, John B., assignor of fifty per cent to M. W. Lewis, Southern Pines, N. C. Portable rotary adjustable seesaw. 2,066,736; Jan. 5.
Muskat, Irving E., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Making pyrethrin insecticide. 2,066,737; Jan. 5.
Musso, Alfred, East Orange, assignor of one-half to W. P. Deppe, New York, N. Y. Gas pressure maintaining device. 2,066,358; Jan. 5.
Nachman Spring-Filled Corporation. (See Simmons, Charles R., assignor.)
Nadeau, Gale F., Rochester, N. Y., assignor to Eastman Kodak Company, Jersey City, N. J. Manufacture of photographic film. 2,066,850; Jan. 5.
Nägele, Karl F., Berlin-Neukölln, Germany. Fixing device for sliding clasp fasteners. 2,066,359; Jan. 5.
Nash, Henry F., East Cleveland, and J. Zimarik, Akron, Ohio, assignors, by mesne assignments, to The Prosperity Company Inc., Syracuse, N. Y. Washing and rinsing apparatus. 2,066,998; Jan. 5.
Nashua Gummed and Coated Paper Company. (See Gautier, Trevor R., assignor.)
Nast, Paul H., Claremont, N. H., assignor to Sullivan Machinery Company. Forging machine. 2,066,360; Jan. 5.
National Aniline and Chemical Company. (See Riegler, Riewen, assignor.)
National Postal Meter Company. (See Ryan, Commodore D., assignor.)
Nauclér, Johan O. (See Janson, E. H., and Nauclér.)
Neidich Process Company, The. (See Neidich, Samuel A., assignor.)
Neidich, Samuel A., assignor to The Neidich Process Company, Burlington, N. J. Ink ribbon and making the same. 2,066,416; Jan. 5.
Nelms, Homer L., Albany, N. Y. Fish-boning device. 2,066,417; Jan. 5.
Nelson, Albert, Chicago, Ill., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Brake shoe. 2,067,159; Jan. 5.
Neufeld, Jakob, Berlin, Germany, assignor to General Electric Company. Testing of gear hobs and the like. 2,066,999; Jan. 5.
Neveu, Anselme, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,066,573; Jan. 5.
Neville Company, The. (See Carmody, William H., assignor.)
New Idea Spreader Company, The. (See Synck, Henry, assignor.)
Nicolas, Paul. (See Becq, A., and Nicolas.)
Nolde and Horst Company. (See McAdams, Harry, assignor.)
Noll, Austin R. (See Lemmon, W. S., and Noll.)
Noll, John J., and J. J. Williams, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Metal closure. 2,066,481; Jan. 5.
Nomar, Louis N., Charleston, W. Va. Combined magazine and extension stock for automatic pistols. 2,066,361; Jan. 5.
Non-Run Fabric and Machine Co. (See Graenz, Alfred, assignor.)
Nordmark, Henry P. (See Leader, H. S., and Nordmark.)
Norton Company. (See Larason, Thure, assignor.)
Noyes, Warner V., and J. P. Kalteux, Schenectady, N. Y. Tank cap holder. 2,066,851; Jan. 5.
Oettinger, Henry, Jersey City, N. J. Insulated rail joint. 2,066,797; Jan. 5.
Ohio Brass Company, The. (See Brown, Harry F., assignor.)
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Okonite-Callender Cable Co., The. (See Bennett, Charles E., assignor.)
O'Laverty, James, et al. (See Melcher, A. A., and Vanderpoel, assignors.)
Olm, Oscar J., Minneapolis, Minn., assignors to Wilson-Jones Company, Chicago, Ill. Making a reenforced gusset. 2,066,897; Jan. 5.
O'Mara, Richard F., assignor to Raymond Bros. Impact Pulverizer Co., Chicago, Ill. Sludge disposal plant. 2,066,418; Jan. 5.
Opticolor Aktiengesellschaft. (See Fischer, Fritz, assignor.)
Orenda Corporation. (See Stevens, Josiah B., assignor.)
Osborne, Edmund, Mission, British Columbia, Canada. Dragline dredge. 2,067,000; Jan. 5.
Osborne, William B., Muncie, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,066,482; Jan. 5.
Oswald, John G., Woonsocket, R. I., assignor to Whitin Machine Works, Whitinsville, Mass. Drawing mechanism for substantially elongated filaments. 2,067,062; Jan. 5.
Ottawa River Paper Company, The. (See Lynch, Harold E., assignor.)
Owens-Illinois Glass Company. (See Toulouse, Julian H., assignor.)
Oxford Varnish Corporation. (See Eichstädt, Karl, assignor.)
Pabst, Richard, Wurzburg, Germany. Heating plant. 2,067,063; Jan. 5.
Pacific Machinery Company. (See Jepson, Percy, assignor.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Edwards, Herbert C., assignor.)
Packer, Herbert M., Philadelphia, Pa. Thermometer holder. 2,067,016; Jan. 5.
Padavic, Anton T., Jr., Quincy, Ill. Safety license tag fastener. 2,066,694; Jan. 5.
Page, Howard L., Chicago, Ill., assignor to Radium Dial Company, Pittsburgh, Pa. Method and apparatus for applying designs and the article produced thereby. 2,066,642; Jan. 5.
Palfreeman, Thomas I., Memphis, Tenn. Photographic booth and camera arrangement. 2,066,898; Jan. 5.
Palmieri, Armando, assignor of one-half to P. A. Stephany, Erie, Pa. Machine for removing moisture from absorbent pads. 2,067,001; Jan. 5.
Paper Novelty Manufacturing Co. (See Pretzfelder, Millard, assignor.)
Parker, George R. (See Bauer, H. C., and Parker.)
Parks, Walter J., Buffalo, N. Y. Screening apparatus and the like. 2,066,362; Jan. 5.
Parsons, Edward T., Upper Montclair, assignor to Thomson Machine Company, Belleville, N. J. Dough-piece controlled flour dusting mechanism. 2,066,899; Jan. 6.
Parsons Marine Steam Turbine Company Limited, The. (See Loss, Frederick, assignor.)
Passafuma, Joseph. (See Loring, E. E., and Passafuma.)
Patents Corporation, The. (See Darsey, Van M., assignor.)

Patents Corporation, The. (See Lodeesen, Herman J., assignor.)
Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous compositions. 2,066,363; Jan. 5.
Pearson, Charles, assignor to Morrow Screw and Nut Company Limited, Ingersoll, Ontario, Canada. Bicycle tire bead wires and their manufacture. 2,066,483; Jan. 5.
Pease, William C., The Dalles, Oreg. Shoe rack. 2,067,095; Jan. 5.
Peerless Tube Company. (See Remington, F., and Linderoth, assignors.)
Pennsylvania Globe Company. (See Le Gorre, Jean L., assignor.)
Pennsylvania Railroad Company, The. (See Madden, William J., assignor.)
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Joint. 2,066,695; Jan. 5.
Perry, Joseph A. (See Haug, J. S., Terzian, and Perry.)
Pettibon, Arthur W., et al. (See Hoffman, Charles D., assignor.)
Pfaff, Wesley. (See Lake, C. D., and Pfaff.)
Pfistershammer, Josef, Zurich, Switzerland. Tubular post. 2,066,419; Jan. 5.
Phelps, Leroy G., Hamden, Conn. Synchronizing sound reproducing record with display device. 2,066,538; Jan. 5.
Phillips, Henry F., Portland, Oreg., assignor to Phillips Screw Company, Wilmington, Del. Screw. 2,066,484; Jan. 5.
Phillips Screw Company. (See Phillips, Henry F., assignor.)
Philpott, La Verne R., Washington, D. C., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,066,943; Jan. 5.
Philly, Fernand, Lyon, France. Electric drive for the picking devices for looms. 2,067,096; Jan. 5.
Phinney-Walker Co. Inc. (See Berti, Joseph, assignor.)
Pickard, Glenn H., Wilmette, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nonsagging brushing lacquer. 2,066,643; Jan. 5.
Pickett, Francis N., Westminster, London, England. Rubber molding. 2,066,798; Jan. 5.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pilorz, Bruno P., and B. J. Butler, Honolulu, Hawaii, assignors to California Packing Corporation, San Francisco, Calif. Preparing food concentrates. 2,066,574; Jan. 5.
Pin Lock Corporation. (See Harbridge, Chester C., assignor.)
Pioneer Instrument Company. (See Berry, William S., assignor.)
Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Welding device. 2,067,064; Jan. 5.
Plummer, Benjamin G., Long Beach, Calif. Swivel chain link. 2,066,852; Jan. 5.
Pollak, Alfred, Woodmere, N. Y. Manufacture of concentrated products. 2,067,002; Jan. 5.
Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Machine for making bellows bags. 2,067,017; Jan. 5.
Porter, Harold W., Lansdale, and J. W. Bashore, Colmar, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Stop mechanism for knitting machines. 2,067,146; Jan. 5.
Posthumus, Klaas, and B. van der Pol, Eindhoven, Netherlands, assignors to Radio Corporation of America. Antenna. 2,066,900; Jan. 5.
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,067,145; Jan. 5.
Powers, Frank B. (See Willby, N. H., Powers, and Shamberger.)
Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Liquid fuel burner and hearth. 2,067,097; Jan. 5.
Preble, Clarence E., Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Ratchet recliner seat-back mechanism. 2,066,901; Jan. 5.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,067,147; Jan. 5.
Pretzfelder, Millard, St. Albans, assignor to Paper Novelty Manufacturing Co., New York, N. Y. Christmas tree ornament. 2,067,018; Jan. 5.
Price, Harold M., et al. (See Skeen, Chester W., assignor.)
Proctor & Schwartz, Incorporated. (See Bogaty, Hermann S., assignor.)
Proksch, Ferdinand. (See Tilles, Gustav, assignor.)
Prosperity Company Inc., The. (See Nash, H. F., and Zimarik, assignors.)
Public, Free Use of The. (See Markwood, Louis N.)
Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match packet and making it. 2,067,148; Jan. 5.
Pullenlite Company. (See Pullen, Rodney S., assignor.)
Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Tuning unit. 2,066,944; Jan. 5.
Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Tuning unit. 2,066,945; Jan. 5.
Quackenboss, Frederick W., Kansas City, Mo. Packing carton. 2,066,485; Jan. 5.
Radio Corporatio nof America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Carpenter, G. W., and La Rue, assignors.)
Radio Corporation of America. (See de Boer, J. H., and Teves, assignors.)
Radio Corporation of America. (See Dyksterhuis, Popko R., assignor.)
Radio Corporation of America. (See Gill, E. W. B., and Donaldson, assignors.)
Radio Corporation of America. (See Goldstine, Hallan E., assignor.)
Radio Corporation of America. (See Posthumus, K., and van der Pol, assignors.)
Radio Corporation of America. (See Reinartz, John L., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Rose, George M., Jr., assignor.)
Radio Corporation of America. (See White, Sidney Y., assignor.)
Radioaktiengesellschaft D. S. Loewe. (See von Ardenne, Manfred, assignor.)
Radium Dial Company. (See Page, Howard L., assignor.)
Rafton Engineering Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Lawrence, Mass., assignor to Rafton Engineering Corporation. Screening device. 2,066,364; Jan. 5.
Raizen, Nat S., Bronx, N. Y. Toy. 2,066,644; Jan. 5.
Ralph, Charles C., Portland, Oreg. Time delay relay. 2,066,575; Jan. 5.
Rarey, George H. (See Brett, S. E., and Rarey.)
Ray, William A., San Francisco, Calif., assignor to General Controls Company. Thermostat. 2,066,738; Jan. 5.
Raymond Bros. Impact Pulverizer Co. (See O'Mara, Richard F., assignor.)
Rea, Walter C., New York, N. Y., assignor to The Detachable Bit Corporation of America, Bridgeville, Pa. Heat treatment of cast drill bits. 2,066,853; Jan. 5.
Reconstruction Finance Corporation. (See Rozema, C. E., and Tigelaar, assignors.)
Reconstruction Finance Corporation. (See Taylor, William H., assignor.)
Redington, F. B., Co. (See Milmoe, Michael J., assignor.)
Reece Button Hole Machine Company, The. (See Putnam, John P., assignor.)
Reich, Morris, Columbus, Ohio. Knicker turn-up spreader. 2,066,854; Jan. 5.
Reid, William M. (See Collins, R. D., Reid, and Bourne.)
Reiman, Clarence K., Newton, Mass. Deodorizing and sterilizing bandage. 2,066,946; Jan. 5.
Reinartz, John L., Manchester, Conn., assignor to Radio Corporation of America. Producing oscillations. 2,066,902; Jan. 5.
Reinforced Paper Bottle Corporation. (See Koch, Lydia B., assignor.)
Reis, Curt F., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Mounting structure for magnetos. 2,066,696; Jan. 5.
Remer, Wayne W. (See Mellor, R. V., and Remer.)
Remington, Frederic, Elizabeth, and L. S. Linderoth, Jr., assignors to Peerless Tube Company, Bloomfield, N. J. Collapsible tube. 2,066,947; Jan. 5.
Remington Rand Inc. (See Lasker, William W., assignor.)
Rensink, George C., Denver, Colo. Air cleaner and silencer. 2,067,160; Jan. 5.
Reynolds, William B., Richmond, Ind. Hoop ball. 2,066,799; Jan. 5.
Reyss, Lester J., Cedar Rapids, Iowa. Cleaning device. 2,066,420; Jan. 5.
Rial, Lawrence C., Battle Creek, Mich. Combination finder for locks. 2,066,645; Jan. 5.
Richardson Company, The. (See Dillehay, Edward R., assignor.)
Richmond Screw Anchor Co. (See Schenk, Tamis C., assignor.)
Richter, Ewald, Senftenberg, Niederlausitz, Germany. Shock absorber. 2,066,576; Jan. 5.
Riegler, Riewen, Buffalo, assignor to National Aniline and Chemical Company, New York, N. Y. Phthalic anhydride recovery. 2,067,019; Jan. 5.
Riley, Franklin S. (See Haas, Ellsworth R., assignor.)
Ripper, Kurt, Berlin-Lichterfelde, Germany. Laminated sheet. 2,066,421; Jan. 5.
Ripsch, Charles W., assignor to The Buckeye Portable Tool Company, Dayton, Ohio. Electric motor. 2,066,739; Jan. 5.
Ripsch, Charles W., assignor to The Buckeye Portable Tool Company, Dayton, Ohio. Electric motor. 2,066,740; Jan. 5.
Ripsch, Charles W., assignor to The Buckeye Portable Tool Company, Dayton, Ohio. Power operated portable tool. 2,066,741; Jan. 5.
Ritchie, Charles F., W. A. Gale, and W. H. Allen, assignors to American Potash & Chemical Corporation, Trona, Calif. Cooling apparatus. 2,066,577; Jan. 5.
Ritter, Julius, Jr., assignor to Hartmann Trunk Company, Racine, Wis. Hanger bracket. 2,066,646; Jan. 5.
Robbins Conveying Belt Company. (See Andrada, Morris J., assignor.)

Röber, Konstantin, F., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Apparatus for applying wrappers to fillers. 2,066,486; Jan. 5.
Roberts, Dudley, assignor to Rubatex Products, Inc., New York, N. Y. Expanded rubber. 2,067,020; Jan. 5.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Converting electrical energy into acoustical energy. 2,067,021; Jan. 5.
Robertson, Alfred J., Vancouver, British Columbia, Canada, assignor to Stanley Erhardt, doing business as the Whitman Saddle Manufacturing Co. Saddle girth. 2,066,855; Jan. 5.
Rodman, Clarence J., assignor to The Steel Sanitary Company, Alliance, Ohio. Enameled joint and manufacture. 2,066,647; Jan. 5.
Rodrigues, Octavius V., Passaic, N. J., assignor to Magazine Repeating Razor Company, New York, N. Y. Shaving head for razors. 2,066,800; Jan. 5.
Roessner, William L., Chicago, Ill. Fire extinguisher. 2,066,648; Jan. 5.
Rogers, Sumner B., London, England. Electrical signaling system. 2,067,098; Jan. 5.
Roosenstein, Hans O. (See Böhm, O., Gothe, and Roosenstein.)
Rosado, José Sierra, San Juan, P. R. Liquid dispenser and cooler. 2,066,948; Jan. 5.
Rose, George M., Jr., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Stem for electron discharge devices. 2,066,856; Jan. 5.
Rosene, Victor E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuit. 2,066,539; Jan. 5.
Rottmund, Fred G., assignor to Armstrong Cork Company, Lancaster, Pa. Block printing machine. 2,066,801; Jan. 5.
Rowntree, Francis, Monkseaton, and A. J. E. Kitts, Sunderland, assignors of one-third to Swan, Hunter, & Wigham Richardson Limited, Newcastle-upon-Tyne, England. Piston. 2,066,802; Jan. 5.
Rozema, Charles E., Grand Rapids, and J. H. Tigelaar, Jamestown, Mich., assignors, by mesne assignments, to Reconstruction Finance Corporation. Resinous adhesive and making the same. 2,066,857; Jan. 5.
Rubatex Products, Inc. (See Roberts, Dudley, assignor.)
Ruben, Samuel, New Rochelle, N. Y. Electrolytic condenser. 2,066,912; Jan. 5.
Rueckert, Dean R., assignor to Industrial Patents Corporation, Chicago, Ill. Carton. 2,067,022; Jan. 5.
Ruiz, Albert L., Schenectady, N. Y., assignor to General Electric Company. Craft navigating apparatus. 2,066,949; Jan. 5.
Rutledge, Robert, Toronto, Ontario, Canada. Apparatus for freshening air in dwelling rooms or other chambers. 2,066,540; Jan. 5.
Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Side delivery rake. 2,067,130; Jan. 5.
Ryan, Commodore D., assignor to National Postal Meter Company, Los Angeles, Calif. Printing-machine. 2,066,422; Jan. 5.
Sabing, Roliand C., assignor to Mechanical Development Co., St. Paul, Minn. Flexible airplane wing construction. 2,066,649; Jan. 5.
Saco-Lowell Shops. (See Banfield, Frederic E., Jr., assignor.)
Safety Equipment Company, The. (See Kimball, Donald E., assignor.)
Saks, Ira. (See Skelton, Charles E., assignor.)
Salmang, Hermann, and B. Wents, Aachen, Germany. Tridymite stone. 2,066,365; Jan. 5.
Salmang, Hermann, and B. Wents, Aachen, Germany. Making silica stone material. 2,066,366; Jan. 5.
Samuels, David, et al. (See Sonman, Carl, assignor.)
Sannita, James, East Chicago, Ind. Tiltable window ventilator. 2,066,858; Jan. 5.
Santucci, Nicholas, Niles Center, Ill. Pipe testing plug. 2,066,650; Jan. 5.
Sargent's, C. G., Sons Corporation. (See Furbush, Frank L., assignor.)
Sawyer, Frederick E. S., Belmont, Mass. Weeder. 2,066,803; Jan. 5.
Schaefer, Frederic, Pittsburgh, Pa. Wearing shoe. 2,066,578; Jan. 5.
Schenk, Tamis C., New York, assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y. Clamp threaded connection. 2,066,541; Jan. 5.
Schichtel, Georg, Dobriach-on-Millstattersee, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Production of refined magnesium and magnesium alloys. 2,066,579; Jan. 5.
Schiefer, Herbert F. (See Appel, W. D., and Schiefer.)
Schiler, Fritz, Amberg, Germany. Portable phonograph. 2,066,859; Jan. 5.
Schilling, Albert C., Avon, Mont. Discharging attachment for hay sweeps. 2,067,099; Jan. 5.
Schlafhorst, W., & Co. (See Kahlisch, Gustav, assignor.)
Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injector. 2,067,131; Jan. 5.
Schleicher, George R., New York, N. Y. Multiple propeller driving means. 2,067,023; Jan. 5.
Schleifenbaum, Werner. (See Zerweck, W., Steiger, Modersohn, and Schleifenbaum.)
Schlensker, Gottlieb, Inglefield, Ind. Disk-jointer attachment for plows. 2,066,487; Jan. 5.
Schmid, Frank S., and J. S. Bitner, Fort Wayne, Ind. Holder for flags and the like. 2,067,024; Jan. 5.
Schmidt, Clifton F., Jr., and G. L. Ball, Pittsburgh, Pa. Coated material. 2,067,066; Jan. 5.
Schmidt, Fritz, Troisdorf near Cologne-on-the-Rhine, assignor to Dynamit-Actien-Gesellschaft, vormals Alfred Nobel & Co., Troisdorf, near Cologne, Germany. Transforming polymerized vinyl chloride into thin sheets and product obtainable thereby. 2,067,025; Jan. 5.
Schmidt, Hans, Wuppertal/Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Antimony compounds of polyhydroxy carboxylic acids and making them. 2,066,742; Jan. 5.
Schmidt, Hans, Wuppertal-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Trivalent polymetallo aryl compounds and making them. 2,066,950; Jan. 5.
Schmidt'sche Heissdampf-Gesellschaft, m. b. H. (See Hartmann, Otto, assignor.)
Schmied, Joseph M., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Unwinding machine. 2,066,488; Jan. 5.
Schmieg, John D., Detroit, Mich. Apparatus for removing foreign material from air. 2,066,913; Jan. 5.
Schnitzspahn, Karl, and W. Koch, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Solid diazo salts. 2,067,132; Jan. 5.
Schnuck, Carl F. (See Gregory, D. J., and Schnuck.)
Schoenky, August R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 2,066,423; Jan. 5.
Schoenky, August R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 2,066,424; Jan. 5.
Schofield, Wilfred C. (See Bigelow, C. G., Callow, and Schofield.)
Schönhöfer, Fritz, Wuppertal-Elberfeld, and W. Bonrath, Leverkusen-I. G. Werk, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Alkoxyalkyl mercuric salts of polybasic acids. 2,066,367; Jan. 5.
Schönhöfer, Fritz, Wuppertal-Elberfeld, and W. Bonrath, Leverkusen-I. G. Werk, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Organic mercury silicate and preparing same. 2,067,100; Jan. 5.
Schrauth, Walther, Berlin-Dahlem, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Heteropolar compounds and producing the same. 2,066,542; Jan. 5.
Schreck, Hans L., Easton, Pa., and A. K. Hamilton, Chicago, Ill., assignors to Treadwell Engineering Company, Easton, Pa. Rolling mill. 2,066,743; Jan. 5.
Schumacher, Joseph, Peru, Ill., assignor to Carus Chemical Company. Hydroquinone manufacture. 2,066,951; Jan. 5.
Schwartz, A. Haskell, et al. (See Sonman, Carl, assignor.)
Schwartz, Nathan, New York, N. Y. Respirator. 2,067,026; Jan. 5.
Schweyer Electric & Manufacturing Co. (See Schweyer, Manufacturing Co., Easton, Pa. Automatic train control. 2,066,744; Jan. 5.
Schweyer Electric & Manufacturing Co. (See Schweyer, Daniel H., assignor.)
Scovill Manufacturing Company. (See Wolff, Jerome G., assignor.)
Seaman, Howard C., Jr. (See Cahoon, B. F., and Seaman.)
Sears, Richard W., II. (See Koca, James F., assignor.)
Seeger, Edwin W., and P. B. Harwood, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controller. 2,066,745; Jan. 5.
Sell, Gilbert E., Cynwyd, assignor to R. J. Lavino and Company, Philadelphia, Pa. Refractory bodies. 2,066,543; Jan. 5.
Servel, Inc. (See Thomas, Albert R., assignor.)
Severin, Frank W., Evanston, and T. H. Venn, Wilmette, assignors to Venn-Severin Machine Co., Chicago, Ill. Engine cylinder liner. 2,066,580; Jan. 5.
Severy, Victor H., Glendale, Calif. Tuning apparatus. 2,066,581; Jan. 5.
Seward, David E., et al. (See Melcher, A. A., and Vanderpoel, assignors.)
Shakespeare Company. (See Shakespeare, William, Jr., assignor.)
Shakespeare, William, Jr., assignor to Shakespeare Co., Kalamazoo, Mich. Fishing reel. 2,067,067; Jan. 5.
Shamberger, John P. (See Willby, N. H., Powers, and Shamberger.)
Shannon, S. O., Los Angeles, Calif. Piston oil pump. 2,066,489; Jan. 5.
Shaw, James T., Berkeley, Calif. Leg supporting device. 2,067,101; Jan. 5.
Shaw, Warren W., Los Angeles, Calif. Variable throat for fluid passages. 2,066,544; Jan. 5.
Sheatsley, Paul W., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Switch. 2,066,490; Jan. 5.
Sheatsley, Paul W., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Switch. 2,066,491; Jan. 5.
Shell Development Company. (See Engs, William, assignor.)
Shell Development Company. (See Taylor, Marion D., assignor.)

Shell Development Company. (See van Peski, Adrianus J., assignor.)
Shell Development Company. (See Yabroff, D. L., and Givens, assignors.)
Sheppard, Samuel E., and W. Vanselow, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Ultraviolet printing-out compounds. 2,066,582; Jan. 5.
Sherman, Ballston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Apparatus for burning liquid fuel. 2,066,651; Jan. 5.
Sherman, Ballston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 2,066,652; Jan. 5.
Shipley, Grant B., Pittsburgh, Pa. Preserving wood. 2,066,583; Jan. 5.
Shoe Form Co. (See De Witt, William J., assignor.)
Shumake, Alton, Huntington Park, Calif. Pump and injector nozzle for Diesel engines. 2,066,860; Jan. 5.
Shuttleworth, Howard L., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Rug making. 2,066,545; Jan. 5.
Sidwell, Chester C., Pico, Calif. Link support. 2,066,425; Jan. 5.
Siemens & Halske, Aktiengesellschaft. (See Jacobi, W., and Feldtkeller, assignors.)
Siemer, Nolan H., Bushton, Kans. Paper clip. 2,066,804; Jan. 5.
Silent Glow Oil Burner Corporation, The. (See Sherman, Ballston M., assignor.)
Silsby, Charles F., White Plains, assignor to General Chemical Company, New York, N. Y. Production of sulphur dioxide. 2,067,027; Jan. 5.
Simmons, Charles R., assignor to Nachman Spring-Filled Corporation, Chicago, Ill. Upholstery spring. 2,066,861; Jan. 5.
Simon, George W., Hollidays Cove, W. Va. Automobile motor warmer. 2,067,102; Jan. 5.
Simpkins, Robert B., Edgbaston, Birmingham, England. Means or device for investigating, correcting, and developing the power of human vision. 2,067,103; Jan. 5.
Simpson, Lancelot M., Thorner, assignor to Automatic Electric Company Limited, Liverpool, England. Electric totalizer. 2,066,698; Jan. 5.
Sindl, Otto, Berlin, Germany. Stabilization of cellulose esters. 2,066,584; Jan. 5.
Singer Manufacturing Company, The. (See Andres, William A., assignor.)
Skeen, Chester W., assignor of seventy percent to F. W. Chandler and five percent to H. M. Price, Mentone, Calif. Flexible gear drive. 2,066,805; Jan. 5.
Skelton, Charles E., Syracuse, N. Y., assignor to I. Saks, Cleveland, Ohio. Carrier for indicating gauges. 2,066,699; Jan. 5.
Sklinik, Eric R., Chicago, Ill. Composite fence structure. 2,066,426; Jan. 5.
Slough, Frank M., Cleveland, Ohio. Measuring mechanism. 2,066,700; Jan. 5.
Smith, A. O., Corporation. (See Archer, Robert S., assignor.)
Smith, A. O., Corporation. (See Hasche, Rudolph L., assignor.)
Smith, A. O., Corporation. (See Larson, C. S., and Kuebler, assignors.)
Smith, Bruce W. (See Smith, James W., assignor.)
Smith, Carlisle F., Elmira, assignor, by mesne assignments, to American-La France-Foamite Corporation, New York, N. Y. Foam fire extinguisher. 2,066,546; Jan. 5.
Smith, Edward W., and C. A. Hall, assignors to The Electric Storage Battery Company, Philadelphia, Pa. Setting newly pasted storage battery plates. 2,066,701; Jan. 5.
Smith, Ferris N., Grand Rapids, Mich. Humidifier. 2,066,653; Jan. 5.
Smith, Frederick A., North Chicago, Ill., assignor, by mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y. Automobile auxiliary windshield. 2,067,006; Jan. 5.
Smith, James W., assignor to B. W. Smith, Cleveland, Ohio. Window sash balance. 2,067,164; Jan. 5.
Smith, John, Southwick, and V. E. Duemler, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,066,806; Jan. 5.
Smith, Lloyd A., Portland, Oreg., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Star drill. 2,066,427; Jan. 5.
Smith, Marion F. (See Grelder, H. W., and Smith.)
Smith, Rufus P., Atlanta, Ga. Tobacco pipe. 2,066,746; Jan. 5.
Smith-Stange, Yngve, assignor to Argus Manufacturing Company, Chicago, Ill. Handcuff. 2,066,654; Jan. 5.
Snelling, Jesse E., Columbus, Ohio. Coffeepot. 2,066,807; Jan. 5.
Snyder, Howard C., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Automatic sheet measuring and sorting device. 2,066,702; Jan. 5.
Snyder, William H., Elkins Park, Pa. Antiskid device. 2,066,368; Jan. 5.
Societe Francaise Radio Electrique. (See Becq, A., and N., assignors.)
Society "Fusion-Moteurs". (See Bernard, Auguste L. R., assignor.)
Sollenberger, Paul. (See Hellweg, J. F., and Sollenberger.)
Sonman, Carl, assignor of twenty-three percent to C. Motzer, Brooklyn, and twenty-three percent to T. Erwin, twenty-three percent to D. Samuels, and eight percent to A. H. Schwartz, New York, N. Y. Method and apparatus for pointing fur skins, and the like, and resulting products. 2,067,163; Jan. 5.
Sowter, Percy F. C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production or treatment of artificial filaments or the like. 2,066,492; Jan. 5.
Sparklets, Limited. (See Campbell, Robert H., assignor.)
Specht, Harry G., Montclair, assignor to Eastwood-Nealley Corporation, Belleville, N. J. Woven wire belt for paper making machines. 2,066,369; Jan. 5.
Spell, Perry W., Roseboro, N. C. Stalk cutter. 2,067,104; Jan. 5.
Spengler, Julius J., Chicago, Ill. Refrigerating apparatus. 2,067,004; Jan. 5.
Spensley, William J., assignor to The Adams Company, Dubuque, Iowa. Foundry slip flask. 2,066,547; Jan. 5.
Sporre, Gustave A., St. Charles, assignor to J. B. Hawley, Geneva, Ill. Detachable sweat band. 2,066,493; Jan. 5.
Standard Conveyor Company. (See Eggleston, S., and Holbert, assignors.)
Standard Oil Company. (See Kay, Webster B., assignor.)
Standard Power Bed Company. (See Bridenbaugh, Elmer H., assignor.)
Standard Safety Equipment Co. (See Montgomery, Stanley W., assignor.)
Standard Stoker Company, The. (See Anderson, Howard P., assignor.)
Staples, Leonard W., assignor to The H. D. Lee Mercantile Co., Kansas City, Mo. Belt buckle or slide. 2,066,914; Jan. 5.
Steel Sanitary Company, The. (See Rodman, Clarence J., assignor.)
Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)
Steele, Edward, Walla Walla, Wash. Steam exhaust pipe arrangement for articulated locomotives. 2,066,370; Jan. 5.
Steiger, Norbert. (See Zerweck, W., Steiger, Modersohn, and Schleifenbaum.)
Stein, Alfred E., Saffle, Sweden. Desulphurizing artificial filaments of viscose. 2,066,371; Jan. 5.
Stein, Harry I. (See Gertler, Samuel E., assignor.)
Stephany, Paul A. (See Palmieri, Armando, assignor.)
Stephens, Thomas J., Brooklyn, N. Y. Atomization and delivery of highly viscous hydrocarbon fuels. 2,066,703; Jan. 5.
Stertzbach, Harry W. (See Johnson, G. T., and Stertzbach.)
Stevens, Earl M., Chicago, Ill. Drawer. 2,066,655; Jan. 5.
Stevens, Edward F., and F. A. Allen, Ada, Okla. Tank cleaning device. 2,067,105; Jan. 5.
Stevens, Josiah B., Aurora, Ill., assignor to Orenda Corporation, Chicago, Ill. Shingle. 2,066,657; Jan. 5.
Still, Carl, Recklinghausen, Germany. Production of coke and gas in chamber ovens. 2,066,704; Jan. 5.
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stowe-Woodward, Inc. (See Ward, Sherman B., assignor.)
Stowe-Woodward, Inc. (See Wilkie, R. J., assignor.)
Straus, Sylvan M., Gloversville, N. Y. Glove. 2,066,428; Jan. 5.
Straus, Sylvan M., Gloversville, N. Y. Ornamented article and making the same. 2,066,747; Jan. 5.
Street, Horace R., Cleveland, Ohio. Making valves. 2,066,658; Jan. 5.
String, Russell C. (See Gray, C. W., and String.)
Stromberg, John A., Des Plaines, Ill. Floor for ice skating rinks. 2,066,656; Jan. 5.
Stüssi, Rudolf, assignor to Druckmaschinen Aktiengesellschaft, Glarus, Switzerland. Apparatus for operating cylinder printing presses. 2,066,429; Jan. 5.
Sullivan Machinery Company. (See Nast, Paul H., assignor.)
Sullivan, Pike H., New Rochelle, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Converting hydrocarbon oil. 2,066,808; Jan. 5.
Sunnen, Joseph, Kirkwood, Mo. Spring tester. 2,066,585; Jan. 5.
Sunnen, Joseph, Kirkwood, Mo. Pinhole grinder. 2,066,586; Jan. 5.
Swan, Hunter & Wigham Richardson Limited. (See McBain, William, assignor.)
Swan, Hunter & Wigham Richardson Limited. (See Rowntree, F., and Kitts, assignors.)
Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,066,404; Jan. 5.
Swanson Evaporator Company. (See Caldwell, Harold B., assignor.)
Swanson, Hjalmar A., assignor to Cummins Perforator Company, Chicago, Ill. Inking mechanism. 2,066,863; Jan. 5.
Swift, George W., Jr., assignor to G. W. Swift, Jr., Inc., Bordentown, N. J. Egg tray. 2,066,587; Jan. 5.
Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)
Swift, Howard E., Westfield, Mass. Motor vehicle. 2,066,430; Jan. 5.

Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,066,495; Jan. 5.
Symington-Gould Corporation, The. (See Barrows, D. S., and Couch, assignors.)
Symington-Gould Corporation, The. (See Blattner, Emil H., assignor.)
Symington-Gould Corporation, The. (See Cameron, Joseph A., assignor.)
Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Distributor blade for manure spreaders. 2,066,862; Jan. 5.
Talaga, Stephen, Bay City, Mich. Lock for pipe couplings. 2,067,028; Jan. 5.
Tashjian, Armen H., and D. H. Holden, assignors, by mesne assignments, to D. H. Holden, Cleveland, Ohio. Electropneumatically operated window. 2,067,106; Jan. 5.
Tauschek, Gustav, assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism for tabulating machines. 2,066,748; Jan. 5.
Taylor, John L., Milwaukee, Wis. Calculator. 2,067,068; Jan. 5.
Taylor, Marion D., Berkeley, Calif., assignor to Shelf Development Company, San Francisco, Calif. Hydrogenation and dehydrogenation. 2,066,496; Jan. 5.
Taylor, William, assignor to Kapella Limited, Leicester, England. Method and apparatus for electrical etching. 2,066,588; Jan. 5.
Taylor, William H., Muskego, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Ice making apparatus. 2,066,431; Jan. 5.
Telefonaktiebolaget L. M. Ericsson. (See Jonsson, Johan A., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, O., Gothe, and Rosenstein, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Lux, Heinz, assignor.)
Telephon-Apparat Fabrik E. Swietusch and Company. (See Döhle, Hinrich, assignor.)
Teletype Corporation. (See Larson, E. S., and Wahlstrand, assignors.)
Templeton, Hubert F., and R. M. Clouse, Indianapolis, Ind. Roll chuck for web presses. 2,066,659; Jan. 5.
Terry, Donald M. (See Beyer, J. W., and Terry.)
Terzian, Harutyun G. (See Haug, J. S., Terzian, and Perry.)
Teves, Marten C. (See de Boer, J. H., and Teves.)
Texas Company, The. (See Clarke, Louis A., assignor.)
Texas Company, The. (See Manley, Robert E., assignor.)
Textile Machine Works. (See Janssen, Henry, assignor.)
Thayer, Warren B. (See Getts, Sidney A., assignor.)
Thew Shovel Company. (See Wilson, Emery J., assignor.)
Thiess, Karl, and F. Maennchen, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dioxazine dyestuffs and preparing them. 2,066,915; Jan. 5.
Thomas, Albert R., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,066,660; Jan. 5.
Thompson, Charles W., Baltimore, Md. Kaleidoscope. 2,066,548; Jan. 5.
Thompson, Elmer B., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Wheel stop device for automobile lifts. 2,066,916; Jan. 5.
Thomson Machine Company. (See Parsons, Edward T., assignor.)
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Air deflector. 2,066,432; Jan. 5.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Deflector shield. 2,066,589; Jan. 5.
Thorp, Joel R., West Allis, and W. H. Lieber, Wauwatosa, assignors to The Fulton Company, West Allis, Wis. Vehicle ventilating wing. 2,066,590; Jan. 5.
Thum, O. & W., Company, The. (See Burgess, W. S., and Golley, assignors.)
Tigelaar, Jacob H. (See Rosema, C. E., and Tigelaar.)
Tilles, Gustav, assignor of one-half to F. Proksch, Vienna, Austria. Light sign device. 2,066,549; Jan. 5.
Timken Roller Bearing Company, The. (See Eastburg, Clifford L., assignor.)
Timken Roller Bearing Company, The. (See Schlauplitz, Oswald, assignor.)
Timken Silent Automatic Company, The. (See Powers, Milton A., assignor.)
Toledo Scale Manufacturing Company. (See Heiu, Halvor W., assignor.)
Tomalis, Joseph J., assignor to American Screw Company, Providence, R. I. Making dies or punches. 2,066,372; Jan. 5.
Tomkins, Harold A., Jackson, Mich. Crankshaft chuck. 2,067,107; Jan. 5.
Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lockstitch sewing machine. 2,066,373; Jan. 5.
Torme, Arthur H., assignor to Torme Products Co., Chicago, Ill. Self-standing cut-out. 2,066,591; Jan. 5.
Torme Products Co. (See Torme, Arthur H., assignor.)
Törnebohm, Hilding V., assignor to T. H. Ahlgren, Gothenburg, Sweden. Change speed gear. 2,066,952; Jan. 5.
Toro Manufacturing Company. (See Moyer, Amos F., assignor.)
Toulouse, Julian H., Toledo, Ohio, assignor to Owen-Illinois Glass Company. Basket. 2,066,374; Jan. 5.
Toussaint, Heinrich, Berlin-Lankwitz, and E. Heintzmann, Bochum, Germany. Mine prop. 2,066,433; Jan. 5.
Trank, Joe, Los Angeles, Calif. Utensil. 2,066,749; Jan. 5.
Trankla, Grace M. (See Kwartz, Michael J., assignor.)
Trans-Lux Daylight Picture Screen Corporation. (See Bowen, Lester W., assignor.)
Trans-Lux Daylight Picture Screen Corporation. (See Unkles, Edward H., assignor.)
Treadwell Engineering Company. (See Schreck, H. L., and Hamilton, assignors.)
Trent, Walter E., New York, N. Y. Apparatus for depicting a monetary economic situation. 2,066,809; Jan. 5.
Trenton Brass & Machine Company. (See Muller, Otto R., assignor.)
Treworgy, Harold E., Brunswick, Maine. Telephone signal device. 2,066,434; Jan. 5.
Tripp, Charles A., deceased, by Wilmington Trust Company and E. W. Tripp, executors, Wilmington, Del., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card tabulating machine. 2,066,750; Jan. 5.
Tripp, Elizabeth W., executrix, et al. (See Tripp, Charles A.)
Truman, Fred M., Ambler, Pa. Aircraft and the control thereof. 2,066,375; Jan. 5.
Tube-Turns, Incorporated. (See Fritsch, Rudolph E., assignor.)
Tubize Chatillon Corporation. (See Barthelemy, Henri L., assignor.)
Tucker, Furman L., Anderson, S. C. Farming apparatus. 2,066,864; Jan. 5.
Union Oil Company of California. (See Fisher, H. F., and Aldridge, assignors.)
Union Oil Company of California. (See Gard, Earle W., assignor.)
Union Steel Products Company. (See Hatch, Charles T., assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Allen, E. M., and Young, assignors.)
Union Switch & Signal Company. (See Brashares, Harry E., assignor.)
United Aircraft Corporation. (See Beisel, Rex B., assignor.)
United Gas Improvement Company, The. (See Haug, J. S., Terzian, and Perry, assignors.)
United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., Kestell, and Keall, assignors.)
United Shoe Machinery Corporation. (See Keaney, Francis A., assignor.)
United Shoe Machinery Corporation. (See Schoenky, August R., assignor.)
United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
United Shoe Machinery Corporation. (See Wright, Wallace C., assignor.)
United States Envelope Company. (See Swift, Willard E., assignor.)
United States Gypsum Company. (See McNeil, William M., assignor.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See Delattre-Seguy, Jean, assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Winding Company. (See Swanson, Ernest R., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Röber, Konstantin F., assignor.)
Unkles, Edward H., Weehawken, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Image-forming system. 2,066,435; Jan. 5.
Upton, David B., Escobas, Tex. Auger circulating pump. 2,067,108; Jan. 5.
Urquhart, Jesse T., Southampton County, Va. Fertilizer distributor. 2,066,953; Jan. 5.
Van Ackeren, Paul, Essen, Germany, assignor, by mesne assignments, to The Koppers Company. Elimination of poisonous waste liquors. 2,067,029; Jan. 5.
Vanderpoel, Albert G. H. (See Bleicher, A. A., and Vanderpoel.)
Van der Pol, Balthasar. (See Posthumus, K., and van der Pol.)
Vanick, James S. (See Merica, P. D., Vanick, and Wickenden.)
Van Meter, Solomon L., Jr., Lexington, Ky. Aircraft. 2,066,810; Jan. 5.
Van Peski, Adrianus J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Treating mineral oil distillates. 2,067,030; Jan. 5.
Vanselow, Waldemar. (See Sheppard, S. E., and Vanselow.)
Vazquez, Antonio P., Habana, Cuba. Locking system for doors and windows. 2,066,705; Jan. 5.
Venn-Severin Machine Co. (See Severin, F. W., and Venn, assignors.)
Venn, Theodore H. (See Severin, F. W., and Venn.)

Viale, Spirito M., and H. N. Wylie, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Elastic coupling between an air screw hub and a coaxial driving shaft. 2,067,109; Jan. 5.
Viber Company. (See Jorgensen, Enoch B., assignor.)
Vickers-Armstrongs Limited. (See Watson, John P., assignor.)
Victor Manufacturing & Gasket Company. (See Schmied, Joseph M., assignor.)
Vines, Raymond F. (See Wise, E. M., and Vines.)
Vitrone, Joseph, New York, N. Y. Ring watch. 2,066,437; Jan. 5.
Vogel, Fred J., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bushing. 2,066,917; Jan. 5.
Volberding, Le Roy A. (See Kellholtz, L. S., and Volberding.)
Von Ardenne, Manfred, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Resistance coupled high frequency amplifier. 2,066,751; Jan. 5.
Von Herz, Edmund, Cologne-Delbruck, Germany. Citrotetrazole compounds. 2,066,954; Jan. 5.
Von Poser, Gottlieb, and R. Franke, Wiesbaden, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Light-sensitive material and producing pictures. 2,066,918; Jan. 5.
Vuilleme, Marcel, Paris, France. Cooling of heat engines. 2,066,661; Jan. 5.
Wadsworth, Lewis L., Winchester, Mass. Method of lining pipes. 2,066,592; Jan. 5.
Wagemaker Company. (See Bushnell, John H., assignor.)
Wahlstrand, Harold A. (See Larson, E. S., and Wahlstrand.)
Wales, George F., Buffalo, assignor to American Radiator Company, New York, N. Y. Flue baffle for heating apparatus. 2,067,133; Jan. 5.
Walker, Charles I., Los Angeles, Calif. Protecting and lubricating journals. 2,066,593; Jan. 5.
Walters, Emmett L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Annealing leer. 2,066,376; Jan. 5.
Walters, Michael E. (See Wolfe, John A., assignor.)
Wappler, Frederick C., New York, N. Y. Instrument for insertion into constricted body cavities. 2,067,031; Jan. 5.
Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
Ward, Sherman B., Portsmouth, N. H., assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass. Rubber covered roll and making the same. 2,066,752; Jan. 5.
Warner, Truly, New York, N. Y. Restaurant apparatus. 2,066,865; Jan. 5.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Decorating glass. 2,066,497; Jan. 5.
Watson, Charles G., Austintown, Ohio. Pickling crate. 2,066,594; Jan. 5.
Watson, Charles G., Austintown, Ohio. Pickling crate device. 2,066,595; Jan. 5.
Watson, John P., Broadway, Westminster, assignor to Vickers-Armstrongs Limited, Westminster, England. Gunfire control apparatus. 2,066,498; Jan. 5.
Watson, John P., assignor to Vickers-Armstrongs Limited, Westminster, England. Range finding device. 2,066,499; Jan. 5.
Watters, William E., Maywood, Ill. Respiratory protective apparatus. 2,066,706; Jan. 5.
Wean Engineering Company, The. (See Wean, R. J., and McArthur, assignors.)
Wean, Raymond J., and D. A. McArthur, assignors to The Wean Engineering Company, Incorporated, Warren, Ohio. Coil holder. 2,066,377; Jan. 5.
Weed, Harry D., Southport, Conn. Tire chain tightener. 2,067,032; Jan. 5.
Weinand, Klaus, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series. 2,066,707; Jan. 5.
Weiss, Arthur J., St. Albans, assignor to Robert Gair Company, Inc., New York, N. Y. Knock-down container. 2,066,753; Jan. 5.
Wells, George W., Amesbury, Mass. Keeper device for door latches. 2,066,438; Jan. 5.
Wents, Benno. (See Salmang, H., and Wents.)
Werring, Francis W. (See Lovekin, L. D., and Werring.)
West, Alan A., West Oak Lane, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Making porous separators. 2,066,596; Jan. 5.
West, Charles P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,066,919; Jan. 5.
West, George H. B., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Terminal post assembly. 2,066,597; Jan. 5.
Western Land Roller Company. (See Gray, Garold C. J., assignor.)
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Safety tube seal and its manufacture. 2,066,754; Jan. 5.
Westinghouse Air Brake Company, The. (See Neveu, Anselme, assignor.)
Westinghouse Electric Elevator Company. (See Bouton, E. M., and Eames, assignors.)
Westinghouse Electric Elevator Company. (See Bouton, E. M., and Williams, assignors.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric Elevator Company. (See Williams, H. W., Carney, and Jones, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bartmess, Meigs W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Booth, Harold S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Davis, Robert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehrke, Louis F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Else, Harry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gustin, Daniel S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodnette, John K., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Janetschke, assignor.)
Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Winfield R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marden, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Philpott, La Verne R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vogel, Fred J., assignor.)
Westinghouse Electric & Manufacturing Company. (See West, Charles P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Willby, N. H., Powers, and Shamberger, assignors.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Westrope, Fred J., assignor to The Murray Corporation of America, Detroit, Mich. Vehicle header construction. 2,066,500; Jan. 5.
Westrope, Fred J., assignor to The Murray Corporation of America, Detroit, Mich. Deck support and trough. 2,066,501; Jan. 5.
Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Portable electric lamp. 2,066,811; Jan. 5.
Wheeler, Clarence M., St. Louis, Mo. Combined stamp vending and advertising machine. 2,066,662; Jan. 5.
White, Albert F., Toronto, Ontario, Canada. Continuous flow conveyer. 2,066,866; Jan. 5.
White, John C., Madison, Wis. Injector heater. 2,066,867; Jan. 5.
White, Sirnay Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical rectifier and detector system. 2,067,033; Jan. 5.
Whiteley, Robert H., Oak Park, Ill., assignor to R. H. Whiteley, trustee. Heat responsive self-lubricating bearing. 2,067,034; Jan. 5.
Whiteley, Robert H., trustee. (See Whiteley, Robert H., assignor.)
Whitin Machine Works. (See Oswald, John G., assignor.)
Whitman Saddle Manufacturing Co. (See Robertson, Alfred J., assignor.)
Whitney, Wiley, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,066,502; Jan. 5.
Whittaker, Lloyd B., New York, N. Y. Dispensing unit. 2,066,868; Jan. 5.
Wickenden, Thomas H. (See Merica, P. D., Vanick, and Wickenden.)
Widerøe, Rolf, Vinderen, near Oslo, Norway. Distance relay for the protection of electric plants. 2,066,955; Jan. 5.
Wiessner, Christopher E., assignor to Durametallic Corporation, Kalamazoo, Mich. Pulling tool or implement. 2,066,598; Jan. 5.
Wiggers, Blanche E., Baltimore, Md. Breast adapter. 2,066,503; Jan. 5.
Wilcoxen, Jesse I., Jr. (See Wilcoxen, Jesse I., Sr., and J. I., Jr.)
Wilcoxen, Jesse I., Sr., and J. I. Wilcoxen, Jr., Ford, Kans. Agricultural implement. 2,066,812; Jan. 5.
Wild, Charles H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Conveyer divider. 2,066,869; Jan. 5.
Wilkie, Robert J., Newton, assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass. Roll. 2,066,755; Jan. 5.
Willard Storage Battery Company. (See Dunsweiler, Carl J., assignor.)
Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
Willard Storage Battery Company. (See Zachlin, Anthony C., assignor.)

Willby, Norman H., Irwin, F. B. Powers, and J. P. Shamberger, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,066,920; Jan. 5.
Willett, Samuel A., Paducah, Ky., assignor of one-half to Birmingham Artificial Limb Company, Birmingham, Ala. Ankle joint for artificial limbs. 2,066,599; Jan. 5.
Williams, Frederick W., Honolulu, Hawaii. Fastening device. 2,066,813; Jan. 5.
Williams, Frederick W., Honolulu, Hawaii. Fastening device. 2,066,814; Jan. 5.
Williams, Glynn H., Huntington Park, assignor to Axelson Manufacturing Co., Los Angeles, Calif. Automatic coupling. 2,066,956; Jan. 5.
Williams, Harold W. (See Bouton, E. M., and Williams.)
Williams, Harold W., C. F. Carney, and R. W. Jones, assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 2,066,921; Jan. 5.
Williams, John J. (See Noll, J. J., and Williams.)
Williamson, Clarence H., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. House car. 2,067,035; Jan. 5.
Wilmington Trust Company, executors, et al. (See Tripp, Charles A.)
Wilson, Emery J., Cleveland, assignor to Thew Shovel Company, Lorain, Ohio. Boom construction. 2,066,600; Jan. 5.
Wilson-Jones Company. (See Olm, Oscar J., assignor.)
Wimmer, Anton, Dortmund, Germany. Producing metals for electrical purposes. 2,067,036; Jan. 5.
Wine Railway Appliance Company. (See Isaacson, F. A., and Wine, assignors.)
Wine, William E. (See Isaacson, F. A., and Wine.)
Wine, William E., and W. Wyatt, Washington, D. C. Landing net. 2,066,439; Jan. 5.
Winkler, Frans, Wurzburg, Germany. Coaster brake. 2,066,504; Jan. 5.
Winter, Albert S., and T. Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular knitting machine. 2,066,440; Jan. 5.
Winthrop Chemical Company. (See Deichsel, Stanislaus, assignor.)
Winthrop Chemical Company. (See Jensch, Heinrich, assignor.)
Winthrop Chemical Company. (See Kropp, Walter, assignor.)
Winthrop Chemical Company. (See Schmidt, Hans, assignor.)
Winthrop Chemical Company. (See Schönhöfer, F., and Bonrath, assignors.)
Wisconsin Alumni Research Foundation. (See Bennett, Edward, assignor.)
Wise, Edmund M., Westfield, and R. F. Vines, Elizabeth, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Alloys of rhodium and nickel. 2,066,870; Jan. 5.
Wolfard, Merl R., Cambridge, assignor to Hopewell Brothers, Watertown, Mass. Manifold for multicylinder internal combustion engines. 2,066,922; Jan. 5.
Wolfard, Merl R., Cambridge, assignor to Hopewell Brothers, Watertown, Mass. Manifold system for multicylinder internal combustion engines. 2,066,923; Jan. 5.
Wolfe, George M., Seattle, Wash. Educational appliance. 2,066,871; Jan. 5.
Wolfe, Harry H., and J. S. McPherson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Wear plate for railway truck journal boxes. 2,066,441; Jan. 5.
Wolfe, John A., assignor to M. E. Walters, Huntington Park, Calif. Excluding abrasive carrying liquid from bearings and joints. 2,066,505; Jan. 5.
Wolfert, Edward R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator control system. 2,066,924; Jan. 5.
Wolff, Jerome G., assignor to Scovill Manufacturing Company, Waterbury, Conn. Suspender slide. 2,067,069; Jan. 5.
Wood, Albert E., Battle Creek, Mich. Valve grinding apparatus. 2,066,601; Jan. 5.
Wood, John, Manufacturing Company. (See Gotwals, William L., Jr., assignor.)
Woodbury, Clifford A., Media, Pa., and W. E. Lawson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fuel. 2,066,506; Jan. 5.
Woodstock Typewriter Company. (See Koca, James F., assignor.)
Wooley, Frederick E., Manasquan, N. J. Heating system. 2,067,070; Jan. 5.
Worden, R. B., Granger, Wash. Fish lure. 2,066,815; Jan. 5.
Worth Company, The. (See Butterworth, Samuel D., assignor.)
Wratschko, Joseph, assignor of one-half to M. H. Camp, New Britain, Conn. Garter grip. 2,066,957; Jan. 5.
Wright Aeronautical Corporation. (See Daub, Rudolph, assignor.)
Wright, Allen A., Winnetka, assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Stand for display trays and the like. 2,066,378; Jan. 5.
Wright, Carl, Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf club. 2,066,442; Jan. 5.
Wright-Dalton Machinery Company. (See Dalton, John T., assignor.)
Wright, Wallace C., Brookfield, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Boston, Mass. Impregnating apparatus. 2,066,379; Jan. 5.
Wurser, Joseph A., Buffalo, N. Y. Game table. 2,066,816; Jan. 5.
Wyatt, James R., Camden, N. J., assignor to Ajax Electric Furnace Corporation, Philadelphia, Pa. Superheating induction furnace. 2,067,110; Jan. 5.
Wyatt, Walter. (See Wine, W. E., and Wyatt.)
Wylie, Hamilton N. (See Viale, S. M., and Wylie.)
Yabroff, David L., Oakland, and J. W. Givens, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Removing acid components from hydrocarbon distillates. 2,066,925; Jan. 5.
Yost, William T., assignor to The Kit-Ap Corporation, Cleveland, Ohio. Combined toaster and grill. 2,066,807; Jan. 5.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Air conditioning, heating, and cooling units. 2,066,817; Jan. 5.
Young, Henry S. (See Allen, F. M., and Young.)
Young, Hugh E., Chicago, Ill. Electrical control system. 2,066,508; Jan. 5.
Young, Hugh F., Chicago, Ill. Rectifying system. 2,066,509; Jan. 5.
Young Radiator Company. (See Krotz, Alvaro S., assignor.)
Young Radiator Company. (See Young, Fred M., assignor.)
Young, Samuel D., Edgbaston, Birmingham, England, assignor to Aluminum Company of America, Pittsburgh, Pa. Closure for bottles or other containers. 2,066,768; Jan. 5.
Youngstown Steel Door Company, The. (See Williamson, Clarence H., assignor.)
Younkman, George W., Brooklyn, N. Y., and R. L. Darling, assignors to Bond Electric Corporation, Jersey City, N. J. Electric hand lantern. 2,066,510; Jan. 5.
Zabel, Rolland M., Lynnfield, assignor to Hygrade Sylvania Corporation, Salem, Mass. Incandescent lamp. 2,067,134; Jan. 5.
Zachlin, Anthony C., South Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery grid. 2,066,663; Jan. 5.
Zeh, Walter. (See Dieterle, W., Zeh, and Zerweck.)
Zerweck, Werner. (See Dieterle, W., Zeh, and Zerweck.)
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim; N. Steiger, Frankfort-on-the-Main; A. Modersohn, Cologne-Mulheim-on-the-Rhine; and W. Schleifenbaum, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs insoluble in water. 2,067,149; Jan. 5.
Ziembinski, Sigmund W., Bronx, N. Y. Locking and clamping device. 2,066,380; Jan. 5.
Zimarik, John. (See Nash, H. F., and Zimarik.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Door, Mirror frame. S. Piker. 20,231; Jan. 5.
Fastener. D. A. Brennan. 20,233; Jan. 5.
Lamp, Candle. T. J. Muench and O. D. Gulifoil. 20,230; Jan. 5.
Liquids, Apparatus for treating. J. C. Gordon. 20,227; Jan. 5.
Respiration apparatus. P. Drinker and L. A. Shaw. 20,226; Jan. 5.
Spindle. F. G. Kraft. 20,229; Jan. 5.
Truck and the like, Shoveling hand. A. C. Gulliver. 20,228; Jan. 5.
Wrench, Track. H. H. Talboys. 20,232; Jan. 5.

LIST OF PLANT INVENTIONS

Poplar, Hybrid. R. H. McKee. 211–18; Jan. 5.

LIST OF DESIGN INVENTIONS

Bottle. F. McLaughlin. 102,636; Jan. 5.
Bracelet. R. Massa. 102,635; Jan. 5.
Bulb for headlamps. L. S. Greenmun. 102,650; Jan. 5.
Cabinet and X-ray picture display support or the like, Combined. H. G. Evans. 102,664; Jan. 5.
Cabinet for a hair waving machine. J. W. Bestler. 102,627; Jan. 5.
Cabinet or similar article, Washing machine. O. L. Earl. 102,630; Jan. 5.
Cabinet or the like, Doctor's. J. C. Fay. 102,631; Jan. 5.
Carpet underliner. N. Newman. 102,616; Jan. 5.
Carrier, Bottle. E. Worthington. 102,671; Jan. 5.
Carton or similar article. B. Mintz. 102,654; Jan. 5.
Case or similar article, Vanity. D. W. Dunberg. 102,629; Jan. 5.
Casing, Electric fan. J. G. Macdonald. 102,667; Jan. 5.
Casing, Electric heater. G. Steingruber. 102,670; Jan. 5.
Clock. M. Schlenker. 102,623; Jan. 5.
Confectionery product. L. B. Olin. 102,639; Jan. 5.
Cushion or similar article. J. W. Bowersox and S. J. Blaha. 102,646; Jan. 5.
Dolly. K. C. Hamilton. 102,605; Jan. 5.
Fabric, Knitted. J. Minoff. 102,669; Jan. 5.
Fabric, Textile. E. I. Hanson. 102,665; Jan. 5.
Gas administering machine. J. A. Heidbrink. 102,632; Jan. 5.
Jar. L. E. Adams. 102,645; Jan. 5.
Lamp or similar article, Motor vehicle marker. M. R. Korabin. 102,634; Jan. 5.
Marquee, V-type. M. L. Clark. 102,648; Jan. 5.
Microphone body, Hearing-aid transmitter. E. C. Nicholides. 102,655; Jan. 5.
Moth preventative tablet. A. L. Saeka. 102,642; Jan. 5.
Padlock. N. J. Vile. 102,643; Jan. 5.
Pan, Chair seat. I. R. Bromagem. 102,660; Jan. 5.
Panel, Electric range control. J. H. Grayson and G. Greenamyer. 102,649; Jan. 5.
Pipe, Tobacco. L. C. Millsap. 102,637; Jan. 5.
Plate. J. E. Spence. 102,658; Jan. 5.
Plate or similar article. Y. Buma. 102,647; Jan. 5.
Rack, Ribbon roller. O. Lion. 102,652; Jan. 5.
Radio receiving apparatus. C. J. Meyer. 102,653; Jan. 5.
Receptacle for cigarettes or other articles. A. Bates. 102,626; Jan. 5.
Receptacle for cigarettes or other articles. W. J. Reilly. 102,641; Jan. 5.
Refrigerator. G. W. Walker. 102,659; Jan. 5.
Rug. F. J. Heller. 102,666; Jan. 5.
Shirt or similar article, Sport. M. Saidin. 102,656; Jan. 5.
Shoe. S. Carrabba. 102,601–3; Jan. 5.
Shoe. H. H. C. Odencrants. 102,617–22; Jan. 5.
Shoe. A. Turiansky. 102,624–5; Jan. 5.
Slipper. M. Jacob. 102,651; Jan. 5.
Switch plate and thermometer, Combined. O. Maximilian. 102,668; Jan. 5.
Textile fabric. W. Kaplan. 102,606–15; Jan. 5.
Textile fabric. J. Killara, Jr. 102,633; Jan. 5.
Textile fabric. H. W. Wilde. 102,644; Jan. 5.
Textile fabric or similar article. P. Cregut. 102,604; Jan. 5.
Tray. L. M. Dennis. 102,628; Jan. 5.
Tray, Refrigerator. L. H. Scurlock. 102,657; Jan. 5.
Trimming for receptacles for cigarettes or other articles. W. J. Reilly. 102,640; Jan. 5.
Tube or similar container. F. W. Nitardy. 102,638; Jan. 5.
Wheel, Spoked. C. L. Eksergian. 102,663; Jan. 5.
Wheel, Vehicle. C. L. Eksergian. 102,661–2; Jan. 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive carrying liquid from bearings and joints, Excluding. J. A. Wolfe. 2,066,505; Jan. 5.
Abrasive elements, Yieldably mounted. H. P. Kirchner. 2,067,089; Jan. 5.
Acid components from hydrocarbon distillates, Removing. D. L. Yabroff and J. W. Givens. 2,066,925; Jan. 5.
Acid from separated sludge acid, Recovering sulphuric. I. Hechenbleikner and F. J. Bartholomew. 2,066,685; Jan. 5.
Acid, Manufacture of citric. P. Leone. 2,066,892; Jan. 5.
Acids and 1.4 + 5.8-naphthalenetetracarboxylic acids and preparing them, Nuclear substituted acenaphthalic. W. Eckert and E. Fischer. 2,067,138; Jan. 5.
Adhesive and making the same, Resinous. C. B. Rosema and J. H. Tigelaar. 2,066,857; Jan. 5.
Agricultural implement. J. I., Sr., and J. I. Wilcoxen, Jr. 2,066,812; Jan. 5.
Air cleaner and silencer. G. C. Rensink. 2,067,160; Jan. 5.
Air conditioning apparatus. L. S. Kellholtz. 2,066,888; Jan. 5.
Air conditioning apparatus. L. S. Kellholtz and L. A. Volberding. 2,066,889; Jan. 5.
Air conditioning, heating, and cooling units. F. M. Young. 2,066,817; Jan. 5.
Air deflector. J. R. Thorp. 2,066,432; Jan. 5.
Air in dwelling rooms or other chambers, Apparatus for freshening. R. Rutledge. 2,066,540; Jan. 5.
Aircraft. R. J. G. Crouch and H. Bolas. 2,066,336; Jan. 5.
Aircraft. S. L. Van Meter, Jr. 2,066,810; Jan. 5.
Aircraft and the control thereof. F. M. Truman. 2,066,375; Jan. 5.
Airplane wing construction, Flexible. R. C. Sabins. 2,066,649; Jan. 5.
Alloy. R. S. Archer. 2,066,512; Jan. 5.
Alloy, Magnetic iron. R. A. Curry. 2,066,911; Jan. 5.
Alloy, Magnetic iron. R. A. Curry. 2,066,926; Jan. 5.
Alloys of rhodium and nickel. E. M. Wise and R. F. Vines. 2,066,870; Jan. 5.
Amplifier coupling, Band pass. R. A. Braden. 2,066,875; Jan. 5.
Amplifier, Multistage ultra high radio frequency. F. W. Dunmore and L. L. Hughes. 2,066,674; Jan. 5.
Amplifier, Resistance coupled high frequency. M. von Ardenne. 2,066,751; Jan. 5.
Amplifier, Thermionic. E. W. B. Gill and R. H. Donaldson. 2,067,018; Jan. 5.
Ankle joint for artificial limbs. S. A. Willett. 2,066,599; Jan. 5.
Antenna. O. Böhm, A. Gothe, and H. O. Roosenstein. 2,066,874; Jan. 5.
Antenna. K. Posthumus and B. van der Pol. 2,066,900; Jan. 5.
Anti jumper for sliding doors. F. W. Moore. 2,066,994; Jan. 5.
Antimony compounds of polyhydroxy carboxylic acids and making them. H. Schmidt. 2,066,742; Jan. 5.
Antiskid and traction device. S. Meckler. 2,066,412; Jan. 5.
Antiskid device. A. H. Grout. 2,067,121; Jan. 5.
Antiskid device. W. H. Snyder. 2,066,368; Jan. 5.
Applicator for applying wax, varnish, polish, and the like. E. R. Erickson. 2,066,829; Jan. 5.
Arch supporter and exerciser. C. D. Adams. 2,066,443; Jan. 5.
Articles, Apparatus for enameling. C. S. Larson and W. A. Kuebler. 2,066,628; Jan. 5.
Articles, Apparatus for packaging. E. Conti. 2,066,769; Jan. 5.
Aryl compounds and making them, Trivalent polymetallo-. H. Schmidt. 2,066,950; Jan. 5.
Attachment for hay sweeps, Discharging. A. C. Schilling. 2,067,099; Jan. 5.
Auger circulating pump. D. B. Upton. 2,067,108; Jan. 5.
Automatic coupling. G. H. Williams. 2,066,956; Jan. 5.
Automatic temperature regulator. J. E. M. Grèby. 2,066,345; Jan. 5.
Automatic train control. D. H. Schweyer. 2,066,744; Jan. 5.
Automobile motor warmer. G. W. Simon. 2,067,102; Jan. 5.
Azodyestuffs insoluble in water. W. Zerweck, N. Steiger, A. Modersohn, and W. Schleifenbaum. 2,067,149; Jan. 5.
Azodyestuffs, Water-insoluble. W. Lamberz. 2,066,986; Jan. 5.
Azodyestuffs, Water-insoluble. W. Lamberz and K. Birr. 2,066,985; Jan. 5.
Bags, Manufacture of. J. M. Driver. 2,066,719; Jan. 5.
Bale cutting machine. D. J. Gregory and C. F. Schnuck. 2,067,083; Jan. 5.
Ball, Hoop. W. B. Reynolds. 2,066,799; Jan. 5.
Band, Detachable sweat. G. A. Sporre. 2,066,493; Jan. 5.
Bandage, Deodorising and sterilizing. C. K. Bolman. 2,066,946; Jan. 5.
Base for electric lamps or similar devices. H. D. Blake and W. J. Geiger. 2,066,317; Jan. 5.
Basket. J. H. Toulouse. 2,066,374; Jan. 5.
Bath for anodic treatment of aluminum. R. W. Buzzard. 2,066,327; Jan. 5.
Battery: *See*—
Storage battery.
Battery grid, Storage. A. C. Zachlin. 2,066,663; Jan. 5.
Battery plates, Setting newly pasted storage. E. W. Smith and C. A. Hall. 2,066,701; Jan. 5.
Battery terminal. H. W. Lormor. 2,066,691; Jan. 5.
Bearing: *See*—
Self-lubricating bearing.
Bearing. H. D. Else. 2,066,931; Jan. 5.
Bearing axle construction, Roller. C. L. Eastburg. 2,066,879; Jan. 5.
Bed pan. E. A. Hale. 2,066,400; Jan. 5.
Bed, Wall. E. H. Bridenbaugh. 2,067,136; Jan. 5.
Belt for paper making machines, Woven wire. H. G. Specht. 2,066,369; Jan. 5.
Belt, Life buoy. J. Gammaitoni. 2,066,725; Jan. 5.
Belt tightening means. J. F. Eaton. 2,066,721; Jan. 5.
Bit: *See*—
Roller bit.
Blade for manure spreaders, Distributor. H. Synck. 2,066,862; Jan. 5.
Block printing machine. F. G. Rottmund. 2,066,801; Jan. 5.
Boiler. O. Hartmann. 2,066,401; Jan. 5.
Book and making same. A. L. Grammer. 2,066,620; Jan. 5.
Boom construction. E. J. Wilson. 2,066,600; Jan. 5.
Booth and camera arrangement, Photographic. T. I. Palfreeman. 2,066,898; Jan. 5.
Booth, Paint spraying. C. A. Frick. 2,066,616; Jan. 5.
Bottle holder. C. D. Hoffman. 2,067,124; Jan. 5.
Bottle, Nursing. P. E. Allen. 2,066,445; Jan. 5.
Box: *See*—
Waterproof box.
Box and box blank. J. T. Curtis. 2,066,963; Jan. 5.
Bracket: *See*—
Hanger bracket. Shoe holder bracket.
Bracket for holding pocketbooks. L. Cohen. 2,066,825; Jan. 5.
Brake: *See*—
Coaster brake. Fluid pressure brake.
Brake drum. C. L. Eksergian. 2,066,395; Jan. 5.
Brake for toy vehicles. H. F. Davis. 2,066,826; Jan. 5.
Brake lining device. A. C. Hoffman. 2,067,086; Jan. 5.
Brake shoe. A. Nelson. 2,067,159; Jan. 5.
Bread rack. C. T. Hatch. 2,066,623; Jan. 5.
Breast adapter. B. E. Wiggers. 2,066,503; Jan. 5.
Bridge for eyeglasses. S. W. Montgomery. 2,066,735; Jan. 5.
Buckle. S. A. Getts. 2,066,398; Jan. 5.
Buckle or slide, Belt. L. W. Staples. 2,066,914; Jan. 5.
Building, Fireproof. W. M. Goldsmith. 2,066,681; Jan. 5.
Building material and making the same, Decorative. E. C. Loetscher. 2,066,734; Jan. 5.
Building material, Composite. E. C. Loetscher. 2,067,012; Jan. 5.
Building unit. P. J. Maul. 2,067,059; Jan. 5.
Bulb and holder, Metallic. R. H. Campbell. 2,066,517; Jan. 5.
Bulkhead, Enclosure. L. F. Dietz. 2,066,718; Jan. 5.
Bundling apparatus. W. Barrett. 2,066,449; Jan. 5.
Burner: *See*—
Liquid fuel burner. Oil burner.
Burner and hearth, Liquid fuel. M. A. Powers. 2,067,097; Jan. 5.
Bushing. F. J. Vogel. 2,066,917; Jan. 5.
Button shaping machine. H. H. Knott. 2,066,839; Jan. 5.
Cable system, Electric. C. E. Bennett. 2,066,320–3; Jan. 5.
Calculator. J. L. Taylor. 2,067,068; Jan. 5.
Camera. N. P. Billing. 2,066,605; Jan. 5.
Camera construction. C. C. Fuerst. 2,066,563; Jan. 5.
Camping equipment. R. W. Gorton. 2,066,342; Jan. 5.
Car heater. A. S. Krotz. 2,066,627; Jan. 5.
Car, House. C. H. Williamson. 2,067,035; Jan. 5.
Car loading device. S. D. Butterworth. 2,066,714; Jan. 5.
Car, Railway. F. A. Isaacson and W. E. Wine. 2,066,626; Jan. 5.
Carburetor. A. R. Baker. 2,066,318; Jan. 5.
Carburetor control mechanism. J. Bellis. 2,066,667; Jan. 5.

Card holder. C. H. Holmberg. 2,066,887; Jan. 5.
Card tabulating machine. C. A. Tripp. 2,066,750; Jan. 5.
Carriage for shaking conveyers. C. N. Bebinger. 2,066,451; Jan. 5.
Carriage return. J. F. Koca. 2,066,978; Jan. 5.
Carrier: *See*—
Key carrier.
Carrier for indicating gauges. C. E. Skelton. 2,066,699; Jan. 5.
Carrier wave system for signaling, Controlled. G. W. Eyler. 2,066,970; Jan. 5.
Carton. D. E. Rueckert. 2,067,022; Jan. 5.
Carton for radio tubes. C. M. Knaur. 2,067,126; Jan. 5.
Carton, Packing. F. W. Quackenboss. 2,066,485; Jan. 5.
Case: *See*—
Key case.
Cases, Apparatus for making asphaltic storage battery. E. B. Dillehay. 2,066,459; Jan. 5.
Cash register. T. E. D. Bilde and S. E. Lindvall. 2,066,669; Jan. 5.
Casting of magnesium. F. Hansgirg. 2,066,564; Jan. 5.
Casting machine, Centrifugal. K. F. Dailey. 2,066,521; Jan. 5.
Catch for pins and making the same, Safety. F. E. Farnham. 2,066,969; Jan. 5.
Cathode for discharge devices. J. W. Marden. 2,067,129; Jan. 5.
Cellulose employing homogenizers, Fibrous esterification of. L. M. Minsk, W. O. Kenyon, and H. L. B. Gray. 2,066,571; Jan. 5.
Cellulose esters, Stabilization of. O. Sindl. 2,066,584; Jan. 5.
Cement products, Making Portland. C. Batcheller. 2,066,550; Jan. 5.
Centrifugal device. G. H. Leland. 2,066,989; Jan. 5.
Chain: *See*—
Conveyer chain.
Chain link, Swivel. B. G. Plummer. 2,066,852; Jan. 5.
Chain tightener, Tire. H. D. Weed. 2,067,032; Jan. 5.
Change speed gear. H. V. Törnebohm. 2,066,952; Jan. 5.
Check, Door. W. F. Moore. 2,066,795; Jan. 5.
Chemical products and producing same. W. H. Carothers, A. M. Collins, and J. E. Kirby. 2,066,329–31; Jan. 5.
Chloride into thin sheets and product obtainable thereby, Transforming polymerized vinyl. F. Schmidt. 2,067,025; Jan. 5.
Chuck, Crankshaft. H. A. Tomkins. 2,067,107; Jan. 5.
Chuck for web presses, Roll. H. F. Templeton and R. M. Clouse. 2,066,659; Jan. 5.
Cigarettes, Apparatus for making. W. F. M. Edwards. 2,066,460; Jan. 5.
Circuit breaker for electric fluid heaters, Temperature responsive emergency. L. D. Lovekin and F. W. Werring. 2,066,632; Jan. 5.
Circuit breaker for spark distributors. A. A. Melcher and A. G. H. Vanderpoel. 2,066,640; Jan. 5.
Circuit, Control. V. E. Rosene. 2,066,539; Jan. 5.
Circuit controller. E. W. Seeger and P. B. Harwood. 2,066,745; Jan. 5.
Circuit, Relay. H. Döhle. 2,066,614; Jan. 5.
Circuits, Gain control. J. W. Beyer and D. M. Terry. 2,066,514; Jan. 5.
Cleaning device. L. J. Reysa. 2,066,420; Jan. 5.
Clip: *See*—
Film clip. Paper clip.
Clipper, Variable shear hair. E. A. Clark. 2,067,075; Jan. 5.
Clock, Electric. J. Berti. 2,066,604; Jan. 5.
Closure for bottles or other containers. S. D. Young. 2,066,708; Jan. 5.
Closure for containers. B. F. Cahoon and H. C. Seaman, Jr. 2,066,390; Jan. 5.
Closure for containers, Nonrefillable. M. Kay. 2,066,889; Jan. 5.
Clutch: *See*—
Hydraulic clutch.
C Nitrotetrazole compounds. E. von Herz. 2,066,954; Jan. 5.
Coaster brake. F. Winkler. 2,066,504; Jan. 5.
Coating composition. L. N. Bent. 2,066,759; Jan. 5.
Coffee pot. J. E. Snelling. 2,066,807; Jan. 5.
Coil holder. R. J. Wean and D. A. McArthur. 2,066,377; Jan. 5.
Coke and gas in chamber ovens, Production of. C. Still. 2,066,704; Jan. 5.
Collapsible tube. F. Remington and L. S. Linderoth, Jr. 2,066,947; Jan. 5.
Collapsible tube container. N. R. McLeod. 2,066,792; Jan. 5.
Color-generating substance in rubber latex, Destruction of. J. Edwardes. 2,066,559; Jan. 5.
Comb adjusting mechanism for feeders. F. L. Furbush. 2,066,831; Jan. 5.
Concentrated products, Manufacture of. A. Pollak. 2,067,002; Jan. 5.
Condensation products of the azabenzanthrone series and making the same. M. A. Kunz and G. Kochendoerfer. 2,067,127; Jan. 5.
Condenser: *See*—
Electrolytic condenser.
Conductor. J. J. Gilbert. 2,066,525; Jan. 5.
Conductor support. S. S. Matthes. 2,066,790; Jan. 5.
Conduit for flexible shafts. E. B. Jorgensen. 2,066,473; Jan. 5.
Connecter: *See*—
Electrical connecter.
Connection, Clamp threaded. T. C. Schenk. 2,066,541; Jan. 5.
Container: *See*—
Collapsible tube container. Knock-down container.
Explosive container. Sealed container.
Containers, Vacuuming, gasifying, and situping. J. T. McCrosson. 2,066,356; Jan. 5.
Control and signaling system for railway installations, Remote. A. Becq and P. Nicolas. 2,066,513; Jan. 5.
Control apparatus. E. M. Miller. 2,066,413; Jan. 5.
Control apparatus for engine starters. H. L. Hartzell. 2,067,084; Jan. 5.
Control linkage for vehicles. A. F. Hickman. 2,066,350; Jan. 5.
Control of oscillators, Synchronous. A. E. Harper. 2,066,528; Jan. 5.
Control system. G. E. King. 2,067,153; Jan. 5.
Control system. N. H. Willby, F. B. Powers, and J. P. Shamberger. 2,066,920; Jan. 5.
Control system for strip mills and the like. G. E. Adams and E. C. Marshall. 2,066,872; Jan. 5.
Conveyer. H. P. Anderson. 2,066,756; Jan. 5.
Conveyer chain. S. Eggleston and D. F. Holbert. 2,066,723; Jan. 5.
Conveyer, Continuous flow. A. F. White. 2,066,866; Conveyer divider. C. H. Wild. 2,066,869; Jan. 5.
Conveyer, Portable sectional. M. J. Andrada. 2,066,383; Jan. 5.
Conveyer, Shaking. H. Grube. 2,067,122; Jan. 5.
Cooling apparatus. C. F. Ritchie, W. A. Gale, and W. H. Allen. 2,066 577; Jan. 5.
Core drill. J. H. Howard and A. C. Catland. 2,066,625; Jan. 5.
Corner construction for floor coverings and producing same, Noncurl. C. H. Masland, 2d. 2,066,639; Jan. 5.
Corset lacing construction. L. J. Mead. 2,066,536; Jan. 5.
Coupling: *See*—
Amplifier coupling. Automatic coupling.
Coupling between an air screw hub and a co-axial driving shaft, Elastic. S. M. Viale and H. N. Wylie. 2,067,109; Jan. 5.
Coupling system. D. E. Harnett. 2,066,777; Jan. 5.
Cover and wheel assembly. A. P. Fergueson. 2,066,678; Jan. 5.
Craft navigating apparatus. A. L. Ruiz. 2,066,949; Jan. 5.
Crate device, Pickling. C. G. Watson. 2,066,595; Jan. 5.
Crate, Pickling. C. G. Watson. 2,066,594; Jan. 5.
Croquet, Tilting. E. C. Allen. 2,067,005; Jan. 5.
Cuff of trousers. G. F. Holdren. 2,066,975; Jan. 5.
Cultivator, Power-operated. G. E. Becker. 2,066,666; Jan. 5.
Current transformer. F. J. Fischer. 2,066,396; Jan. 5.
Cut-out, Self-standing. A. H. Torme. 2,066,591; Jan. 5.
Cutter: *See*—
Pipe cutter. Stalk cutter.
Davenport, Convertible. R. M. Colman. 2,066,612; Jan. 5.
Deck support and trough. F. J. Westrope. 2,066,501; Jan. 5.
Defecator. W. C. Groeniger. 2,066,881–2; Jan. 5.
Defecator with integral evacuator. W. C. Groeniger. 2,066,883; Jan. 5.
Dental instrument. R. E. Barr. 2,066,313; Jan. 5.
Designs and the article produced thereby, Method and apparatus for applying. H. L. Page. 2,066,642; Jan. 5.
Desk, Typewriter. J. H. Bushnell. 2,066,608; Jan. 5.
Device for avoiding nonlinear distortion. W. Jacobi and R. Feldtkeller. 2,067,055; Jan. 5.
Device for holding and positioning railroad spikes. J. W. Ames. 2,066,382; Jan. 5.
Dies or punches, Making. J. J. Tomalis. 2,066,372; Jan. 5.
Directional ground relay. R. D. Evans. 2,066,932; Jan. 5.
Dishwashing device. R. Hetherington. 2,066,529; Jan. 5.
Disinfectant, Water-soluble seed. K. Memminger. 2,066,895; Jan. 5.
Disk-jointer attachment for plows. G. Schlensker. 2,066,487; Jan. 5.
Disk tool. F. O. Albertson. 2,066,381; Jan. 5.
Dispenser: *See*—
Liquid dispenser. Tape dispenser.
Dispensing apparatus. J. E. Fogarty. 2,066,397; Jan. 5.
Dispensing device. D. Mapes. 2,067,065; Jan. 5.
Dispensing unit. L. B. Whittaker. 2,066,868; Jan. 5.
Display apparatus. W. D. Appel and H. F. Schiefer. 2,066,310; Jan. 5.
Display device. H. Miles. 2,067,084; Jan. 5.
Display rack. A. M. Lewin, Jr. 2,066,478; Jan. 5.
Display table, Air conditioned. J. E. Bales. 2,066,312; Jan. 5.
Distance relay for the protection of electric plants. R. Wilcrse. 2,066,955; Jan. 5.
Distillation product. F. H. Bergeim. 2,066,386; Jan. 5.
Distributor lubrication. J. T. Fitzsimmons and J. L. Arthur. 2,067,079; Jan. 5.
Door construction. O. L. Dantrick. 2,066,558; Jan. 5.
Door for display cases, Sliding. H. E. Case. 2,067,118; Jan. 5.
Door for poultry trap nests. C. J. Lee. 2,066,738; Jan. 5.
Double grid electron tube and circuit. H. Lux. 2,067,156; Jan. 5.
Draft rigging. E. H. Blattner. 2,066,606; Jan. 5.
Draft yoke for railway cars. G. T. Johnson and H. W. Stertsbach. 2,066,471; Jan. 5.

Drain and flushing apparatus. G. Felice. 2,066,773; Jan. 5.
Drawer. E. M. Stevens. 2,066,655; Jan. 5.
Drawing mechanism for substantially elongated filaments. J. G. Oswald. 2,067,062; Jan. 5.
Dredge, Dragline. E. Osborne. 2,067,000; Jan. 5.
Drier: *See*—
Hair drier.
Drill: *See*—
Core drill. Star drill.
Drilling apparatus. J. C. Curtis. 2,066,927; Jan. 5.
Drill stem. F. Miller. 2,066,794; Jan. 5.
Drive for the picking devices for looms, Electric. F. Philly. 2,067,096; Jan. 5.
Driving and stopping mechanism. J. Gouldbourn, T. A. Kestell, and F. B. Keall. 2,066,344; Jan. 5.
Driving attachment. D. R. Holden. 2,067,010; Jan. 5.
Driving mechanism for shaking conveyers and the like. H. Cramer. 2,066,961; Jan. 5.
Drum, Hauling. A. Himmel. 2,066,779; Jan. 5.
Dyes of the cyanine series. W. Dieterle, W. Zeh, and W. Zerweck. 2,066,967; Jan. 5.
Dyestuffs and preparing them, Dioxazine. K. Thiess and F. Maennchen. 2,066,915; Jan. 5.
Dyestuffs of the anthraquinone series, Acid wool. K. Weinand. 2,066,707; Jan. 5.
Educational and amusement device. L. R. Beall. 2,066,818; Jan. 5.
Educational appliance. G. M. Wolfe. 2,066,871; Jan. 5.
Electric controlling apparatus. F. G. Logan. 2,067,143; Jan. 5.
Electric motor. C. W. Oipsch. 2,066,739–40; Jan. 5.
Electrical connecter. L. C. Doane. 2,066,770; Jan. 5.
Electrical control system. H. E. Young. 2,066,508; Jan. 5.
Electrical energy into acoustical energy, Converting. W. van B. Roberts. 2,067,021; Jan. 5.
Electrical measuring instrument. E. A. Nassa, Jr. 2,066,942; Jan. 5.
Electrical rectifier and detector system. S. Y. White. 2,067,033; Jan. 5.
Electrical signaling agent. S. B. Rogers. 2,067,098; Jan. 5.
Electrical system. D. W. Hinkel. 2,066,402; Jan. 5.
Electrode for gaseous conduction devices. D. S. Gustin. 2,067,141; Jan. 5.
Electrolytic condenser. S. Ruben. 2,066,912; Jan. 5.
Electromagnetic machine. G. A. Gillen. 2,066,343; Jan. 5.
Elevator. W. F. Eames. 2,066,930; Jan. 5.
Elevator control system. H. W. Williams, C. F. Carney, and E. W. Jones. 2,066,921; Jan. 5.
Elevator signaling system. D. Lewy. 2,066,841; Jan. 5.
Elevator system. E. M. Bouton and H. W. Williams. 2,066,908; Jan. 5.
Elevator system. E. M. Bouton and W. F. Eames. 2,066,909; Jan. 5.
Endorsing machine. C. W. Gray and R. C. String. 2,066,466; Jan. 5.
Engine: *See*—
Internal combustion engine.
Engine cooling means. R. B. Belsel. 2,067,041; Jan. 5.
Engine cylinder liner. F. W. Severin and T. H. Venn. 2,066,580; Jan. 5.
Engine structure, Internal combustion. R. Daub. 2,066,394; Jan. 5.
Engine synchronizing system, Aircraft. W. S. Berry. 2,066,819; Jan. 5.
Engines, Cooling of heat. M. Vuilleme. 2,066,661; Jan. 5.
Envelope. W. E. Swift. 2,066,495; Jan. 5.
Etching, Method and apparatus for electrical. W. Taylor. 2,066,588; Jan. 5.
Explosive container. W. F. Lux. 2,066,634–5; Jan. 5.
Eye protective device. D. E. Kimball. 2,066,838; Jan. 5.
Fabric: *See*—
Knitted fabric.
Fabrics, Apparatus for and method of coating. D. S. Holt. 2,066,780; Jan. 5.
Farm machinery. J. E. Carlin. 2,066,610; Jan. 5.
Farming apparatus. F. L. Tucker. 2,066,864; Jan. 5.
Fastener: *See*—
License tag fastener.
Fastening device. F. W. Williams. 2,066,813–4; Jan. 5.
Faucets, Attachment for beverage dispensing. C. L. Cruver. 2,066,877; Jan. 5.
Feeder attachment. R. V. Mellor and W. W. Remer. 2,066,641; Jan. 5.
Felt, Paper maker's drier. T. Hindle and S. Lord. 2,066,974; Jan. 5.
Fence structure, Composite. E. R. Skilnik. 2,066,426; Jan. 5.
Fender for automobiles. A. Grigas. 2,066,468; Jan. 5.
Fertilizer distributor. J. T. Urquhart. 2,066,953; Jan. 5.
Fibrous material, Insect and fungi toxic. G. H. Ellis. 2,067,047; Jan. 5.
Filaments of viscose, Desulphurizing artificial. A. E. Stein. 2,066,371; Jan. 5.
Filaments or the like, Production or treatment of artificial. P. F. C. Sowter. 2,066,492; Jan. 5.
Film clip. G. Kunz. 2,066,732; Jan. 5.
Film hub, Expansible. J. C. Jones. 2,066,568; Jan. 5.
Film, Manufacture of photographic. G. F. Nadeau. 2,066,850; Jan. 5.
Filter. F. Mesurac. 2,066,793; Jan. 5.
Filter for radio sets. F. Keller. 2,066,690; Jan. 5.
Finder for locks, Combination. L. C. Rial. 2,066,645; Jan. 5.
Finger-print detection. F. F. Lucas. 2,066,535; Jan. 5.
Fire extinguisher. W. L. Roessner. 2,066,648; Jan. 5.
Fire extinguisher, Foam. C. F. Smith. 2,066,546; Jan. 5.
Fish-boning device. H. L. Nelms. 2,066,417; Jan. 5.
Fish lure. W. J. De Witt. 2,066,458; Jan. 5.
Fish lure. R. B. Worden. 2,066,815; Jan. 5.
Fishing reel. W. Shakespeare, Jr. 2,067,067; Jan. 5.
Fixing device for sliding clasp fasteners. K. F. Nagele. 2,066,359; Jan. 5.
Flask, Foundry slip. W. J. Spensley. 2,066,547; Jan. 5.
Floor for ice skating rinks. J. A. Stromberg. 2,066,656; Jan. 5.
Flour dusting mechanism, Dough-piece controlled. E. T. Parsons. 2,066,829; Jan. 5.
Flue baffle for heating apparatus. G. F. Wales. 2,067,133; Jan. 5.
Fluid pressure brake. A. Neveu. 2,066,573; Jan. 5.
Fluid straining method and apparatus. V. W. Mac Isaac. 2,066,479; Jan. 5.
Flush valve. O. R. Muller. 2,066,796; Jan. 5.
Food concentrates, Preparing. B. P. Pilorz and B. J. Butler. 2,066,574; Jan. 5.
Foot-balls, basket-balls, or like inflatable balls, Apparatus for treating. B. Kosmer. 2,067,154; Jan. 5.
Foreign material from air, Apparatus for removing. J. D. Schmieg. 2,066,913; Jan. 5.
Forging machine. P. H. Nast. 2,066,360; Jan. 5.
Form, Adjustable head size. R. A. Bowland. 2,066,713; Jan. 5.
Formaldehyde, Making. B. L. Hasche. 2,066,622; Jan. 5.
Fuel. C. A. Woodbury and W. E. Lawson. 2,066,506; Jan. 5.
Fuel apparatus for burning liquid. R. M. Sherman. 2,066,651; Jan. 5.
Fuel briquet and making the same, Solid. A. J. Decker. 2,066,457; Jan. 5.
Fuel, Device for conveying high-volatile. T. V. Dillström. 2,066,673; Jan. 5.
Fuel injector. O. Schlaupits. 2,067,131; Jan. 5.
Fuels, Atomization and delivery of highly viscous hydrocarbon. T. J. Stephens. 2,066,703; Jan. 5.
Fume remover, Portable. N. Grubelic. 2,066,683; Jan. 5.
Fur skins and the like, and resulting products, Method and apparatus for pointing. C. Sonman. 2,067,163; Jan. 5.
Furnace: *See*—
Superheating induction furnace.
Furnace and method for heating fluids. J. G. Alther. 2,066,664; Jan. 5.
Game. G. H. Forsyth. 2,066,724; Jan. 5.
Game, Battle board tennis. M. K. Browne. 2,067,071; Jan. 5.
Game table. J. A. Wurzer. 2,066,816; Jan. 5.
Garment. O. A. Berman. 2,066,324; Jan. 5.
Garter grip. J. Wratschko. 2,066,957; Jan. 5.
Gas pressure maintaining device. A. Musso. 2,066,358; Jan. 5.
Gas process, Carbureted water. J. S. Haug, H. G. Tersian, and J. A. Perry. 2,067,052; Jan. 5.
Gases, Manufacturing. H. J. Carson. 2,066,670; Jan. 5.
Gate: *See*—
Starting gate.
Gate with self-aligning spiked stall partitions, Starting. A. T. J. Bahr. 2,066,448; Jan. 5.
Gear: *See*—
Change speed gear.
Gear drive, Flexible. C. W. Skeen. 2,066,805; Jan. 5.
Gear hobs and the like, Testing of. J. Neufeld. 2,066,999; Jan. 5.
Gear shifting apparatus. J. Grisenti. 2,066,527; Jan. 5.
Girders, Construction of metal. D. Birkin. 2,066,388; Jan. 5.
Glare eliminating system. M. W. and P. F. Gieskieng. 2,066,680; Jan. 5.
Glass, Apparatus for and method of delivering molten. G. E. Howard. 2,067,142; Jan. 5.
Glass, Decorating. G. B. Watkins. 2,066,497; Jan. 5.
Glove. S. M. Straus. 2,066,428; Jan. 5.
Glowlamp. S. E. Gertler. 2,066,833–4; Jan. 5.
Golf club. C. Wright. 2,066,442; Jan. 5.
Grain structure in alloys and articles produced thereby, Controlling. C. M. Craighead. 2,067,076; Jan. 5.
Grinder, Feed. G. C. J. Gray. 2,066,621; Jan. 5.
Grinding machinery. S. Einstein. 2,066,677; Jan. 5.
Gun. G. M. Barnes. 2,066,319; Jan. 5.
Gunfire control apparatus. J. P. Watson. 2,066,498; Jan. 5.
Gusset, Making a reenforced. O. J. Olm. 2,066,897; Jan. 5.
Hair curling and securing device. J. H. Adams. 2,066,709; Jan. 5.
Hair drier. R. McShea. 2,066,847; Jan. 5.
Hammer mill. C. E. Everett. 2,066,615; Jan. 5.
Handcuff. Y. Smith-Stange. 2,066,654; Jan. 5.
Handle for instruments. W. J. Cameron. 2,066,328; Jan. 5.
Hanger bracket. J. Ritter, Jr. 2,066,646; Jan. 5.
Hanger for trousers. C. C. Cathey. 2,066,765; Jan. 5.
Heat control for stove ovens, Thermostatic. I. V. Brumbaugh. 2,066,821; Jan. 5.

Heat polymerization. W. H. Carmody. 2,067,073; Jan. 5.
Heat treatment of cast drill bits. W. C. Rea. 2,066,853; Jan. 5.
Heat treatment of composite bearings. C. C. Moffatt. 2,067,061; Jan. 5.
Heater: *See*—
Car heater. Oil heater.
Injector heater.
Heater and wiper for windshields. C. K. Knight. 2,067,011; Jan. 5.
Heater for hot gases, Unit. C. L. Gehnrich. 2,066,524; Jan. 5.
Heating electrically conducting bodies for industrial operations. E. Bennett. 2,066,668; Jan. 5.
Heating plant. R. Pabst. 2,067,063; Jan. 5.
Heating system. F. E. Wooley. 2,067,070; Jan. 5.
Heteropolar compounds and producing the same. W. Schrauth. 2,066,542; Jan. 5.
Hinge: *See*—
Hood hinge.
Hinge. J. Bloom. 2,067,042; Jan. 5.
Hitch and brake, Trailer. J. V. Linsowe. 2,066,893; Jan. 5.
Holder: *See*—
Bottle holder.
Card holder. Tank cap holder.
Coil holder. Thermometer holder.
Ornamental tie holder.
Holder for articles. L. N. Clark. 2,066,768; Jan. 5.
Holder for cosmetics or the like. A. Limbach. 2,066,534; Jan. 5.
Holder for flags and the like. F. S. Schmid and J. S. Bitner. 2,067,024; Jan. 5.
Holder for paper match folders. C. A. Marien. 2,066,638; Jan. 5.
Holder for pencils and the like. J. C. Matson. 2,066,992; Jan. 5.
Hood hinge. C. P. Albert. 2,066,444; Jan. 5.
Hosiery knitting machine. A. Lolmann. 2,066,843; Jan. 5.
Humidifier. F. N. Smith. 2,066,653; Jan. 5.
Humidifying and temperature control apparatus for citrus fruit storages and like structures. N. H. Gay. 2,066,832; Jan. 5.
Hydraulic clutch. J. A. Bascle and W. H. Berry. 2,066,450; Jan. 5.
Hydrocarbons and alkyl esters from mixtures thereof, Separating and recovering. W. Engs. 2,066,461; Jan. 5.
Hydrogenation and dehydrogenation. M. D. Taylor. 2,066,496; Jan. 5.
Hydrogenation process for producing hydroxy acids and lactones. W. A. Lazier. 2,066,533; Jan. 5.
Hydroquinone manufacture. J. Schumacher. 2,066,951; Jan. 5.
Ice making apparatus. W. H. Taylor. 2,066,431; Jan. 5.
Ignition system, High tension. B. M. Caln. 2,066,959; Jan. 5.
Image-forming system. E. H. Unkles. 2,066,435; Jan. 5.
Implement attachment. R. F. Henn. 2,066,886; Jan. 5.
Impregnating apparatus. W. C. Wright. 2,066,379; Jan. 5.
Incandescent lamp. R. M. Zabel. 2,067,134; Jan. 5.
Inhaler, Rhythmic. M. B. George. 2,067,120; Jan. 5.
Inking mechanism. H. A. Swanson. 2,066,863; Jan. 5.
Injector heater. J. C. White. 2,066,867; Jan. 5.
Insecticide and making the same. L. N. Markwood. 2,066,941; Jan. 5.
Insecticide, Making pyrethrin. 2,066,737; Jan. 5.
Instrument for insertion into constricted body cavities. F. C. Wappler. 2,067,031; Jan. 5.
Insulated rail joint. H. Oettinger. 2,066,797; Jan. 5.
Insulation. C. G. Munters. 2,067,015; Jan. 5.
Insulation, Making cork. L. R. Lee. 2,066,988; Jan. 5.
Intake for railway cars, Fresh air. W. J. Madden. 2,067,144; Jan. 5.
Internal combustion engine. H. C. Edwards. 2,066,722; Jan. 5.
Internal combustion engine. M. J. Goldberg. 2,067,049; Jan. 5.
Iron alloy roll, Chill cast. P. D. Merica, J. S. Vanick, and T. H. Wickenden. 2,066,818; Jan. 5.
Jack: *See*—
Ladder jack.
Jack presser for knitting machines. W. A. Ingalls. 2,066,470; Jan. 5.
Joint: *See*—
Insulated rail joint. Swing joint.
Joint. R. F. Peo. 2,066,695; Jan. 5.
Joint and manufacture, Enameled. C. J. Rodman. 2,066,647; Jan. 5.
Journals, Protecting and lubricating. C. I. Walker. 2,066,593; Jan. 5.
Kaleidoscope. C. W. Thompson. 2,066,548; Jan. 5.
Keeper device for door latches. G. W. Wells. 2,066,438; Jan. 5.
Key carrier. W. D. Gladstone. 2,066,526; Jan. 5.
Key case, Releasable ignition. R. H. Johnson. 2,066,472; Jan. 5.
Key mechanism for accordions, Shift. M. B. Luttbeg. 2,066,633; Jan. 5.
Knitted fabric. V. Lombardi. 2,066,408; Jan. 5.
Knitting machine. H. McAdams. 2,066,845; Jan. 5.
Knitting machine, Circular. A. S. Winter and T. Jackson. 2,066,440; Jan. 5.
Knitting, Mechanism for. A. Graenz. 2,066,682; Jan. 5.
Knock-down container. A. J. Weiss. 2,066,753; Jan. 5.
Lacquer, Nonsagging brushing. G. H. Pickard. 2,066,643; Jan. 5.
Ladder. E. W. I. Lundström. 2,066,990; Jan. 5.
Ladder jack. B. F. Fenton. 2,066,462; Jan. 5.
Lamp: *See*—
Glow lamp. Portable electric lamp.
Incandescent lamp.
Lamp. J. F. Koca. 2,066,981; Jan. 5.
Lamp switch. W. C. Edwards. 2,067,077; Jan. 5.
Lamps, Reclaiming electric. C. Birdseye. 2,067,150; Jan. 5.
Lantern, Electric hand. G. W. Younkman and R. L. Darling. 2,066,510; Jan. 5.
Leer, Annealing. E. L. Walters. 2,066,376; Jan. 5.
Leg supporting device. J. T. Shaw. 2,067,101; Jan. 5.
Lenses, Device for cementing optical. H. A. Jahraus. 2,066,936; Jan. 5.
Leveling rod, Self-computing. L. W. Lautermilch. 2,066,785; Jan. 5.
License tag fastener, Safety. A. T. Padavic, Jr. 2,066,694; Jan. 5.
Light-sensitive material and producing pictures. G. von Poser and R. Franke. 2,066,918; Jan. 5.
Light sensitive materials, Manufacture of. W. Dieterle, W. Zeh, and W. Zerweck. 2,066,966; Jan. 5.
Light sign device. G. Tilles. 2,066,549; Jan. 5.
Lighting fixture, Indirect. L. C. Doane. 2,066,771; Jan. 5.
Lighting fixture of the indirect type, Street. J. L. Le Gorre. 2,066,631; Jan. 5.
Lighting unit. C. A. B. Halvorson. 2,066,973; Jan. 5.
Link support. C. C. Sidwell. 2,066,425; Jan. 5.
Liquid dispenser. L. E. Ier. 2,066,977; Jan. 5.
Liquid dispenser and cooler. J. S. Rosado. 2,066,948; Jan. 5.
Liquid dispensing device. C. S. De Witt. 2,066,827; Jan. 5.
Liquid fuel burner. R. M. Sherman. 2,066,652; Jan. 5.
Liquors, Elimination of poisonous waste. P. Van Ackeren. 2,067,029; Jan. 5.
Lock. C. J. Disis. 2,066,393; Jan. 5.
Lock for pipe couplings. S. Talaga. 2,067,028; Jan. 5.
Lock with electrical switch control, Combination. G. T. Hosking. 2,067,125; Jan. 5.
Locking and clamping device. S. W. Ziembinski. 2,066,380; Jan. 5.
Locking system for doors and windows. A. P. Vazques. 2,066,705; Jan. 5.
Loom. W. D. Kellogg and J. Fradenburgh. 2,066,532; Jan. 5.
Lubricating device. H. P. Chandler. 2,066,766; Jan. 5.
Lubricating, Method and apparatus for. A. L. R. Bernard. 2,066,452; Jan. 5.
Machine for applying an intermediate strip and base to pile fabrics. H. H. Baynton and J. W. Foster. 2,066,316; Jan. 5.
Machine for bundling stacks of rings. H. Gora. 2,066,971; Jan. 5.
Machine for making bellows bags. G. W. Poppe. 2,067,017; Jan. 5.
Machine for making box or crate parts. C. S. Berkstresser. 2,066,551; Jan. 5.
Machine for removing moisture from absorbent pads. A. Palmieri. 2,067,001; Jan. 5.
Machine for testing fabrics. W. D. Appel and H. F. Schiefer. 2,066,311; Jan. 5.
Magazine and extension stock for automatic pistols, Combined. L. N. Nomar. 2,066,361; Jan. 5.
Magnesium and magnesium alloys, Production of refined. G. Schichtel. 2,066,579; Jan. 5.
Magnesium, Coating. H. J. Lodeesen. 2,066,842; Jan. 5.
Magnetic materials, Heat treating. W. M. Bishop. 2,066,515; Jan. 5.
Mailer. A. S. Ellner. 2,067,119; Jan. 5.
Manifold for multicylinder internal combustion engines. M. R. Wolfard. 2,066,922; Jan. 5.
Manifold system for multicylinder internal combustion engines. M. R. Wolfard. 2,066,923; Jan. 5.
Manual or automatic means for correcting timekeeping mechanism. G. R. McDonald. 2,066,357; Jan. 5.
Map duplicating machine. Relief. J. J. Braund. 2,066,555; Jan. 5.
Marking machine. C. H. Malben. 2,067,092; Jan. 5.
Match. H. W. Greider and M. F. Smith. 2,066,399; Jan. 5.
Match packet and making it. R. S. Pullen. 2,067,148; Jan. 5.
Material, Coated. C. F. Schmidt, Jr., and G. L. Ball. 2,067,066; Jan. 5.
Material handling apparatus. B. B. Brown. 2,066,456; Jan. 5.
Materials, Artificial. C. Dreyfus. 2,066,339; Jan. 5.
Materials, Decorating composition. K. Eichstädt. 2,066,341; Jan. 5.
Materials, Manufacture of light-sensitive. W. Dieterle, W. Zeh, and W. Zerweck. 2,066,968; Jan. 5.
Measuring device. W. M. Masi. 2,066,789; Jan. 5.
Measuring mechanism. F. M. Slough. 2,066,700; Jan. 5.
Mechanisms for the calculation of functions with several variables. J. Harlas. 2,066,884; Jan. 5.
Medicinal compound. E. C. Moore. 2,066,572; Jan. 5.
Metal closure. J. J. Noll and J. J. Williams. 2,066,481; Jan. 5.
Metal, Coating. V. M. Darsey. 2,067,007; Jan. 5.

Metalloscope. G. R. Fisher. 2,066,561; Jan. 5.
Metals for electrical purposes, Producing. A. Wimmer. 2,067,036; Jan. 5.
Metals from ores, etc., Recovering. C. R. Arnold. 2,067,006; Jan. 5.
Methyl ethers, Halogenated. H. S. Booth. 2,066,905; Jan. 5.
Mill: *See*—
Hammer mill. Rolling mill.
Mirror, Rear vision. D. F. Kronquist. 2,066,982; Jan. 5.
Molding apparatus. A. R. McCombs. 2,066,993; Jan. 5.
Molding, Rubber. F. N. Pickett. 2,066,798; Jan. 5.
Monetary economic situation, Apparatus for depicting a. W. E. Trent. 2,066,809; Jan. 5.
Motor: *See*—
Electric motor. Vernier motor.
Synchronous motor.
Motor. I. M. Levy and B. Kemp. 2,067,155; Jan. 5.
Mount, Turret gun. S. E. Brett and G. H. Rarey. 2,066,326; Jan. 5.
Mounting, Coil. C. D. Knowlton. 2,066,405; Jan. 5.
Mounting, Spinning ring. F. E. Banfield, Jr. 2,067,135; Jan. 5.
Mounting structure for magnetos. C. F. Reis. 2,066,696; Jan. 5.
Mower, Power gang lawn. A. P. Moyer. 2,067,158; Jan. 5.
Muffler. E. P. Gray. 2,066,467; Jan. 5.
Napkin and destructible folding basket, Combined. M. J. Morse. 2,066,849; Jan. 5.
Nautical angle-measuring and drawing instrument. A. Bade. 2,066,884; Jan. 5.
Net, Landing. W. E. Wine and W. Wyatt. 2,066,439; Jan. 5.
Network for tower lights. R. L. Davis. 2,066,028; Jan. 5.
Nickel by electrolytic deposition from nickel salt solutions, Production of. A. M. Grönningsaeter. 2,066,347; Jan. 5.
Novelty. J. Likes. 2,067,090; Jan. 5.
Nozzle for diesel engines, Pump and injector. A. Shumake. 2,066,860; Jan. 5.
Nut, Lock. C. C. Harbridge. 2,066,684; Jan. 5.
Oil burner. J. Smith and V. Duemler. 2,066,806; Jan. 5.
Oil burner. J. Smith and V. E. Duemler. 2,066,806; Jan. 5.
Oil, Dewaxing hydrocarbon. F. X. Govers. 2,067,050; Jan. 5.
Oil distillates, Treating mineral. A. J. Van Peski. 2,067,030; Jan. 5.
Oil heater. J. McKerrall. 2,066,480; Jan. 5.
Oil, Lubricating. B. H. Lincoln and A. Henriksen. 2,066,354; Jan. 5.
Oil, Process and apparatus for dewaxing. H. F. Fisher and B. G. Aldridge. 2,067,162; Jan. 5.
Oil, Solvent refining of mineral. L. A. Clarke. 2,067,137; Jan. 5.
Oil, Treatment of hydrocarbon. J. Delattre-Seguy. 2,066,697; Jan. 5.
Oils, Conversion of hydrocarbon. J. C. Morrell. 2,066,693; Jan. 5.
Oils, Dewaxing mineral. R. E. Manley. 2,067,128; Jan. 5.
Ores containing iron, Treatment of. T. F. Baily. 2,066,665; Jan. 5.
Ores, Cyanidation and flotation. J. M. Morris. 2,067,014; Jan. 5.
Ornament, Christmas tree. M. Pretzfelder. 2,067,018; Jan. 5.
Ornamental tie holder. I. R. Lederer. 2,067,058; Jan. 5.
Ornamented article and making the same. S. M. Straus. 2,066,747; Jan. 5.
Oscillations, Modulation of. H. E. Goldstine. 2,067,081; Jan. 5.
Oscillations, Producing. J. L. Reinartz. 2,066,902; Jan. 5.
Package and producing the same. K. C. Bugg. 2,066,516; Jan. 5.
Packet, Manifold record supply. W. Greig. 2,066,346; Jan. 5.
Page-form tie-up. C. F. Hanlen. 2,066,885; Jan. 5.
Paper clip. N. H. Siemer. 2,066,804; Jan. 5.
Paper into sizes, Winding and cutting. E. H. Janson and J. O. Nauclér. 2,066,566; Jan. 5.
Paper making machine. G. T. Lane and W. Butterfield. 2,066,570; Jan. 5.
Parallel inverter system. M. M. Morack. 2,066,995; Jan. 5.
Pens, Manufacturing. G. E. Bartol, Jr. 2,067,040; Jan. 5.
Perforator. E. E. Loring and J. Passafuma. 2,066,409; Jan. 5.
Phase modulation. H. E. Goldstine. 2,067,082; Jan. 5.
Phonograph, Portable. F. Schiler. 2,066,859; Jan. 5.
Photocomposing machine. A. T. Koppe. 2,066,890; Jan. 5.
Photographic printing. G. Heymer. 2,066,727; Jan. 5.
Phthalic anhydride recovery. R. Riegler. 2,067,019; Jan. 5.
Pigments, Treating. H. R. Minor. 2,067,060; Jan. 5.
Pinhole grinder. J. Sunnen. 2,066,586; Jan. 5.
Pipe: *See*—
Tobacco pipe.
Pipe cutter. W. L. Church. 2,066,767; Jan. 5.
Pipe arrangement for articulated locomotives, Steam exhaust. E. Steele. 2,066,370; Jan. 5.
Pipe fitting. R. E. Fritsch. 2,066,775; Jan. 5.
Pipe testing plug. N. Santucci. 2,066,650; Jan. 5.
Pipes, Method of lining. L. L. Wadsworth. 2,066,502; Jan. 5.
Piping, Soil and vent. H. A. Faber. 2,067,078; Jan. 5.
Piston. R. E. Day. 2,066,613; Jan. 5.
Piston. F. Rowntree and A. J. E. Kitts. 2,066,802; Jan. 5.
Piston oil pump. S. Q. Shannon. 2,066,489; Jan. 5.
Piston ring. M. J. Kwarta. 2,066,983; Jan. 5.
Pitter, Peach. P. Jepson. 2,066,567; Jan. 5.
Plastic materials, Apparatus for molding. W. M. McNeil. 2,066,846; Jan. 5.
Plate for railway truck journal boxes, Wear. H. H. Wolfe and J. S. McPherson. 2,066,441; Jan. 5.
Pliers. A. Cruickshank. 2,066,716; Jan. 5.
Plug: *See*—
Pipe testing plug.
Port for aircraft, Rotary. N. B. Geddes. 2,066,776; Jan. 5.
Portable electric lamp. G. Wheat. 2,066,811; Jan. 5.
Portable tool, Power operated. C. W. Ripsch. 2,066,741; Jan. 5.
Post: *See*—
Tubular post.
Post assembly, Terminal. G. H. B. West. 2,066,597; Jan. 5.
Power of human vision, Means or device for investigating correcting and developing the. R. B. Simpkins. 2,067,103; Jan. 5.
Precision instrument. P. E. Backmann. 2,066,446; Jan. 5.
Preheater and firing mixture gasifier. W. H. Dutbeit. 2,066,720; Jan. 5.
Preservative for animal and vegetable substances. J. Bleeck. 2,066,453; Jan. 5.
Press control mechanism. J. P. Daly. 2,067,045; Jan. 5.
Presser-lifter actuating device for sewing machines. W. A. Andres. 2,067,038; Jan. 5.
Printing-apparatus for lenticulated films. F. Fischer. 2,066,679; Jan. 5.
Printing machine. C. D. Ryan. 2,066,422; Jan. 5.
Printing mechanism. C. D. Lake and W. Pfaff. 2,066,784; Jan. 5.
Printing mechanism for tabulating machines. G. Tauschek. 2,066,748; Jan. 5.
Printing presses, Apparatus for operating cylinder. R. Stüssi. 2,066,429; Jan. 5.
Projection system. L. W. Bowen. 2,066,436; Jan. 5.
Prop, Mine. H. Toussaint and E. Heintzmann. 2,066,433; Jan. 5.
Propeller driving means, Multiple. G. R. Schleicher. 2,067,023; Jan. 5.
Protective system and method. W. H. Doherty. 2,066,522; Jan. 5.
Pulpstone. T. Larsson. 2,066,629; Jan. 5.
Pump: *See*—
Auger circulating pump. Piston oil pump.
Pump head, Turbine. J. M. Halt. 2,067,123; Jan. 5.
Punchboard. E. R. Haas. 2,066,469; Jan. 5.
Push rod assembly. C. J. Ashton. 2,067,114; Jan. 5.
Pyrethrum, Apparatus for treating and diffusing. W. S. Burgess and E. K. Golley. 2,066,607; Jan. 5.
Rack: *See*—
Bread rack. Sectional shoe rack.
Display rack. Shoe rack.
Rack. L. Cohen. 2,066,822; Jan. 5.
Rack. J. C. Hall. 2,067,051; Jan. 5.
Rack attachment, Towel. C. S. Comstock. 2,066,335; Jan. 5.
Radio receiving system. W. R. Koch. 2,066,940; Jan. 5.
Rake, Side delivery. A. E. Rutter. 2,067,130; Jan. 5.
Rake, Tractor sweep. J. E. Murphy. 2,066,537; Jan. 5.
Range finding device. J. P. Watson. 2,066,499; Jan. 5.
Ratchet recliner seat-back mechanism. C. E. Preble. 2,066,901; Jan. 5.
Razor, Electrical safety. P. A. Caporale. 2,067,072; Jan. 5.
Razor, Safety. C. B. Janes. 2,066,837; Jan. 5.
Receiver or recorder, Power operated. W. S. Lemmon. 2,066,786; Jan. 5.
Record controlled machine, Perforated. M. Maul. 2,067,157; Jan. 5.
Record with display device, Synchronizing sound reproducing. L. C. Phelps. 2,066,538; Jan. 5.
Recorder: *See*—
Stock line recorder.
Recording device. W. Eissfeldt. 2,066,880; Jan. 5.
Recording mechanism. E. M. Allen. 2,066,309; Jan. 5.
Recording, System of. L. A. De Berard and G. T. Martin, 2,066,672; Jan. 5.
Rectifier, Mercury vapor. R. M. Heintz. 2,067,053; Jan. 5.
Rectifying system. H. E. Young. 2,066,509; Jan. 5.
Reel: *See*—
Fishing reel.
Refractory bodies. G. E. Sell. 2,066,543; Jan. 5.
Refrigerating apparatus. J. J. Spengler. 2,067,004; Jan. 5.
Refrigeration. F. L. Chase. 2,066,334; Jan. 5.
Refrigeration. A. R. Thomas. 2,066,660; Jan. 5.
Regulating system. F. H. Gulliksen. 2,066,934; Jan. 5.
Regulating system. La V. R. Philpott. 2,066,943; Jan. 5.
Regulating system. C. P. West. 2,066,919; Jan. 5.

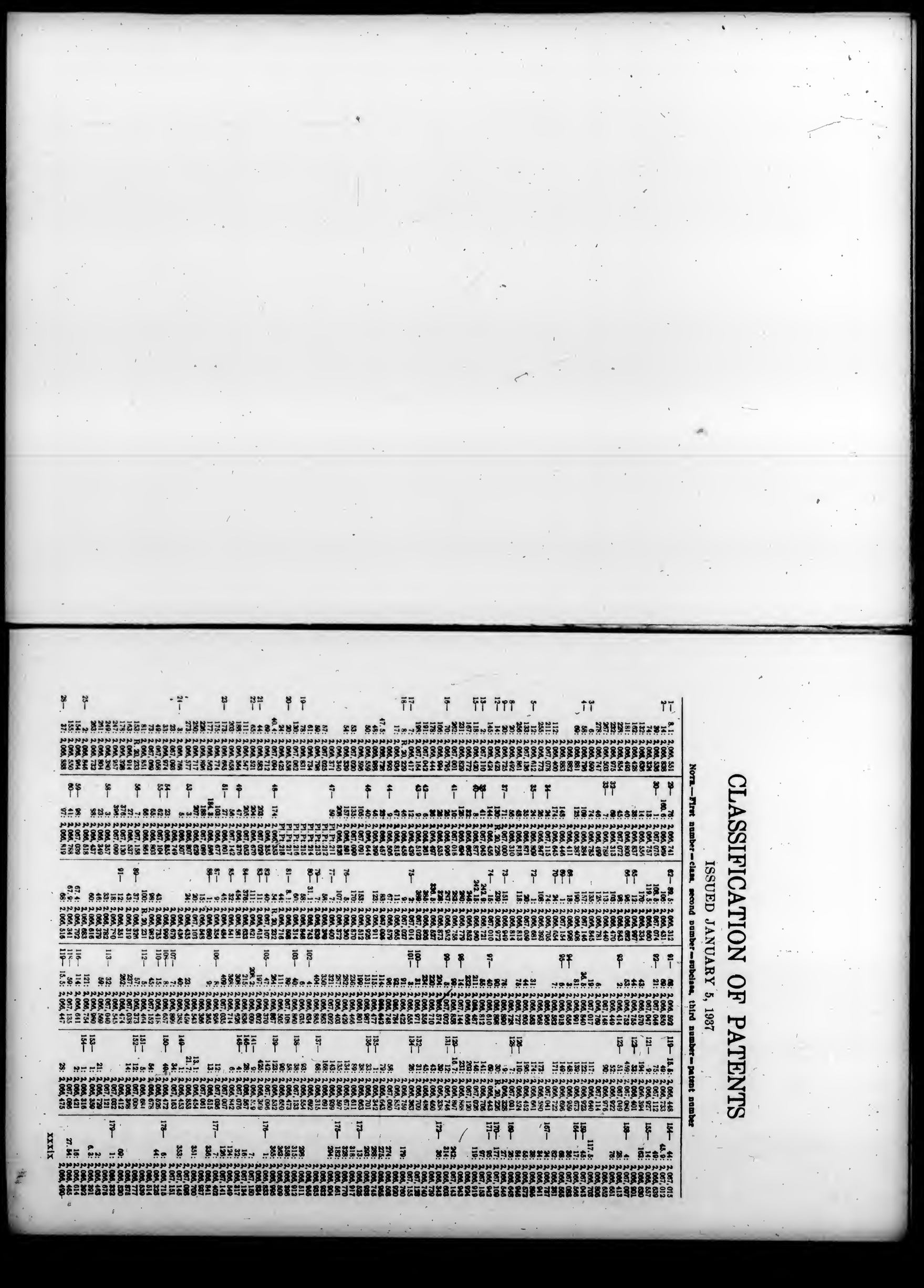
Regulator: *See*—
Automatic temperature reg
Regulator control system. E. R. Wolfert. 2,066,924; Jan. 5.
Relay. O. T. McIlvaine. 2,066,894; Jan. 5.
Resin and producing, Synthetic. I. W. Humphrey. 2,067,054; Jan. 5.
Resinous compositions. G. D. Patterson. 2,066,363; Jan. 5.
Respirator. N. Schwartz. 2,067,026; Jan. 5.
Respiratory protective apparatus. W. E. Watters. 2,066,706; Jan. 5.
Restaurant apparatus. T. Warner. 2,066,865; Jan. 5.
Retaining device. G. A. Auer. 2,067,039; Jan. 5.
Retort and retort setting. C. F. Hawke. 2,067,085; Jan. 5
Rheostat. D. F. Hastings. 2,066,835; Jan. 5.
Ribbon and making the same, Ink. S. A. Neidich. 2,066,416; Jan. 5.
Ribbon, Carbon transfer. G. T. Hudspeth. 2,066,687; Jan. 5.
Ring: *See*—
Piston ring.
Rod: *See*—
Leveling rod.
Roll. R. J. Wilkie. 2,066,755; Jan. 5.
Roll and making the same, Rubber covered. S. B. Ward. 2,066,752; Jan. 5.
Roller bit. A. C. Catland. 2,066,671; Jan. 5.
Rolling mill. H. L. Schreck and A. K. Hamilton. 2,066,743; Jan. 5.
Rubber, Expanded. D. Roberts. 2,067,020; Jan. 5.
Rug making. H. L. Shuttleworth. 2,066,545; Jan. 5.
Saddle girth. A. J. Robertson. 2,066,855; Jan. 5.
Salt of imidodicarboxylic acid, Producing the disodium. R. B. MacMullin. 2,067,013; Jan. 5.
Salts of polybasic acids, Alkoxyalkyl mercuric; F. Schönhöfer and W. Bonrath. 2,066,367; Jan. 5.
Salts, Solid diazo. K. Schnitzspahn and W. Koch. 2,067,132; Jan. 5.
Scaffold. C. K. Lahb. 2,066,984; Jan. 5.
Scale. J. W. Bryce. 2,066,762; Jan. 5.
Scale, Material controlling. J. W. Bryce. 2,066,763; Jan. 5.
Scale, Weighing. H. W. Hem. 2,066,624; Jan. 5.
Scissors. M. Bailey. 2,066,757; Jan. 5.
Screening apparatus and the like. W. J. Parks. 2,066,362; Jan. 5.
Screening device. H. R. Rafton. 2,066,364; Jan. 5.
Screw. H. F. Phillips. 2,066,484; Jan. 5.
Seal and its manufacture, Safety tube. C. J. Westin. 2,066,754; Jan. 5.
Seal, Strap. F. L. McGary. 2,067,093; Jan. 5.
Sealed container. E. M. Carhart. 2,067,117; Jan. 5.
Sealing composition. H. L. Brownback. 2,066,958; Jan. 5.
Seam ripper. P. Browning. 2,066,556; Jan. 5.
Seat: *See*—
Vehicle seat.
Seat structure. H. S. Leader and H. P. Nordmark. 2,066,630; Jan. 5.
Sectional shoe rack. L. Cohen. 2,066,823; Jan. 5.
Seesaw, Portable rotary adjustable. J. B. Muse. 2,066,736; Jan. 5.
Selenium cell. A. Christy. 2,066,611; Jan. 5.
Self-lubricating bearing, Heat responsive. R. H. Whiteley. 2,067,034; Jan. 5.
Separator and spacer for storage battery plates. W. E. Kershaw. 2,066,939; Jan. 5.
Separators, Making porous. A. A. West. 2,066,596; Jan. 5.
Sewage treatment apparatus. A. C. Durdin, Jr. 2,067,161; Jan. 5.
Sewing machine, Lockstitch. L. E. Topham. 2,066,373; Jan. 5.
Shaft for golf clubs or the like. L. Cross. 2,066,962; Jan. 5.
Shaving head for razors. O. V. Rodrigues. 2,066,800; Jan. 5.
Shearing, Method and apparatus for. L. Iversen. 2,066,565; Jan. 5.
Sheathing or covering for pipes and applying same, Protective. R. E. Kramig and R. E. Kramig, Jr. 2,066,475; Jan. 5.
Sheet, Laminated. K. Ripper. 2,066,421; Jan. 5.
Sheet measuring and sorting device, Automatic. H. C. Snyder. 2,066,702; Jan. 5.
Sheets from urea formaldehyde resins, Producing. S. Goldschmidt, E. Gerlach, W. Beuschel and A. Müller. 2,066,726; Jan. 5.
Shield, Deflector. J. R. Thorp. 2,066,589; Jan. 5.
Shingle. J. B. Stevens. 2,066,657; Jan. 5.
Shock absorber. E. Richter. 2,066,576; Jan. 5.
Shoe, Brake. A. Nelson. 2,067,159; Jan. 5.
Shoe holder bracket. L. Cohen. 2,066,824; Jan. 5.
Shoe rack. W. C. Pease. 2,067,005; Jan. 5.
Shoe upper lacing machine. J. Fossa. 2,066,464; Jan. 5.
Shoe uppers, Lacing. F. A. Keaney. 2,066,474; Jan. 5.
Shoe, Wearing. F. Schaefer. 2,066,578; Jan. 5.
Shoes, Manufacture of. A. R. Schoenky. 2,066,423–4; Jan. 5.
Signal: *See*—
Time signal.
Signal and control system, Elevator. H. D. James. 2,066,937; Jan. 5.
Signal and control system for elevators. E. M. Bouton and W. F. Eames. 2,066,906; Jan. 5.
Signal and control system for elevators. E. M. Bouton and H. W. Williams. 2,066,907; Jan. 5.
Silicate and preparing same, Organic mercury. F. Schönhöfer and W. Bonrath. 2,067,100; Jan. 5.
Silk, Manufacture of artificial. H. L. Barthelemy. 2,066,385; Jan. 5.
Slab, Crossing. E. C. Alexander. 2,067,037; Jan. 5.
Slimes, Settling inorganic mineral. A. M. Herbsman. 2,066,778; Jan. 5.
Slot mechanism. E. J. Brown. 2,066,820; Jan. 5.
Sludge disposal plant. R. F. O'Mara. 2,066,416; Jan. 5.
Sludges, Treating. E. W. Gard. 2,066,933; Jan. 5.
Socket, Tubing and sucker rod fishing. F. J. Hinderliter. 2,067,009; Jan. 5.
Solvent fractionation. W. B. Kay. 2,066,686; Jan. 5.
Sound record, Printing. G. Heymer. 2,066,728; Jan. 5.
Speed drive mechanism, Variable. L. R. Evans. 2,066,560; Jan. 5.
Speed system, Uniform. E. Janetschke. 2,066,938; Jan. 5.
Spindle and holding same. A. Marchev. 2,066,637; Jan. 5.
Spinner head. L. B. Koch. 2,066,840; Jan. 5.
Spreader, Knicker turn-up. M. Reich. 2,066,854; Jan. 5.
Spring: *See*—
Upholstery spring.
Spring tester. J. Sunnen. 2,066,585; Jan. 5.
Sprinkler. F. M. Holden. 2,066,531; Jan. 5.
Stalk cutter. P. W. Spell. 2,067,104; Jan. 5.
Stamp vending and advertising machine, Combined. C. M. Wheeler. 2,066,662; Jan. 5.
Stamping apparatus, Electromagnetic. J. A. Jonsson. 2,066,403; Jan. 5.
Stand for display trays and the like. A. A. Wright. 2,066,378; Jan. 5.
Standpipe, Portable. J. T. Corley. 2,067,044; Jan. 5.
Stand structure, Display. H. E. Lynch. 2,066,844; Jan. 5.
Star drill. L. A. Smith. 2,066,427; Jan. 5.
Starting gate. A. T. J. Bahr. 2,066,447; Jan. 5.
Statues similar to objects, Manufacturing. I. Morioka. 2,066,996; Jan. 5.
Stay, Collar. B. B. Manaster. 2,066,636; Jan. 5.
Steam, Method and apparatus for purifying wet. E. M. Frankel. 2,067,080; Jan. 5.
Steel products, Improving the structure of. F. Bartscherer. 2,066,314; Jan. 5.
Stem for electron discharge devices. G. M. Rose, Jr. 2,066,856; Jan. 5.
Stencil device, Progressive. M. A. Levin. 2,066,477; Jan. 5.
Still, Oil. J. H. Lawrence. 2,067,050; Jan. 5.
Stock line recorder. C. G. Bigelow, O. C. Callow, and W. C. Schofield. 2,066,387; Jan. 5.
Stocking package. H. C. Aberle. 2,067,111; Jan. 5.
Stoker. W. L. Gotwals, Jr. 2,067,152; Jan. 5.
Stone material, Making silica. H. Salmang and B. Wentz. 2,066,366; Jan. 5.
Stone, Tridymite. H. Salmang and B. Wentz. 2,066,365; Jan. 5.
Stop device for automobile lifts, Wheel. E. B. Thompson. 2,066,916; Jan. 5.
Stop mechanism for knitting machines. H. W. Porter and J. W. Bashore. 2,067,146; Jan. 5.
Storage battery. C. J. Dunzweiler. 2,066,675; Jan. 5.
Striping or banding machine. A. Johnson and R. H. Johnson. 2,066,351; Jan. 5.
Strips end to end, Welding. R. E. Kinkead. 2,066,569; Jan. 5.
Sulphur dioxide, Production of. T. V. Fowler. 2,066,562; Jan. 5.
Sulphur dioxide, Production of. T. V. Fowler and H. F. Merriam. 2,066,774; Jan. 5.
Sulphur dioxide, Production of. C. F. Silsby. 2,067,027; Jan. 5.
Sulphur dioxide, Reduction of. H. F. Merriam. 2,066,896; Jan. 5.
Superheating induction furnace. J. R. Wyatt. 2,067,110; Jan. 5.
Support: *See*—
Conductor support.
Link support.
Suspender slide. J. G. Wolff. 2,067,069; Jan. 5.
Swing joint. C. G. Banks. 2,066,711; Jan. 5.
Switch: *See*—
Lamp switch.
Switch. O. A. Friend. 2,066,465; Jan. 5.
Switch. P. W. Sheatsley. 2,066,490–1; Jan. 5.
Switch for vehicles, Automatic safety. E. D. Lawson. 2,067,057; Jan. 5.
Switch operating system, Protected. H. E. Brashares. 2,066,455; Jan. 5.
Synchronous motor, Self starting, stopping reversible. E. Blamberg. 2,066,760; Jan. 5.
Table: *See*—
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Game table.
Tabulating machine. C. Campbell. 2,066,764; Jan. 5.
Tabulating machine. U. Kölm. 2,066,783; Jan. 5.
Tabulating machine. W. W. Lasker. 2,066,406–7; Jan. 5.
Tabulator mechanism. J. F. Koca. 2,066,979; Jan. 5.
Tamping implement. O. Mueller. 2,066,997; Jan. 5.
Tank cap holder. W. V. Noyes and J. P. Kalteux. 2,066,851; Jan. 5.

Tank cleaning device. E. F. Stevens and F. A. Allen. 2,067,105; Jan. 5.
Tank safety valve. H. C. Bauer and G. R. Parker. 2,066,315; Jan. 5.
Tape coil winder. E. S. Larson and H. A. Wahlstrand. 2,066,891; Jan. 5.
Tape dispenser, Selective-length. T. R. Gautier. 2,066,619; Jan. 5.
Tape dispensing means, Gummed. T. R. Gautier. 2,066,617–8; Jan. 5.
Telecommunication system, Electrostatic. W. G. H. Finch. 2,066,463; Jan. 5.
Telegraph repeater. W. W. Cramer. 2,066,520; Jan. 5.
Telephone signal device. H. E. Treworgy. 2,066,434; Jan. 5.
Telephone station, Pay. R. D. Collins, W. M. Reid, and S. E. Bourne. 2,066,391; Jan. 5.
Telephone station, Pay. R. D. Collins and S. F. Crane. 2,066,392; Jan. 5.
Telephone system. W. Whitney. 2,066,502; Jan. 5.
Television apparatus. V. M. Centeno. 2,066,715; Jan. 5.
Terpene-oxide preparations, Stabilized. S. Deichsel. 2,066,717; Jan. 5.
Theft of gasoline from fuel tanks, Device for preventing. J. A. Fenton. 2,066,830; Jan. 5.
Thermal protective system. M. W. Bartmess. 2,066,904; Jan. 5.
Thermal treatment of light metals and light metal alloys. K. Bonath and C. Albrecht. 2,066,454; Jan. 5.
Thermometer holder. H. M. Packer. 2,067,016; Jan. 5.
Thermostat. W. A. Ray. 2,066,738; Jan. 5.
Thermostatic compensating device for fluid meters. A. J. Granberg. 2,066,972; Jan. 5.
Thread thickness, Method and apparatus for determining. H. P. Luhn. 2,066,411; Jan. 5.
3-nitro- and 3-amino-derivatives of 4,6-diaminoquinolines. H. Jensch. 2,066,730; Jan. 5.
Throat for fluid passages, Variable. W. W. Shaw. 2,066,544; Jan. 5.
Tile structures, Making. G. Désagnat. 2,066,964; Jan. 5.
Tiltable window ventilator. J. Sannita. 2,066,858; Jan. 5.
Time delay relay. C. C. Ralph. 2,066,575; Jan. 5.
Time signals, Apparatus for broadcasting. J. F. Hellweg and P. Sollenberger. 2,066,349; Jan. 5.
Timepiece. E. L. Carlson. 2,066,518; Jan. 5.
Toaster and grill, Combined. W. T. Yost. 2,066,507; Jan. 5.
Tobacco, Drying. H. S. Bogaty. 2,067,115; Jan. 5.
Tobacco feeder for cigarette machines. J. T. Dalton. 2,066,338; Jan. 5.
Tobacco pipe. R. P. Smith. 2,066,746; Jan. 5.
Tone control. P. R. Dyksterhuis. 2,066,676; Jan. 5.
Tool: *See*—
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Portable tool.
Tool or implement, Pulling. C. E. Wiessner. 2,066,598; Jan. 5.
Tool setting means. J. Y. Blazek and R. G. Anderson. 2,066,389; Jan. 5.
Tooth brush. W. H. Doyle. 2,066,772; Jan. 5.
Torsion impact testing apparatus. R. W. Dinzl. 2,067,140; Jan. 5.
Totalizer, Electric. L. M. Simpson. 2,066,698; Jan. 5.
Toxic agent and its application to fibrous products. G. H. Ellis. 2,067,046; Jan. 5.
Toy. N. S. Raizen. 2,066,644; Jan. 5.
Toy, Figure. J. Likes. 2,067,091; Jan. 5.
Traffic controlling apparatus, Railway. E. M. Allen and H. S. Young. 2,066,903; Jan. 5.
Traffic controlling system for railroads, Centralized. O. H. Dicke. 2,067,151; Jan. 5.
Traffic controlling system for railroads, Centralized. W. T. Powell. 2,067,145; Jan. 5.
Traffic controlling system for railroads, Centralized. N. D. Preston. 2,067,147; Jan. 5.
Train control. N. C. L. Brown. 2,067,116; Jan. 5.
Transfer machine. H. L. Landis. 2,066,987; Jan. 5.
Transformer, Surge and outage proof distribution. J. K. Hodnette. 2,066,935; Jan. 5.
Translating mechanisms, System of operation of. W. S. Lemmon and A. R. Noll. 2,066,787; Jan. 5.
Transmission. W. B. Osborne. 2,066,482; Jan. 5.
Transmission control in two-way signaling system. B. G. Bjornson and N. W. Bryant. 2,066,325; Jan. 5.
Transmission, Over-drive. W. B. Barnes. 2,066,873; Jan. 5.
Transmission system, Infinity variable speed mechanical. A. B. Bassoff. 2,066,758; Jan. 5.
Trawl board and the like. E. C. S. Clark. 2,066,510; Jan. 5.
Tray, Egg. G. W. Swift, Jr. 2,066,587; Jan. 5.
Tray, Freezing. R. H. Chilton. 2,067,074; Jan. 5.
Trolley wire lubricator. H. F. Brown. 2,066,761; Jan. 5.
Truck, Railway. D. S. Barrows and G. F. Couch. 2,066,602; Jan. 5.
Truck, Railway. J. A. Cameron. 2,066,609; Jan. 5.
Tube: *See*—
Collapsible tube.
Tube and making it, Photoelectric. J. H. de Boer and M. C. Teves. 2,066,878; Jan. 5.
Tubes and pipes and the like, Manufacturing paper. A. Lutz. 2,066,991; Jan. 5.
Tubular post. J. Pfistershammer. 2,066,419; Jan. 5.
Tuning apparatus. V. H. Severy. 2,066,581; Jan. 5.
Tuning unit. J. P. Putnam. 2,066,944–5; Jan. 5.
Turbine. A. Lysholm. 2,066,788; Jan. 5.
Turbine, Elastic-fluid. F. Loss. 2,066,410; Jan. 5.
Typesetting mechanism for typewriters. J. F. Koca. 2,066,980; Jan. 5.
Ultraviolet printing-out compounds. S. E. Sheppard and W. Vanselow. 2,066,582; Jan. 5.
Unwinding machine. J. M. Schmied. 2,066,488; Jan. 5.
Upholstery spring. C. R. Simmons. 2,066,861; Jan. 5.
Utensil. J. Trank. 2,066,749; Jan. 5.
Utensil, Self-heating. H. E. Lacy. 2,066,476; Jan. 5.
Vacuum crystallizer and crystallising. H. B. Caldwell. 2,067,043; Jan. 5.
Valve: *See*—
Flush valve.
Tank safety valve.
Valve. E. M. May. 2,066,692; Jan. 5.
Valve-actuating push-piece. D. C. Holmes. 2,066,976; Jan. 5.
Valve assembly, Adjustable water supply controlling. F. H. Ahlman. 2,067,112; Jan. 5.
Valve device, Brake. F. Kasantzeff. 2,066,404; Jan. 5.
Valve grinding apparatus. A. E. Wood. 2,066,601; Jan. 5.
Valve silencer, Flush. J. Bowen. 2,066,554; Jan. 5.
Valve structure. W. M. Ewart. 2,066,523; Jan. 5.
Valves, Making. H. R. Street. 2,066,658; Jan. 5.
Vapor treatment of yarn in a yarn fabricating machine, Effecting. H. Janssen. 2,066,781; Jan. 5.
Varnish or lacquer to sheets, Applying. H. K. King. 2,066,782; Jan. 5.
Vehicle. V. W. Kliesrath. 2,066,352; Jan. 5.
Vehicle header construction. F. J. Westrope. 2,066,500; Jan. 5.
Vehicle, Motor. F. C. Best. 2,066,552–3; Jan. 5.
Vehicle, Motor. R. C. Hoffman. 2,066,530; Jan. 5.
Vehicle, Motor. H. E. Swift. 2,066,430; Jan. 5.
Vehicle, Road and railway. J. R. Hughes. 2,066,836; Jan. 5.
Vehicle seat, Motor. R. W. Cox. 2,066,557; Jan. 5.
Vehicle ventilating window. H. G. Kellogg. 2,067,087; Jan. 5.
Vehicle ventilating wing. J. R. Thorp and W. H. Lieber. 2,066,590; Jan. 5.
Ventilator: *See*—
Tiltable window ventilator
Vernier motor. O. H. Dicke. 2,066,965; Jan. 5.
Voltage of storage batteries, Controlling the charging. F. G. Beetem. 2,066,603; Jan. 5.
Wardrobe, Portable, foldable, and extendible. H. W. di Cristina. 2,066,828; Jan. 5.
Warp beam, Cross-wound. G. Kahlisch. 2,066,888; Jan. 5.
Washing and rinsing apparatus. H. F. Nash and J. Zimarik. 2,066,998; Jan. 5.
Watch, Ring. J. Vitrone. 2,066,437; Jan. 5.
Water and other liquids, Purification of. A. A. M. Bado. 2,066,710; Jan. 5.
Water-soluble complex compounds, Neutral. W. Kropp. 2,066,731; Jan. 5.
Water treater and heater. J. W. Hays. 2,066,348; Jan. 5.
Waterless gasholder. P. M. Kuehn. 2,066,353; Jan. 5.
Waterless gasholder. J. A. Mason. 2,066,355; Jan. 5.
Waterproof box. T. L. Cunningham. 2,066,337; Jan. 5.
Wave amplification and generation. R. S. Caruthers. 2,066,333; Jan. 5.
Wave transmission system, Carrier. R. S. Caruthers. 2,066,332; Jan. 5.
Weather strip for steel casement windows and doors, Metal. J. Canales. 2,066,910; Jan. 5.
Weatherstrip means, Casement window. E. D. Barringer. 2,066,712; Jan. 5.
Web regulating mechanism. M. J. Milmoe. 2,066,415; Jan. 5.
Weeder. F. E. S. Sawyer. 2,066,803; Jan. 5.
Welding apparatus. J. W. Dawson. 2,066,929; Jan. 5.
Welding apparatus. W. McBain. 2,066,791; Jan. 5.
Welding device. H. T. Platz. 2,067,064; Jan. 5.
Wheel and valve stem assembly. A. P. Fergueson. 2,067,008; Jan. 5.
Wheel for motor driven vehicles. C. D. Hobb. 2,066,729; Jan. 5.
Winding machine. E. R. Swanson. 2,066,494; Jan. 5.
Window, Electropneumatically operated. A. H. Tashjian and D. H. Holden. 2,067,106; Jan. 5.
Window sash balance. J. W. Smith. 2,067,164; Jan. 5.
Work bench. H. Andreana. 2,067,113; Jan. 5.
Window, Vehicle ventilating. H. G. Kellogg. 2,067,088; Jan. 5.
Windshield, Automobile auxiliary. F. A. Smith. 2,067,003; Jan. 5.
Wires and their manufacture, Bicycle tire bead. C. Pearson. 2,066,453; Jan. 5.
Wiring device. H. G. Arlt. 2,066,511; Jan. 5.
Wiring system and fitting therefor. H. A. Cook and L. F. Kummel. 2,066,960; Jan. 5.
Wiring system for electrical apparatus. G. W. Carpenter and W. D. La Rue. 2,066,876; Jan. 5.
Wood, Preserving. G. B. Shipley. 2,066,583; Jan. 5.
Wrappers to fillers, Apparatus for applying. K. F. Röber. 2,066,486; Jan. 5.
Wrapping machine. M. J. Milmoe. 2,066,414; Jan. 5.
X-ray apparatus, Shockproof. L. F. Ehrke. 2,067,139; Jan. 5.
Yarns and filaments and making the same. C. Dreyfus. 2,066,340; Jan. 5.

CLASSIFICATION OF PATENTS

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266— 7: 2,066,594
2,066,595
268— 125: 2,067,106
271— 2. 4: 2,066,617
2,066,618
2,066,619
2. 6: 2,066,415
272— 30: 2,066,736
273— 29: 2,067,071
30: 2,066,794
80: 2,066,442
2,066,662
97: 2,066,790
273— 110: 2,067,005
139: 2,066,409
150: 2,066,887
274— 1: 2,066,538
2,066,859
5: 2,066,880
275— 2: 2,066,953
6: 2,066,862
280— 33. 1: 2,066,430
95: 2,066,350
121: 2,066,552
2,066,553
281— 5: 2,066,620
30: 2,066,992
282— 12: 2,066,346
285— 9: 2,066,711
149: 2,066,767
170: 2,067,028
211: 2,066,775
287— 90: 2,066,695
103: 2,066,956
290— 38: 2,067,084
292— 340: 2,066,438
294— 102: 2,067,009
295— 36: 2,066,879
296— 26: 2,066,500
2,066,501
44: 2,067,087
2,067,088
84: 2,066,432
2,066,589
2,066,590
2,067,003
299— 60: 2,066,531
73: 2,067,044
87: 2,066,607
107. 6: 2,067,131
303— 23: 2,066,573
59: 2,066,404
304— 3: 2,066,462
13: 2,066,984
308— 36. 1: 2,066,931
36. 3: 2,067,034
40: 2,066,441
89: 2,066,563
121: 2,067,079
161: 2,066,482
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11: 2,066,613
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312— 5: 2,066,828
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146: 2,067,112
183: 2,066,865
185: 2,066,646
189: 2,067,118

U. S. GOVERNMENT PRINTING OFFICE: 1936

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Cigarette & Cigar Company, New York, N. Y. Cigarettes. Serial No. 386,575; Jan. 12. Class 17.

American Dirigold Corporation, The, Kokomo, Ind. Gravy ladles, cake ladles, tea strainers, etc. Serial No. 372,195; Jan. 12. Class 13.

American Institute of Applied Biochemistry, The. (See Warfel, Janet C.)

American Marine Paint Company, San Francisco, Calif. Chemical compositions for use as a water softener. Serial Nos. 378,292–3; Jan. 12. Class 6.

Arist Soares & Ca., Successor. (See Cohn, Samuel.)

Aron, J., & Company, Inc., New Orleans, La. Rice. Serial No. 385,385; Jan. 12. Class 46.

Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 385,771; Jan. 12. Class 39.

Autographic Register Company, Hoboken, N. J. Continuous writing strips interleaved with carbon strips and writing sheets with interleaved carbon sheets for use in manifolding registers, etc. Serial Nos. 385,025–6; Jan. 12. Class 37.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes and smoking tobacco. Serial No. 384,495; Jan. 12. Class 17.

Baby Calf Distributors, Inc., New York, N. Y. Leather skins and leather hides. Serial No. 382,785; Jan. 12. Class 1.

Bachmann, Robert A., assignor to The Sanitube Company, Newport, R. I. Eye drops. Serial No. 379,599; Jan. 12. Class 6.

Barbatsalos, Constantine, doing business as Soth-Pia Medicinal Preparations, New York, N. Y. Pharmaceutical preparation. Serial No. 385,430; Jan. 12. Class 6.

Bercut Richards Packing Company, Sacramento, Calif. Canned fruits, canned vegetables, canned Spanish style hot sauce. Serial No. 385,389; Jan. 12. Class 46.

Berger, M., Co. Inc., New York, N. Y. Textile fabric. Serial No. 384,351; Jan. 12. Class 42.

Binyon, R. G., & Co., San Francisco, Calif. Cleanser for artificial dentures. Serial No. 384,498; Jan. 12. Class 4.

Blue Blaze Coal Company, Clarksville, Ark. Coal. Serial No. 378,127; Jan. 12. Class 1.

Borcherdt Malt Extract Company, Chicago, Ill. Medicine. Serial No. 384,699; Jan. 12. Class 6.

Boosemeyer Bros., Superior, Nebr. Chick mash, chick feed, growing mash, etc. Serial No. 381,392; Jan. 12. Class 46.

Boston Shoe Company. (See Smith, Jack.)

Brach, E. J., & Sons, Chicago, Ill. Candy. Serial No. 384,378; Jan. 12. Class 46.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 386,071; Jan. 12. Class 22.

Brick, Alexander, Los Angeles, Calif. Textile fabrics. Serial No. 381,830; Jan. 12. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. Serial Nos. 386,339–40; Jan. 12. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. Serial No. 386,341; Jan. 12. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. Serial Nos. 386,348–50; Jan. 12. Class 22.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard cloth. Serial No. 369,328; Jan. 12. Class 42.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard cloth. Serial Nos. 369,331–3; Jan. 12. Class 42.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard cloth. Serial No. 369,335; Jan. 12. Class 42.

Burry Biscuit Corporation, Linden, N. J. Cookies. Serial No. 384,840; Jan. 12. Class 46.

Busch, Joseph, Des Moines, Iowa. Preparation for the treatment of hemorrhoids, colitis, and proctitis. Serial No. 383,871; Jan. 12. Class 6.

Butler Paper Corporations, Chicago, Ill. Papers. Serial No. 383,203; Jan. 12. Class 37.

Cameron Heartometer Co., Chicago, Ill. Charts for use in connection with apparatus for ascertaining and recording conditions of the circulatory system. Serial No. 385,776; Jan. 12. Class 26.

Cannon Shoe Company, Baltimore, Md. Leather slippers and/or shoes. Serial No. 385,332; Jan. 12. Class 39.

Caron Corporation, New York, N. Y. Facial packs and masques and toilet creams. Serial No. 383,872; Jan. 12. Class 6.

Carroon & Company, Fowler, Ind. Canned vegetables. Serial No. 380,755; Jan. 12. Class 46.

Cavendish Trading Corporation, New York, N. Y. Silver-plated flatware and hollow-ware. Serial No. 384,449; Jan. 12. Class 28.

Cederit Company, San Francisco, Calif. Wall coating preparation for moth control. Serial No. 376,573; Jan. 12. Class 6.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 384,956; Jan. 12. Class 42.

Chamberlin Metal Weather Strip Company, Detroit, Mich. Windows. Serial No. 383,674; Jan. 12. Class 12.

Chicago Paper Company, Chicago, Ill. Paper. Serial No. 385,563; Jan. 12. Class 37.

Chicago Pharmacal Co., Chicago, Ill. Preparation for internal treatment of pyelitis, cystitis, and gonorrhea. Serial No. 384,509; Jan. 12. Class 6.

Chilean Nitrate Sales Corporation, New York, N. Y. Nitrate of soda. Serial No. 384,957; Jan. 12. Class 6.

Chun, Ellery J., Honolulu, Hawaii. Beach pajamas and culottes. Serial No. 383,121; Jan. 12. Class 39.

Cilocon Corporation, The, Detroit, Mich. Nursing nipples. Serial No. 375,984; Jan. 12. Class 44.

Clark Shoe Company, Inc., New York, N. Y. Boots, shoes, and slippers. Serial No. 382,262; Jan. 12. Class 39.

Cleveland Cleaner and Paste Company, The, Cleveland, Ohio. Wall paper cleaner. Serial No. 385,564; Jan. 12. Class 4.

Cohn, Samuel, doing business as Arist Soares & Ca. Successor, Oporto, Portugal. Wines. Serial No. 346,900; Jan. 12. Class 47.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial Nos. 385,658–60; Jan. 12. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial Nos. 385,684–5; Jan. 12. Class 23.

Commercial Shirt Corporation, New York, N. Y. Jewelry. Serial No. 384,920; Jan. 12. Class 28.

Condor Products, Inc., Buffalo, N. Y. Suspenders. Serial No. 385,509; Jan. 12. Class 39.

Continental Motors Corporation, Detroit, Mich. Portable electric power producing plant, electric generators, battery chargers, etc. Serial No. 380,387; Jan. 12. Class 21.

Continental Screw Company, New Bedford, Mass. Screws. Serial No. 382,823; Jan. 12. Class 13.

Coolerator Company, The, Duluth, Minn. Refrigerators. Serial No. 385,881; Jan. 12. Class 31.

Cooperatieve Producenten Handelsvereeniging, Gouda, Netherlands. Cheese, condensed milk, milk powder, etc. Serial No. 383,295; Jan. 12. Class 46.

Cordes, Rose, et al. (See Red Cap Fire Extinguisher Co., Inc., assignor.)

Corn Products Refining Company, New York, N. Y. Brewers' corn syrup. Serial No. 384,029; Jan. 12. Class 46.

Coronet, Inc. (See Smart, David A.)

Dairymen's League Co-operative Association, Inc., Utica and New York, N. Y. Cream. Serial No. 374,180; Jan. 12. Class 46.

Dalton Hat Company, Yonkers, N. Y. Men's hats. Serial No. 385,726; Jan. 12. Class 39.

Darrasse, Leon, & Cie., Societe Du Papier Rigollot, Societe en Commandite, Paris, France. Mustard plasters. Serial No. 383,677; Jan. 12. Class 6.

Dictograph Products Company, Inc., New York, N. Y. Radio receiving sets, radio receiving sets combined with audible signal making attachments and audible signal making attachments for radio sets. Serial No. 383,430; Jan. 12. Class 21.

Ditto, Incorporated, Chicago, Ill. Paper. Serial No. 385,568; Jan. 12. Class 37.

Donaldson Radio and Electric Co., Kansas City, Mo. Radio antennae. Serial No. 385,781; Jan. 12. Class 21.

Dry Fruit Products Corporation, Oakland, Calif. Bread. Serial No. 364,126; Jan. 12. Class 46.

Eagle Signal Corporation, Moline, Ill. Timing mechanisms for electric circuits. Serial No. 383,390; Jan. 12. Class 21.

Economics Laboratory, Inc., St. Paul, Minn. Cleaning compound. Serial No. 372,662; Jan. 12. Class 4.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Writing pens and fountain pens. Serial Nos. 384,412–3; Jan. 12. Class 37.

Eton Corporation, The, New York, N. Y. Hats. Serial No. 382,208; Jan. 12. Class 39.

Ever-Nu Laboratories. (See Ladd, A. M.)

Fleisher, Fernald & Company, Philadelphia, Pa. Publication. Serial No. 382,868; Jan. 12. Class 38.

French, R. T., Company, The, Rochester, N. Y. Mustard. Serial No. 380,272; Jan. 12. Class 46.

General Felt Products Inc., Brooklyn, N. Y. Oiled silk. Serial No. 384,704; Jan. 12. Class 50.

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 383,526; Jan. 12. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Globe Superior Corporation, Abingdon, Ill. Overalls, denim jackets, and one piece suits. Serial No. 385,398; Jan. 12. Class 39.

Gluckstein, Francesca, London, England. First aid container and equipment. Serial No. 385,479; Jan. 12. Class 44.

Goldfarb, Samuel J., New York, N. Y. Women's dresses. Serial No. 385,884; Jan. 12. Class 39.

Graton & Knight Company, Worcester, Mass. Leather belting. Serial No. 385,689; Jan. 12. Class 35.

Griffith-Durney Company, San Francisco, Calif. Canned salmon. Serial No. 385,481; Jan. 12. Class 46.

Hair Net Packers, Inc., New York, N. Y. Non-electrical hair curlers, hair wavers, wave pressers, etc. Serial No. 382,665; Jan. 12. Class 40.

Hanan & Son, Inc., New York, N. Y. Shoes. Serial No. 384,998; Jan. 12. Class 39.

Hart, Clifford H., doing business as Solkara Medicine Company, Brooklyn, Mich. Medicinal preparations, liniments, and counter-irritants, and ointments. Serial No. 384,355; Jan. 12. Class 6.

Hechman, Helen, New York, N. Y. Extract for producing foam for therapeutic, hygienic, and beauty purposes. Serial No. 384,706; Jan. 12. Class 6.

Henderson, Albert, Pittsburgh, Pa. Molded construction members. Serial No. 383,576; Jan. 12. Class 12.

Henderson, Albert, Pittsburgh, Pa. Structural members. Serial No. 383,577; Jan. 12. Class 12.

Henderson, Albert, Pittsburgh, Pa. Molded construction members. Serial No. 383,579; Jan. 12. Class 12.

Heyer, Don, doing business as Heyer and Sutton, Inc., Los Angeles, Calif. Variable speed gearing apparatus. Serial No. 374,559; Jan. 12. Class 23.

Houghton, E. F., & Co., Philadelphia, Pa. Colloidal clay. Serial No. 385,582; Jan. 12. Class 4.

Howse, Mead & Sons, Inc., New York, N. Y. Gabardine silk piece goods. Serial No. 384,965; Jan. 12. Class 42.

Hulett, Arthur G., Los Angeles, Calif. Vaginal cleanser preparation. Serial No. 383,095; Jan. 12. Class 6.

Imperial Knife Company, Inc., Providence, R. I. Pocket cutlery and table cutlery. Serial No. 384,896; Jan. 12. Class 23.

Jelenko, J. F., and Company, Inc., New York, N. Y. Gold for dental inlays. Serial No. 385,357; Jan. 12. Class 44.

Kay Manufacturing Corporation, Brooklyn, N. Y. Inner spring units. Serial No. 384,708; Jan. 12. Class 32.

Ladd, A. M., doing business as Ever-Nu Laboratories, Los Angeles, Calif. Liquid rubber cleanser and renewer. Serial No. 384,750; Jan. 12. Class 4.

Laminated Shim Co., Inc., Long Island City, N. Y. Shims and shim stock. Serial No. 382,433; Jan. 12. Class 35.

Leeman, Stephen, Products Corp., New York, N. Y. Candies and nutted crackers. Serial No. 377,312; Jan. 12. Class 46.

Leigh, Ethel T., doing business as The Traphagen School of Fashion, New York, N. Y. Artistic drawings for textile designs. Serial No. 383,774; Jan. 12. Class 38.

Les Parfums de Dana, Inc., New York, N. Y. Perfumes, toilet water, cologne, etc. Serial No. 384,294; Jan. 12. Class 6.

Lippman, Minna F., New York, N. Y. Wines. Serial No. 384,468; Jan. 12. Class 47.

Liquid Level Indicator Co. (See Potter, Horace R.)

Llewellyn, Don, Los Angeles, Calif. Welding rods. Serial No. 386,119; Jan. 12. Class 14.

Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. Serial No. 385,049; Jan. 12. Class 46.

Loveland, William H., Company, Binghamton, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 362,427; Jan. 12. Class 6.

Lux-Air Equipment Company, Detroit, Mich. Auxiliary window units for insulating windows. Serial No. 379,118; Jan. 12. Class 12.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. Serial No. 385,524; Jan. 12. Class 39.

Mukeco Company, The, San Antonio, Tex. Precast concrete units for wall construction. Serial No. 383,067; Jan. 12. Class 12.

Mayfair Yarncraft. (See Osborne, Glenn E.)

McLoughlin Manufacturing Company, New York, N. Y. Disposable diapers, hospital pads and sanitary pads. Serial No. 385,192; Jan. 12. Class 44.

Meissner, C. R., Co., Inc., New York, N. Y. Tapestry wools and yarns. Serial No. 382,722; Jan. 12. Class 43.

Metalfield Incorporated, Long Island City, N. Y. Hair brushes. Serial No. 374,628; Jan. 12. Class 29.

Metalfield Incorporated, Long Island City, N. Y. Hair brushes. Serial No. 381,319; Jan. 12. Class 29.

Midway Chemical Co., Chicago, Ill. Polishes for wood, furniture, and varnished and lacquered surfaces, scratch remover and polish, wax, etc. Serial No. 381,229; Jan. 12. Class 16.

Miller, Ruth, et al. (See Red Cap Fire Extinguisher Co., Inc., assignor.)

Millers Falls Company, Greenfield, Mass. Hack saw blades. Serial No. 385,741; Jan. 12. Class 23.

Minnec, John M., doing business as Super-X Cleanser Co., Berwyn, Ill. Cleanser. Serial No. 384,811; Jan. 12. Class 4.

Morris, Philip, & Co. Ltd. Incorporated, New York, N. Y. Cigarettes and pipe tobacco. Serial No. 385,193; Jan. 12. Class 17.

Mulford Colloid Laboratories, Philadelphia, Pa. Solution containing iron and copper. Serial No. 383,397; Jan. 12. Class 6.

Mulford Colloid Laboratories, Philadelphia, Pa. Solution of manganese. Serial No. 383,399; Jan. 12. Class 6.

National Congress of Parents and Teachers, Washington, D. C. Special song lists and instruction sheets. Serial No. 384,972; Jan. 12. Class 38.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Dog food. Serial No. 385,532; Jan. 12. Class 46.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Laundry soap. Serial No. 385,533; Jan. 12. Class 4.

Norris Incorporated, Atlanta, Ga. Candy. Serial No. 385,301; Jan. 12. Class 46.

Norris Incorporated, Atlanta, Ga. Candy. Serial No. 385,303; Jan. 12. Class 46.

Nutritional Research Associates Inc., South Whitley, Ind. Vegetable oil extract. Serial No. 382,101; Jan. 12. Class 6.

O'Leary, Lydia, Inc., New York, N. Y. Cosmetic preparation, liquid thinning lotion, face powder, etc. Serial No. 385,601; Jan. 12. Class 6.

Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. Serial No. 385,675; Jan. 12. Class 43.

Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. Serial No. 385,695; Jan. 12. Class 43.

Pacific Raisin Company. (See Santikian, George.)

Padola Corporation, New York, N. Y. Brushless shaving cream, shaving cream, soaps, etc. Serial No. 384,861; Jan. 12. Class 4.

Perlstein Brothers, New York, N. Y. Sole leather. Serial No. 378,705; Jan. 12. Class 1.

Pfuhl, Louise and K. H., Rochelle Park, N. J. Cigars. Serial No. 385,060; Jan. 12. Class 17.

Pfuhl, Louise and K. H., Rochelle Park, N. J. Cigars. Serial No. 385,107; Jan. 12. Class 17.

Pincus, Lester, Shoe Corporation, New York, N. Y. Shoes, slippers, and sandals. Serial No. 383,508; Jan. 12. Class 39.

Pilbrico Jointless Firebrick Company, Chicago, Ill. Refractory cement. Serial No. 385,199; Jan. 12. Class 12.

Portal, Dingwall & Norris, London, England. Sherry wine. Serial No. 379,564; Jan. 12. Class 47.

Potter, Horace R., doing business as Liquid Level Indicator Co., Summit, N. J. Oil level gauges. Serial No. 384,628; Jan. 12. Class 26.

Pyle-National Company, The, Chicago, Ill. Locomotive valve gears, reversing gears, driving turbines, locomotive valves, etc. Serial No. 383,139; Jan. 12. Class 23.

Rayville S.-A., Villeret, Switzerland. Watches, watch cases, and mechanism. Serial No. 384,050; Jan. 12. Class 27.

Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. Serial Nos. 386,223–4; Jan. 12. Class 49.

Red Cap Fire Extinguisher Co., Inc., assignor to Ruth Miller and Rose Cordes, New York, N. Y. Portable hand fire extinguishers. Serial No. 384,816; Jan. 12. Class 23.

Red Jacket Coal Sales Company, Columbus, Ohio. Coal. Serial No. 385,451; Jan. 12. Class 1.

Rogers Peet Company, New York, N. Y. Suits and overcoats. Serial No. 384,906; Jan. 12. Class 39.

Rolls-Royce Limited, Derby, England. Motor road vehicles and chassis therefor. Serial No. 381,818; Jan. 12. Class 19.

Rubber-Gel Products Corporation, North Quincy, Mass. Rubber erasers. Serial No. 385,494; Jan. 12. Class 37.

Saffer, Morris, & Sons, New York, N. Y. Men's suits of clothes and overcoats. Serial No. 383,705; Jan. 12. Class 39.

St. Marys Beverage Company, St. Marys, Pa. Beer. Serial No. 384,818; Jan. 12. Class 48.

Samson Plaster Board Company, Buffalo, N. Y. Paint in paste form. Serial No. 386,378; Jan. 12. Class 16.

Sanitube Company, The. (See Bachmann, Robert A.)

Santikian, George, doing business as Pacific Raisin Company, Fowler, Calif. Dried fruits, raisins, and dried black grapes. Serial No. 383,898; Jan. 12. Class 46.

Scheifler & Barst, New York, N. Y. Canned fruits and vegetables. Serial No. 384,053; Jan. 12. Class 46.

Schindler & Company, New York, N. Y. Men's and boys' underwear. Serial No. 385,808; Jan. 12. Class 39.

Schwartz, Morris, Fur Corp., New York, N. Y. Fur skins and parts thereof. Serial No. 380,115; Jan. 12. Class 1.

Schweyer, Paul T., Los Angeles, Calif. Hair color restorer and tonic. Serial No. 385,307; Jan. 12. Class 6.

Shipping News, Portland, Oreg. Periodical. Serial No. 384,977; Jan. 12. Class 38.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Sierra Vista Packing Association, Riverside, Calif. Oranges and grapefruit. Serial No. 385,308; Jan. 12. Class 46.

Slocum Publishing Company, Grosse Pointe Shores and Detroit, Mich. Periodical. Serial No. 384,820; Jan. 12. Class 38.

Smart, David A., assignor to Coronet, Inc., Chicago, Ill. Magazines. Serial No. 384,821; Jan. 12. Class 38.

Smith, Chas. S., doing business as C. S. Smith Co., Los Angeles, Calif. Wall papers. Serial No. 385,067; Jan. 12. Class 37.

Smith, Jack, doing business as Boston Shoe Company, Los Angeles, Calif. Shoes, slippers. Serial No. 384,765; Jan. 12. Class 39.

Snelling Brothers, Allentown, Pa. Ink. Serial No. 385,650; Jan. 12. Class 11.

Solkara Medicine Company. (See Hart, Clifford H.)

Soth-Pia Medicinal Preparations. (See Barbatsalos, Constantine.)

Squibb, E. R., & Sons, New York, N. Y. Anesthetics. Serial Nos. 367,263–4; Jan. 12. Class 6.

Standard Pressed Steel Co., Jenkintown, Pa. Lock nuts. Serial No. 385,310; Jan. 12. Class 13.

Standard Toycraft Products, Inc., Brooklyn, N. Y. Toy paint-sets and modeling and sculpturing play-sets. Serial No. 385,370; Jan. 12. Class 22.

Sult, William M., Lakeland, Fla. Newspaper column. Serial No. 385,159; Jan. 12. Class 38.

Sun Harbor Packing Corp., San Diego, Calif. Canned tuna. Serial No. 383,188; Jan. 12. Class 46.

Sunset Oil Company, Los Angeles, Calif. Motor lubricating oils and gasoline. Serial No. 384,981; Jan. 12. Class 15.

Sunset Oil Company, Los Angeles, Calif. Motor lubricating oils. Serial No. 384,982; Jan. 12. Class 15.

Super-X Cleanser Co. (See Minnec, John M.)

Supplee-Biddle Hardware Co., Philadelphia, Pa. Catalogs. Serial No. 372,292; Jan. 12. Class 38.

Supreme Bedding & Furniture Manufacturing Company, Inc., Monroe, La. Mattresses. Serial No. 380,679; Jan. 12. Class 32.

Supreme Laboratories, Chicago, Ill. Medicines, antiseptics, and pharmaceutical preparations. Serial No. 363,301; Jan. 12. Class 6.

Sure-Lube Refinery, Incorporated, Louisville, Ky. Lubricating oils. Serial No. 378,461; Jan. 12. Class 15.

Susaman, Wormser & Co., San Francisco, Calif. Fruit juices for beverage purposes. Serial No. 384,984; Jan. 12. Class 45.

Syndicate-Alliance Trading Co. Inc., New York, N. Y. Hand or toilet soap. Serial No. 384,910; Jan. 12. Class 4.

Tausick Corporation, New York, N. Y. Ladies' collars, collar sets and scarfs. Serial No. 385,913; Jan. 12. Class 39.

Ten-O-Win Amusement Company, San Francisco, Calif. Amusement apparatus. Serial No. 385,313; Jan. 12. Class 22.

Terhune, Yereance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics. Serial No. 385,204; Jan. 12. Class 42.

Tomback, Harry, doing business as Torg Laboratories, New York, N. Y. Medicines for the relief of acne, pimples, etc. Serial Nos. 384,342–3; Jan. 12. Class 6.

Torg Laboratories. (See Tomback, Harry.)

Traphagen School of Fashion, The. (See Leigh, Ethel T.)

Tunison, Richard G., doing business as R. G. Tunison Co., New York, N. Y. Liver and sulphur compound. Serial No. 383,963; Jan. 12. Class 6.

Union Oil Company of California, Los Angeles, Calif. Liquid cleaner. Serial No. 365,399; Jan. 12. Class 4.

United States Gypsum Company, Chicago, Ill. Dental plaster Paris. Serial No. 385,317; Jan. 12. Class 44.

Universal Brassiere & Justrite Corset Co. Inc., New York, N. Y. Corsets, corselets, girdles, etc. Serial No. 385,700; Jan. 12. Class 39.

Veneziani, Aldo, Milan, Italy. Liquid or solid disinfectant. Serial No. 379,858; Jan. 12. Class 6.

Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Salt preparation. Serial No. 384,873; Jan. 12. Class 46.

Walgreen Co., Chicago, Ill. Playing cards. Serial No. 384,573; Jan. 12. Class 22.

Walgreen Co., Chicago, Ill. Playing cards. Serial No. 384,575; Jan. 12. Class 22.

Waltham Watch Company, Waltham, Mass. Speedometers. Serial No. 385,655; Jan. 12. Class 26.

Wappler, A. C., Corp., New York, N. Y. Urological instruments, cautery and light transformers, physical therapy apparatus, etc. Serial No. 368,246; Jan. 12. Class 44.

Warfel, Janet C., doing business as The American Institute of Applied Biochemistry, Chicago, Ill. Publication. Serial No. 385,078; Jan. 12. Class 38.

Warner Brothers Company, The, Bridgeport, Conn. Corsets, brassières, girdles, etc. Serial No. 385,500; Jan. 12. Class 39.

Washburn Company, The, Worcester, Mass. Screw drivers. Serial No. 364,263; Jan. 12. Class 23.

Wella Corporation, The, New York, N. Y. Permanent hair waving apparatus with cabinet therefor. Serial No. 383,858; Jan. 12. Class 44.

Whitehead Metal Products Company of New York, Inc., New York, N. Y. Sinks. Serial No. 381,143; Jan. 12. Class 13.

Wikström, Carl, doing business as P. Wikström Jr., Stockholm, Sweden. Insulating material and lining material. Serial No. 384,726; Jan. 12. Class 12.

Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Refrigeration machines and parts thereof. Serial No. 385,616; Jan. 12. Class 31.

Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Laundry appliances. Serial No. 385,618; Jan. 12. Class 24.

Wilmot, Lemuel A., Toronto, Ontario, Canada. Tonic salts. Serial No. 381,597; Jan. 12. Class 6.

Wolwin Chair Co., The, Willoughby, Ohio. Upholstered chairs, davenports, couches, etc. Serial No. 385,715; Jan. 12. Class 32.

Woodhouse, George, London, England. Manual exercising apparatus for piano instruction. Serial No. 383,759; Jan. 12. Class 36.

Wróblewski, David, doing business as D. Wróblewski & Co., Brooklyn, N. Y. General tonic, corn preparation, cough preparation, etc. Serial No. 384,066; Jan. 12. Class 6.

York Ice Machinery Corporation, York, Pa. Machinery packing. Serial No. 369,671; Jan. 12. Class 35.

LIST OF REGISTRANTS OF TRADE-MARKS

Alexander Woolen Company, Chicago, Ill. Woolen piece goods. 342,258–60; Jan. 12; Serial Nos. 380,982–4; published Nov. 3, 1936. Class 42.

Allied Industrial Alcohol Corporation, New York, N. Y. Denatured alcohol and radiator anti-freeze compositions. 342,285; Jan. 12; Serial No. 381,700; published Oct. 27, 1936. Class 6.

Allied Industrial Alcohol Corporation, New York, N. Y. Denatured alcohol. 342,286–7; Jan. 12; Serial Nos. 381,701–2; published Oct. 27, 1936. Class 6.

American Yvette Company, Inc., New York, N. Y. Permanent waving lotions. 342,335; Jan. 12; Serial No. 382,705; published Nov. 3, 1936. Class 6.

Anchor Packing Company, The, Philadelphia, Pa. Machinery packing. 342,295; Jan. 12; Serial No. 382,032; published Nov. 3, 1936. Class 35.

Andresen Corporation, Chicago, Ill. Paving materials. 342,323; Jan. 12; Serial No. 382,583; published Oct. 20, 1936. Class 12.

Atlas Chem. Products Co. (See Vandewater, Jay.)

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Rum. 342,371; Jan. 12; Serial No. 383,423; published Nov. 3, 1936. Class 49.

B. G. Garment Co., Inc., Chicago, Ill. Dresses, coats and suits. 342,375; Jan. 12. Class 39.

Banta, Edwin, doing business as The Tay-Ban Co., Los Angeles, Calif. Liquid treatment for the control of excess fat. 342,324; Jan. 12; Serial No. 382,584; published Nov. 3, 1936. Class 6.

Barnsdall Tripoli Corporation, Seneca, Mo. Pumice. 342,376; Jan. 12. Class 4.

Barrett Company, The, New York, N. Y. Roofing. 342,377; Jan. 12. Class 12.

Bectin-Seymour, New York, N. Y. Shaving creams and powders. 342,241; Jan. 12; Serial No. 378,643; published Oct. 27, 1936. Class 4.

Biogene Chemical Company, Inc., Boston, Mass. Medicinal preparation. 342,229–31; Jan. 12; Serial Nos. 376,031–3; published Oct. 27, 1936. Class 6.

Bisco Laboratories, Inc., New York, and Woodside, N. Y. Laxative. 342,277; Jan. 12; Serial No. 381,444; published Oct. 27, 1936. Class 6.

Bloomingdale Bros., Inc., New York, N. Y. Toilet articles. 342,240; Jan. 12; Serial No. 378,551; published Oct. 27, 1936. Class 6.

Bloomingdale Bros., Inc., New York, N. Y. Rum. 342,369; Jan. 12; Serial No. 383,344; published Nov. 3, 1936. Class 49.

Bolté, Brown, New York, N. Y. Medicated chewing gum. 342,336; Jan. 12; Serial No. 382,708; published Oct. 27, 1936. Class 6.

Bolte, Frank G., Jr., Audubon, N. J. Liquid cleanser 342,253; Jan. 12; Serial No. 380,495; published Oct. 27, 1936. Class 4.

Bon Ami Company, The, New York, N. Y. Cleansing powder. 342,279; Jan. 12; Serial No. 381,475; published Oct. 27, 1936. Class 4.

Booster Chemical and Engineering Company. (See Windsor-Lloyd Products, Inc.)
Bound Brook Oil-Less Bearing Company. (See Graphite Lubricating Company, The.)
Brick, Arthur R., doing business as Vita-Glo Company, Crosswicks, N. J. Fruit compound. 342,291; Jan. 12; Serial No. 381,834; published Nov. 3, 1936. Class 46.
Burry Biscuit Corporation, Chicago, Ill., and Linden, N. J. Assorted sweet cookies. 342,243; Jan. 12; Serial No. 379,734; published Oct. 20, 1936. Class 46.
Buxton, Guy C., Chicago, Ill. Tooth paste and mouth wash. 342,213; Jan. 12; Serial No. 353,208; published Sept. 18, 1934. Class 6.
Camlax Company, The, Dover, Del., and New York, N. Y. Laxative. 342,325–6; Jan. 12; Serial Nos. 382,588–9; published Nov. 3, 1936. Class 6.
Caron Corporation. (See Daltroff, E., & Cie., assignor.)
Carson Pirie Scott and Company, Chicago, Ill. Hand traveling bags, ladies' overnight traveling cases; luggage carrying cases, etc. 342,313; Jan. 12; Serial No. 382,423; published Nov. 3, 1936. Class 3.
Century Engineering Corporation, Cedar Rapids, Iowa. Oil burners and parts thereof. 342,254; Jan. 12; Serial No. 380,548; published Nov. 3, 1936. Class 34.
Chamberlain & Company, Inc., Boston, Mass. Foods. 116,506; renewed May 8, 1937.
Chatman, Frederick, New York, N. Y. Hair preparation. 342,303; Jan. 12; Serial No. 382,203; published Oct. 20, 1936. Class 6.
Clemons, Inc., New York, N. Y. Suits, overcoats, top coats, etc. 342,378; Jan. 12. Class 39.
Cleveland Heater Company, The, Cleveland, Ohio. Air conditioning apparatus. 342,238; Jan. 12; Serial No. 377,181; published Nov. 3, 1936. Class 34.
Commander-Larabee Milling Company, doing business as The Larabee Flour Mills Company, Kansas City, Mo. Wheat flour. 342,283; Jan. 12; Serial No. 381,662; published Nov. 3, 1936. Class 46.
Compañia Ron Bacardi, S. A., Santiago, Cuba. Rum. 342,274–5; Jan. 12; Serial No. 381,403–4; published Oct. 27, 1936. Class 49.
Cooper & Cooper, Inc., Brooklyn, N. Y. Razor blades. 342,364; Jan. 12; Serial No. 383,159; published Nov. 3, 1936. Class 23.
Co-Operative Mfg. Co., San Francisco, Calif. Towels and toweling. 342,296; Jan. 12; Serial No. 382,089; published Nov. 3, 1936. Class 42.
Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, New York, N. Y. Soaps. 342,219; Jan. 12; Serial No. 371,858; published Aug. 4, 1936. Class 4.
Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, New York, N. Y. Perfumes, toilet waters, face and toilet powders, etc. 342,220; Jan. 12. Class 6.
Davis, A., & Sons, Inc., New York, N. Y. Women's and misses' coats and suits. 342,379; Jan. 12. Class 39.
De Golier, Earle J., doing business as Neverslip Dressing Company, Bradford, Pa. Dressing to be applied to rugs. 342,340; Jan. 12; Serial No. 382,789; published Nov. 3, 1936. Class 5.
Denti-Set Corporation, Wilmington, Del. Tooth powder and mouth wash. 342,345; Jan. 12; Serial No. 382,907; published Oct. 27, 1936. Class 6.
De Padilla, Maria L. N., doing business as Laboratorios Farmacéuticos Terrier, Mexico, D. F., Mexico. Medicinal preparation. 342,237; Jan. 12; Serial No. 377,124; published Oct. 6, 1936. Class 6.
De Roos Sternheim Company, Incorporated, The, Chicago, Ill. Pads for permanent waving of hair. 342,380; Jan. 12. Class 44.
Dixie Stores, Incorporated, Greenville, S. C. Plain and self-rising wheat flour. 342,346; Jan. 12; Serial No. 382,909; published Nov. 3, 1936. Class 46.
Dornier-Metallbauten G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Aeroplanes and structural parts of aeroplanes. 342,233–4; Jan. 12; Serial No. 376,665–6; published Nov. 3, 1936. Class 19.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. 342,299; Jan. 12; Serial No. 382,148; published Oct. 20, 1936. Class 6.
Eastern Shore Canning Co., Inc., Machipongo, Va. Canned vegetables and frozen vegetables in cans. 342,331; Jan. 12; Serial No. 382,661; published Nov. 3, 1936. Class 46.
Eastern Shore Canning Co., Inc., Machipongo, Va. Canned vegetables and frozen vegetables. 342,381; Jan. 12. Class 46.
Elliott, Otto, Cleveland, Ohio. Preparations for treating printing plates. 342,249; Jan. 12; Serial No. 380,099; published Oct. 27, 1936. Class 6.
Elder and Johnston Company, The, Dayton, Ohio. Women's hosiery. 342,382; Jan. 12. Class 39.
Electro Metallurgical Company, New York, N. Y. Ferro-alloy briquets. 342,353; Jan. 12; Serial No. 383,054; published Nov. 3, 1936. Class 14.
Elliott Paint & Varnish Company, Chicago, Ill. Ready-mixed paints, paint enamels, and varnishes. 342,334; Jan. 12; Serial No. 382,698; published Nov. 3, 1936. Class 16.
Emery Industries, Inc., Cincinnati, Ohio. Candles. 342,383; Jan. 12. Class 15.
Emulsol Corporation, The, Chicago, Ill. Egg products. 342,214; Jan. 12; Serial No. 358,837; published Nov. 3, 1936. Class 46.
Endo Products, Inc., New York, N. Y. Intravenous solutions. 342,266; Jan. 12; Serial No. 381,153; published Oct. 27, 1936. Class 6.
Etablissements Pastival, Société à responsabilité limitée, Paris, France. Medicinal preparation. 342,250; Jan. 12; Serial No. 380,137; published Oct. 27, 1936. Class 6.
Etablissements Pastival, Société à responsabilité limitée, Paris, France. Preparation for the treatment of nervous diseases, tonics for the nerves, etc. 342,251; Jan. 12; Serial No. 380,142; published Nov. 3, 1936. Class 6.
Faust-Booth Paint Company, St. Louis, Mo. Ready-mixed paints and paint enamels. 342,222; Jan. 12; Serial No. 372,592; published Nov. 3, 1936. Class 16.
Fish Packers, Inc., San Francisco, Calif. Canned sardines. 342,224; Jan. 12; Serial No. 374,046; published Nov. 3, 1936. Class 46.
Fisk Rubber Corporation, The, Chicopee Falls, Mass. Vehicle tires. 342,384; Jan. 12. Class 35.
Ford Hopkins Company, doing business as Dr. Richards, Chicago, Ill. Foot powder. 342,317; Jan. 12; Serial No. 382,469; published Nov. 3, 1936. Class 6.
Forest City Rubber Company, The, Cleveland, Ohio. Absorbent cotton. 342,342; Jan. 12; Serial No. 382,826; published Nov. 3, 1936. Class 44.
Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts, The, Philadelphia, Pa. Medicine. 342,267; Jan. 12; Serial No. 381,157; published Oct. 27, 1936. Class 6.
Funston, D., Company, doing business as Williams & Company, Chicago, Ill. Sclerosing solution. 342,306; Jan. 12; Serial No. 382,267; published Oct. 20, 1936. Class 6.
Garlinger & Co., Inc., Philadelphia, Pa. Medicine. 342,318; Jan. 12; Serial No. 382,470; published Oct. 27, 1936. Class 6.
General Electric Company, Schenectady, N. Y. Electrical wires, cables, and conductors. 342,357; Jan. 12; Serial No. 383,092; published Nov. 3, 1936. Class 21.
Gerard Milk Products Company, The, Baltimore, Md., and Philadelphia, Pa. Blend of dried skimmed milk, dried buttermilk, and processed feeding malt flour. 342,385; Jan. 12. Class 46.
Gleason Works, The, Rochester, N. Y. Gear cutting tools and blades therefor. 342,386; Jan. 12. Class 23.
Goldberger, Leo J., New York, N. Y. Dresses, blouses, and jumpers. 342,387; Jan. 12. Class 39.
Golden Vital Company. (See Lindon, Elvin, assignor.)
Graphite Lubricating Company, The, by change of name to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Self-lubricating trolley-wheel bushings and metal and graphite bearings and bushings. 116,521; renewed May 8, 1937.
Green, A. P., Fire Brick Company, Mexico, Mo. Castable refractory. 342,309; Jan. 12; Serial No. 382,352; published Oct. 20, 1936. Class 12.
Greffoz, V. H., Houston, Tex. Metal polishes and shoe polish and scrubbing powder. 342,235; Jan. 12; Serial No. 376,673; published Oct. 27, 1936. Class 4.
H. S. Petticoat Co., Inc., Boston, Mass. Ladies' slips. 342,388; Jan. 12. Class 39.
Haueisen, Batist R., Indianapolis, Ind. Machine for determining and indicating the hardness of metallic coatings. 342,284; Jan. 12; Serial No. 381,671; published Nov. 3, 1936. Class 26.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruits. 342,350; Jan. 12; Serial No. 383,015; published Nov. 3, 1936. Class 46.
Helm, Ray P., doing business as The Helm Company, Benton Harbor, Mich. Ointment. 342,278; Jan. 12; Serial No. 381,457; published Oct. 27, 1936. Class 6.
Henslee, Joe M., Longview, Tex. Used motor vehicle parts. 342,227; Jan. 12; Serial No. 375,845; published Nov. 3, 1936. Class 19.
Hercules Powder Company. (See Paper Makers Chemical Corporation, assignor.)
Hickok Manufacturing Company, Inc., Rochester, N. Y. Key chains, money holders, and cuff links, etc. 342,261; Jan. 12; Serial No. 380,991; published Nov. 3, 1936. Class 28.
Hickok Oil Corporation, Toledo, Ohio. Automobile filling station supplies of liquid and semi-liquid. 342,239; Jan. 12; Serial No. 378,434; published Nov. 3, 1936. Class 15.
Holden Patent Book Cover Company, Springfield, Mass. Covers for books. 342,389; Jan. 12. Class 37.
Holland, Thor, Seattle, Wash. Sensitizer base. 342,242; Jan. 12; Serial No. 379,091; published Oct. 27, 1936. Class 6.
Hulbert, R. C., doing business as Royale Radio Manufacturing Co., Los Angeles, Calif. Radio receiving sets. 342,218; Jan. 12; Serial No. 369,360; published Dec. 24, 1935. Class 21.
Hydroxsul, Inc., Jersey City, N. J. Antiseptic and therapeutic ointment. 342,270; Jan. 12; Serial No. 381,313; published Oct. 27, 1936. Class 6.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial resin-containing adhesives. 342,347; Jan. 12; Serial No. 382,955; published Nov. 3, 1936. Class 5.

Ideal Novelty & Toy Company, Long Island City, N. Y. Dolls, costumes for dolls, parts of costumes for dolls, etc. 342,370; Jan. 12; Serial No. 383,357; published Nov. 3, 1936. Class 22.
Inter-Lox Steel Co. (See Schlicht, Carl R.)
International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets of paper. 342,390–1; Jan. 12. Class 37.
International Harvester Company, Chicago, Ill. Milking machines and parts thereof. 342,351–2; Jan. 12; Serial Nos. 383,019–20; published Nov. 3, 1936. Class 23.
International Looms, Inc., New York, N. Y. Carpets, rugs, and upholstery fabrics. 342,341; Jan. 12; Serial No. 382,796; published Nov. 3, 1936. Class 42.
Inti Salons, Inc., New York, N. Y. Liquid astringent, face powder, rouge, etc. 342,297–8; Jan. 12; Serial Nos. 382,094–5; published Oct. 27, 1936. Class 6.
Kahn & Feldman, Inc., New York, N. Y. Thread and yarn. 342,392; Jan. 12. Class 43.
Kelly, Gordon J., Niles, Ohio. Card games. 342,368; Jan. 12; Serial No. 383,212; published Nov. 3, 1936. Class 22.
Kennedy & Co., Inc., Boston, Mass. Coffee. 342,263; Jan. 12; Serial No. 381,109; published Nov. 3, 1936. Class 46.
Kircoff, George V., Fort Wayne, Ind. Salve. 342,292; Jan. 12; Serial No. 381,897; published Oct. 27, 1936. Class 6.
Krebs, E. T., doing business as Leptol Laboratories, San Francisco, Calif. Medicinal preparation. 342,304; Jan. 12; Serial No. 382,225; published Oct. 20, 1936. Class 6.
Kuntz, George W., Evansville, Ind. Coffee, tea, spices, etc. 342,329; Jan. 12; Serial No. 382,632; published Nov. 3, 1936. Class 46.
Laboratorios Farmacéuticos Terrier. (See de Padilla, Maria L. N.)
Larabee Flour Mills Company, The. (See Commander-Larabee Milling Company.)
La Salle Hat Company, The, Philadelphia, Pa. Hats and caps and ladies' hats. 342,393; Jan. 12. Class 39.
Leptol Laboratories. (See Krebs, E. T.)
Lindon, Elvin, doing business as Golden Vital Company, Cincinnati, Ohio. General tonic. 342,256; Jan. 12; Serial No. 380,711; published Oct. 27, 1936. Class 6.
Lindsay Ripe Olive Company, Lindsay, Calif. Skin and scalp lotion. 342,308; Jan. 12; Serial No. 382,317; published Oct. 20, 1936. Class 6.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 342,262; Jan. 12; Serial No. 381,037; published Nov. 3, 1936. Class 46.
Luxuray, Inc., New York, N. Y. Polo shirts, shorts, undershirts, etc. 342,394; Jan. 12. Class 39.
Lynndale Distillery Co., Louisville, Ky. Whiskey, rum, gin, etc. 342,373; Jan. 12; Serial No. 383,591; published Nov. 3, 1936. Class 49.
Maier Brewing Company, Inc., Los Angeles, Calif. Malt, cereal beverage. 342,212; Jan. 12; Serial No. 341,092; published Nov. 3, 1936. Class 48.
Malis, Irving H., doing business as Veritas Products Co., New York, N. Y. Vaginal diaphragms. 342,354; Jan. 12; Serial No. 383,068; published Nov. 3, 1936. Class 4.
Marbro Mills. (See Marcus Brothers.)
Marcus Brothers, doing business as Marbro Mills, New York, N. Y. Pile fabrics. 342,252; Jan. 12; Serial No. 380,174; published Oct. 27, 1936. Class 42.
Mason Medicine Co., The, Wesser, N. C. Pellagra medicine. 342,314; Jan. 12; Serial No. 382,434; published Nov. 3, 1936. Class 6.
Matthews, Jas. H., & Co., Pittsburgh, Pa. Grave markers. 342,395; Jan. 12. Class 50.
Meagher Bros. & Co. Limited, Montreal, Quebec, Canada. Whisky, gin, highland liqueur whisky, etc. 342,215; Jan. 12; Serial No. 359,919; published Apr. 21, 1936. Class 49.
Merck & Co. Inc., Rahway, N. J. Chemical compounds. 342,349; Jan. 12; Serial No. 382,964; published Nov. 3, 1936. Class 6.
Merck & Co. Inc., Rahway, N. J. Chemical compounds. 342,358; Jan. 12; Serial No. 383,099; published Nov. 3, 1936. Class 6.
Metadier, Paul, Tours, France. Preparation for skin diseases. 342,321; Jan. 12; Serial No. 382,565; published Oct. 27, 1936. Class 6.
Miller, Jacob, Sons & Company, assignor, by mesne assignments, to Jacob Miller's Sons Company, Philadelphia, Pa. Woven dress-shirts, negligée shirts, undershirts, etc. 110,603; renewed June 6, 1936.
Millett, J. C., Co., San Francisco, Calif. Whiskey. 342,372; Jan. 12; Serial No. 383,440; published Nov. 3, 1936. Class 49.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic temperature controls. 342,232; Jan. 12; Serial No. 376,484; published Nov. 3, 1936. Class 26.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic optical pyrometers. 342,365; Jan. 12; Serial No. 383,173; published Nov. 3, 1936. Class 26.
Morris, E., Manufacturing Co., Detroit, Mich. Permanent wave solutions, wave set that is a solution used in giving finger waves. 342,293; Jan. 12; Serial No. 381,916; published Oct. 27, 1936. Class 6.
Mutual Citrus Products Co., Anaheim, Calif. Concentrates, syrups, flavors, and emulsions for beverage purposes. 342,315; Jan. 12; Serial No. 382,441; published Nov. 3, 1936. Class 45.
N. S. W. Company, The, Detroit, Mich. Windows and window frames. 342,294; Jan. 12; Serial No. 381,993; published Oct. 27, 1936. Class 12.
Naamlooze Vennootschap Sangostop, Amsterdam, Netherlands. Preparations in the form of powder or liquid for stopping hemorrhage. 342,221; Jan. 12; Serial No. 372,327; published Oct. 27, 1936. Class 6.
National Aluminate Corporation, Chicago, Ill. Chemicals. 342,307; Jan. 12; Serial No. 382,274; published Oct. 20, 1936. Class 6.
Neverslip Dressing Company. (See De Golier, Earle J.)
Nicholas, Jack D., St. Joseph, Mo. Cleaning compound. 342,247; Jan. 12; Serial No. 379,992; published Oct. 27, 1936. Class 4.
Nippon Merchandise Co., Los Angeles, Calif. Palettes, palette and paint knives, canvas-stretching pliers. 342,396; Jan. 12. Class 23.
Normitol, Incorporated, Norwalk, Conn. Bay rum, mouth washes, perfumes, etc. 342,337; Jan. 12; Serial No. 382,764; published Nov. 3, 1936. Class 6.
North Carolina Fabrics Corporation, Salisbury, N. C. Textile fabrics. 342,348; Jan. 12; Serial No. 382,960; published Oct. 27, 1936. Class 42.
Norwich Pharmacal Company, The, Norwich, N. Y. Product specially prepared for the treatment of minor irritations of the eyes. 342,332; Jan. 12; Serial No. 382,671; published Nov. 3, 1936. Class 6.
Norwich Pharmacal Company, The, Norwich, N. Y. Liquid analgesic. 342,333; Jan. 12; Serial No. 382,672; published Nov. 3, 1936. Class 6.
O. H. D. Co., Inc., Wilmington, Del. Cough syrup. 342,282; Jan. 12; Serial No. 381,638; published Oct. 27, 1936. Class 6.
Ohio Brass Company, The, Mansfield, Ohio. Clamps for electrical conductors. 342,316; Jan. 12; Serial No. 382,442; published Nov. 3, 1936. Class 21.
Oswego Candy Works, Inc., Oswego, N. Y. Candy. 342,359; Jan. 12; Serial No. 383,102; published Nov. 3, 1936. Class 46.
Paper Makers Chemical Corporation, assignor to Hercules Powder Company, Wilmington, Del. Complex mixture of resins and waxes or wax-like bodies used for a coating for paper and board. 342,248; Jan. 12. Serial No. 380,017; published Nov. 3, 1936. Class 6.
Parfumerie Caron. (See Daltroff, E., & Cie.)
Perfo Company, Incorporated, The, Chicago, Ill. Permanent waving solution. 342,312; Jan. 12; Serial No. 382,393; published Oct. 20, 1936. Class 6.
Pevely Dairy Company, St. Louis, Mo. Evaporated milk. 342,228; Jan. 12; Serial No. 376,004; published May 12, 1936. Class 46.
Physician Prescribed Cosmetic Laboratories, Inc., Wilmington, Del., and Mount Vernon, N. Y. Cosmetics. 342,327; Jan. 12; Serial No. 382,602; published Nov. 3, 1936. Class 6.
Pilgrim Electric Corporation, New York, N. Y. Microphones, radio sets, transformers, etc. 342,273; Jan. 12; Serial No. 381,390; published Nov. 3, 1936. Class 21.
Pitman-Moore Company, Indianapolis, Ind. Liquid compound for use in certain respiratory disturbances in domestic animals. 342,300; Jan. 12; Serial No. 382,171; published Oct. 20, 1936. Class 6.
Pitman-Moore Company, Indianapolis, Ind. Liquid preparation for the relief of cough. 342,301; Jan. 12; Serial No. 382,172; published Oct. 20, 1936. Class 6.
Pitman-Moore Company, Indianapolis, Ind. Bacterial product. 342,302; Jan. 12; Serial No. 382,173; published Oct. 20, 1936. Class 6.
Pollak, Henry, Inc., New York, N. Y. Straw hat bodies. 342,397; Jan. 12. Class 39.
Portable Light Co., Inc., The, New York, N. Y. Searchlights. 342,398–9; Jan. 12. Class 21.
Portable Light Co., Inc., The, New York, N. Y. Electrical horns. 342,400; Jan. 12. Class 21.
Poythress, Wm. P., & Co., Inc., Richmond, Va. Diuretic drug. 342,305; Jan. 12; Serial No. 382,234; published Oct. 20, 1936. Class 6.
Proctor, Maurice E., doing business as Proctors Products Co., New Haven, Conn. Razor blades. 342,374; Jan. 12; Serial No. 383,783; published Nov. 3, 1936. Class 23.
Publicker Commercial Alcohol Company, Philadelphia, Pa. Anti-freeze preparations. 342,264–5; Jan. 12; Serial Nos. 381,110–11; published Oct. 27, 1936. Class 6.
Rath Packing Company, The, Waterloo, Iowa. Dry sausage. 342,328; Jan. 12; Serial No. 382,603; published Nov. 3, 1936. Class 46.
RCA Manufacturing Company, Inc., Camden, N. J. Cathode ray tubes and thermionic tubes. 342,360; Jan. 12; Serial No. 383,103; published Nov. 3, 1936. Class 21.
Republic Pictures Corporation, New York, N. Y. Motion pictures and motion picture films. 342,355; Jan. 12; Serial No. 383,070; published Nov. 3, 1936. Class 26.
Rex Pharmacy, Inc., Seattle, Wash. Oxalic acid, paregoric, lime water, etc. 342,288; Jan. 12; Serial No. 381,783; published Oct. 27, 1936. Class 6.
Rhodes, James H., & Company, Chicago, Ill. Steel wool. 342,244–5; Jan. 12; Serial Nos. 379,900–901; published Oct. 27, 1936. Class 4.

Richards, Dr. (See Ford Hopkins Company.)
Rock-A-Bye Company, New York, N. Y. Soaps. 342,366; Jan. 12; Serial No. 383,181; published Oct. 27, 1936. Class 4.
Rodman, Pearl, Waxhaw, N. C. Antiseptic solution for cuts, burns, etc. 342,344; Jan. 12; Serial No. 382,889; published Oct. 27, 1936. Class 6.
Royale Radio Manufacturing Co. (See Hulbert, R. C.)
Royalton Face Brick Co., Middletown, Pa. Cellular bricks. 342,280; Jan. 12; Serial No. 381,821; published Oct. 27, 1936. Class 12.
Rutland Brothers, Inc., doing business as Rutland's, St. Petersburgh, Fla. Perfume. 342,276; Jan. 12; Serial No. 381,425; published Nov. 3, 1936. Class 6.
Safety Steering Stabilizer Company, Pittsburgh, Pa. Automobile steering stabilizers. 342,236; Jan. 12; Serial No. 377,023; published Nov. 3, 1936. Class 19.
Sandstone, Harvey D., Portland, Oreg. Electro-therapeutic massage devices. 342,255; Jan. 12; Serial No. 380,872; published Nov. 3, 1936. Class 44.
Schering Corporation, Bloomfield, N. J. Crystalline dihydro follicular hormone. 342,338; Jan. 12; Serial No. 382,771; published Oct. 27, 1936. Class 6.
Schlamp, Fred. J., Queens, Long Island, N. Y. Coffee and tea. 342,339; Jan. 12; Serial No. 382,772; published Nov. 3, 1936. Class 46.
Schlicht, Carl R., doing business as Inter-Lox Steel Co., La Crosse, Wis. Preformed sheets of metal. 342,356; Jan. 12; Serial No. 383,071; published Nov. 3, 1936. Class 12.
Scotland, Bayard S., doing business as Sun-Flake Co., Joliet, Ill. Rolled oats. 342,401; Jan. 12. Class 46.
Scovill Manufacturing Company, Waterbury, Conn. Flash lights. 342,367; Jan. 12; Serial No. 383,182; published Nov. 3, 1936. Class 21.
Served, Inc., New York, N. Y. Air conditioning apparatus. 342,216; Jan. 12; Serial No. 363,067; published Nov. 3, 1936. Class 34.
Simonds Saw and Steel Company, Fitchburg, Mass. Saw bits. 342,257; Jan. 12; Serial No. 380,721; published Nov. 3, 1936. Class 23.
Skybryte Company, The, Cleveland, Ohio. Rust inhibitive compounds. 342,290; Jan. 12; Serial No. 381,823; published Oct. 27, 1936. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid petroleum gases. 342,330; Jan. 12; Serial No. 382,637; published Nov. 3, 1936. Class 6.
Soprani, Inc., Chicago, Ill. Accordions. 342,362; Jan. 12; Serial No. 383,142; published Nov. 3, 1936. Class 36.
Sports Guild Inc., New York, N. Y. Women's apparel and sports wear. 342,402; Jan. 12. Class 39.
Standard Fruits, Inc., Wenatchee, Wash. Fresh apples. 342,363; Jan. 12; Serial No. 383,143; published Nov. 3, 1936. Class 46.
Sun-Flake Co. (See Scotland, Bayard S.)
Taormina Corporation, Donna, Tex. Canned vegetables. 342,320; Jan. 12; Serial No. 382,535; published Nov. 3, 1936. Class 46.
Tay-Ban Co., The. (See Banta, Edwin.)
Thorkelsson Limited, Winnipeg, Manitoba, Canada. Insulating composition. 342,403; Jan. 12. Class 12.
Tingue, Brown & Co., New York, N. Y. Mesh net containers for use in laundries. 342,271; Jan. 12; Serial No. 381,339; published Nov. 3, 1936. Class 24.
Tingue, Brown & Co., New York, N. Y. Mesh net containers for use in laundries. 342,272; Jan. 12; Serial No. 381,347; published Nov. 3, 1936. Class 24.
Trebor Chemical Company, Inc., New York, N. Y. Nasal preparation. 342,223; Jan. 12; Serial No. 373,512; published Sept. 1, 1936. Class 6.
Trebor Chemical Co. Inc., New York, N. Y. Douche powder. 342,310; Jan. 12; Serial No. 382,366; published Oct. 20, 1936. Class 6.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns for art needlework. 342,404; Jan. 12. Class 43.
United States Rubber Products, Inc., New York, N. Y. Pneumatic tires. 342,361; Jan. 12; Serial No. 383,110; published Nov. 3, 1936. Class 35.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 342,405; Jan. 12. Class 22.
Vandewater, Jay, doing business as Atlas Chem. Products Co., Jersey City, N. J. Compound in powder form used for cleaning purposes. 342,217; Jan. 12; Serial No. 367,843; published Oct. 8, 1935. Class 4.
Veritas Products Co. (See Malis, Irving H.)
Vial, Henri, Lyon, France. Pharmaceutical wine. 342,246; Jan. 12; Serial No. 379,914; published Oct. 27, 1936. Class 6.
Vita-Glo Company. (See Brick, Arthur R.)
Voorhis-Tiebout Company, Inc., Rhinebeck, N. Y. Soap. 342,281; Jan. 12; Serial No. 381,503; published Oct. 27, 1936. Class 4.
Waco Drug Company, Portland, Oreg. Liquid medicinal preparation. 342,311; Jan. 12; Serial No. 382,369; published Oct. 27, 1936. Class 6.
Whittemore-Wright Company, Inc., Charlestown, Mass. Oils for cleaning wood, metal, etc. 342,268; Jan. 12; Serial No. 381,181; published Oct. 27, 1936. Class 4.
Wilier, William, doing business as Wilier Laboratories, New York, N. Y. Mouth wash and gargle. 342,406; Jan. 12. Class 6.
Williams & Company. (See Funston, D., Company.)
Windsor-Lloyd Products, Inc., doing business as Booster Chemical and Engineering Company, Baltimore, Md., and Wilmington, Del. Motor lubricating oils. 342,269; Jan. 12; Serial No. 381,184; published Nov. 3, 1936. Class 15.
Winship, Charles N., doing business as Winship, Bolt & Co., Wakefield, Mass. Misses' and women's underwear. 342,407; Jan. 12. Class 39.
Wolf, Jacques, & Company, Passaic, N. J. Enzymic preparation produced upon and within a cereal base. 342,343; Jan. 12; Serial No. 382,851; published Oct. 27, 1936. Class 6.
Wolfe, Virginia P., St. Augustine, Fla. Body powder. 342,280; Jan. 12; Serial No. 381,542; published Oct. 27, 1936. Class 6.
Worcester Salt Company, New York, N. Y. Salt blocks for live stock. 342,319; Jan. 12; Serial No. 382,503; published Nov. 3, 1936. Class 46.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Cereal germ oils. 342,225; Jan. 12; Serial No. 374,350; published Oct. 20, 1936. Class 6.
Zinsser & Company, Inc., Hastings-upon-Hudson, N. Y. Chemical product for preserving wood, etc. 342,226; Jan. 12; Serial No. 374,994; published Oct. 27, 1936. Class 6.
Zinsser & Co., Inc., Hastings-upon-Hudson, N. Y. Dyestuffs. 342,322; Jan. 12; Serial No. 382,579; published Nov. 3, 1936. Class 6.

LIST OF REGISTRANTS OF LABELS

Borden Company, The, New York, N. Y. Borden's Eggs. For Eggs. 48,715; Jan. 12.
Brentwood Produce Association, Brentwood, Calif. Lord Byron. For Fresh Tomatoes. 48,716; Jan. 12.
Bromo-Mint Company, Inc., Selinsgrove, Pa. Crotzer's Effervescent Bromo-Mint With Caffeine. For Preparation for Simple Headaches. 48,717; Jan. 12.
Collyrium Incorporated, New York, N. Y. Collyrium Duo Purpose Eye Salve. For Eye Salve. 48,718; Jan. 12.
Colonial Works, Brooklyn, N. Y. Indorlite White. For Paint Products. 48,719; Jan. 12.
Crimson Coach, Inc., Toledo, Ohio. Double Check. For Chewing Tobacco. 48,720; Jan. 12.
Dixie-Vortex Company, Chicago, Ill., and Easton, Pa. Tak-A-Long Sundae. For Sundaes. 48,721; Jan. 12.
Heilman, G., Brewing Co., La Crosse, Wis. Grenadier Beer. For Beer. 48,722; Jan. 12.
Hills Brothers Company, The, New York, N. Y. Dromedary Baked Apples. For Baked Apples. 48,723; Jan. 12.
Kemp, E. F., Inc., Somerville, Mass. Kemp's Peanut Butter Chips. For Peanut Butter Chips. 48,724; Jan. 12.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. A Treasure Chest of Old-Fashioned Cookies. For Cookies. 48,725; Jan. 12.
Lenwells, Inc., Chicago, Ill. Closhave Triple Action Brushless Shave. For Brushless Shaving Cream. 48,726; Jan. 12.
Mortimer, Frank H., Trustee in Bankruptcy for the Standard Brewing Company, Inc., New Orleans, La. Wirthbru. For Beer. 48,727; Jan. 12.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Taps. For Insect Spray. 48,728; Jan. 12.
Polk Miller Products Corp., Richmond, Va. Sergeant's. For Disinfectant. 48,729; Jan. 12.
Standard Brewing Company, Inc., The. (See Mortimer, Frank H., trustee.)
Sunflower Packing Corp., Porterville, Calif. Porter. For Fresh Oranges. 48,730; Jan. 12.
Washington Brewery, Inc., Washington, D. C. Royal Pilsen. For Beer. 48,731; Jan. 12.

LIST OF REGISTRANTS OF PRINTS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Brand Sliced Bacon. For Bacon. 15,993; Jan. 12.
Gluckstein, Francesca, London, England. Mazzolaid. For a First Aid Container and Equipment. 15,994–5; Jan. 12.
Phillips, P., Company, Orlando and Doctor Phillips, Fla. Dr. Phillips Oranges, Grapefruit and Tangerines. For Oranges, Grapefruit, and Tangerines. 15,996; Jan. 12.
Pittsburgh Coal Company of Iconsin, Minneapolis, Minn. Old Faithful. For Coal. 15,997; Jan. 12.
Rubel Baking Company, The, Cincinnati, Ohio. The Freshest Thing in Town. For Bread. 15,998; Jan. 12.
Sheeran, James J., Brooklyn, N. Y. Size Marker Pipe Caps for Thread and Duct Protection. For Pipe Caps. 15,999; Jan. 12.
Wyomissing Glazed Paper Company, West Reading, Pa. Lengthen the Life Line of Your Package. For Glazed Paper. 16,000; Jan. 12.
Wyomissing Glazed Paper Company, West Reading, Pa. Color Without Ink Gloss Without Varnish. For Glazed Paper. 16,000; Jan. 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 3

Bags, ladies' overnight traveling cases, luggage carrying cases, etc., Hand traveling. Carson Pirie Scott and Company. 342,313; Jan. 12; Serial No. 382,425; published Nov. 3, 1936.

CLASS 4

Cleaning compound. J. D. Nicholas. 342,247; Jan. 12; Serial No. 379,992; published Oct. 27, 1936.
Cleanser, Liquid. F. G. Bolte, Jr. 342,253; Jan. 12; Serial No. 380,495; published Oct. 27, 1936.
Cleansing powder. Bon Ami Company. 342,279; Jan. 12; Serial No. 381,475; published Oct. 27, 1936.
Compound in powder form used for cleaning purposes. J. Vandewater. 342,217; Jan. 12; Serial No. 367,843; published Oct. 8, 1935.
Creams and powders, Shaving. Bertin-Seymour. 342,241; Jan. 12; Serial No. 378,643; published Oct. 27, 1936.
Oils for cleaning wood, metal, etc. Whittemore-Wright Company. 342,268; Jan. 12; Serial No. 381,181; published Oct. 27, 1936.
Polishes and shoe polish and scrubbing powder, Metal. V. H. Greffoz. 342,235; Jan. 12; Serial No. 376,673; published Oct. 27, 1936.
Pumice. Barnsdall Tripoli Corporation. 342,376; Jan. 12.
Soap. Voorhis-Tiebout Company. 342,281; Jan. 12; Serial No. 381,503; published Oct. 27, 1936.
Soaps. D. Daltroff & Cie. 342,219; Jan. 12; Serial No. 371,858; published Aug. 4, 1936.
Soaps. Rock-A-Bye Company. 342,366; Jan. 12; Serial No. 383,181; published Oct. 27, 1936.
Steel wool. James H. Rhodes & Company. 342,244–5; Jan. 12; Serial Nos. 379,900–1; published Oct. 27, 1936.

CLASS 5

Adhesives, Artificial resin-containing. I. G. Farbenindustrie Aktiengesellschaft. 342,347; Jan. 12; Serial No. 382,955; published Nov. 3, 1936.
Dressing to be applied to rugs. E. J. De Goller. 342,340; Jan. 12; Serial No. 382,789; published Nov. 3, 1936.

CLASS 6

Alcohol and radiator anti-freeze compositions, Denatured. Allied Industrial Alcohol Corporation. 342,285; Jan. 12; Serial No. 381,700; published Oct. 27, 1936.
Alcohol, Denatured. Allied Industrial Alcohol Corporation. 342,286–7; Jan. 12; Serial Nos. 381,701–2; published Oct. 27, 1936.
Analgesic, Liquid. Norwich Pharmacal Company. 342,333; Jan. 12; Serial No. 382,672; published Nov. 3, 1936.
Anti-freeze preparations. Publicker Commercial Alcohol Company. 342,264–5; Jan. 12; Serial No. 381,110–11; published Oct. 27, 1936.
Antiseptic and therapeutic ointment. Hydroxsul, Inc. 342,270; Jan. 12; Serial No. 381,313; published Oct. 27, 1936.
Antiseptic solution. P. Rodman. 342,344; Jan. 12; Serial No. 382,889; published Oct. 27, 1936.
Astringent, face powder, rouge, etc., Liquid. Intl Salons, Inc. 342,297–8; Jan. 12; Serial Nos. 382,094–5; published Oct. 27, 1936.
Bacterial product. Pitman-Moore Company. 342,302; Jan. 12; Serial No. 382,173; published Oct. 20, 1936.
Bay rum, mouth washes, perfumes, etc. Normitol, Incorporated. 342,337; Jan. 12; Serial No. 382,764; published Nov. 3, 1936.
Cereal germ oils. John Wyeth & Brother, Incorporated. 342,225; Jan. 12; Serial No. 374,350; published Oct. 20, 1936.
Chemical compound. E. I. du Pont de Nemours and Company. 342,209; Jan. 12; Serial No. 382,148; published Oct. 20, 1936.
Chemical compounds. Merck & Co. Inc. 342,349; Jan. 12; Serial No. 382,984; published Nov. 3, 1936.
Chemical compounds. Merck & Co. Inc. 342,358; Jan. 12; Serial No. 383,099; published Nov. 3, 1936.
Chemical product for preserving wood, etc. Zinsser & Company. 342,226; Jan. 12; Serial No. 374,994; published Oct. 27, 1936.
Chemicals. National Aluminate Corporation. 342,307; Jan. 12; Serial No. 382,274; published Oct. 20, 1936.
Cosmetics. Physician Prescribed Cosmetic Laboratories, Inc. 342,327; Jan. 12; Serial No. 382,602; published Nov. 3, 1936.
Cough syrup. O. H. D. Co. 342,282; Jan. 12; Serial No. 381,638; published Oct. 27, 1936.
Diuretic drug. Wm. P. Poythress & Co. 342,305; Jan. 12; Serial No. 382,234; published Oct. 20, 1936.
Dyestuffs. Zinsser & Co. 342,322; Jan. 12; Serial No. 382,579; published Nov. 3, 1936.
Enzyme preparation produced upon and within a cereal base. Jacques Wolf & Company. 342,343; Jan. 12; Serial No. 382,851; published Oct. 27, 1936.
Hair preparation. F. Chatman. 342,303; Jan. 12; Serial No. 382,203; published Oct. 20, 1936.
Hormone, Crystalline dihydro follicular. Schering Corporation. 342,338; Jan. 12; Serial No. 382,771; published Oct. 27, 1936.
Intravenous solutions. Endo Products, Inc. 342,266; Jan. 12; Serial No. 381,153; published Oct. 27, 1936.
Laxative. Bisco Laboratories, Inc. 342,277; Jan. 12; Serial No. 381,444; published Oct. 27, 1936.
Laxative, Camlax Company. 342,325–6; Jan. 12; Serial Nos. 382,588–9; published Nov. 3, 1936.
Liquid compound for use in certain respiratory disturbances in domestic animals. Pitman-Moore Company. 342,300; Jan. 12; Serial No. 382,171; published Oct. 20, 1936.
Liquid treatment for the control of excess fat. E. Banto. 342,324; Jan. 12; Serial No. 382,584; published Nov. 3, 1936.
Lotion, Skin and scalp. Lindsay Ripe Olive Company. 342,308; Jan. 12; Serial No. 382,317; published Oct. 20, 1936.
Lotions, Permanent waving. American Yvette Company. 342,335; Jan. 12; Serial No. 382,705; published Nov. 3, 1936.
Medicated chewing gum. B. Bolté. 342,336; Jan. 12; Serial No. 382,708; published Oct. 27, 1936.
Medicinal preparation. Biogene Chemical Company. 342,229–31; Jan. 12; Serial Nos. 376,031–3; published Oct. 27, 1936.
Medicinal preparation. M. L. N. de Padilla. 342,237; Jan. 12; Serial No. 377,124; published Oct. 6, 1936.
Medicinal preparation. Etablissements Pastival, Société à responsabilité limitée. 342,250; Jan. 12; Serial No. 380,137; published Oct. 27, 1936.
Medicinal preparation. E. T. Krebs. 342,304; Jan. 12; Serial No. 382,225; published Oct. 20, 1936.
Medicinal preparation, Liquid. Waco Drug Company. 342,311; Jan. 12; Serial No. 382,369; published Oct. 27, 1936.
Medicine. Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts. 342,267; Jan. 12; Serial No. 381,157; published Oct. 27, 1936.
Medicine, Garlinger & Co. 342,318; Jan. 12; Serial No. 382,470; published Oct. 27, 1936.
Medicine, Pellagra. Mason Medicine Co. 342,314; Jan. 12; Serial No. 382,434; published Nov. 3, 1936.
Mouth wash and gargle. W. Willer. 342,406; Jan. 12.
Nasal preparation. Trebor Chemical Company. 342,223; Jan. 12; Serial No. 373,512; published Sept. 1, 1936.
Ointment. R. P. Helm. 342,278; Jan. 12; Serial No. 381,457; published Oct. 27, 1936.
Oxalic acid, paregoric, lime water, etc. Rex Pharmacy, Inc. 342,288; Jan. 12; Serial No. 381,783; published Oct. 27, 1936.
Perfume. Rutland Brothers, Inc. 342,276; Jan. 12; Serial No. 381,425; published Nov. 3, 1936.
Perfumes, toilet waters, face and toilet powders, etc. E. Daltroff & Cie. 342,220; Jan. 12; Serial No. 371,859; published Aug. 4, 1936.
Petroleum gases, Liquid. Socony-Vacuum Oil Company. 342,330; Jan. 12; Serial No. 382,637; published Nov. 3, 1936.
Pharmaceutical wine. H. Vial. 342,246; Jan. 12; Serial No. 379,914; published Oct. 27, 1936.
Powder, Body. V. P. Wolfe. 342,280; Jan. 12; Serial No. 381,542; published Oct. 27, 1936.

Powder, Douche. Trebor Chemical Co. Inc. 342,310; Jan. 12; Serial No. 382,366; published Oct. 20, 1936.
Powder, Foot. Ford Hopkins Company. 342,317; Jan. 12; Serial No. 382,469; published Nov. 3, 1936.
Preparation for skin diseases. P. Metadier. 342,321; Jan. 12; Serial No. 382,563; published Oct. 27, 1936.
Preparation for the relief of cough, Liquid. Pitman-Moore Company. 342,301; Jan. 12; Serial No. 382,172; published Oct. 20, 1936.
Preparation for the treatment of nervous diseases, tonics for the nerves, etc. Etablissements Pastival, Société à responsabilité limitée. 342,251; Jan. 12; Serial No. 380,142; published Nov. 3, 1936.
Preparations for treating printing plates. O. Ellert. 342,249; Jan. 12; Serial No. 380,099; published Oct. 27, 1936.
Preparations in the form of powder or liquid for stopping hemorrhage. Naamlooze Vennootschap Sangostop. 342,221; Jan. 12; Serial No. 372,327; published Oct. 27, 1936.
Product specially prepared for the treatment of minor irritations of the eyes. Norwich Pharmacal Company. 342,332; Jan. 12; Serial No. 382,671; published Nov. 3, 1936.
Resins and waxes or wax-like bodies used for a coating for paper and board, Complex mixture of. Paper Makers Chemical Corporation. 342,248; Jan. 12; Serial No. 380,017; published Nov. 3, 1936.
Rust inhibitive compounds. Skybryte Company. 342,290; Jan. 12; Serial No. 3381,823; published Oct. 27, 1936.
Salve. G. V. Kircoff. 342,292; Jan. 12; Serial No. 381,897; published Oct. 27, 1936.
Sclerosing solution. D. Funston Company. 342,306; Jan. 12; Serial No. 382,267; published Oct. 20, 1936.
Sensitizer base. T. Holland. 342,242; Jan. 12; Serial No. 379,091; published Oct. 27, 1936.
Toilet articles. Bloomingdale Bros., Inc. 342,240; Jan. 12; Serial No. 378,551; published Oct. 27, 1936.
Tonic, General. E. Lindon. 342,256; Jan. 12; Serial No. 380,711; published Oct. 27, 1936.
Tooth paste and mouth wash. G. C. Buxton. 342,213; Jan. 12; Serial No. 353,208; published Sept. 18, 1934.
Tooth powder and mouth wash. Denti-Set Corporation. 342,345; Jan. 12; Serial No. 382,907; published Oct. 27, 1936.
Wave solutions, wave set that is a solution used in giving finger waves, Permanent. E. Morris Manufacturing Co. 342,293; Jan. 12; Serial No. 381,916; published Oct. 27, 1936.
Waving solution, Permanent. Perfo Company. 342,312; Jan. 12; Serial No. 382,393; published Oct. 20, 1936.

CLASS 12

Bricks, Cellular. Royalton Face Brick Co. 342,289; Jan. 12; Serial No. 381,821; published Oct. 27, 1936.
Insulating composition. Thorkelsson Limited. 342,403; Jan. 12.
Metal, Preformed sheets of. G. R. Schlicht. 342,356; Jan. 12; Serial No. 383,071; published Nov. 3, 1936.
Paving materials. Andresen Corporation. 342,323; Jan. 12; Serial No. 382,583; published Oct. 20, 1936.
Refractory, Castable. A. P. Green Fire Brick Company. 342,309; Jan. 12; Serial No. 382,352; published Oct. 20, 1936.
Roofing. Barret Company. 342,377; Jan. 12.
Windows and window frames. N. S. W. Company. 342,294; Jan. 12; Serial No. 381,993; published Oct. 27, 1936.

CLASS 14

Ferro-alloy briquets. Electro Metallurgical Company. 342,353; Jan. 12; Serial No. 383,054; published Nov. 3, 1936.

CLASS 15

Candles. Emery Industries, Inc. 342,383; Jan. 12.
Filling station supplies of liquid and semi-liquid. Automobile. Hickok Oil Corporation. 342,239; Jan. 12; Serial No. 378,434; published Nov. 3, 1936.
Oils, Motor lubricating. Windsor-Lloyd Products, Inc. 342,269; Jan. 12; Serial No. 381,184; published Nov. 3, 1936.

CLASS 16

Paints and paint enamels, Ready-mixed. Faust-Booth Paint Company. 342,222; Jan. 12; Serial No. 372,592; published Nov. 3, 1936.
Paints, paint enamels, and varnishes, Ready-mixed. Elliott Paint & Varnish Company. 342,334; Jan. 12; Serial No. 375,845; published Nov. 3, 1936.

CLASS 19

Aeroplanes and structural parts of aeroplanes. Dornier-Metallbauten G. m. b. H. 342,233–4; Jan. 12; Serial No. 376,665–6; published Nov. 3, 1936.
Steering stabilizers, Automobile. Safety Steering Stabilizer Company. 342,236; Jan. 12; Serial No. 377,023; published Nov. 3, 1936.
Vehicle parts, Used motor. J. M. Hensley. 342,227; Jan. 27; Serial No. 375,845; published Nov. 3, 1936.

CLASS 21

Clamps for electrical conductors. Ohio Brass Company. 342,316; Jan. 12; Serial No. 382,442; published Nov. 3, 1936.
Electrical horns. Portable Light Co. 342,400; Jan. 12.
Electrical wires, cables, and conductors. General Electric Company. 342,357; Jan. 12; Serial No. 383,092; published Nov. 3, 1936.
Flash lights. Scovill Manufacturing Company. 342,367; Jan. 12; Serial No. 383,182; published Nov. 3, 1936.
Microphones, radio sets, transformers, etc. Pilgrim Electric Corporation. 342,273; Jan. 12; Serial No. 381,390; published Nov. 3, 1936.
Radio receiving sets. R. C. Hulbert. 342,218; Jan. 12; Serial No. 369,360; published Dec. 24, 1935.
Searchlights. Portable Light Co. 342,398–9; Jan. 12.
Tubes and thermionic tubes, Cathode ray. RCA Manufacturing Company. 342,360; Jan. 12; Serial No. 383,103; published Nov. 3, 1936.

CLASS 22

Cards, Playing. United States Playing Card Company. 342,405; Jan. 12.
Dolls, costumes for dolls, parts for costumes for dolls, etc. Ideal Novelty & Toy Company. 342,370; Jan. 12; Serial No. 383,357; published Nov. 3, 1936.
Games, Card. G. J. Kelly. 342,368; Jan. 12; Serial No. 383,212; published Nov. 3, 1936.

CLASS 23

Bushings and metal and graphite bearings and bushings, Self-lubricating trolley-wheel. Graphite Lubricating Company. 116,521; renewed May 8, 1937.
Milking machines and parts thereof. International Harvester Company. 342,351–2; Jan. 12; Serial No. 383,019–20; published Nov. 3, 1936.
Palettes, palette and paint knives, canvas stretching pliers. Nippon Merchandise Co. 342,396; Jan. 12.
Razor blades. Cooper & Cooper, Inc. 342,364; Jan. 12; Serial No. 383,159; published Nov. 3, 1936.
Razor blades. M. E. Proctor. 342,374; Jan. 12; Serial No. 383,783; published Nov. 3, 1936.
Saw bits. Simonds Saw and Steel Company. 342,257; Jan. 12; Serial No. 380,721; published Nov. 3, 1936.
Tools and blades therefor, Gear cutting. Gleason Works. 342,386; Jan. 12.

CLASS 24

Containers for use in laundries, Mesh net. Tingue, Brown & Co. 342,271; Jan. 12; Serial No. 381,339; published Nov. 3, 1936.
Containers for use in laundries, Mesh net. Tingue, Brown & Co. 342,272; Jan. 12; Serial No. 381,347; published Nov. 3, 1936.

CLASS 26

Machine for determining and indicating the hardness of metallic coatings. B. R. Haueisen. 342,284; Jan. 12; Serial No. 381,671; published Nov. 3, 1936.
Pictures and motion picture films, Motion. Republic Pictures Corporation. 342,355; Jan. 12; Serial No. 383,070; published Nov. 3, 1936.
Pyrometers, Automatic optical. Minneapolis-Honeywell Regulator Company. 342,365; Jan. 12; Serial No. 383,173; published Nov. 3, 1936.
Thermostatic temperature controls. Minneapolis-Honeywell Regulator Company. 342,232; Jan. 12; Serial No. 376,484; published Nov. 3, 1936.

CLASS 28

Chains, money holders, and cuff links, etc., Key. Hickok Manufacturing Company. 342,261; Jan. 12; Serial No. 380,991; published Nov. 3, 1936.

CLASS 34

Air conditioning apparatus. Cleveland Heater Company. 342,238; Jan. 12; Serial No. 377,181; published Nov. 3, 1936.
Air conditioning apparatus. Servel, Inc. 342,216; Jan. 12; Serial No. 363,067; published Nov. 3, 1936.
Burners and parts thereof, Oil. Century Engineering Corporation. 342,254; Jan. 12; Serial No. 380,548; published Nov. 3, 1936.

CLASS 35

Packing, Machinery. Anchor Packing Company. 342,295; Jan. 12; Serial No. 382,032; published Nov. 3, 1936.
Tires, Pneumatic. United States Rubber Products, Inc. 342,361; Jan. 12; Serial No. 383,110; published Nov. 3, 1936.
Tires, Vehicle. Fisk Rubber Corporation. 342,384; Jan. 12.

CLASS 36

Accordions. Soprani, Inc. 342,362; Jan. 12; Serial No. 383,142; published Nov. 3, 1936.

CLASS 37

Covers for books. Holden Patent Book Cover Company. 342,389; Jan. 12.
Sheets made of paper, Absorbent face cleansing. International Cellucotton Products Company. 342,390–1; Jan. 12.

CLASS 39

Apparel and sports wear, Women's. Sports Guild Inc. 342,402; Jan. 12.
Coats and suits, Women's and misses'. A. Davis & Sons, Inc. 342,379; Jan. 12.
Dresses, blouses, and jumpers. L. J. Goldberger. 342,387; Jan. 12.
Dresses, coats and suits. B. G. Garment Co. 342,375; Jan. 12.

Hat bodies, Straw. Henry Pollak, Inc. 342,397; Jan. 12.
Hats and caps. La Salle Hat Company. 342,393; Jan. 12.
Hosiery, Women's. Elder and Johnston Company. 342,382; Jan. 12.
Shirts, negligée shirts, and undershirts, etc., Woven. Jacob Miller, Sons & Company. 110,603; renewed June 6, 1936.
Shirts, shorts, undershirts, etc., Polo. Luxuray, Inc. 342,394; Jan. 12.
Slips, Ladies'. H. S. Petticoat Co. 342,388; Jan. 12.
Suits, overcoats, top coats, etc. Clemons, Inc. 342,378; Jan. 12.
Underwear, Misses' and women's. C. N. Winship. 342,407; Jan. 12.

CLASS 42

Carpets, rugs, and upholstery fabrics. International Looms, Inc. 342,341; Jan. 12; Serial No. 382,796; published Nov. 3, 1936.
Pile fabrics. Marcus Brothers. 342,252; Jan. 12; Serial No. 380,174; published Oct. 27, 1936.
Textile fabrics. North Carolina Fabrics Corporation. 342,348; Jan. 12; Serial No. 382,960; published Oct. 27, 1936.
Towels and toweling. Co-Operative Mfg. Co. 342,296; Jan. 12; Serial No. 382,089; published Nov. 3, 1936.
Woolen piece goods. Alexander Woolen Company. 342,258–60; Jan. 12; Serial No. 380,982–4; published Nov. 3, 1936.

CLASS 43

Thread and yarn. Kahn & Feldman, Inc. 342,392; Jan. 12.
Yarns for art needlework. Bernhard Ulmann Co. Inc. 342,404; Jan. 12.

CLASS 44

Absorbent cotton. Forest City Rubber Company. 342,342; Jan. 12; Serial No. 382,826; published Nov. 3, 1936.
Massage devices, Electro-therapeutic. H. D. Sandstone. 342,255; Jan. 12; Serial No. 380,672; published Nov. 3, 1936.
Pads for permanent waving of hair. de Roos-Sternheim Company. 342,380; Jan. 12.
Vaginal diaphragms. I. H. Malis. 342,354; Jan. 12; Serial No. 383,068; published Nov. 3, 1936.

CLASS 45

Concentrates, syrups, flavors, and emulsions for beverage purposes. Mutual Citrus Products Co. 342,315; Jan. 12; Serial No. 382,441; published Nov. 3, 1936.

CLASS 46

Apples, Fresh. Standard Fruits, Inc. 342,363; Jan. 12; Serial No. 383,143; published Nov. 3, 1936.
Candy. Oswego Candy Works, Inc. 342,359; Jan. 12; Serial No. 383,102; published Nov. 3, 1936.
Canned fruits. Hawaiian Pineapple Comany. 342,350; Jan. 12; Serial No. 383,015; published Nov. 3, 1936.
Canned sardines. Fish Packers, Inc. 342,224; Jan. 12; Serial No. 374,046; published Nov. 3, 1936.
Canned vegetables. Taormina Corporation. 342,320; Jan. 12; Serial No. 382,535; published Nov. 3, 1936.
Canned vegetables and frozen vegetables. Eastern Shore Canning Co. Inc. 342,381; Jan. 12.
Canned vegetables and frozen vegetables in cans. Eastern Shore Canning Co. 342,331; Jan. 12; Serial No. 382,661; published Nov. 3, 1936.
Coffee. Kennedy & Co. 342,263; Jan. 12; Serial No. 381,109; published Nov. 3, 1936.
Coffee and tea. F. J. Schlamp. 342,339; Jan. 12; Serial No. 382,772; published Nov. 3, 1936.
Coffee, tea, spices, etc. G. W. Kuntz. 342,320; Jan. 12; Serial No. 382,632; published Nov. 3, 1936.
Confections, Frozen. Joe Lowe Corporation. 342,262; Jan. 12; Serial No. 381,037; published Nov. 3, 1936.
Cookies, Assorted sweet. Burry Biscuit Corporation. 342,243; Jan. 12; Serial No. 379,734; published Oct. 20, 1936.
Egg products. Emulsol Corporation. 342,214; Jan. 12; Serial No. 358,837; published Nov. 3, 1936.
Flour, Wheat. Commander-Larabee Milling Company. 342,283; Jan. 12; Serial No. 381,662; published Nov. 3, 1936.
Flour, Wheat. Dixie Stores, Incorporated. 342,346; Jan. 12; Serial No. 382,909; published Nov. 3, 1936.
Foods. Chamberlain & Company. 116,506; renewed May 8, 1937.
Fruit compound. A. R. Brick. 342,291; Jan. 12; Serial No. 381,834; published Nov. 3, 1936.
Milk, dried buttermilk, and processed feeding malt flour, Blend of dried skimmed. Gerard Milk Products Company. 342,385; Jan. 12.
Milk, Evaporated. Pevely Dairy Company. 342,228; Jan. 12; Serial No. 376,004; published May 12, 1936.
Oats, Rolled. B. S. Scotland. 342,401; Jan. 12.
Salt blocks for live stock. Worcester Salt Company. 342,319; Jan. 12; Serial No. 382,503; published Nov. 3, 1936.
Sausage, Dry. Rath Packing Company. 342,328; Jan. 12; Serial No. 382,603; published Nov. 3, 1936.

CLASS 48

Malt, cereal beverage. Maier Brewing Company. 342,212; Jan. 12; Serial No. 341,092; published Nov. 3, 1936.

CLASS 49

Rum. Austin, Nichols & Co. 342,371; Jan. 12; Serial No. 383,423; published Nov. 3, 1936.
Rum. Bloomingdale Bros., Inc. 342,369; Jan. 12; Serial No. 383,344; published Nov. 3, 1936.
Rum. Compañia Ron Bacardi, S. A. 342,274–5; Jan. 12; Serial No. 381,403–4; published Oct. 27, 1936.
Whiskey. J. C. Millett Co. 342,372; Jan. 12; Serial No. 383,440; published Nov. 3, 1936.
Whiskey, rum, gin, etc. Lynndale Distillery Co. 342,373; Jan. 12; Serial No. 383,591; published Nov. 3, 1936.
Whisky, gin, highland liqueur whisky, etc. Meagher Bros. & Co. Limited. 342,215; Jan. 12; Serial No. 359,919; published Apr. 21, 1936.

CLASS 50

Markers, Grave. Jas. H. Matthews & Co. 342,395; Jan. 12.

LIST OF LABELS

A Treasure Chest of Old-Fashioned Cookies. For Cookies. Kroger Grocery & Baking Company. 48,725; Jan. 12.
Borden's Eggs. For Eggs. Borden Company. 48,715; Jan. 12.
Closhave Triple Action Brushless Shave. For Brushless Shaving Cream. Lenwells, Inc. 48,726; Jan. 12.
Collyrium Duo Purpose Eye Salve. For Eye Salve. Collyrium Incorporated. 48,718; Jan. 12.
Crotzer's Effervescent Bromo-Mint with Caffeine. For Preparation for Simple Headaches. Bromo-Mint Company. 48,717; Jan. 12.
Double Check. For Chewing Tobacco. Crimson Coach, Inc. 48,720; Jan. 12.
Dromedary Baked Apples. For Baked Apples. Hills Brothers Company. 48,723; Jan. 12.
Grenadier Beer. For Beer. G. Heilman Brewing Co. 48,722; Jan. 12.
Indorlite White. For Paint Products. Colonial Works. 48,719; Jan. 12.
Kemp's Peanut Butter Chips. For Peanut Butter Chips. E. F. Kemp, Inc. 48,724; Jan. 12.
Lord Byron. For Fresh Tomatoes. Brentwood Produce Association. 48,716; Jan. 12.
Porter. For Fresh Oranges. Sunflower Packing Corp. 48,730; Jan. 12.
Royal Pilsen. For Beer. Washington Brewery, Inc. 48,731; Jan. 12.
Sergeant's. For Disinfectant. Polk Miller Products Corp. 48,729; Jan. 12.
Tak-A-Long Sundae. For Sundaes. Dixie-Vortex Company. 48,721; Jan. 12.
Taps. For Insect Spray. National Retailer-Owned Grocers, Inc. 48,728; Jan. 12.
Wirthbru. For Beer. F. H. Mortimer. 48,727; Jan. 12.

LIST OF PRINTS

Beech-Nut Brand Sliced Bacon For Bacon. Beech-Nut Packing Company. 15,993; Jan. 12.
Color Without Ink Gloss Without Varnish. For Glazed Paper. Wyomissing Glazed Paper Company. 16,001; Jan. 12.
Dr. Phillips Oranges, Grapefruit and Tangerines. For Oranges, Grapefruit, and Tangerines. P. Phillips Company. 15,996; Jan. 12.
Lengthen the Life Line of Your Package. For Glazed Paper. Wyomissing Glazed Paper Company. 16,000; Jan. 12.
Mazzolaid. For a First Aid Container and Equipment. F. Gluckstein. 15,994–5; Jan. 12.
Old Faithful. For Coal. Pittsburgh Coal Company of Wisconsin. 15,997; Jan. 12.
Size Marker Pipe Caps for Thread and Duct Protection. For Pipe Caps. J. J. Sheeran. 15,999; Jan. 12.
The Freshest Thing in Town. For Bread. Rubel Baking Company. 15,998; Jan. 12.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Telephone and Telegraph Company. (See Mertz, Pierre, assignor.)

American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)

Berry, Harry C., Little Rock, Ark., False teeth. 20,234; Jan. 12.

Boothby, Albion M., Newton, and M. E. Gazette, Boston, Mass., assignors, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Collapsible paper can. 20,235; Jan. 12.

Breyfogel, Albert W., Howard Beach, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y. Printing telegraph system. 20,236; Jan. 12.

Carr, Raymond L., Boston, Mass. Vehicle body. 20,237; Jan. 12.

Crampton, Faust F. (See Vold, Lars H., assignor.)

Gazette, Marshall E. (See Boothby, A. M., and Gazette.)

Hoffman, Charles T., Washington, D. C., assignor to L. M. Keighley, Dayton, Ohio. Automatically defrosting refrigerating units. 20,245; Jan. 12.

Keighley, Lloyd M. (See Hoffman, Charles T., assignor.)

Lamela, Vincent F., Paterson, N. J., E. Pick, New York, N. Y., and W. S. Robertson, Madison, N. J., assignors to The Permutit Company, New York, N. Y. Faucet water softener. 20,238; Jan. 12.

Lily-Tulip Corporation. (See Boothby, A. M., and Gazette, assignors.)

Mertz, Pierre, Bellerose, N. Y., assignor to American Telephone and Telegraph Company. Television. 20,239; Jan. 12.

Owens, Percy R., Scarsdale, N. Y., assignor to Warren Webster & Company, Camden, N. J. Heat controlling system. 20,240; Jan. 12.

Permutit Company, The. (See Lamela, V. F., Pick, and Robertson, assignors.)

Perry, Donald B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Printing telegraph exchange system. 20,241; Jan. 12.

Peterson, Thomas F., Worcester, Mass. High tension cable. 20,244; Jan. 12.

Pick, Eric. (See Lamela, V. F., Pick, and Robertson.)

Robertson, William H., Dayton, Ohio. Internal combustion engine. 20,242; Jan. 12.

Robertson, William S. (See Lamela, V. F., Pick, and Robertson.)

Vold, Lars H., Butler, Pa., assignor to F. F. Crampton, Toledo, Ohio. Defrosting mechanism. 20,243; Jan. 12.

Webster, Warren, & Company. (See Owens, Percy R., assignor.)

Western Union Telegraph Company, The. (See Breyfogel, Albert W., assignor.)

LIST OF PLANT PATENTEES

Baur-Steinkamp and Company. (See Baur, Adolphe F. J., assignor.)

Baur, Adolphe F. J., assignor to Baur-Steinkamp and Company, Incorporated, Indianapolis, Ind. Carnation. 219; Jan. 12.

LIST OF DESIGN PATENTEES

Adams, Wilbur H. (See Roe, M. E., and Adams.)

Adler, Charles, New York, N. Y. Brooch or similar article. 102,709; Jan. 12.

Ainsworth, George, New York, N. Y. Translucent reflector for electric lighting fixtures. 102,672; Jan. 12.

Andres, Lloyd J., Chicago, Ill., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Combination vacuum and pressure treatment cabinet and apparatus. 102,710; Jan. 12.

Automatic Musical Instrument Company. (See Andres, Lloyd J., assignor.)

Berk, Samuel S., assignor to E. I. Fertman, Cleveland, Ohio. Eyeshade or similar article. 102,673; Jan. 12.

Bireley, Frank W., assignor to Bireley's Inc., Los Angeles, Calif. Bottle. 102,674; Jan. 12.

Bireley's Inc. (See Bireley, Frank W., assignor.)

Birnbaum, Leon, New York, N. Y. Lace. 102,711; Jan. 12.

Breakstone, Sidney, New York, N. Y. Textile fabric. 102,675; Jan. 12.

Bridgwater, Herbert E. (See Zellers, J. A., and Bridgwater.)

Carson, Edward B., Fort Myers, Fla. Ironing machine. 102,712; Jan. 12.

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Coleman, Tora, New York, N. Y. Dress. 102,676; Jan. 12.

Colson Corporation, The. (See Roe, M. E., and Adams, assignors.)

Das, Elsie J., Honolulu, Hawaii. Textile fabric or similar article. 102,677; Jan. 12.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture globe. 102,678; Jan. 12.

Excelsior Accordion Manufacturing Co. Inc. (See Pancotti, Roberto, assignor.)

Fay, Charles L., San Francisco, Calif. Cigarette extinguisher. 102,679; Jan. 12.

Fertman, Edwin I. (See Berk, Samuel S., assignor.)

Freysinger, John B., New Britain, Conn. Buckle. 102,680; Jan. 12.

Freysinger, John B., New Britain, Conn. Buckle. 102,681; Jan. 12.

Freysinger, John B., New Britain, Conn. Buckle. 102,682; Jan. 12.

Gibbons, Phil. (See Pemberton, Henry M., assignor.)

Gluck, Joseph, New York, N. Y. Textile fabric. 102,683; Jan. 12.

Gulberson, Gordon G. (See Spiegel, Edward R., assignor.)

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Combined match cluster and holder. 102,713; Jan. 12.

Haas, Frank A., New York, N. Y. Rug or similar article. 102,684; Jan. 12.

Haas, Frank A., New York, N. Y. Rug or similar article. 102,714; Jan. 12.

Haines, Lois, Chicago, Ill. Appliqué emblem or similar article for wearing apparel. 102,715; Jan. 12.

Hanson, Eugene I., New York, N. Y. Textile fabric. 102,685; Jan. 12.

Hanson, Eugene I., New York, N. Y. Textile fabric. 102,686; Jan. 12.

Hanson, Eugene I., New York, N. Y. Textile fabric. 102,716; Jan. 12.

Heiman, Arthur S., New York, N. Y. Textile fabric. 102,687; Jan. 12.

Heiman, Arthur S., New York, N. Y. Textile fabric. 102,688; Jan. 12.

Hills, Frank F. (See Katz, J. A., and Hills.)

Jackson, George McS., Chicago, Ill., assignor to Trenton Potteries Company, Trenton, N. J. Vase. 102,719; Jan. 12.

Kanter, Kallman, New York, N. Y. Textile fabric. 102,717; Jan. 12.

Katz, John A., and F. F. Hills, San Francisco, Calif. Shoe sole. 102,689; Jan. 12.

Kensington, Incorporated. (See Guild, Lurelle, assignor.)

Koolish, Abe L., Chicago, Ill. Globe clock. 102,690; Jan. 12.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Juvenile vehicle. 102,718; Jan. 12.

Kreamer, A., Incorporated. (See Stallings, G. W., and Walker, assignors.)

Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen. 102,720; Jan. 12.

Levy, Adolph, New York, N. Y. Textile fabric. 102,691; Jan. 12.
Markowitz, Jack, New York, N. Y. Knitted fabric. 102,692; Jan. 12.
Matchet, Jamie E., Newark, Ohio, assignor to Verlys of America, Inc., New York, N. Y. Bowl. 102,694; Jan. 102,693; Jan. 12.
Matchet, Jamie E., Newark, Ohio, assignor to Verlys of America, Inc., New York, N. Y. Bowl. 102,694; Jan. 12.
McLellan, Hiram N., Shaker Heights, assignor to The Taylor Chair Company, Bedford, Ohio. Chair. 102,695; Jan. 12.
Meyer, John F., Chicago, Ill. Amusement game apparatus. 102,721; Jan. 12.
Michaels, William, New York, N. Y. Fabric for ladies' shoes and handbags or similar article. 102,722; Jan. 12.
Michaels, William, New York, N. Y. Fabric for ladies' shoes and handbags or similar article. 102,723; Jan. 12.
Miller, Charles, Madison, Wis. Soap chip dispenser or similar article. 102,696; Jan. 12.
Miller Company, The. (See Doane, Leroy C., assignor.)
Mitchell, Ossian K., Chicago, Ill. Clock. 102,697; Jan. 12.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Pedal for bicycles or the like. 102,724; Jan. 12.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined horn and headlight casing for bicycles or the like. 102,725; Jan. 12.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Handlebar post. 102,726; Jan. 12.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined chain and skirt guard for bicycles. 102,727; Jan. 12.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined chain and skirt guard for bicycles. 102,728; Jan. 12.
Morris, Milton, New York, N. Y. Textile fabric. 102,698; Jan. 12.
Murray-Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)
Opsahl, Harold J., Los Angeles, Calif. Color chart. 102,699; Jan. 12.
Pancotti, Roberto, Nutley, N. J., assignor to Excelsior Accordion Manufacturing Co. Inc., New York, N. Y. Accordion. 102,700; Jan. 12.
Pemberton, Henry M., Fayetteville, assignor of one-half to P. Gibbons, Hamlet, N. C. Rear view mirror frame. 102,729; Jan. 12.
Perria, Jay C., Los Angeles, Calif. Dispenser cabinet. 102,730; Jan. 12.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric fan. 102,701; Jan. 12.
Remington Rand Inc. (See Zellers, J. A., and Bridgwater, assignors.)
Roe, Mayo E., Elyria, and W. H. Adams, Cleveland, assignors to The Colson Corporation, Elyria, Ohio. Inhalator. 102,702; Jan. 12.
Rosenberg, Maurice, Long Beach, N. Y. Lady's handbag frame. 102,731; Jan. 12.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Siegel, Benjamin, West New York, N. J. Knitted fabric. 102,732; Jan. 12.
Spiegel, Edward R., assignor of one-half to G. G. Gulberson, Dallas, Tex. Ashtray. 102,703; Jan. 12.
Stallings, George W., Jackson, and G. W. Walker, Pleasant Ridge, Mich., assignors to A. Kreamer, Incorporated, New York, N. Y. Canister. 102,704; Jan. 12.
Starr, Joseph, New York, N. Y. Shoe. 102,733; Jan. 12.
Straach, Clause B., New York, N. Y. Cigarette holder. 102,705; Jan. 12.
Taylor Chair Company, The. (See McClellan, Hiram N., assignor.)
Trenton Potteries Company. (See Jackson, George M., assignor.)
Uihlein, George V., Worcester, Mass. Rug or similar article. 102,706; Jan. 12.
Verlys of America, Inc. (See Matchet, Jamie E., assignor.)
Walker, George W. (See Stallings, G. W., and Walker.)
Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
Webster, Evelyn, Gloversville, N. Y. Glove. 102,707; Jan. 12.
Williams, Harry E., St. Louis, Mo. Shoe. 102,708; Jan. 12.
Zellers, John A., Bronxville, and H. E. Bridgwater, Syracuse, assignors to Remington Rand Inc., Buffalo, N. Y. Typewriting machine. 102,734; Jan. 12.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adair, Leo H. (See Hunt, A. A., and Adair.)
Adams, Simpson J., Greenville, S. C. Lease forming machine. 2,067,689; Jan. 12.
Adico Development Corporation. (See Jones, C. L., and McIlvain, assignors.)
Adlake Company, The. (See Hedin, Uno C., assignor.)
Aircraft Service, Inc. (See Plaisted, Ross J., assignor.)
Air Reduction Company. (See Smith, Donald L., assignor.)
Aki, Shozaburo, Mill Hill, London, England. Hat and like headgear. 2,067,809; Jan. 12.
Aktiebolaget Bofors. (See Gejrot, Claes J., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Kylin, Karl E., assignor.)
Albertson, Carl W., Clinton, Iowa. Refrigerating apparatus. 2,067,431; Jan. 12.
Albiser, Louis, Providence, R. I., assignor to Shurkatch Fishing Tackle Co. Fishing line float. 2,067,165; Jan. 12.
Alink, Roelof J. H., Klaas H. Klaassens, and H. J. Houtman, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Method and material for obtaining photographic contrasts. 2,067,690; Jan. 12.
Allis-Chalmers Manufacturing Company. (See Cooper, James B., assignor.)
Allis-Chalmers Manufacturing Company. (See Dahlstrand, H. P., and Seaholm, assignors.)
Allis-Chalmers Company. (See Pfau, Arnold, assignor.)
Allis, Robert T., Springfield, Mass. Fastener mount and making the same. 2,067,371; Jan. 12.
Allison, Kenneth C., Arlington Heights, assignor to Oak Manufacturing Company, Chicago, Ill. Electric switch. 2,067,557; Jan. 12.
American Car & Foundry Company. (See Knight, J. M., Stevenson, and Willoughby, assignors.)
American Coach and Body Company. (See Holan, James, assignor.)
American Lace Paper Company. (See Conrad, Fred A., assignor.)
American-La France-Foamite Corporation. (See Smith, Cecil H., assignor.)
American Optical Company. (See Kinney, Fay D., assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Telephone & Telegraph Company. (See Crampton, David, assignor.)
American Telephone and Telegraph Company. (See Hamilton, Harold S., assignor.)
American Third Axle Corp. (See Robin, Philip T., assignor.)
Anaconda Wire & Cable Company. (See Olson, John W., assignor.)
Anderson, Axel, Clifton, N. J. Receptacles, case, and the like. 2,067,556; Jan. 12.
Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Strainer for percolators. 2,067,470; Jan. 12.
Andrews, William E., Hurley, S. Dak. Pipe holder and puller. 2,067,372; Jan. 12.
Angell, Charles H., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,067,810; Jan. 12.
Antrim, Louis C., New York, N. Y. Fertilising stick. 2,067,589; Jan. 12.
Apex Electrical Manufacturing Company, The, as Trustee. (See Kirby, James B., assignor.)
Apex Electrical Manufacturing Company, The. (See McCabe, John J., assignor.)
Arnold, William O., Sheboygan, Wis. Machine for polishing, sanding, and the like. 2,067,624; Jan. 12.
Aro Equipment Corporation, The. (See Ginter, Charles W., assignor.)
Asahi Denka Kogyo Kabushiki Kaisha. (See Suzuki, Masutaro, assignor.)
Associated Telephone and Telegraph Company. (See Saxby, Robert N., assignor.)
Atlas Powder Company. (See Power, J. T., and Brown, assignors.)
Atmospheric Nitrogen Corporation. (See Porter, Frank, assignor.)
Atwell, Harold V., White Plains, N. Y., assignor to Gasoline Products Company (Inc.), Newark, N. J. Treatment of hydrocarbon oils. 2,067,569; Jan. 12.
Auden, Harold A., Banstead, H. P. Staudinger, Great Burgh, Epsom, and P. Eaglesfield, Carshalton, England. Cellulose ester compositions, particularly for molding purposes. 2,067,310; Jan. 12.
Autogiro Company of America. (See Bennett, James A. J., assignor.)
Automatic Register Company. (See Brenn, Carl W., assignor.)
Automatic Rotary Transmission Co. (See Cotanch, Earl E., assignor.)
Axe, Roy T., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Window construction. 2,067,654; Jan. 12.
Axe, Roy T., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Window construction. 2,067,655; Jan. 12.
Ayres, Arthur U., Chestnut Hill, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal separator. 2,067,590; Jan. 12.
B. B. Chemical Co. (See Macdonald, Alexander D., assignor.)
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Babcock & Wilcox Company, The. (See Kerr, H. J., and Langvand, assignors.)
Babcock & Wilcox Company, The. (See Koolstra, L., and Gilg, assignor.)
Babcock & Wilcox Company, The. (See Koolstra, Lambert, assignor.)
Baehr, Hans, Leuna, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of gases from ammonia and hydrogen sulphide. 2,067,311; Jan. 12.
Baer, Lawrence E., assignor, by mesne assignments, to Swank Products, Inc., Attleboro, Mass. Initialed buckle, plate, and the like. 2,067,811; Jan. 12.
Bagby, Ralph B., Chicago, Ill. Filling machine. 2,067,750; Jan. 12.
Bailey, Charles W., assignor to Stewart Bros., Lynn, Mass. Making counters. 2,067,812; Jan. 12.
Bailey, Charles W., assignor to Stewart Bros., Lynn, Mass. Machine for operating on counters. 2,067,813. Jan. 12.
Bailey, James R., Austin, Tex., assignor to Union Oil Company of California, Los Angeles, Calif. Separation and purification of aromatic and nonaromatic nitrogen bases. 2,067,704; Jan. 12.
Baker, Chester L., Berkeley, Calif., assignor to Philadelphia Quartz Company, Philadelphia, Pa. Producing crystallized anhydrous sodium metasilicate. 2,067,227; Jan. 12.
Baker & Co. (See Keitel, Christian W., assignor.)
Baker & Company. (See Zimmermann, Fritz.)
Baker & Co. (See Zimmermann, Fritz, assignor.)
Balke, Clarence W., Highland Park, assignor to Ramet Corporation of America, North Chicago, Ill. Tantalum carbide alloy. 2,067,166; Jan. 12.
Balmer, John H., Trenton, N. J. Recessed wall fixture. 2,067,591; Jan. 12.
Bamberger, Curt. (See Weinand, K., and Bamberger.)
Bangs, Ralph C., Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y. Initial button. 2,067,814; Jan. 12.
Barber-Colman Company. (See Edgar, John, assignor.)
Barber, William E., and H. A. Watts, South Farnborough, England. Power or movement transmitting mechanism. 2,067,815; Jan. 12.
Bard, Hans, Dallas, Tex. Gearing for spinning machines. 2,067,167; Jan. 12.
Barnick, Arthur, assignor to H. E. Schniewind, Wuppertal-Elberfeld, Germany. Making ornamented fabric. 2,067,816; Jan. 12.
Barrett Company, The. (See Imes, Harold E., assignor.)
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,067,471; Jan. 12.
Barton, Clarence H., Indianapolis, Ind., assignor, by mesne assignments, to William C. Starkey, Raymond S. Pruitt and Walter H. Beal, trustees. Transmission. 2,067,502; Jan. 12.
Basset, Lucien P., Paris, France. Manufacture of iron or steel and Portland cement in a rotary furnace. 2,067,373; Jan. 12.
Baumann, Erich. (See Ohlendorf, H., and Baumann.)
Baumgardner, Versal F., Celina, Ohio. Edger attachment for grading machines. 2,067,168; Jan. 12.
Bayer, Leo J., St. Louis, Mo. Boiler cleaner. 2,067,625; Jan. 12.
Beach, Fitch H., and F. S. Beach, Charlotte, Mich. Road scraper. 2,067,374; Jan. 12.
Beach, Fred S. (See Beach, Fitch H., and F. S.)
Beal, Walter H., trustee, et al. (See Barton, Clarence H.)
Beard, Ralph H., Staten Island, N. Y. Engine. 2,067,171; Jan. 12.

Beaver, Charles J., and E. L. Davey, Cheshire, assignors to W. T. Glover and Company Limited, Manchester, England. Electric cable. 2,067,169; Jan. 12.

Beaver, Charles J., and E. L. Davey, Cheshire, assignors to W. T. Glover and Company Limited, Manchester, England. Electric cable. 2,067,170; Jan. 12.

Becket, Frederick M., New York, and R. Franks, Jackson Heights, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welding rod. 2,067,631; Jan. 12.

Beckwith Manufacturing Company. (See Mayo, W. M., and Lovell, assignors.)

Beegle, Raymond E., East St. Louis, Ill. Securing means for tool handles. 2,067,751; Jan. 12.

Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Device for gettering metal tubes. 2,067,817; Jan. 12.

Begrich, Friedrich. (See Kesselring, F., and Begrich.)

Belden Manufacturing Company. (See Boller, Frank J., assignor.)

Bell, Frank, Chicago, Ill. Luminous tube mounting. 2,067,818; Jan. 12.

Bell & Howell Company, The. (See Howell, Albert S., assignor.)

Bell, Joseph, Cincinnati, Ohio. Electromotor compressor. 2,067,819; Jan. 12.

Bell Machine Company, The. (See Bell, Morris A., assignor.)

Bell, Morris A., assignor to The Bell Machine Company, Oshkosh, Wis. Match roll with holder. 2,067,820; Jan. 12.

Bell Telephone Laboratories, Incorporated. (See Carpenter, Warren W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Cole, Ira E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Curtis, A. M. and Wood, assignors.)

Bell Telephone Laboratories, Incorporated. (See Helsing, Raymond A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pollard, C. E., and Russell, assignors.)

Bell Telephone Laboratories, Incorporated. (See Smith, George O., assignor.)

Bell, William O., Highland Park, assignor to R. H. Loomis, Chicago, Ill. Justified lines typewriter. 2,067,821; Jan. 12.

Belshe, Ralph L. (See Roberts, C. H. M., and Belshe.)

Beman, Ransom H. (See Rovinsky, Stanley J., assignor.)

Bemberg, I. P., Aktiengesellschaft. (See Etzkorn, R., and Knehe, assignors.)

Bendix Aviation Corporation. (See Carbonara, Victor E., assignor.)

Bennett, James A. J., Genista, Newton Mearns, Scotland, assignor to Autogiro Company of America, Philadelphia, Pa. Rotary sustaining wings for aircraft. 2,067,228; Jan. 12.

Benninghoff, William L., Cleveland, Ohio. Tool for cutting threads. 2,067,593; Jan. 12.

Benninghoff, William L., Shaker Heights, Ohio. Pipe threading machine. 2,067,626; Jan. 12.

Bethlehem Mines Corporation. (See Brown, E. H., and Broderick, assignors.)

Bethlehem Steel Company. (See Spooner, Albert P., assignor.)

Bethlehem Steel Company. (See Statler, Walter H., assignor.)

Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Radio communication. 2,067,432; Jan. 12.

Biederman, Joseph B., Cincinnati, Ohio. Mask for the prevention and relief of allergic respiratory complaints. 2,067,822; Jan. 12.

Birch, William T., Chicago, Ill. Relief valve. 2,,067,229; Jan. 12.

Birdseye, Clarence, Gloucester, Mass., assignor to Birdseye Electric Corporation, Dover, Del. Adjustable electric lamp. 2,067,844; Jan. 12.

Bird eye Electric Corporation. (See Birdseye, Clarence, assignor.

Birkenmaier, Theodore. (See Mosley, C. E., and Birkenmaier.)

Bissell, Carl H. (See Olley, R. H., and Bissell.)

Bittorf, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Hasp-type fastener. 2,067,255; Jan. 12.

Blackburn, George, and Sons Limited. (See Towers, Ernest J., assignor.)

Blackwell, James W., Lincolnton, Ga. Union suit. 2,067,870; Jan. 12.

Blood, Leonard H., Buffalo, assignor to Ernest W. Delzer, Kenmore, N. Y. Gas burner. 2,067,656; Jan. 12.

Bloom, Jacob, Philadelphia, Pa. Hinge. 2,067,559; Jan 12.

Bloomer, Melville H. (See Lawton, C. S., and Bloomer.)

Bloomingdale Bros., Inc. (See Kaufman, Carl L., assignor.)

Blythe, Richard R. (See Napos, G., and Blythe.)

Bock, Walter. (See Tschunkur, E., and Bock.)

Boller, Frank J., Mount Vernon, N. Y., assignor, by mesne assignments, to Belden Manufacturing Company, Chicago, Ill. Soft rubber attachment plug cap. 2,067,433; Jan. 12.

Bollheimer, Rhinehard, Fort Loramie, Ohio. Damper for heating units. 2,067,560; Jan. 12.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Tuning device for radio sets. 2,067,871; Jan. 12.

Bowers, Frederick M., Chester, Pa. Electrode holder. 2,067,230; Jan. 12.

Brandt, August, Ballenstedt/Harz, Germany. Torpedo. 2,067,824; Jan. 12.

Brassell, Alvy R., Hazlehurst, Miss. Time actuated mechanism. 2,067,472; Jan. 12.

Bray, Arthur. (See Bray, Thomas, assignor.)

Bray, Thomas, assignor to Arthur Bray, Arlington Heights, Ill. Draft regulating system. 2,067,872; Jan. 12.

Breed, Charles W., Western Springs, and G. R. Burkhardt, Chicago, Ill. Shimmed rail joint. 2,067,375; Jan. 12.

Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,067,376; Jan. 12.

Bresduck, Inc. (See Perlson, David, assignor.)

Britton, Edgar C., G. H. Coleman, and G. V. Moore, assignors to The Dow Chemical Company, Midland, Mich. Hydrolysis of isobutyl chloride. 2,067,473; Jan. 12.

Britton, Edgar C., and R. P. Perkins, assignors to The Dow Chemical Company, Midland, Mich. Alkali metal salts of chloroethane sulphonic acid. 2,067,873; Jan. 12.

Broderick, Sylvester J. (See Brown, E. H., and Broderick.)

Brown, Earl H., and S. J. Broderick, Yellow Springs, Ohio, assignors to Bethlehem Mines Corporation. Treatment of iron ores containing nickel. 2,067,874; Jan. 12.

Brown, Theodore E., Berwyn, Ill. Sharpening device. 2,067,594; Jan. 12.

Brown, Kenneth R. (See Power, J. T., and Brown.)

Browne, Kenneth A., Concord, Mass., W. B. Goodman, Paterson, and D. J. Lowman, Clifton, assignors, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. J. Dicing means. 2,067,595; Jan. 12.

Bruijnes, Johannes, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Cathode structure for discharge devices. 2,067,691; Jan. 12.

Brump, Herbert L. (See Johnston, F. H., Lambert, and Brump.)

Brush, Wallace P., San Francisco, Calif. Ignition testing system. 2,067,256; Jan. 12.

Bryan, Charles S. (See Fiske, A. H., and Bryan.)

Buell Combustion Company Limited, The. (See Jacobsen, Olaf B., assignor.)

Bullard, E. D., Company. (See Bullard, Edward W., assignor.)

Bullard, Edward W., assignor, by mesne assignments, to E. D. Bullard Company, San Francisco, Calif. Hat. 2,067,657; Jan. 12.

Bullard, Edwin F. (See Evans, T. W., and Bullard.)

Bullimore, William R., London, England. Thermionic valve of the screened grid type. 2,067,825; Jan. 12.

Bullock, Frank, Lake Geneva, Wis., assignor to Middlebury Electric Clock Corporation, Automatic control for humidifiers. 2,067,875; Jan. 12.

Burkhardt, George R. (See Breed, C. W., and Burkhardt.)

Burns, Erwin, and H. P. Wickersham, Los Angeles, Calif. Safety joint. 2,067,377; Jan. 12.

Busch-Sulzer Bros.-Diesel Engine Company. (See Wohanka, George J., assignor.)

Bushnell, James E., North Plainfield, and J. P. Faber, Dunellen, assignors to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete mixer. 2,067,826; Jan. 12.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam support chair. 2,067,596; Jan. 12.

Butler, Clyde G. (See Harris, C., and Butler.)

Butler Paper Products Company. (See Decker, Homer A., assignor.)

Byrnes, C. P., trustee. (See James, Joseph H.)

Byron-Jackson Co. (See Grau, Herbert E., assignor.)

C & L Method of Foot Correction. (See Casey, V. R., and Larsen, assignors.)

Cammack, Robert W., Mount Vernon, N. Y. Holder for dental floss. 2,067,692; Jan. 12.

Campbell, Wilbert L., Denver, Colo., assignor to United States Gypsum Company, Chicago, Ill. Incorporating special materials with paper stock. 2,067,876; Jan. 12.

Canter, Morris, New York, N. Y. Ejecting die in the manufacture of shanks for shoes. 2,067,257; Jan. 12.

Carbonara, Victor E., Rockville Centre, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Inclinometer. 2,067,474; Jan. 12.

Carey, Ernest C., Corpus Christi, Tex. Sampling machine. 2,067,693; Jan. 12.

Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)

Carliss, Oswald S., Providence, R. I., assignor to H & B American Machine Company. Yarn guide and folder. 2,067,827; Jan. 12.

Carothers, Wallace H., Fairville, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical compounds and preparing same. 2,067,172; Jan. 12.

Carpenter, Warren W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,067,518; Jan. 12.

Carter, Benjamin C. (See Knowles, J. R., and Carter.)

Casanova, Camillo, Zurich, Switzerland. Flexible footwear. 2,067,845; Jan. 12.

Casey, Vincent R., and G. A. Larsen, assignors to C & L Method of Foot Correction, Portland, Oreg. Arch supporter. 2,067,475; Jan. 12.

Celanese Corporation of America. (See Dickie, W. A., McGill, and Taylor, assignors.)

Celanese Corporation of America. (See Dickie, W. A., and Taylor, assignors.)

Celanese Corporation of America. (See Pool, W., and Greenwood, assignors.)

Celanese Corporation of America. (See Taylor, William I., assignor.)

Celanese Corporation of America. (See Whitehead, William, assignor.)

Cellufoam Corporation. (See Schwarz, Sidney L., assignor.)

Centripetor Company, The. (See Morgan, Porter S., assignor.)

Certain-Teed Products Corporation. (See Hoggatt, Gilbert A., assignor.)

Champion Machine and Forging Company, The. (See Johnson, Howard F., assignor.)

Champion Machine and Forging Company, The. (See Johnson, H. F., and Stegkemper, assignors.)

Chapin, Horace H., assignor to The R. E. Chapin Mfg. Works, Batavia, N. Y. Wagon can or similar receptacle. 2,067,658; Jan. 12.

Chapin, R. E., Mfg. Works, The. (See Chapin, Horace H., assignor.)

Charipar, Louis J., Chicago, Ill. Accumulator. 2,067,434; Jan. 12.

Chase Manufacturing Company. (See Chase, S., and Palm, assignors.)

Chase, Stephen, IV, Kenilworth, and G. H. Palm, Chicago, Ill., assignors to Chase Manufacturing Company, Wilmington, Del. Carpet cleaning machine. 2,067,752; Jan. 12.

Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle-threader. 2,067,476; Jan. 12.

Chatfield, George C., and C. Emmey, New York, N. Y. Article of manufacture for continuous embossing. 2,067,435; Jan. 12.

Cheezits Corporation. (See Romney, Reuben, Jr., assignor.)

Chelsea Fibre Mills. (See McCardle, G., and Taggart, assignors.)

Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)

Chicago Railway Equipment Company. (See Light, David M., assignor.)

Chicago Railway Equipment Company. (See Naylor, Henry R., assignor.)

Chicago Railway Equipment Company. (See Zweibel, Charles A., assignor.)

Chilton, Roland, Ridgewood, N. J., assignor to The Reed Propeller Co., Inc. Cooling fin. 2,067,597; Jan. 12.

Christiansen, Frederick A., Los Angeles, assignor to W. H. Hammer and L. Rhodes, Santa Monica, Calif. Toy aeroplane. 2,067,258; Jan. 12.

Christiansen, Frederick A., assignor to W. H. Hammer and L. Rhodes, Los Angeles, Calif. Toy airplane. 2,067,828; Jan. 12.

Chubb, Alexander A., Coventry, assignor to The General Electric Company Limited, London, England. Electrical system of lift control. 2,067,378; Jan. 12.

Cincinnati Ball Crank Company, The. (See Harris, C., and Butler, assignors.)

Clark, Carlos N., South Orange, N. J. Sweat band sticker. 2,067,231; Jan. 12.

Clark, Thomas J., San Francisco, Calif. Saw cutter. 2,067,259; Jan. 12.

Clarke, Herbert S., Albany, assignor to Ramapo Ajax Corporation, New York, N. Y. Expansion rail joint. 2,067,598; Jan. 12.

Clarke, Laurence R., East Lansing, Mich. Concealed hinge. 2,067,561; Jan. 12.

Clarke, Samuel, Barnesboro, assignor to Portable Lamp & Equipment Co., Pittsburgh, Pa. Car stop. 2,067,694; Jan. 12.

Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Apparatus for heat-treating steel. 2,067,486; Jan. 12.

Cole, Ira E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuits. 2,067,519; Jan. 12.

Coleman, Gerald H. (See Britton, E. C., Coleman, and Moore.)

Collins & Aikman Corporation. (See Hewton, William B., assignor.)

Collins, Joseph L. (See Robinson, P., and Collins.)

Colprovia Roads, Inc. (See Ebberts, Alfred R., assignor.)

Condon, Edward T., New York, N. Y. Pilot lamp for multisignal switch. 2,067,232; Jan. 12.

Conley, John R., Memphis, Tenn. Railway expansion joint. 2,067,695; Jan. 12.

Connelly, John F. (See Johnson, H. F., and Connelly.)

Conrad, Fred A., assignor to American Lace Paper Company, Milwaukee, Wis. Shelf paper. 2,067,233; Jan. 12.

Cooper, Charles E., Benton Harbor, and J. L. Willmeng, Watervliet, Mich. Fruit basket and liner therefor. 2,067,753; Jan. 12.

Cooper, James, assignor to Hall and McChesney, Syracuse, N. Y. Loose leaf binder. 2,067,846; Jan. 12.

Cooper, James B., Phoenix, Ariz., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gearing. 2,067,477; Jan. 12.

Copper Houses Incorporated. (See Whelan, John J., assignor.)

Corbett, Patrick J., Albany, N. Y. Alarm system. 2,067,705; Jan. 12.

Cormier, Farrier, assignor of one-half to J. G. McClure, Welsh, La. Roller jewel protector for watch movements. 2,067,478; Jan. 12.

Coro-Gram, Inc. (See Bangs, Ralph C., assignor.)

Coryell, William C., Youngstown, Ohio. Treating slag. 2,067,312; Jan. 12.

Coryell, William C., Youngstown, Ohio. Forming slag blocks. 2,067,313; Jan. 12.

Cotanch, Earl E., Los Angeles, Calif., assignor to Automatic Rotary Transmission Co. Automatic transmission. 2,067,562; Jan. 12.

Courtney, Nicholas P., Passaic, N. J. Receptacle. 2,067,599; Jan. 12.

Crabbs, Herbert J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,067,659; Jan. 12.

Cramer, R. W., & Company. (See Gardner, J. J., and Letsch, assignor.)

Crampton, David, New Rochelle, N. Y., assignor to American Telephone and Telegraph Company. Oscillographic apparatus. 2,067,696; Jan. 12.

Creveling, John L., near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating means. 2,067,260; Jan. 12.

Cristofanetti, Lucia, Paris, France. Brassière composed of two independent pockets. 2,067,879; Jan. 12.

Crosley, Lewis M. (See Money, R. H., and Crosley.)

Crosley Radio Corporation, The. (See Money, R. H., and Crosley, assignors.)

Cross, Leonard H., Port Washington, N. Y., assignor to Cross Paper Feeder Company, Boston, Mass. Sheet feeding machine. 2,067,880; Jan. 12.

Cross Paper Feeder Company. (See Cross, Leonard H., assignor.)

Crouse-Hinds Company. (See Olley, R. H., and Bissell, assignors.)

Curtis, Austen M., and I. E. Wood, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for oscillographs or the like. 2,067,520; Jan. 12.

Curtiss-Wright Corporation. (See Trimbach, Clem G., assignor.)

Cutler-Hammer, Inc. (See Pinkerton, Clarence S., assignor.)

Cutler-Hammer, Inc. (See Seeger, E. W., and Russell, assignors.)

Dahlstrand, Hans P., Wauwatosa, and H. G. Seaholm, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Blower control system. 2,067,479; Jan. 12.

De la Rosa Corporation. (See De la Rosa, Joaquin J., Sr., assignor.)

De la Rosa, Joaquin J., Sr., Great Neck, N. Y., assignor to De la Rosa Corporation, Wilmington, Del. Manufacture of pulp. 2,067,480; Jan. 12.

Dalén, Gustaf, Lidingo, assignor to Svenska, Aktiebolgat Gasaccumulator, Stockholm, Sweden. Fuel combustion. 2,067,173; Jan. 12.

D'Amato, Vito. (See Winter, M., and D'Amato.)

Danziger, Harold I., Williamstown, Mass. Machine for making wire elements. 2,067,521; Jan. 12.

Darby, John E., New Orleans, La. Racket stringing machine. 2,067,563; Jan. 12.

Davey, Edward L. (See Beaver, C. J., and Davey.)

Davidson, McClellan, Hanover, Pa. Automatic damper regulator. 2,067,564; Jan. 12.

Davis, Arthur J. (See Sohn, C. J., and Davis.)

Debelack, August, Vienna, Austria. Piston. 2,067,314; Jan. 12.

Decker, Francis W. (See McCombs, M. F., and Decker.)

Decker, Homer A., assignor to Butler Paper Products Company, Toledo, Ohio. Carton. 2,067,754; Jan. 12.

Delson, John, assignor to Flint & Co., Inc., New York, N. Y. Organic sulphur compound and making the same. 2,067,261; Jan. 12.

Delzer, Ernest W. (See Blood, Leonard H., assignor.)

DaManna, Nicholas, Brooklyn, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Delivery mechanism for printing machine folders. 2,067,565; Jan. 12.

Demontvignier, Marcel, Suresnes, and A. Labarthe, Paris, France. Device for measuring pressure variations. 2,067,262; Jan. 12.

Denne, Richard A., assignor to The National Fire Protection Company Limited, Richmond, England. Fire extinguisher of the pressure-containing type. 2,067,829; Jan. 12.

Dennis, Bruce W., Middleton, N. Y. Nonrefillable container. 2,067,600; Jan. 12.

Depew, James A., Miami, Fla. Hydrator. 2,067,880; Jan. 12.

Detroit Hydrostatic Brake Corporation. (See Sausedde, Claude, assignor.)

Detroit Lubricator Company. (See Foulds, Andrew K., assignor.)

DeWitt, William J., assignor to Shoe Forms Co., Inc., Auburn, N. Y. Shoe form. 2,067,381; Jan. 12.

Dibrell, Lois, Grand Prairie, Tex. Display device. 2,067,437; Jan. 12.
Dick, August, Pittsburgh, Pa. Ice delivering receptacle. 2,067,268; Jan. 12.
Dickie, William A., A. McGill, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and treatment of textile materials. 2,067,174; Jan. 12.
Dickie, William A., and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment and manufacture of textile materials. 2,067,175; Jan. 12.
Diesbach, Fritz G., assignor to Krauth & Benninghofen, Hamilton, Ohio. Autographic register. 2,067,438; Jan. 12.
Dietrich, Harry A. R., Bethlehem, Pa. Compensator for heating boilers. 2,067,315; Jan. 12.
Ditto, Incorporated. (See Marchev, Alfred, assignor.)
Dobkin, William J., Chicago, Ill., assignor to Mac B. Feinson, New York, N. Y. Soap dispenser. 2,067,601; Jan. 12.
Dooley, Clarence H., Rock Island, Ill. Filter. 2,067,439; Jan. 12.
Dorfman, Adolph, New York, N. Y. Toilet mirror. 2,067,602; Jan. 12.
Dougherty, Charles A., Wilmington, Del. Self-lubricating vehicle spring. 2,067,331; Jan. 12.
Doughnut Corporation of America. (See Hunter, Herbert T., assignor.)
Dow Chemical Company, The. (See Britton, E. C., Coleman, and More, assignors.)
Dow Chemical Company, The. (See Britton, E. C., and Perkins, assignors.)
Dreyfus, Henry, London, England. Production of amino alcohol derivatives. 2,067,176; Jan. 12.
Drillers Supply & Manufacturing Company, The. (See Johnson, H. F., and Connelly, assignors.)
Dubbs, Carbon P., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Apparatus for converting higher boiling hydrocarbons into lower hydrocarbons. 2,067,332; Jan. 12.
Ducey, A. M. (See James Cleveland A., assignor.)
Du Mont, Allen B., assignor to A. B. Du Mont Laboratories, Inc., Upper Montclair, N. J. Synchronous electron motor. 2,067,332; Jan. 12.
Du Mont, Allen B., Laboratories, Inc. (See Du Mont, Allen B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bordon, W. E., and Heckert, assignors.)
Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Eiseman, Henry J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Keller, Manfred, assignor.)
Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Weber, I. E., and Slater, assignors.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., and Smith, assignors.)
Duro Company, The. (See Zimmerman, A. C., and Knaack, assignors.)
Dyer, Herbert L., Jr., assignor to Hammermill Paper Company, Erie, Pa. Tension controlling means. 2,067,755; Jan. 12.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eaglesfield, Philip. (See Auden, H. A., Staudinger, and Eaglesfield.)
Ebberts, Alfred R., assignor to Colprovia Roads, Inc., New York, N. Y. Making bituminous materials. 2,067,864; Jan. 12.
Eclipse Machine Company. (See Elkin, Manuel H., assignor.)
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Grinding machine and method. 2,067,177; Jan. 12.
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Grinding machine. 2,067,178; Jan. 12.
Edison, Gertrude K., Chicago, Ill. Garment hanger. 2,067,833; Jan. 12.
Edwards, O. M., Company Inc., The. (See Axe, Roy T., assignor.)
Eiseman, Henry J., Woodhaven, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Package. 2,067,660; Jan. 12.
Elder, Austin C., Canton, Ohio. Saw sharpener. 2,067,179; Jan. 12.
Elkin, Manuel H., Elmira Heights, assignor to Eclipse Machine Company, Elmira, N. Y. Starter control for internal combustion engines. 2,067,180; Jan. 12.
Elmer, Geoffrey D. (See Robison, F. W., and Elmer.)
Emmey, Charles. (See Chatfield, G. C., and Emmey.)
Ericson, Franklin R., and A. D. Somes, Marblehead, Mass., assignor to General Electric Company. Parallel flow turbine arrangement. 2,067,834; Jan. 12.
Ernst, Charles K., Buffalo, N. Y. Lock. 2,067,383; Jan. 12.
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Hydraulic double-acting metal-drawing press. 2,067,265; Jan. 12.
Erwood, Joseph, assignor to The Webster Company, Chicago, Ill. Picture projector. 2,067,835; Jan. 12.
Espinosa, Louis, Maspeth, N. Y. Shaving brush. 2,067,756; Jan. 12.
Esslick, John H., Erie, Pa. Composition for preventing vapor lock in internal combustion engines. 2,067,384; Jan. 12.
Etzkorn, Rudolf, and E. Knebe, Wuppertal-Barmen, assignors to firm I. P. Bemberg Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Producing cellulosic films. 2,067,522; Jan. 12.
Evans, Theodore W., and E. F. Ballard, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Ethers and producing the same. 2,067,895; Jan. 12.
Excel Curtain Company. (See Holt, Thomas W., assignor.)
Exhibit Supply Company, The. (See Simpkins, C. R., and Radtke, assignors.)
Faber, John P. (See Bushnell, J. E., and Faber.)
Fabrifax, Ltd. (See Hough, Edward H., Jr., assignor.)
Fafnir Bearing Company, The. (See Smith, John W., assignor.)
Feinson, Mac B. (See Dobkin, William J., assignor.)
Fenske, Merrell R., and W. B. McCluer, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation. Flashing mineral oils. 2,067,627; Jan. 12.
Ferrelle, Charles H., Savannah, Ga. Automobile lunch support. 2,067,661; Jan. 12.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Center bearing for hydraulic locomotives. 2,067,483; Jan. 12.
Fiebiger, Paul A., New York, N. Y. Burglar trap. 2,067,662; Jan. 12.
Field, Samuel B., Holbrook, Mass., assignor to Hawaiian Macadamia Nut Company Limited, Honolulu, Hawaii. Apparatus for and method of opening nuts. 2,067,566; Jan. 12.
Fielden, Arthur, assignor to General Motors Corporation, Detroit, Mich. Engine blower control. 2,067,757; Jan. 12.
Fikentscher, Hans, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial composition. 2,067,706; Jan. 12.
Finch, William G. H., New York, N. Y. Radio printer. 2,067,181; Jan. 12.
Findlay, Douglas D., Carleton Place, Ontario, Canada. Power circuit for electric ranges. 2,067,481; Jan. 12.
Finney, Newell B., Indianapolis, Ind. Safety device for refrigeration systems. 2,067,440; Jan. 12.
Finney, Walter D., Hollywood, Calif. Dispensing device. 2,067,523; Jan. 12.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 2,067,707; Jan. 12.
Fiske, Augustus H., Warren, and C. S. Bryan, Providence, assignors to Rumford Chemical Works, Rumford, R. I. Softening water and dissolving calcium salts with thiotetraphosphates. 2,067,628; Jan. 12.
Fitton, Cyrus J. (See Yingling, Frank B., assignor.)
Flagg, Charles N., Meriden, Conn. Automatic valve for heating systems. 2,067,629; Jan. 12.
Flaherty, John T., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for handling and annealing metal bars or the like. 2,067,524; Jan. 12.
Flaherty, John T., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for annealing merchant bars. 2,067,525; Jan. 12.
Flajollet-Bracq, Paul, Maisons-Laffitte, France. Furnace with helical hearth. 2,067,828; Jan. 12.
Flint & Co. (See Delson, John, assignor.)
Flogaus, Howard A., Ferndale, Mich. Engine cooling system. 2,067,758; Jan. 12.
Florence Wehrle Stove Co. (See Pickup, George E., assignor.)
Foley, Louis D., Louisville, Ky. Shock absorber. 2,067,482; Jan. 12.
Fontaine, Kathryn M., et al. (See Fontaine, Lamar, Jr., assignor.)
Fontaine, Lamar, Jr., Baton Rouge, assignor of three-eighths to K. M. Fontaine, and one-fourth to L. J. Voorhies, Sr., both of East Baton Rouge Parish, La. Safety device for hydraulic brakes. 2,067,697; Jan. 12.
Fosgood Corporation. (See Graham, Philip J., assignor.)
Foulds, Andrew K., West Englewood, N. J., assignor to Detroit Lubricator Company, Detroit, Mich. Control means. 2,067,836; Jan. 12.
Franks, Russell. (See Becket, F. M., and Franks.)
Franks, Russell, Jackson Heights, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welding rod. 2,067,630; Jan. 12.
Freeman, Wood, Fircrest, Wash. Control compass for automatic piloting of moving bodies. 2,067,441; Jan. 12.
Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Electric air cooling system for vehicles. 2,067,837; Jan. 12.
Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. 2,067,484; Jan. 12.
Friss, George E., Indianapolis, Ind., assignor, by mesne assignments, to Snap-On Tools, Inc., Kenosha, Wis. Clutch aligning tool. 2,067,442; Jan. 12.
Frowenfeld, James M., Long Island City, and H. H. Hutt, Brooklyn, N. Y. Article support. 2,067,886; Jan. 12.

G. M. Laboratories, Inc. (See McMaster, Archie J., assignor.)
Gadd, William E., Glenolden, Pa., and H. L. Lansing, Rutherford, N. J., assignors to The Rail Joint Company, New York, N. Y. Rail graph producing device. 2,067,887; Jan. 12.
Gardner, John J., New York, N. Y., and E. Letsch, Union City, N. J., assignors to E. W. Cramer & Company Inc., New York, N. Y. Circuit control means. 2,067,485; Jan. 12.
Garner, Eugene Jr., Hebbronville, Tex. Power winch attachment for motor vehicles. 2,067,888; Jan. 12.
Gary, Wright W., Great Neck, N. Y., and J. T. Ward, Westfield, assignors to Gasoline Products Company, Inc., Newark, N. J. Treatment of hydrocarbon oil. 2,067,847; Jan. 12.
Gasoline Products Company, (Inc.). (See Atwell, Harold V., assignor.)
Gasoline Products Company, Inc. (See Gary, W. W., and Ward, assignors.)
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Hosiery. 2,067,486; Jan. 12.
Gavin, Gordon P., Kohler, Wis. Lift rod connection. 2,067,759; Jan. 12.
Gejrot, Claes J., assignor to Aktiebolaget Bofors, Bofors, Sweden. Producing hollow billets for hollow drills and the like. 2,067,389; Jan. 12.
Gejrot, Claes J., assignor to Aktiebolaget Bofors, Bofors, Sweden. Producing hollow billets for hollow drills and the like. 2,067,390; Jan. 12.
General Aniline Works, Inc. (See Weinand, K., and Bamberger, assignors.)
General Aniline Works, Inc. (See Ohlendorf, H., and Baumann, assignors.)
General Aniline Works, Inc. (See Ohlendorf, H., and Lange, assignors.)
General Chemical Company. (See Henninger, Arthur H., assignor.)
General Chemical Company. (See Vivian, Robert E., assignor.)
General Electric Company. (See Beggs, James E., assignor.)
General Electric Company. (See Ericson, F. R., and Somes, assignors.)
General Electric Company. (See Hehlgans, Friedrich, assignor.)
General Electric Company. (See Seman, Joseph W., assignor.)
General Electric Company. (See Smith, Charles C., assignor.)
General Electric Company. (See Smith, Robert W., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Thearle, Ernest L., assignor.)
General Electric Company Limited, The. (See Chubb, Alexander A., assignor.)
General Motors Corporation. (See Fielden, Arthur, assignor.)
General Motors Corporation. (See Hornaday, James R., assignor.)
General Motors Corporation. (See Mead, H. C., and Michel, assignors.)
General Motors Corporation. (See Padgett, Joseph E., assignor.)
General Motors Corporation. (See Pelster, Alpha D., assignor.)
General Motors Corporation. (See Schweller, Sylvester M., assignor.)
General Motors Corporation. (See Waeschle, Anton, assignor.)
General Steel Castings Corporation. (See Pflager, Harry M., assignor.)
Getz, Benjamin E., Morton, Ill. Wringer release mechanism. 2,067,603; Jan. 12.
Gewerts, Charles M:son, Cambridge, Mass. Electrical network. 2,067,443; Jan. 12.
Gewerts, Charles M:son, Cambridge, Mass. Electrical network. 2,067,444; Jan. 12.
Gikow, Harry, Woodhaven, N. Y. Time automatic shut-off for gas ranges and the like. 2,067,266; Jan. 12.
Gilg, Frank X. (See Koolstra, L., and Gilg.)
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Nozzle construction. 2,067,445; Jan. 12.
Girard Manufacture Company, The. (See Smith, Anthony N., assignor.)
Girton, Paul K., Millville, Pa. Container rinser and steriliser. 2,067,838; Jan. 12.
Glover, W. T., and Company Limited. (See Beaver, C. J., and Davey, assignors.)
Gluckman, Charles I., Brooklyn, N. Y. Panel attaching clamp for beds, floor lamps, and the like. 2,067,487; Jan. 12.
Godsey, Frank W., Jr., North Adams, Mass., assignor to The Safety Car Heating & Lighting Company. Electric regulation. 2,067,604; Jan. 12.
Goldberg, Herman, Chicago, Ill. Nut tapping machine. 2,067,267; Jan. 12.
Good, Francis R., Wynnewood, assignor of thirty-three and one-third per cent to F. H. Shaw, Glenside, Pa., and thirty-three and one-third per cent to T. J. Mullaney, Philadelphia, Pa. Rotor for distributors or the like. 2,067,391; Jan. 19.
Good, John, Garden City, N. Y. Burner control. 2,067,446; Jan. 12.
Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
Goodman, Willard B. (See Browne, K. A., Goodman, and Lowman.)
Goodrich, B. F., Company, The. (See Mayne, Robert, assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Gordon, Wallace E., Wilmington, and W. W. Heckert, Ardentown, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigmented granular polymers. 2,067,224; Jan. 12.
Goss, John L., Corporation. (See McKensie, William, assignor.)
Graham, Philip J., assignor to Fosgood Corporation, Leominster, Mass. Initialed article of manufacture. 2,067,526; Jan. 12.
Grau, Herbert E., assignor to Byron-Jackson Co., Los Angeles, Calif. Elevator and latch construction. 2,067,663; Jan. 12.
Gray, Daniel M., assignor to Hasel-Atlas Glass Company, Wheeling, W. Va. Vinyl resin coating. 2,067,316; Jan. 12.
Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)
Green, Buford L., Charlotte, N. C., assignor to Semagraph Company, Dover, Del. Automatically setting type in typesetting machines. 2,067,182; Jan. 12.
Green, Buford L., Charlotte, N. C., assignor to Semagraph Company, Dover, Del. Preparing control sheets. 2,067,183; Jan. 12.
Green, Buford L., Charlotte, N. C., assignor to Semagraph Company, Dover, Del. Automatic means for setting type and the like. 2,067,184; Jan. 12.
Green, Buford L., Charlotte, N. C., assignor to Semagraph Company, Dover, Del. Preparing control sheets for linotype machines and the like. 2,067,185; Jan. 12.
Green, Buford L., Charlotte, N. C., assignor to Semagraph Company, Dover, Del. Selecting mechanism. 2,067,186; Jan. 12.
Greene, George A., Bridgeport, Conn. Ornament. 2,067,527; Jan. 12.
Greene, George A., Bridgeport, Conn. Ornament. 2,067,528; Jan. 12.
Greenwood, Ernest L. (See Pool, W., and Greenwood.)
Griffin, George A., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Laminae construction for dynamoelectric machines. 2,067,605; Jan. 12.
Groll, Herbert P. A., Oakland, and G. Hearne, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treatment of unsaturated monohalides. 2,067,392; Jan. 12.
Gruber, Heinrich, Schoneberg, near Berlin, Germany. Method of converting barbituric acids into stable aqueous solutions. 2,067,317; Jan. 12.
Gruber, Heinrich, Schoneberg, near Berlin, Germany. Manufacture of aqueous solutions suitable for injection from substituted barbituric acids. 2,067,318; Jan. 12.
Gruca, Adam, Lwow, Poland. Appliance for setting and bandaging forearm fractures. 2,067,567; Jan. 12.
Grünthal, Moritz, Dusseldorf, Germany. Die for automatically working mechanical forging machines for manufacturing of seamless hollow bodies. 2,067,568; Jan. 12.
H & B American Machine Company. (See Carliss, Oswald S., assignor.)
Haag, Wilhelm, Pforsheim, Germany. Safety lock. 2,067,319; Jan. 12.
Habann, Erich, Berlin-Hessenwinkel, Germany. Arrangement for amplifying alternating currents. 2,067,393; Jan. 12.
Hadley, Wilfred N., Winchester, Mass., assignor to Parks & Woolson Machine Company, Springfield, Vt. Cloth finishing machine. 2,067,632; Jan. 12.
Hafner, Raoul, Vienna, Austria. Rotative wing aircraft. 2,067,633; Jan. 12.
Hafner, Raoul, Vienna, Austria. Aircraft tailplane. 2,067,634; Jan. 12.
Hall, Arthur E., Omaha, Nebr., assignor to United States Smelting, Refining & Mining Company, Portland, Maine. Method and apparatus for treating molten metal with gas. 2,067,394; Jan. 12.
Hall, Joseph M., Chicago, Ill., assignor to Purdue Research Foundation, La Fayette, Ind. Highway marker. 2,067,698; Jan. 12.
Hall and McChesney. (See Cooper, James, assignor.)
Hamilton, Harold S., White Plains, N. Y., assignor to American Telephone and Telegraph Company. Measuring system for program circuit maintenance. 2,067,320; Jan. 12.
Hammer, W. H., et al. (See Christiansen, Frederick A., assignor.)
Hammer, William H., et al. (See Christiansen, Frederick A., assignor.)
Hammermill Paper Company. (See Dyer, Herbert L., Jr., assignor.)
Hammond Clock Company, The. (See Hammond, Laurens, assignor.)
Hammond, Laurens, Evanston, Ill., assignor to The Hammond Clock Company, Chicago, Ill. Electric clock. 2,067,708; Jan. 12.

Hand, Eric H., New York, N. Y., assignor to Radio Corporation of America. Radio apparatus. 2,067,395; Jan. 12.

Hans, Hans, Wiesbaden, Germany. Device for promoting respiration. 2,067,268; Jan. 12.

Harris, Cleo, and C. G. Butler, assignors to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Air motor. 2,067,635; Jan. 12.

Harvey, Leo M., Los Angeles, Calif. Towel cabinet. 2,067,760; Jan. 12.

Haselton, Merton L., assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Electrical indicating means. 2,067,187; Jan. 12.

Haskins, Rupert L. (See Metcalf, C. W., and Haskins.)

Hawaiian Macadamia Nut Company Limited. (See Field, Samuel B., assignor.)

Hazel-Atlas Glass Company. (See Gray, Daniel M., assignor.)

Hazel-Atlas Glass Company. (See Noll, J. J., and Williams, assignors.)

Headson, Frank A., Milwaukee, Wis. Oil reclaimer. 2,067,396; Jan. 12.

Hearne, George. (See Groll, H. P. A., and Hearne.)

Heckert, Winfield W. (See Gordon, W. E., and Heckert.)

Hedin, Uno C., Elkhart, Ind., assignor to The Adlake Company. Mercury switch relay. 2,067,235; Jan. 12.

Hegenscheidt, Wilhelm, A. G. (See Pachta, Alfons, assignor.)

Hehlgans, Friedrich, Berlin-Hermsdorf, Germany, assignor to General Electric Company. Electron discharge tube. 2,067,840; Jan. 12.

Heiland, Carl A., assignor to Heiland Research Corporation, Denver, Colo. Vibration detector. 2,067,636; Jan. 12.

Heiland Research Corporation. (See Heiland, Carl A., assignor.)

Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Auxiliary device for fabric holding-down attachments. 2,067,841; Jan. 12.

Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Attachment on flat knitting machines for holding down the fabrics. 2,067,842; Jan. 12.

Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,067,529; Jan. 12.

Heibig, Albin B., Kaiserslautern, Germany, assignor of one-half to V. B. Reichwald, Kent, England. Pneumatic apparatus for separating granular substances. 2,067,321; Jan. 12.

Heller, Henry R., Larchmont, N. Y. Upright piano. 2,067,880; Jan. 12.

Helwig, Edward L., Bristol, assignor to Rohm & Haas Company, Philadelphia, Pa. Manufacture of alkali thiocyanates. 2,067,606; Jan. 12.

Hemphill Company. (See Lawson, R. H., and Smith, assignors.)

Henderson, Philip O., Washington, D. C. Fluid fuel burner control system. 2,067,699; Jan. 12.

Hennessy, John T., New Britain, Conn. Safety-step for ladders. 2,067,188; Jan. 12.

Henninger, Arthur H., St. Albans, assignor to General Chemical Company, New York, N. Y. Preparation of wettable sulphur. 2,067,397; Jan. 12.

Henry, William J., Akron, Ohio. Making filaments for miniature incandescent lamps and articles. 2,067,664; Jan. 12.

Hepburn, Charles J. (See Hepburn, Donald McK., assignor.)

Hepburn, Donald McK., assignor to C. J. Hepburn, Philadelphia, Pa. Mixing machine. 2,067,236; Jan. 12.

Heraeus-Vacuumschmelze Aktiengesellschaft. (See Hessenbruch, Werner, assignor.)

Hercules Powder Company. (See Lorand, Eugene J., assignor.)

Hercules Powder Company. (See Peterson, Ernest G., assignor.)

Hercules Powder Company. (See Rummelsburg, Alfred L., assignor.)

Herlach, Fritz, and T. Rakula, Berlin-Frohnau, Germany, assignor to Waffenfabrik Solothurn, A. G., Solothurn, Switzerland. Automatic gun. 2,067,322; Jan. 12.

Hessenbruch, Werner, assignor to Heraeus-Vacuumschmelze Aktiengesellschaft, Hanau-on-the-Main, Germany. Heat resisting implement. 2,067,569; Jan. 12.

Hewitt Rubber Corporation. (See Potts, John T., assignor.)

Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Weft severing mechanism for looms. 2,067,761; Jan. 12.

Hickok Manufacturing Company. (See Sachs, Morris, assignor.)

Hill, Sennett I. (See Matthews, O. F., and Hill.)

Hillix, Foster. (See Knebusch, W. F., and Hillix.)

Hines, Claude M. (See Witmer, H. G., and Hines.)

Hinkel, Leonard E., Swansea, Glamorgan, Wales, assignor to Imperial Chemical Industries Limited. Manufacture of aromatic aldehydes. 2,067,237; Jan. 12.

Hirsch, Eric D., Memphis, Tenn. Telephone stand. 2,067,323; Jan. 12.

Hitchcock, William J., Scotia, N. Y. Thermionic cathode space current tube. 2,067,607; Jan. 12.

Hnizdo, František, and V. Obermajer, Prague, Czechoslovakia. Semiautomatic transmission case for automobiles. 2,067,848; Jan. 12.

Hoe, R., & Co. (See De Manna, Nicholas, assignor.)

Hoe, R., & Company. (See Huck, William F., assignor.)

Hoess, Werner. (See Stern, G., and Hoess.)

Hoffman, Glenn R., St. Louis, Mo., assignor to Hoffman-Paulding Company. Braking mechanism for automobiles. 2,067,570; Jan. 12.

Hoffman, Morris J., Chicago, Ill., assignor to International Business Machines Corporation, New York, N. Y. Printing machine. 2,067,637; Jan. 12.

Hoffman-Paulding Company. (See Hoffman, Glenn R., assignor.)

Hoggatt, Gilbert A., Buffalo, assignor to Certain-Teed Products Corporation, New York, N. Y. Producing cementitious material. 2,067,762; Jan. 12.

Holan, James, Lakewood, assignor to American Coach and Body Company, Cleveland, Ohio. Receptacle. 2,067,763; Jan. 12.

Holophane Company. (See Rolph, Thomas W., assignor.)

Holt, Thomas W., assignor to Excel Curtain Company, Elkhart, Ind. Veneered tubing. 2,067,665; Jan. 12.

Hommel, Ernest M., Pittsburgh, Pa., assignor to The O. Hommel Company. Apparatus for decorating glassware. 2,067,447; Jan. 12.

Hommel, O., Company, The. (See Hommel, Ernest M., assignor.)

Horn, Harry J., Lansing, Mich., assignor to Motor Wheel Corporation. Tire retaining device. 2,067,448; Jan. 12.

Hornaday, James R., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,067,638; Jan. 12.

Hornaday, Paul W., Pomona, Calif. Shoe stretcher. 2,067,398; Jan. 12.

Hough, Edward H., Jr., New York, N. Y., assignor to Fabrifax, Ltd., Wilmington, Del. Coated material and making same. 2,067,488; Jan. 12.

Houtman, Harke J. (See Alink, R. J. H., Klaassens, and Houtman.)

Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Lens mount. 2,067,189; Jan. 12.

Howey, Walter C., and B. W. Woodward, New York, N. Y., said Woodward assignor to said Howey. Photoelectric engraving. 2,067,489; Jan. 12.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, permanent trustee. Printing plate thinning and shaving machine. 2,067,190; Jan. 12.

Huckins, Royal, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button or the like. 2,067,224; Jan. 12.

Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Oil film bearing. 2,067,191; Jan. 12.

Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Tensioned cold rolling in reversible mills. 2,067,192; Jan. 12.

Hudson, Fred G., and L. A. Smith, Seattle, Wash. Starting equipment for Diesel engines. 2,067,449; Jan. 12.

Huffman Manufacturing Company, The. (See Vahle, Edgar W., assignor.)

Hughes, John, Rochdale, England. Eccentric for operating silver rubbing devices. 2,067,399; Jan. 12.

Hughes Mitchell Processes, Incorporated. (See Mitchell, Thomas A., assignor.)

Humphery, Dee E., Dallas, Tex., assignor of one-half to Missouri Rolling Mill Corporation, St. Louis, Mo. Derrick. 2,067,709; Jan. 12.

Hunt, Arthur A., and L. H. Adair, Oklahoma City, assignors to Skelly Oil Company, Tulsa, Okla. Sucker rod adjuster. 2,067,700; Jan. 12.

Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Corporation of America, New York, N. Y. Doughnut machine. 2,067,849; Jan. 12.

Hutt, Hermann H. (See Frownfeld, J. M., and Hutt.)

Hydraulic Press Corporation, Inc., The. (See Ernst, Walter, assignor.)

Hydraulics, Inc. (See Lassman, Benjamin, assignor.)

Hygrade Sylvania Corporation. (See Zabel, Rolland M., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Baehr, Hans, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Fikentscher, Hans, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Josef M., assignor.)

I. G. Farbenindustrie Aktiengellschaft. (See Stern, G., and Hoess, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Tschunkur, E., and Bock, assignors.)

Ihrig, Harry K., Milwaukee, Wis. Drawing metal. 2,067,530; Jan. 12.

Imes, Harold E., Ashland, Ky., assignor to The Barrett Company, New York, N. Y. Melting pitch. 2,067,450; Jan. 12.

Imgrund, George W., Springfield, Ill. Railway brake bottom connecting rod guard. 2,067,608; Jan. 12.

Imperial Chemical Industries Limited. (See Hinkel, Leonard E., assignor.)

Imperial Chemical Industries Limited. (See Lees, David S., assignor.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Truing apparatus for lapping machines. 2,067,531; Jan. 12.

Industrial By-Products and Research Corporation. (See Simon, Charles L., assignor.)

Industrial Rayon Corporation. (See Knebusch, W. F., and Hillix, assignors.)

Ingersoll-Rand Company. (See Terry, Edward F.)

International Business Machines Corporation. (See Hoffman, Morris J., assignor.)

International Motor Company. (See Loeffler, Bruno, assignor.)

Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,067,764; Jan. 12.

Irving Trust Company, permanent trustee. (See Huck, William F., assignor.)

Jacob, Thomas H., Wausau, Wis. Combined hitch and braking device for trailers. 2,067,451; Jan. 12.

Jacobsen, Olaf B., Wembley, assignor to himself and The Buell Combustion Company Limited, London, England. Separator. 2,067,710; Jan. 12.

James, Cleveland A., Philadelphia, Pa., assignor to A. M. Ducey, Toledo, Ohio. Reflecting glass. 2,067,701; Jan. 12.

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Treating a liquid mixture containing oxygen derivatives of hydrocarbons and products thereof. 2,067,532; Jan. 12.

Jamieson, Ivan W., Los Angeles, Calif. Toy parachute. 2,067,571; Jan. 12.

Janes, Edmund D., Middlebury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button or the like. 2,067,223; Jan. 12.

Johnson Brothers Engineering Corporation. (See Johnson, Harry L., assignor.)

Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Spark plug cover. 2,067,533; Jan. 12.

Johnson, Howard F., assignor to The Champion Machine and Forging Company, Cleveland, Ohio. Automatic forging machine. 2,067,270; Jan. 12.

Johnson, Howard F., Cleveland, and G. H. Stegkemper, Parma, assignors to The Champion Machine and Forging Company, Cleveland, Ohio. Making tractor shoes and similar articles. 2,067,269; Jan. 12.

Johnson, Howard F., Cleveland, and J. F. Connelly, Cleveland Heights, assignors to The Drillers Supply & Manufacturing Company, Cleveland, Ohio. Coupling for sucker rods and the like. 2,067,271; Jan. 12.

Johnson, Lawrence C., Chicago, Ill. Trimmer condenser. 2,067,238; Jan. 12.

Johnston, Frank H., A. R. Lambert, and H. L. Brump, assignors to Ohio Units, Incorporated, Dayton, Ohio. Wheel assembly spreader. 2,067,620; Jan. 12.

Jones, Charles L., Pelham, N. Y., and H. S. McIlvain, Belleville, N. J., assignors, by mesne assignments, to Adico Development Corporation. Refrigerating apparatus and method. 2,067,324; Jan. 12.

Jones, Charles L., Pelham, N. Y., and H. S. McIlvain, Belleville, N. J., assignors, by mesne assignments, to Adico Development Corporation. Refrigerating apparatus and method. 2,067,325; Jan. 12.

Jones, Ira M. (See Kurtz, Ralph H., assignor.)

Jones & Laughlin Steel Corporation. (See Trinks, Willibald, assignor.)

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Dewaxing hydrocarbon oils. 2,067,193; Jan. 12.

Jones, Walter L., St. Louis, Mo. Tire preasure indicator. 2,067,490; Jan. 12.

Jones, William S. (See Nitardy, F. W., and Jones.)

Jungers, John, assignor to Jungers Stove and Range Company, Grafton, Wis. Liquid fuel burner. 2,067,666; Jan. 12.

Jungers Stove and Range Company. (See Jungers, John, assignor.)

Juranic, Walter, Red Hook, N. Y. Barbwire reel holder. 2,067,765; Jan. 12.

Kapella Limited. (See Taylor, William, assignor.)

Karo Knit Fabrics, Inc. (See Tanski, Frank M., assignor.)

Kaufman, Carl L., Brooklyn, assignor to Bloomingdale Bros., Inc., New York, N. Y. Vest. 2,067,850; Jan. 12.

Keitel, Christian W., West Orange, assignor to Baker & Co. Inc., Newark, N. J. Method of and electrolyte for depositing rhodium. 2,067,534; Jan. 12.

Keller, Joseph F., New York, N. Y. Mounting for eyeglasses and spectacles. 2,067,272; Jan. 12.

Keller, Manfred, Syosset, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Liner cloth. 2,067,667; Jan. 12.

Kendall, Paul D., Chrisman, Ill. Ingot feeder for type casting machines. 2,067,600; Jan. 12.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 2,067,670; Jan. 12.

Kerr, Howard J., Westfield, and I. L. Langvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 2,067,669; Jan. 12.

Kesselring, Fritz, Berlin-Hermsdorf, and F. Begrich, Berlin-Zehlendorf, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,067,673; Jan. 12.

Keuls, Henry P. C., New York, N. Y. Ornamental molded figure. 2,067,766; Jan. 12.

Killmer, Miles I., New York, N. Y. Apparatus for erecting tunnel linings. 2,067,711; Jan. 12.

Kimerlin, Harold B., New York, N. Y. Germicidal composition and preparing the same. 2,067,674; Jan. 12.

Kingsbury, Edward J., Keene, N. H. Machine tool including fluid operated feeding devices. 2,067,491; Jan. 12.

Kingsbury, Edward J., Keene, N. H. Feeding apparatus. 2,067,492; Jan. 12.

Kinney, Fay D., assignor to American Optical Company, Southbridge, Mass. Lens and making same. 2,067,194; Jan. 12.

Kinsie, Phillip A., assignor to Universal Hydraulic Corporation, Denver, Colo. Membrane lined tunnel and constructing same. 2,067,493; Jan. 12.

Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, as trustee. Laundry machine. 2,067,572; Jan. 12.

Klaassens, Klaas H. (See Alink, R. J. H., Klaassens, and Houtman.)

Kleinman, Emanuel, Brooklyn, N. Y. Steel wool and soap holder. 2,067,535; Jan. 12.

Klotz, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Regenerative receiver arrangement. 2,067,536; Jan. 12.

Knaack, Frank E. (See Zimmerman, A. C., and Knaack.)

Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Roller skate. 2,067,712; Jan. 12.

Knapp-Monarch Company. (See Newnham, Eugene, assignor.)

Knapp, Roland W., Wayzata, and A. D. Lund, assignors of one-third to W. C. Schroder, Minneapolis, Minn. Battery cable terminal. 2,067,195; Jan. 12.

Knebusch, Walter F., Cleveland, and F. Hillix, Lakewood, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Continuous thread-processing machine. 2,067,881; Jan. 12.

Knehe, Ewald. (See Etzkorn, R., and Knehe.)

Knight, John M., Atlantic Highlands, N. J.; F. A. Stevenson, New York, N. Y.; and V. Willoughby, Ridgewood, N. J., assignors to American Car & Foundry Company, New York, N. Y. Car seat. 2,067,668; Jan. 12.

Knowles, J. R., and B. C. Carter, Strand, London, England. Centrifugal separator. 2,067,273; Jan. 12.

Kobe, Inc. (See Coberly, Clarence J., assignor.)

Koch, Frederick, Jr., Queens Village, N. Y. Device for loading and ejecting capsules. 2,067,573; Jan. 12.

Kollsman, Paul, Woodhaven, N. Y. Hydrostatic gauge. 2,067,767; Jan. 12.

Kommer, Fred A., St. Louis, Mo. Valve device. 2,067,713; Jan. 12.

Koolstra, Lambert, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 2,067,671; Jan. 12.

Koolstra, Lambert, Bayonne, and F. X. Gilg, Elizabeth, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 2,067,672; Jan. 12.

Koplin, Harry, New York, N. Y., and T. S. Watson, Milwaukee, Wis. Transmission belt. 2,067,400; Jan. 12.

Kost, Edgar L., Bronxville, and G. Prendergast, New York, N. Y. Wrist carried implement retainer. 2,067,537; Jan. 12.

Krauth & Benninghofen. (See Diesbach, Fritz G., assignor.)

Krefft, Friedrich, Dusseldorf-Oberkassel, Germany. Ball and socket joint for pipes. 2,067,768; Jan. 12.

Kurtz, Ralph H., Chicago, Ill., assignor to I. M. Jones, Thiensville, Wis. Vending machine. 2,067,675; Jan. 12.

Kylén, Karl E., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Piston pin. 2,067,714; Jan. 12.

Kylén, Karl E., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Combustion motor. 2,067,715; Jan. 12.

Kyrides, Lucas P., Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Hexyl catechol and producing it. 2,067,452; Jan. 12

Labarthe, André. (See Demontvignier, M., and Labarthe.)

Lambert, Alvan R. (See Johnston, F. H., Lambert, and Brump.)

Lampert, M. J., & Sons, Inc. (See Myers, Robert, assignor.)

Landers, Grary & Clark. (See Anderson, Oscar M., assignor.)

Landow, Myer S., assignor to The Pfaltzgraff Pottery Company, York, Pa. Molding device. 2,067,716; Jan. 12.

Lange, Hans. (See Ohlendorf, H., and Lange.)

Langvand, Ivar L. (See Kerr, H. J., and Langvand.)

Lansing, Horace L. (See Gadd, W. E., and Lansing.)

Larsen, George A. (See Casey, V. R., and Larsen.)

Lassman, Benjamin, assignor to Hydraulics, Inc., Pittsburgh, Pa. Method and apparatus for the pressing of plastic and dry compositions. 2,067,401; Jan. 12.

Lateur, Gaston, San Francisco, Calif. Dispensing container. 2,067,196; Jan. 12.

Lausberg, Charles E. A., Haledon, N. J. Heddle frame. 2,067,402; Jan. 12.

Lawson, Robert H., and W. L. Smith, Jr., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitting machine. 2,067,877; Jan. 12.

Lawton, Chester S., Ridgewood, N. J., and M. H. Bloomer, Halifax, Nova Scotia, Canada, assignors to The Western Union Telegraph Company, New York, N. Y. Plough for laying submarine cables. 2,067,717; Jan. 12.
Lea, William C., Los Angeles, Calif. Metal building construction. 2,067,403; Jan. 12.
Leatherman, Martin, Hyattsville, Md. Composition for removing fibrous layers from surfaces. 2,067,326; Jan. 12.
Leatherman, Martin, Hyattsville, Md. Composition for removing fibrous layers from surfaces. 2,067,327; Jan. 12.
Lee, Floyd B., Hays, Kans. Scoring apparatus. 2,067,769; Jan. 12.
Lee, Royal, Milwaukee, Wis. Heat engine. 2,067,453; Jan. 12.
Lees, David S., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Cooling system for utilizing solid carbon dioxide. 2,067,676; Jan. 12.
Lembas, George C., Chicago, Ill. Propeller. 2,067,770; Jan. 12.
Letsch, Eugene. (See Gardner, J. J., and Letsch.)
Lett, Virgil L., Denver, Colo. Radiator protector. 2,067,639; Jan. 12.
Leventhal, Jacob F., assignor to Leventhal Patents, Inc., New York, N. Y. Lens obturating device. 2,067,771; Jan. 12.
Leventhal Patents, Inc. (See Leventhal, Jacob F., assignor.)
Levin, Harold L., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Waterproof concrete. 2,067,772; Jan. 12.
Lichty, Joy G., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Dithiocarbamates. 2,067,494; Jan. 12.
Lifton Mfg. Co., The. (See Lifton, Maurice, assignor.)
Lifton, Maurice, Belle Harbor, L. I., assignor to The Lifton Mfg. Co., New York, N. Y. Correspondent's case. 2,067,851; Jan. 12.
Light, David M., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake gear safety device. 2,067,610; Jan. 12.
Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)
Linde Air Products Company, The. (See Schuftan, Paul, assignor.)
Link-Belt Company. (See Mlick, Fred E., assignor.)
Lodeesen, Herman J. (See Thompson, J. S., and Lodeesen.)
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Control mechanism for Diesel engines. 2,067,611; Jan. 12.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Air chamber valve operating mechanism and control for Diesel engines. 2,067,612; Jan. 12.
Long, Fred R., Catawissa, Pa. Coupling nut. 2,067,773. Jan. 12.
Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Dial telephone pay station. 2,067,852; Jan. 12.
Long, Herbert J., assignor to United American Bosch Corporation, Springfield, Mass. Water heater. 2,067,495. Jan. 12.
Loomis, Robert H. (See Bell, William O., assignor.)
Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Preparation of aralkyl ethers of cellulose. 2,067,853; Jan. 12.
L'Orange, Prosper, Feuerbach-Stuttgart, Germany. Internal-combustion engine. 2,067,274; Jan. 12.
Lovell, Stanley P. (See Mayo, W. M., and Lovell.)
Lowman, Donald J. (See Browne, K. A., Goodman, and Lowman.)
Lowrie, John, Thompsonville, Conn. Pile loom construction. 2,067,574; Jan. 12.
Lubrication Corporation, The. (See Creveling, John L., assignor.)
Lubrication Corporation, The. (See Tear, Harry R., assignor.)
Lubrication Corporation, The. (See Watson, Arthur H., assignor.)
Lund, Arthur D. (See Knapp, R. W., and Lund.)
Luschenowsky, Alexander, Berlin, Germany. Purification and refinement of magnesium and magnesium alloys. 2,067,275; Jan. 12.
Lux, Lee A. (See Lux, Robert A., assignor.)
Lux, Robert A., assignor of one-half to L. A. Lux, Lakewood, Ohio. Liquid treating means. 2,067,328. Jan. 12.
Macdonald, Alexander D., Malden, assignor to B. B. Chemical Co., Boston, Mass. Deodorization of polymerized haloprene and product. 2,067,854; Jan. 12.
Mac Intire, Walter H., Knoxville, Tenn. Making double or treble (calcium) superphosphate. 2,067,538; Jan. 12.
Mackenzie, John D., et al. (See Rimmer, Herbert A., assignor.)
Madden, Joseph D., Oakland, Calif. Stabilizer. 2,067,640; Jan. 12.
Magnetic Manufacturing Company. (See Stearns, Roswell H., assignor.)
Maiden, Winte P., Piedmont, Calif. Knitting needle. 2,067,197; Jan. 12.
Manley, Robert E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Dewaxing hydrocarbon oil. 2,067,198; Jan. 12.
Marchev, Alfred, La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Blockout mechanism for duplicating machines. 2,067,199; Jan. 12.
Marchev, Alfred, La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Sheet stripping and slitting means for duplicating machines. 2,067,404; Jan. 12.
Markle, Mathew G., Maywood, and L. W. Tuttle, Mount Prospect, Ill. Atomizing type oil fogger. 2,067,454; Jan. 12.
Martindale, Nathan W., Chanute, Kans. Oil burner. 2,067,718; Jan. 12.
Maschinenfabrik Angsburg-Nurnberg A. G. (See Riehm, Wilhelm, assignor.)
Mascuch, Joseph J., Newark, N. J. Spark plug bushing and shield. 2,067,614; Jan. 12.
Marsh Stencil Machine Company. (See Marsh, Walton C., assignor.)
Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Stencil cutting machine. 2,067,702; Jan. 12.
Matthews, Orrin F., and S. I. Hill, Smackover, Ark. Oil well pump. 2,067,774; Jan. 12.
Matthews, W. N., Corporation. (See Mosley, C. E., and Birkenmaier, assignors.)
Maucher, Hans, New York, N. Y. Pencil. 2,067,455; Jan. 12.
Maves, Ralph A., Fort Snelling, Minn. Folding table. 2,067,775; Jan. 12.
Mayer, John M., Johnsonburg, Pa. Protector guide for dressing shoes. 2,067,855; Jan. 12.
Mayhew, James E., Upper Darby, Pa. Confectionery making apparatus. 2,067,200; Jan. 12.
Mayleas, Joseph M., New York, N. Y. Hat manufacture and the products thereof. 2,067,776; Jan. 12.
Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber impregnated metal cable and making same. 2,067,405; Jan. 12.
Mayo, Winthrop M., Leominster, and S. P. Lovell, Newton, Mass., assignors, by mesne assignments, to Beckwith Manufacturing Company, Dover, N. H. Manufacture of shoe stiffener material. 2,067,239; Jan. 12.
McAllister, Sumner H. (See Williams, E. C., and McAllister.)
McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironing machine structure. 2,067,719; Jan. 12.
McCardle, George, and T. Taggart, assignors to Chelsea Fibre Mills, New York, N. Y. Manufacture of jute yarn. 2,067,497; Jan. 12.
McCarthy, John J., Malden, Mass. Internal combustion engine. 2,067,496; Jan. 12.
McCluer, Wilbert B. (See Fenske, M. R., and McCluer.)
McCung, Eugene F. (See Schildknecht, Paul S., assignor.)
McClure, John G. (See Cormier, Farrier, assignor.)
McCombs, Mathew F., and F. W. Decker, assignors to Niagara Alkali Company, Niagara Falls, N. Y. Apparatus for supplying chlorine. 2,067,720; Jan. 12.
McCuen, Charles L., Lansing, Mich. Oil cooler. 2,067,721; Jan. 12.
McDonald, Edward F., Buffalo, N. Y. Ash receiver. 2,067,406; Jan. 12.
McFarland, Owen D., assignor to Roofing Machinery Mfg. Co., Chicago, Ill. Mechanism for movably supporting cylinders. 2,067,777; Jan. 12.
McGill, Alexander. (See Dickie, W. A., McGill, and Taylor.)
McGuffin, William H., Freer, Tex. Pump rod coupling. 2,067,329; Jan. 12.
McIlvain, Howard S. (See Jones C. L., and McIlvain.)
McKensie, William, Stonington, Maine. Stone sawing machine. 2,067,856; Jan. 12.
McKenzie, William, assignor to John L. Goss Corporation, Stonington, Maine. Process of and machine for sawing stone. 2,067,857; Jan. 12.
McMaster, Archie J., Highland Park, assignor to G. M. Laboratories, Inc., Chicago, Ill. Electric control device. 2,067,613; Jan. 12.
McMillan, James O., Wichita, Kans. Pump. 2,067,539; Jan. 12.
Mead, Howard C., and C. A. Michel, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Doorless headlamp with lens mounted outside of housing. 2,067,722; Jan. 12.
Meisel, Charles A., Milton, assignor to Meisel Press Manufacturing Company, Boston, Mass. Cutter head. 2,067,458; Jan. 12.
Meisel Press Manufacturing Company. (See Meisel, Charles A., assignor.)
Metalwood Manufacturing Corporation. (See Thomas, Mervyn A., assignor.)
Metcalf, C. W., Sharon, and R. L. Haskins, Roslindale, assignors to Tobe Deutschmann Corporation, Canton, Mass. Electrical apparatus. 2,067,615; Jan. 12.
Metsner, Albert W. (See Sherman, J. Q., and Metsner.)
Meyerhoefer, Carl E., New York, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 2,067,575; Jan. 12.
Meyrowitz, Ernest du P., South Orange, N. J., assignor to Selected Devices Comany, Incorporated. Roll-holder. 2,067,498; Jan. 12.
Michel, Clarence A. (See Mead, H. C., and Michel.)
Michel, Josef M., Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Antiknocking motor fuel. 2,067,331; Jan. 12.

Michelssen, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron device. 2,067,330; Jan. 12.
Middlebury Electric Clock Corporation. (See Bullock, Frank, assignor.)
Middler, Alexander J., Detroit, Mich. Toy submarine. 2,067,201; Jan. 12.
Milck, Fred E., Los Angeles, Calif., assignor to Link-Belt Company, Chicago, Ill. Scum collector. 2,067,277; Jan. 12.
Millen, Stanley S., Glendale, assignor to J. Schmid, Los Angeles, Calif. Bead forming machine. 2,067,641; Jan. 12.
Millen, Stanley S., Glendale, assignor to Julius Schmid, Los Angeles, Calif. Stripping machine. 2,067,642; Jan. 12.
Miller, Charles A., Sr., Bainbridge, Ga. Automatic crating machine. 2,067,301; Jan. 12.
Miller, Henry, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button positioning means. 2,067,225; Jan. 12.
Milligan, Williams G., Akron, Ohio. Cooling system for motors. 2,067,407; Jan. 12.
Millmine, Herbert W., Houston, Tex. Testing device for well equipment. 2,067,499; Jan. 12.
Missouri Rolling Mill Corporation. (See Humphrey, Dee E., assignor.)
Mitchell, P. B. (See Taylor, Andrew L., assignor.)
Mitchell, Thomas A., Inglewood, Calif., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Treating complex lead bearing ore materials. 2,067,778; Jan. 12.
Mitscherling, Waldemar O., assignor to Neon Research of Connecticut, Inc., Bridgeport, Conn. Method and apparatus for operating positive column discharge tubes. 2,067,576; Jan. 12.
Modad, Najam. (See Schneider, L., and Modad.)
Money, Roland H., and L. M. Crosley, assignors to The Crosley Radio Corporation, Cincinnati, Ohio. Flat type evaporator structure. 2,067,643; Jan. 12.
Moniter Controller Company. (See Frese, Joseph F., assignor.)
Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Montgomery Ward & Co. (See Knapp, Leland G., assignor.)
Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 2,067,276; Jan. 12.
Moore, Gernett V. (See Britton, E. C., Coleman, and Moore.)
Moravec, Richard Z., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Synthesis of olefine derivatives. 2,067,616; Jan. 12.
Morden, John E., Hamilton, Ontario, Canada. Door lock. 2,067,779; Jan. 12.
Morgan, Harry W. (See Mueller, Joseph J., assignor.)
Morgan, Porter S., New York, N. Y., assignor, by mesne assignments, to The Centripetor Company, Detroit, Mich. Power transmission mechanism. 2,067,457; Jan. 12.
Morris, Ira A., Fort Worth, Tex., assignor to Paul R. Robb, Duncan, Okla. Apparatus for cleaning wells. 2,067,408; Jan. 12.
Morrison, Clayton, Marshfield, Wis. Ribber. 2,067,780; Jan. 12.
Morse Chain Company. (See Ferry, David B., assignor.)
Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 2,067,500; Jan. 12.
Mosley, Carl E., Richmond Heights, and T. Birkenmaier, assignors to W. N. Matthews Corporation, St. Louis, Mo. Fuse link. 2,067,577; Jan. 12.
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Motor Wheel Corporation. (See Valjean, Ben., assignor.)
Mueller, Joseph J., West Orange, assignor of one-half to H. W. Morgan, Maplewood, N. J. Cultivator. 2,067,781; Jan. 12.
Mullaney, Thomas J., et al. (See Good, Francis E., assignor.)
Muller, Erna F., executrix. (See Muller, Wolfgang C.)
Muller, Wolfgang C., Cincinnati, Ohio, Erna F. Muller, executrix of Wolfgang C. Muller, deceased. Inertia controlled hydraulic shock absorber. 2,067,409; Jan. 12.
Murphy, Chalmer E., Cuyahoga Falls, Ohio. Friction brake and the like. 2,067,677; Jan. 12.
Murphy, William R. (See Robertson, George L., assignor.)
Musebeck, George E., assignor to Musebeck Shoe Company, Danville, Ill. Corrective insole for shoes. 2,067,240; Jan. 12.
Musebeck Shoe Company. (See Musebeck, George E., assignor.)
Myers, Robert, San Francisco, Calif., assignor to M. J. Lampert & Sons, Inc., New York, N. Y. Pliers. 2,067,578; Jan. 12.
N. V. Philips Gloeilampenfabrieken. (See Allak, R. J. H., Klaassens, and Houtman, assignors.)
N. V. Philips Gloeilampenfabrieken. (See Bruijnes, Johannes, assignor.)
Naamlooze Vennootschap: Koninklijke Nederlandsche Grofsmederij. (See Rauwenhoff, Frans C., assignor.)
Nahm, John F. (See Nahm, Louis A., and J. F.)
Nahm, Louis A. and J. F., St. Louis, Mo. Wrapper or carton. 2,067,723; Jan. 12.
Nampa, Sulo M., Detroit, Mich., assignor to The Worth Company. Car loading device. 2,067,724; Jan. 12.
Nanos, George, and R. R. Blythe, New York, N. Y., said Nanos assignor to said Blythe. Rotary seal for compressors and the like. 2,067,840; Jan. 12.
National Fire Protection Company Limited, The. (See Denne, Richard A., assignor.)
National Manufacturing Company. (See Bittorf, Louis A., assignor.)
National Rubber Machinery Company. (See Nichols, George, assignor.)
National Supply Co. of Delaware, The. (See Ramsey, Robert P., assignor.)
Naylor, Henry R., Montreal, Quebec, Canada, assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake gear support. 2,067,617; Jan. 12.
Neidlinger, Joseph G., Philadelphia, Pa. Star construction. 2,067,241; Jan. 12.
Nelson, Adolph L., Detroit, Mich. Piston. 2,067,278; Jan. 12.
Nelson, Edwin F., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,067,782; Jan. 12.
Neon Research of Connecticut, Inc. (See Mitscherling, Waldemar O., assignor.)
Nesselman, Kurt V., Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Refrigeration. 2,067,678; Jan. 12.
Newnham, Eugene, assignor to Knapp-Monarch Company, St. Louis, Mo. Flexible blade fan. 2,067,410; Jan. 12.
Newman, John A., Edgley, assignor to Paterson Parchment Paper Company, Bristol, Pa. Parchment paper and making same. 2,067,501; Jan. 12.
Niagara Alkali Company. (See McCombs M. F., and Decker, assignors.)
Nichols, George, Akron, Ohio, assignor to National Rubber Machinery Company. Rubber mixing mill. 2,067,458; Jan. 12.
Nitardy, Ferdinand W., and W. S. Jones, Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Extraction of vitaminiferous oils. 2,067,279; Jan. 12.
Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
Nobuhara, Kantaro, Osaka, Japan. Fusible electric circuit breaking device. 2,067,641; Jan. 12.
Noll, John J., and J. J. Williams, assignors to Hasel-Atlas Glass Company, Wheeling, W. Va. Forming caps. 2,067,459; Jan. 12.
Nomolas Limited. (See Rabinowitsch, Efraim, assignor.)
North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
Norton, Clifford, South Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator door mechanism. 2,067,242; Jan. 12.
Norton Company. (See Indge, Herbert S., assignor.)
Numer, Harold B., Cotter, Ark. Control for a safer operation of motor vehicles. 2,067,332; Jan. 12.
Nunn, James H., Jr., Snyder, Tex. Stove. 2,067,783; Jan. 12.
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pressure device. 2,067,280; Jan. 12.
Oak Manufacturing Company. (See Allison, Kenneth C., assignor.)
Oak Manufacturing Company. (See Taylor, Dwight, assignor.)
Obermajer, Iadimir. (See Hnizdo, F., and Obermajer.)
Oberwetter, George T., assignor to R. D. Oberwetter, Houston, Tex. Garment steamer and stretcher. 2,067,858; Jan. 12.
Oberwetter, Roy D. (See Oberwetter, George T., assignor.)
O-Cedar Corporation. (See Teare, Robert C., assignor.)
Ohio Units, Incorporated. (See Johnston, F. H.; Lambert, and Bramp, assignors.)
Ohlendorf, Heinrich, and H. Lange, Dessau-in-Anhalt, Germany, assignors to Genera lAniline Works, Inc., New York, N. Y. Azo dyes for acetate silk and their production. 2,067,725; Jan. 12.
Ohlendorf, Heinrich, and E. Baumann, Dessau-in-Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water insoluble monoazo dyes. 2,067,726; Jan. 12.
Oilgear Company, The. (See Ferris, Walter, assignor.)
Oliver United Filters Incorporated. (See Robison, Clinton S., assignor.)
Olley, Raymond H., and C. H. Bissel, assignors to Crouse-Hinds Company, Syracuse, N. Y. Pull box. 2,067,644; Jan. 12.
Olson, John W., Hastings-on-Hudson, assignor to Anaconda Wire & Cable Company, New York, N. Y. Producing insulated conductors. 2,067,333; Jan. 12.
Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Producing lubricating oil. 2,067,334; Jan. 12.
Otis Elevator Company. (See Norton, Clifford, assignor.)
Owens, Freeman H., New York, N. Y. Photographic recording and sound reproducing system. 2,067,784; Jan. 12.
Pachta, Alfons, Ratiborhammer, Germany, assignor to Wilhelm Hegenscheidt A. G., Ratibor, Germany. Clamping device. 2,067,618; Jan. 12.
Paddle Leslie H., London, England. Ultra short wave oscillation generator. 2,067,679; Jan. 12.

Padgett, Joseph E., Toledo, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorbing mechanism. 2,067,281; Jan. 12.

Padgett, Joseph E., Toledo, Ohio. Making joint members. 2,067,282; Jan. 12.

Padgett, Joseph E., Toledo, Ohio. Joint member and making same. 2,067,283; Jan. 12.

Palm, George H. (See Chase, S., and Palm.)

Pardee, Howard J., New York, N. Y. Gas control and feeding unit. 2,067,335; Jan. 12.

Parks & Woolson Machine Company. (See Hadley, Wilfred N., assignor.)

Patent and Licensing Corporation, The. (See Levin, Harold L., assignor.)

Patents Corporation, The. (See Tanner, R. R., and Thompson, assignors.)

Patents Corporation, The. (See Thompson, J. S., and Lodeesen, assignors.)

Patter Parchment Paper Company. (See Newman, John A., assignor.)

Paver, John M., Wilmette, Ill. Apparatus for study of traffic. 2,067,336; Jan. 12.

Pearce, John W. B., Toledo, Ohio. Flexible joint. 2,067,284; Jan. 12.

Pearce, John W. B., Toledo, Ohio. Flexible joint for power shafts. 2,067,285; Jan. 12.

Pearce, John W. B., Toledo, Ohio. Double universal joint. 2,067,286; Jan. 12.

Pearce, John W. B., Toledo, Ohio. Drive shaft arrangement. 2,067,287; Jan. 12.

Peck, Ruth F., assignor to Winget Kickernick Company, Minneapolis, Minn. Bloomer undergarment for women and girls. 2,067,411; Jan. 12.

Peister, Alpha D., Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich. Shipping box brace. 2,067,727; Jan. 12.

Penick, Arthur J. and K. T., Houston, Tex. Tubing head. 2,067,785; Jan. 12.

Penick, Kirby T. (See Penick, Arthur J., and K. T.)

Pennsylvania Petroleum Research Corporation. (See Fenske, M. R., and McCluer, assignors.)

Penton, Jules D., Istrouma, La. Wind reaction turbine. 2,067,542; Jan. 12.

Perkins, Ralph P. (See Britton, E. C., and Perkins.)

Perlson, David, Brooklyn, N. Y., assignor to Bresduck, Inc., New York, N. Y. Hair thinning device. 2,067,619; Jan. 12.

Permutit Company (1934), The. (See Pick, Eric, assignor.)

Perry, David B., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 2,067,243; Jan. 12.

Peterson, Ernest G., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and producing. 2,067,859; Jan. 12.

Petroleum Processes Corporation, The. (See Teare, Claude F.)

Petroleum Rectifying Company of California. (See Roberts, C. H. M., and Belshe, assignors.)

Pfaltzgraff Pottery Company, The. (See Landow, Myer S., assignor.)

Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,067,460; Jan. 12.

Pflager, Harry M., St. Louis, Mo., assignor to General Steel Casting Corporation, Granite City, Ill. Railroad car structure. 2,067,579; Jan. 12.

Phelps, Joseph, Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y. Copy holder. 2,067,786; Jan. 12.

Philadelphia Quartz Company. (See Baker, Chester L., assignor.)

Pick, Eric, New York, N. Y., assignor to The Permutit Company (1934), Wilmington, Del. Water treating apparatus. 2,067,302; Jan. 12.

Pickup, George E., assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio. Liquid fuel stove. 2,067,412; Jan. 12.

Pinkerton, Clarence S., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for measuring flowing gaseous fluids. 2,067,645; Jan. 12.

Pioneer Instrument Company. (See Urfer, Adolf, assignor.)

Plaisted, Ross J., Brecksville, assignor to Aircraft Service, Inc., Cleveland, Ohio. Time delay power control system and apparatus. 2,067,413; Jan. 12.

Plato, Gerhardt, Chicago, Ill. Rotary motor. 2,067,728; Jan. 12.

Polatzek, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna for submarines. 2,067,337; Jan. 12.

Pollard, Charles E., Hohokus, and A. G. Russell, Red Bank, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Duplicating phonograph records. 2,067,502; Jan. 12.

Pomerene, Joel, assignor to United States Gypsum Company, Chicago, Ill. Building method and construction. 2,067,860; Jan. 12.

Pool, William, and E. L. Greenwood, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile operation. 2,067,202; Jan. 12.

Portable Lamp & Equipment Co. (See Clarke, Samuel, assignor.)

Porter, Frank, Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Decomposition of hydrocarbons and catalyst therefor. 2,067,729; Jan. 12.

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Method of and apparatus for making bags. 2,067,646; Jan. 12.

Potdevin Machine Company. (See Potdevin, Adolph, assignor.)

Potts, John T., Salt Lake City, Utah, assignor to Hewitt Rubber Corporation, Buffalo, N. Y. Belt and making same. 2,067,647; Jan. 12.

Pouget, Louis, Paris, France. Infusion apparatus. 2,067,787; Jan. 12.

Power, James T., Wilmington and K. R. Brown, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Tobacco product and conditioning same. 2,067,338; Jan. 12.

Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,067,339; Jan. 12.

Prazak, Emil, Elizabeth, N. J. Embroidering means for sewing machines. 2,067,340; Jan. 12.

Prendergast, Genevieve. (See Kost, E. L., and Prendergast.)

Price, Abraham R., San Francisco, Calif. Suspenders. 2,067,503; Jan. 12.

Price, Ralph H., Galveston, Tex., and R. V. Shankland, Hammond, Ind., assignors to Standard Oil Company, (Indiana), Chicago, Ill. Treatment of hydrocarbon oil. 2,067,730; Jan. 12.

Prochazka, Frank, Cicero, Ill. Producing sealed crystal layers in bottles. 2,067,731; Jan. 12.

Pruitt, Raymond S., trustee, et al. (See Barton, Clarence H.)

Purdue Research Foundation. (See Hall, Joseph M., assignor.)

Pure Oil Company, The. (See Osterstrom, Rudolph C., assignor.)

Purkett, Edward D., assignor to Purkett Laundry Company, Joplin, Mo. Laundry shake-out tumbler. 2,067,543; Jan. 12.

Purkett Laundry Company. (See Purkett, Edward D., assignor.)

Putnam, Carl, Norristown, Pa. Pneumatic tire. 2,067,788; Jan. 12.

Rabinowitsch, Efraim, Paris, France, assignor to Nomolas Limited, London, England. Mechanically opening the bran. 2,067,341; Jan. 12.

Radestock, Hans, Mannheim, assignor of one-half to Zellstofffabrik, Waldorf, Mannheim-Waldorf, Germany. Production of craped or crimped artificial yarns. 2,067,544; Jan. 12.

Radio Corporation of America. (See Beverage, Harold H., assignor.)

Radio Corporation of America. (See Hand, Eric H., assignor.)

Radio Corporation of America. (See Snow, Harold A., assignor.)

Radio Corporation of America. (See Webster, William S., assignor.)

Radio Corporation of America. (See Whitaker, James N., assignor.)

Radtke, Bruno. (See Simpkins, C. R., and Radtke.)

Rail Joint Company, The. (See Gadd, W. E., and Lansing, assignors.)

Rakula, Theodor. (See Herlach, F., and Rakula.)

Ramapo Ajax Corporation. (See Clarke, Herbert S., assignor.)

Ramet Corporation of America. (See Balke, Clarence W., assignor.)

Ramsey, Robert P., Philadelphia, Pa., assignor to The National Supply Co. of Delaware, Toledo, Ohio. Compression ignition engine. 2,067,461; Jan. 12.

Ransome Concrete Machinery Company. (See Bushnell, J. E., and Faber, assignors.)

Rauwenhoff, Frans C., Oegstgeest, assignor to Naamlooze Vennootschap: Koninklijke Nederlandsche Grofsmederij, Leiden, Netherlands. Making electrically welded chain links. 2,067,342; Jan. 12.

Raymond, Arthur B., Montclair, N. J. Self-leveling chair. 2,067,203; Jan. 12.

Reed Propeller Co., The. (See Browne, K. A., Goodman, and Loman, assignors.)

Reed Propeller Co., The. (See Chilton, Roland, assignor.)

Reher, Carl, Berlin-Halensee, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,067,648; Jan. 12.

Reichwald, Victor B. (See Heibig, Albin R., assignor.)

Reintjes, George P., Kansas City, Mo. Arch and arch block. 2,067,414; Jan. 12.

Remington Arms Company. (See Woodford, Watson H., assignor.)

Remington Rand Inc. (See Phelps, Joseph, assignor.)

Reo Motor Car Company. (See Sergardi, Fabio, assignor.)

Revere Copper and Brass Incorporated. (See Wilkins, Richard A., assignor.)

Rhodes, Lane, et al. (See Christiansen, Frederick A., assignor.)

Rice, Barton & Fales, Inc. (See Vedder, J. W., and Robinson, assignors.)

Richard, William E., Galesburg, Ill. Refrigerator cabinet. 2,067,504; Jan. 12.

Richardson, William A., Bristol, Tenn. Sanitary valve system. 2,067,204; Jan. 12.

Richford, Herbert, Moston, Manchester, England. Brake mechanism. 2,067,343; Jan. 12.

Ricketts, John B., Jr., Lomita Park, San Bruno, Calif. Pneumatic tire assembly. 2,067,545; Jan. 12.

Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,067,649; Jan. 12.

Riehm, Wilhelm, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Internal combustion engine. 2,067,288; Jan. 12.

Rimmer, Herbert A., Glasgow, assignor of one-half to A. Wallace, Glasgow, and one-half to J. D. Mackenzie, Lanarkshire, Scotland. Appliance for playing a game. 2,067,732; Jan. 12.

Ringe, William H., Berkeley, Calif. Bridge span inspection and maintenance traveler. 2,067,344; Jan. 12.

Ritzerfeld, Wilhelm, Berlin, Germany. Apparatus for multiplying records. 2,067,289; Jan. 12.

Riviere, Albert S., Chicago, Ill., assignor to Union Special Machine Company. Sewing machine for edging fabrics. 2,067,650; Jan. 12.

Robaczynski, Ladislaus, Brooklyn, N. Y. Knitting machine. 2,067,733; Jan. 12.

Robb, Paul R. (See Morris, Ira A., assignor.)

Roberts, Claudius H. M., San Marino, and R. L. Belshe, Long Beach, assignors to Petroleum Rectifying Company of California, Los Angeles, Calif. Purifying liquids. 2,067,345; Jan. 12.

Robertson, George L., Philadelphia, assignor of one-half to W. R. Murphy, Merion, Pa. Safety razor. 2,067,789; Jan. 12.

Robertson, Robert R., Glencoe, Ill. Etching machine. 2,067,290; Jan. 12.

Robin, Philip T., Cleveland Heights, assignor to American Third Axle Corp., Cleveland, Ohio. Multiwheel motor vehicle. 2,067,861; Jan. 12.

Robinson, Charles E. (See Vedder, J. W., and Robinson.)

Robinson, Preston, and J. L. Colling, North Adams, assignors to Sprague Specialties Co., Quincy, Mass. Electrolytic device. 2,067,703; Jan. 12.

Robison, Clinton S., Chicago, Ill., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif. Continuous rotary filter. 2,067,415; Jan. 12.

Robison, Floyd W., and G. D. Elmer, Detroit, Mich. Desiccating liquids. 2,067,205; Jan. 12.

Rocher, Etienne J., Johannesburg, Union of South Africa. Road vehicle. 2,067,546; Jan. 12.

Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Game apparatus. 2,067,244; Jan. 12.

Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Game apparatus. 2,067,245; Jan. 12.

Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)

Rockwell, Hugh M., Freeport, N. Y. Electric switch. 2,067,681; Jan. 12.

Röhm & Haas Company. (See Helwig, Edward L., assignor.)

Röhm & Haas Company. (See Röhm, Otto, assignor.)

Röhm, Otto, Darmstadt, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa. Polymerizing organic compounds. 2,067,580; Jan. 12.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 2,067,416; Jan. 12.

Romney, Reuben, Jr., assignor to Cheezits Corporation, Salt Lake City, Utah. Cooking edibles. 2,067,682; Jan. 12.

Roofing Machinery Mfg. Co. (See McFarland, Owen D., assignor.)

Roseman, Leo, Newark, N. J., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Separable fastener. 2,067,737; Jan. 12.

Ross, Albert M., New Britain, Conn. Welding electrode. 2,067,206; Jan. 12.

Roudanez, Georges, Chicago, Ill. Automatic speed change power transmission. 2,067,650; Jan. 12.

Routh, Almond C., Sandusky, Ohio. Ice cream manufacturing apparatus. 2,067,683; Jan. 12.

Rovinsky, Stanley J., Menominee, Mich., assignor to R. H. Beman. Regulating valve. 2,067,346; Jan. 12.

Rowley, Albert T., Pittsburgh, Pa. Artificial leg. 2,067,651; Jan. 12.

Rumford Chemical Works. (See Fiske, A. H., and Bryan, assignors.)

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and producing. 2,067,862; Jan. 12.

Russell, Alexander G. (See Pollard, C. E., and Russell.)

Russell, Frank J. (See Seeger, E. W., and Russell.)

Rysick, Arno, Dresden, Germany. Recording and reproducing device. 2,067,347; Jan. 12.

Sachs, Morris, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc. Wearing apparel. 2,067,684; Jan. 12.

Safety Car Heating & Lighting Company, The. (See Godsey, Frank W., Jr., assignor.)

Sager, Samuel N., Chicago, Ill. Hand protector. 2,067,790; Jan. 12.

Sager, Samuel N., Chicago, Ill. Hand protecter. 2,067,791; Jan. 12.

Sallee, Webster I., Cleveland, Ohio. Apparatus for preheating fluids. 2,067,417; Jan. 12.

Salsberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamines and making the same. 2,067,291; Jan. 12.

Sanders, James A., Lando, S. C. Machine for applying stamps and labels. 2,067,462; Jan. 12.

Sanford, Charles C. (See Wheeler, E. F., and Sanford.)

Sattgast, Irl D., Gillespie, Ill. Internal combustion engine. 2,067,878; Jan. 12.

Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Motor vehicle braking-wheel driving structure. 2,067,207; Jan. 12.

Saxby, Robert N., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Mounting arrangement for electrical apparatus. 2,067,246; Jan. 12.

Schaper, Otto, Berlin-Schlachtensee, Germany. Series clutch mechanism for motor vehicles. 2,067,685; Jan. 12.

Schaumann, George, Jr., by H. W. Schaumann, Milford, administratrix, assignor to Hazel W. Schaumann, Devon, Conn. Kitchen range burner oil pump. 2,067,348; Jan. 12.

Schaumann, Hazel W., administratrix. (See Schaumann, George, Jr., assignor.)

Schildknecht, Paul S., Los Angeles, assignor to E. F. McClung, Huntington Park, Calif. Mat. 2,067,418; Jan. 12.

Schirm, Erik, Dessau-in-Anhalt, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. N-Long chain alkyl aromatic amino sulphonic acids and producing same. 2,067,463; Jan. 12.

Schmid, Julius. (See Millen, Stanley S., assignor.)

Schneider, Louis, and N. Modad, Carbondale, Pa. Garbage disinfecting device. 2,067,547; Jan. 12.

Schniewind, H. E. (See Barnick, Arthur, assignor.)

Schroder, William C. (See Knapp, R. W., and Lund, assignors.)

Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Heinitz, Woldemar, assignor.)

Schuchat, Jonas. (See Zimmerman, L. R., and Schuchat.)

Schuftan, Paul, Hoeilriegelskreuth, near Munich, Germany, assignor to The Linde Air Products Company. Process and apparatus for separating gas mixtures. 2,067,349; Jan. 12.

Schwarz, Sidney L., Highland Park, assignor to Cellufoam Corporation, Chicago, Ill. Feeding mechanism for fibrous layers. 2,067,350; Jan. 12.

Schweller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,067,208; Jan. 12.

Scovill Manufacturing Company. (See Huckins, Royal, assignor.)

Scovill Manufacturing Company. (See Janes, Edmund D., assignor.)

Scovill Manufacturing Company. (See Miller, Henry, assignor.)

Scovill Manufacturing Company. (See Wolff, Jerome G., assignor.)

Seaholm, Herman G. (See Dahlstrand, H. P., and Seaholm.)

Seaman, Joseph W., Upper Darby, Pa., assignor to General Electric Company. Circuit breaker. 2,067,792; Jan. 12.

Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Opthalmic mounting. 2,067,419; Jan. 12.

Seeger, Edwin W., and F. J. Russell, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Battery charging system. 2,067,420; Jan. 12.

Selbold, Ernst, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Hydraulic transmission. 2,067,209; Jan. 12.

Selbold, Ernst, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany, a copartnership. Hydraulic variable speed transmission and operating the same 2,067,793; Jan. 12.

Sekula, John. (See Skuret, M., and Sekula.)

Selected Devices Company. (See Meyrowitz, Ernest D., assignor.)

Semagraph Company. (See Green, Buford L., assignor.)

Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidants. 2,067,686; Jan. 12.

Senft, Emil, Cleveland, Ohio. Card table. 2,067,548; Jan. 12.

Sergardi, Fabio, Lansing, Mich., assignor to Reo Motor Car Company. Cooling apparatus. 2,067,421; Jan. 12.

Severson, Albert C., et al. (See Severson, Samuel, assignor.)

Severson, Samuel, assignor of one-fourth to A. C. Severson, Valders, and one-half to J. Stahl, Chilton, Wis. Straw separator. 2,067,422; Jan. 12.

Seyferth, Carl G., assignor to West Michigan Steel Foundry Co., Muskegon, Mich. Coupler. 2,067,794; Jan. 12.

Shankland, Rodney V. (See Price R. H., and Shankland.)

Sharples Specialty Company, The. (See Ayres, Arthur H., assignor.)

Sharples Specialty Company, The. (See Jones, Leo D., assignor.)

Shaw, Frederick H., et al. (See Good, Francis R., assignor.)
Shell Development Company. (See Evans, T. W., and Hullard, assignors.)
Shell Development Company. (See Groll, H. P. A., and Hearne, assignors.)
Shell Development Company. (See Moravec, Richard Z., assignor.)
Shell Development Company. (See Steck, Leo V., assignor.)
Shell Development Company. (See von Stiets, George E. G., assignor.)
Shell Development Company. (See Williams, E. C., and McAllister, assignors.)
Sherman, John Q., Dayton, Ohio. Attachment for writing machines. 2,067,210; Jan. 12.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio, said Metzner assignor to said Sherman. Platen roll for writing machines. 2,067,211; Jan. 12.
Shoe Forms Co. (See DeWitt, William J., assignor.)
Shurkatch Fishing Tackle Co. (See Albiser, Louis, assignor.)
Sieger, Maurice P., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Slab pusher. 2,067,505; Jan. 12.
Siemens-Schuckertwerke, Aktiengesellschaft. (See Nesselmann, Kurt V., assignor.)
Silberman, David, New York, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Interlocking fastener structure. 2,067,734; Jan. 12.
Silberman, David, New York, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Interlocking fastener structure. 2,067,735; Jan. 12.
Silberman, David, New York, assignor to Koh-I-Noor, Inc., Long Island City, N. Y. Slide operative fastener structure. 2,067,736; Jan. 12.
Silva, Frank V., Turlock, Calif. Casein drier. 2,067,506; Jan. 12.
Simon, Charles L., Elkins Park, assignor to Industrial By-Products and Research Corporation, Philadelphia, Pa. Hosiery testing apparatus. 2,067,863; Jan. 12.
Simpkins, Carl R., Inglewood, Calif., and B. Radtke, Libertyville, assignors to The Exhibit Supply Company, Chicago, Ill. Vending machine attachment. 2,067,351; Jan. 12.
Singer, Adolph. (See Singer, Isaac, A., and H.)
Singer, Hyman. (See Singer, Isaac, A., and H.)
Singer, Isaac, A., and H., Montreal, Quebec, Canada. Cushioned seat. 2,067,621; Jan. 12.
Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
Singer Manufacturing Company, The. (See von Lehn, Reinhold E., assignor.)
Sitař, Miroslav, Prague, Czechoslovakia. Internal combustion engine. 2,067,292; Jan. 12.
Skelly Oil Company. (See Hunt, A. A., and Adair, assignors.)
Skuret, Michael, and J. Sekula, Clifton, N. J. Gauge for fluids in tanks. 2,067,795; Jan. 12.
Slater, Victor W. (See Weber, I. R., and Slater.)
Smith, Anthony N., assignor, by mesne assignments, to The Girard Manufacturing Company, Girard, Pa. Battery lighted locomotive toy. 2,067,352; Jan. 12.
Smith, Carroll C. (See Williams, L., and Smith.)
Smith, Cecil H., Elmira, assignor, by mesne assignments, to American-La France-Foamite Corporation, New York, N. Y. Cushion flask base. 2,067,581; Jan. 12.
Smith, Charles C., Nicholas, Conn., assignor to General Electric Company. Electric cord and attachment cap. 2,067,796; Jan. 12.
Smith, Donald L., Caldwell, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch control apparatus. 2,067,212; Jan. 12.
Smith, Donald L., Caldwell, N. J., assignor to Air Reduction Company, Incorporated, New York N. Y. Valve control apparatus. 2,067,622; Jan. 12.
Smith, George O., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Treating lead and lead alloys. 2,067,507; Jan. 12.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,067,464; Jan. 12.
Smith, Leslie A. (See Hudson, F. G., and Smith.)
Smith, Robert W., Aldan, Pa., assignor to General Electric Company. Circuit breaker. 2,067,797; Jan. 12.
Smith, Wesley A., Detroit, Mich. Garage door. 2,067,623; Jan. 12.
Smith, William L., Jr. (See Lawson, R. H., and Smith.)
Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill appliance. 2,067,508; Jan. 12.
Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shear. 2,067,509; Jan. 12.
Smythe, Paul H., Jr., Chicago, Ill. Coin control device. 2,067,248; Jan. 12.
Snap-On Tools, Inc. (See Frisz, George E., assignor.)
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company. Explosive. 2,067,213; Jan. 12.
Snow, Harold A., Mountain Lakes, N. J., assignor to Radio Corporation of America. Synchronized dynatron oscillator. 2,067,353; Jan. 12.
Sohn, Clement J., Lansing, and A. J. Davis, East Lansing, Mich. Glider. 2,067,423; Jan. 12.
Somes, Arthur D. (See Ericson, F. R., and Somes.)
Songer, Frederick E., Los Angeles, Calif. Window hinge. 2,067,798; Jan. 12.
Soteros, Lambros K., Chicago, Ill. Tool. 2,067,247; Jan. 12.
Spare, Lola, Los Angeles, Calif. Brassière. 2,067,354; Jan. 12.
Spence, Paulsen, East Orange, N. J. Pressure reducing apparatus. 2,067,510; Jan. 12.
Sperling, Edward, Belle Harbor, N. Y. Sound filter for loud speakers. 2,067,582; Jan. 12.
Spooner, Albert P., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rolling rails. 2,067,293; Jan. 12.
Sprague Specialties Co. (See Robinson, P., and Collins, assignors.)
Squibb, E. R., & Sons. (See Nitardy, F. W., and Jones, assignors.)
Stahl, John, et al. (See Severson, Samuel.)
Standard Oil Company (Indiana). (See Price, R. H., and Shankland, assignors.)
Standard Oil Company of California. (See Zeitfuchs, Edward H., assignor.)
Stark, Virgile, Neuilly-sur-Seine, France. Device for feeding coal furnaces. 2,067,583; Jan. 12.
Starkey, William C., trustee, et al. (See Barton, Clarence H., assignor.)
Statler, Walter H., Johnstown, Pa., assignor to Bethlehem Steel Company. Mine car. 2,067,249; Jan. 12.
Staudinger, Hanns P. (See Auden, H. A., Staudinger, and Englesfield.)
Stearns, Roswell H., assignor to Magnetic Manufacturing Company, Milwaukee, Wis. Magnetic separator and process of separation. 2,067,584; Jan. 12.
Steck, Leo V., Oakland, assignor to Shell Development Company, San Francisco, Calif. Cleaning composition. 2,067,355; Jan. 12.
Steele, James R. (See Moore, G. L., and Steele.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Freezing tray separator construction. 2,067,799; Jan. 12.
Stegkemper, George H. (See Johnson, H. F., and Stegkemper.)
Steinberger, Irwin, New York, N. Y. Glove. 2,067,424; Jan. 12.
Stern, Georg, Nekargemund, and W. Hoess, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of valuable products from hydrocarbons. 2,067,511; Jan. 12.
Sterns, Roy A., Miami, Fla., assignor to The Roy Sterns Company, Cincinnati, Ohio. Apparatus for stringing tennis rackets. 2,067,512; Jan. 12.
Sterns, Roy, Company, The. (See Sterns, Roy A., assignor.)
Stevenson, Frederick A. (See Knight, J. M., Stevenson, and Willoughby.)
Stewart Bros. (See Bailey, Charles W., assignor.)
Stirling, Norman W., Plainfield, N. J., assignor to The Texas Company, New York, N. Y. Fluid heater control. 2,067,864; Jan. 12.
Stocks, James C., Atlanta, Ga. Envelope. 2,067,550; Jan. 12.
Stockton, Agnes E., Westcliff-on-Sea, England. Hydro-extractor. 2,067,800; Jan. 12.
Story, Le Roy G., Beacon, assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oil. 2,067,865; Jan. 12.
Strode, Victor W., Portland, Oreg. Primer valve. 2,067,425; Jan. 12.
Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Ergot-derived product and obtaining it. 2,067,866; Jan. 12.
Stuart, William W., Des Moines, Iowa. Control mechanism for air conditioning systems. 2,067,426; Jan. 12.
Super Mold Corporation of California. (See Woock, Herbert J., assignor.)
Suzuki, Masutaro, Oji-ku, Tokyo, assignor to Asahi Denka Kogyo Kabushiki Kaisha, Tokyo, Japan. Treating carbonaceous electrode-elements. 2,067,738; Jan. 12.
Svenska Aktiebolaget Gasaccumulator. (See Dalén, Gustaf, assignor.)
Swank Products, Inc. (See Baer, Lawrence E., assignor.)
Swanstrom, Arthur R., Duluth, Minn. Horseshoe. 2,067,427; Jan. 12.
Swinhoe, Charles D., Eastbourne, England. Court for games. 2,067,356; Jan. 12.
Sykes, William E., Buffalo, N. Y. Machine for hardening gear teeth. 2,067,549; Jan. 12.
Sykes, William E., Buffalo, N. Y. Metal cutting machine. 2,067,551; Jan. 12.
Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)
Taggart, Thomas. (See McCardle, G., and Taggart.)
Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Bearing for a variable speed drive. 2,067,513; Jan. 12.
Tanner, Robert R., Highland Park, and J. S. Thompson, assignors, by mesne assignments, to The Patents Corporation, Detroit, Mich. Coating metal. 2,067,214; Jan. 12.
Tanner, Robert R., Highland Park, and J. S. Thompson, assignors, by mesne assignments, to The Patent Corporation, Detroit, Mich. Bonding siccative coats to metal. 2,067,215; Jan. 12.

Tanski, Frank M., Maspeth, assignor to Karo Knit Fabrics, Inc., New York, N. Y. Knitted fabric and making the same. 2,067,739; Jan. 12.
Tautz, Herbert B., Milwaukee, Wis. Woodworking machine. 2,067,652; Jan. 12.
Taylor, Andrew L., assignor of one-half to P. B. Mitchell, Goldville, S. C. Supply replenishing means for roving frames and the like. 2,067,250; Jan. 12.
Taylor, Dwight, Crystal Lake, assignor to Oak Manufacturing Company, Chicago, Ill. Switch. 2,067,552; Jan. 12.
Taylor, Edward H., Oak Park, Ill. Metal strip for and method of making spiral pipe. 2,067,801; Jan. 12.
Taylor, William, assignor to Kapella, Limited, Leicester, England. Engraving machinery. 2,067,867; Jan. 12.
Taylor, William I. (See Dickie, W. A., and Taylor.)
Taylor, William I. (See Dickie, W. A., McGill, and Taylor.)
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of textile materials. 2,067,251; Jan. 12.
Tear, Harry R., Evanston, Ill., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,067,294; Jan. 12.
Teare, Robert C., Evanston, assignor to O-Cedar Corporation, Chicago, Ill. Floor mop. 2,067,687; Jan. 12.
Tears, Claude F., Mountain Lakes, N. J., assignor to The Petroleum Processes Corporation, Wichita, Kans. Decolorizing viscous lubricating oil. 2,067,802; Jan. 12.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Klotz, Ernst, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Michelssen, Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Polatsek, Max, assignor.)
Teleregister Corporation, The. (See Haselton, Berton L., assignor.)
Tennison, John T., Enid, Okla. Portable air conditioner. 2,067,303; Jan. 12.
Ter Horst, William P., Silver Lake, assignor to Wingfoot Corporation, Akron, Ohio. Synthetic plastics. 2,067,465; Jan. 12.
Terry, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 2,067,357; Jan. 12.
Texas Company, The. (See Manley, Robert E., assignor.)
Texas Company, The. (See Stirling, Norman W., assignor.)
Texas Company, The. (See Story, Le Roy G., assignor.)
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Thearle, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Vibration responsive device. 2,067,803; Jan. 12.
Thomas, Mervyn A., Montreal, Quebec, Canada, assignor to Metalwood Manufacturing Corporation, New York, N. Y. Pencil. 2,067,466; Jan. 12.
Thompson, John S. (See Tanner, R. R., and Thompson.)
Thompson, John S., Detroit, and H. J. Lodeesen, Berkley, assignors to The Patents Corporation, Detroit, Mich. Coating metal. 2,067,216; Jan. 12.
Thorne, Harold C., Washington, D. C. Rail testing apparatus. 2,067,804; Jan. 12.
Thornton, William K., Woodbridge, N. J. Tire pump. 2,067,358; Jan. 12.
Thum, Walter A., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for attaching heels to shoes. 2,067,295; Jan. 12.
Tobe Deutschmann Corporation. (See Metcalf, C. W., and Haskins, assignors.)
Todd, William, Leominster, Mass. Ball and socket joint. 2,067,553; Jan. 12.
Toledo Scale Manufacturing Company. (See Weckerly, Mark A., assignor.)
Toledo Scale Manufacturing Company. (See Williams, Lawrence S., assignor.)
Tönnies, Hans F., Altona-Grossdottbek, Germany. Photo-electric photometer. 2,067,843; Jan. 12.
Towers, Ernest J., Ruddington, assignor to George Blackburn and Sons Limited, Nottingham, England. Circular rib knitting machine. 2,067,805; Jan. 12.
Town, Clinton D., Portland, Oreg. Multiple piston engine. 2,067,217; Jan. 12.
Trimbach, Clem G., Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Gunner's seat and mounting. 2,067,585; Jan. 12.
Trinks, Willibald, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation. Method of and apparatus for cold rolling strip material. 2,067,514; Jan. 12.
Trojan Powder Company. (See Snelling, Walter O., assignor.)
Tschunkur, Eduard, and W. Bock, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial rubber-like masses. 2,067,304; Jan. 12.
Tumminello, Robert C., Colfax, La. Staple. 2,067,359; Jan. 12.
Tuttle, Loren W. (See Markle, M. G., and Tuttle.)
Twomey, Nora M., New York, N. Y. Detachable mattress support. 2,067,515; Jan. 12.
"Unichem" Chemikalien Handels A.-G. (See Schirm, Erik, assignor.)
Union Carbide and Carbon Corporation. (See Becket, F. M., and Franks, assignors.)
Union Carbide and Carbon Corporation. (See Franks, Russell, assignor.)
Union Oil Company of California. (See Bailey, James R., assignor.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
Universal Oil Products Company. (See Ipatieff, Vladimir, assignor.)
Universal Oil Products Company. (See Nelson, Edwin F., assignor.)
Union Special Machine Company. (See Riviere, Albert S., assignor.)
Union Switch & Signal Company, The. (See Witmer, H. G., and Hines, assignors.)
United American Bosch Corporation. (See Long, Herbert J., assignor.)
United Engineering & Foundry Company. (See Flaherty, John T., assignor.)
United Engineering & Foundry Company. (See Sieger, Maurice P., assignor.)
United Engineering & Foundry Company. (See Smitmans, John A., assignor.)
United Engineering & Foundry Company. (See Talbot, Howard H., assignor.)
United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)
United Shoe Machinery Corporation. (See Thum, Walter A., assignor.)
United States Gypsum Company. (See Campbell, Wilbert L., assignor.)
United States Gypsum Company. (See Pomerene, Joel, assignor.)
United States Smelting, Refining & Mining Company. (See Hall, Arthur E., assignor.)
Universal Hydraulic Corporation. (See Kinzie, Philip A., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Optical Corporation. (See Searles, Wayne S., assignor.)
Urfer, Adolf, Richmond Hill, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Indicating relative angular movements. 2,067,467; Jan. 12.
Usell, Abraham, Brooklyn, N. Y. Shipping box or carton. 2,067,740; Jan. 12.
Vahle, Edgar W., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Dispensing device. 2,067,554; Jan. 12.
Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Cooking range. 2,067,296; Jan. 12.
Van Allen, Lawrence R., Chicago, Ill. Finishing material and making the same. 2,067,297; Jan. 12.
Vedder, John W., Worcester, and C. E. Robinson, Cambridge, assignors to Rice, Barton & Fales, Inc., Worcester, Mass. Mechanical movement. 2,067,360; Jan. 12.
Vivian, Robert E., Garden City, assignor to General Chemical Company, New York, N. Y. Electrolytic purification. 2,067,361; Jan. 12.
Voith, J. M. (See Seibold, Ernst, assignor.)
Vom Lehn, Reinhold E., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine lighting device. 2,067,868; Jan. 12.
Von Stiets, George E. G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Purification of sugar juices. 2,067,362; Jan. 12.
Voorhies, L. J., Sr., et al. (See Fontaine, Lamar, Jr., assignor.)
Waeschle, Anton, assignor to General Motors Corporation, Detroit, Mich. Welder. 2,067,363; Jan. 12.
Waffenfabrik-Solothurn A.-G. (See Heriach, F., and Rakula, assignor.)
Wagner Electric Corporation. (See Griffin, George A., assignor.)
Wagner, Fritz, Berlin-Lichterfelde, Germany. Feed-water purifier plant for locomotive boilers. 2,067,805; Jan. 12.
Waldes Koh-I-Noor, Inc. (See Roseman, Leo, assignor.)
Waldes Koh-I-Noor, Inc. (See Silberman, David, assignor.)
Waldorf, Helmuth W., New York, assignor to The Wire and Steel Products Co., Inc., Brooklyn, N. Y. Strapping tool. 2,067,306; Jan. 12.
Waldron, John, corporation. (See Willis, C. C., and Warner, assignors.)
Walker, Ronald W., assignor of one-half to G. W. Warren, Megargel, Tex. Fruit juice extractor. 2,067,555; Jan. 12.
Wallace, Alexander, et al. (See Rimmer, Herbert A., assignor.)
Wallis, John W., Los Angeles, Calif. Pipe coupling. 2,067,428; Jan. 12.
Walsh, Charles S., Annapolis, Md. Attachment for a racing shell. 2,067,218; Jan. 12.
Ward, John T. (See Gary, W. W., and Ward.)
Warner, Sterling W. (See Willis, C. C., and Warner.)
Warren, Geraldus W. (See Walker, Ronald W., assignor.)
Watson, Arthur H., Wilmette, assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,067,298; Jan. 12.
Watson, Thomas S. (See Koplin, H., and Watson.)
Watts, Henry A. (See Barber, W. E., and Watts.)
Weber, Arthur E., Green Garden Township, Will County, Ill. Fence wire fastener and post construction. 2,067,688; Jan. 12.

Weber, Isaac E., and V. W. Slater, Luton, England, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of hydrogen peroxide. 2,067,364; Jan. 12.
Webster Company, The. (See Erwood, Joseph, assignor.)
Webster, William S., Palmyra, N. J., assignor to Radio Corporation of America. Radio direction finder. 2,067,516; Jan. 12.
Weckerly, Mark A., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,067,741; Jan. 12.
Weckerly, Mark A., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Determining characteristics of concrete aggregates. 2,067,742; Jan. 12.
Weckerly, Mark A., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing device. 2,067,743; Jan. 12.
Weinand, Klaus, Leverkusen-I. G., Werk, and C. Bamberger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series. 2,067,468; Jan. 12.
Weinand, Klaus, Leverkusen-I. G., Werk, and C. Bamberger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series. 2,067,469; Jan. 12.
Wentworth, Philip C., Providence, R. I. Traveler. 2,067,429; Jan. 12.
West Michigan Steel Foundry Co. (See Seyferth, Carl G., assignor.)
Western Union Telegraph Company, The. (See Lawton, C. S., and Bloomer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kesselring, F., and Begrich, assignors.)
Westinghouse Electric & Manufacturing Company. (See Reber, Carl, assignor.)
Wettlaufer, William L., Buffalo, N. Y. Golf club. 2,067,556; Jan. 12.
Wheeler, Edwin F., and C. C. Sanford, Baltimore, Md. Anti-back-drift emergency brake. 2,067,517; Jan. 12.
Whelan, John J., Washington, D. C., assignor to Copper Houses Incorporated, New York, N. Y. Sheet material building construction. 2,067,252; Jan. 12.
Whitaker, James N., Tuckahoe, N. Y., assignor to Radio Corporation of America. Oscillatory circuit. 2,067,365; Jan. 12.
Whitaker, James N., Tuckahoe, N. Y., assignor to Radio Corporation of America. Dynatron oscillator circuit. 2,067,366; Jan. 12.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Treatment of filaments, films, and textile fabrics. 2,067,219; Jan. 12.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Making sized textile materials. 2,067,220; Jan. 12.
Whitmire, William A., Albany, Calif. Mucking machine. 2,067,879; Jan. 12.
Wickersham, Harry P. (See Burns, E., and Wickersham.)
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Alloys. 2,067,306; Jan. 12.
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Stainless copper base alloy. 2,067,307; Jan. 12.
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Stainless copper base alloy. 2,067,308; Jan. 12.
Willetts, Albert L. (See Willetts, George F., and A. L.)
Willetts, George F., and A. L., London, England. Carrier bag. 2,067,367; Jan. 12.
Williams, Evan C., and S. H. McAllister, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogenation catalyst and its preparation. 2,067,368; Jan. 12.
Williams, Ira, Woodstown, and C. C. Smith, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber solution. 2,067,299; Jan. 12.
Williams, John H., Providence, R. I. Tenter machine. 2,067,369; Jan. 12.
Williams, John J. (See Noll, J. J., and Williams.)
Williams, Langdon, Philadelphia, Pa. Rear axle assembly for motor vehicles. 2,067,607; Jan. 12.
Williams, Lawrence S., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing and classifying device. 2,067,744; Jan. 12.
Williams, Walter W., Bloomington, Ill. Room thermostat. 2,067,745; Jan. 12.
Willis, Charles C., Bound Brook, and S. W. Warner, Somerville, assignors to John Waldron Corporation, New Brunswick, N. J. Combining machine. 2,067,300; Jan. 12.
Willmeng, Joseph L. (See Cooper, C. E., and Willmeng.)
Willoughby, Victor. (See Knight, J. M., Stevenson, and Willoughby.)
Winget Kickernick Company. (See Peck, Ruth F., assignor.)
Wingfoot Corporation. (See Lichty, Joy G., assignor.)
Wingtect Corporation. (See ter Horst, William P., assignor.)
Winter, Martin, New York, and V. D'Amato, Corona, N. Y., said D'Amato assignor to said Winter. Carburetor. 2,067,221; Jan. 12.
Wire and Steel Products Co., The. (See Waldorf, Helmuth W.)
Witmer, Harold G., Pittsburgh, and C. M. Hines, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Signal lighting apparatus. 2,067,653; Jan. 12.
Wogaman, Martin W., Greenville, Ohio. Portable draftsman's case. 2,067,309; Jan. 12.
Wohanka, George J., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine exhaust system. 2,067,253; Jan. 12.
Wolff, Jerome G., assignor to Scovill Manufacturing Company, Waterbury, Conn. Button or the like. 2,067,222; Jan. 12.
Woock, Herbert J., Lodi, Calif., assignor, by mesne assignments, to Super Mold Corporation of California. Socket wrench. 2,067,370; Jan. 12.
Wood, Ira E. (See Curtis, A. M., and Wood.)
Woodford, Watson H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Liquid coating composition. 2,067,586; Jan. 12.
Woodward, Benjamin W. (See Howey, Walter C., assignor.)
Worth Company, The. (See Nampa, Sulo M., assignor.)
Yingling, Frank B., assignor to C. J. Fitton, Hamilton, Ohio. Coal mining machine. 2,067,226; Jan. 12.
Zabel, Rolland M., Lynnfield, assignor to Hygrade Sylvania Corporation, Salem, Mass. Lamp filament and manufacture thereof. 2,067,746; Jan. 12.
Zahodiakin, Victor F., Cincinnati, Ohio. Internal combustion engine. 2,067,254; Jan. 12.
Zeitfuchs, Edward H., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Viscometer. 2,067,430; Jan. 12.
Zellstofffabrik Waldorf. (See Radestock, Hans, assignor.)
Zimmerman, Arthur C., and F. E. Knaack, assignors to The Duro Company, Dayton, Ohio. Water softening apparatus. 2,067,808; Jan. 12.
Zimmerman, Lester R., and J. Schuchat, Chicago, Ill. Container. 2,067,749; Jan. 12.
Zimmermann, Fritz, assignor to Baker & Co., Inc., Newark, N. J. Electrolytes for plating rhodium and making the same. 2,067,747; Jan. 12.
Zimmermann, Fritz, assignor to Baker & Company, Inc., Newark, N. J. Making soluble salts and products thereof. 2,067,748; Jan. 12.
Zwelbel, Charles A., Louisville, Ky., assignor to Chicago Railway Equipment Company, Chicago, Ill. Safety supporting means. 2,067,587; Jan. 12.
Zwelbel, Charles A., Louisville, Ky., assignor to Chicago Railway Equipment Company, Chicago, Ill. Safety support. 2,067,588; Jan. 12.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cable, High tension. T. F. Peterson. 20,244; Jan. 12.
Can, Collapsible paper. A. M. Boothby and M. E. Gazette. 20,235; Jan. 12.
Defrosting mechanism. L. H. Vold. 20,243; Jan. 12.
Defrosting refrigerating units, Automatically. G. T. Hoffman. 20,245; Jan. 12.
Engine, Internal combustion. W. H. Robertson. 20,242; Jan. 12.
Heat controlling system. P. R. Owens. 20,240; Jan. 12.
Teeth, False. H. C. Berry. 20,234; Jan. 12.
Telegraph exchange system, Printing. D. B. Perry. 20,241; Jan. 12.
Telegraph system, Printing. A. W. Breyfogel. 20,236; Jan. 12.
Television. P. Mertz. 20,239; Jan. 12.
Vehicle body. R. L. Carr. 20,237; Jan. 12.
Water softener, Faucet. V. F. Lamela, E. Pick, and W. S. Robertson. 20,238; Jan. 12.

LIST OF PLANT INVENTIONS

Carnation. A. F. J. Baur. 219; Jan. 12.

LIST OF DESIGN INVENTIONS

Accordion. R. Pancotti. 102,700; Jan. 12.
Ash tray. E. R. Spiegel. 102,703; Jan. 12.
Bottle. F. W. Bireley. 102,674; Jan. 12.
Bowl. J. E. Matchet. 102,694; Jan. 12.
Brooch or similar article. C. Adler. 102,709; Jan. 12.
Buckle. J. B. Freysinger. 102,680–2; Jan. 12.
Cabinet and apparatus, Combination vacuum and pressure treatment. L. J. Andres. 102,710; Jan. 12.
Cabinet, Dispenser. J. C. Perrin. 102,730; Jan. 12.
Canister. G. W. Stallings and G. W. Walker. 102,704; Jan. 12.
Chair. H. N. McLellan. 102,695; Jan. 12.
Chart, Color. H. J. Opsahl. 102,699; Jan. 12.
Cigarette extinguisher. C. L. Fay. 102,679; Jan. 12.
Clock. O. K. Mitchell. 102,697; Jan. 12.
Clock, Globe. A. L. Koolish. 102,690; Jan. 12.
Dish or similar article. J. E. Matchet. 102,693; Jan. 12.
Dispenser or similar article, Soap chip. C. Miller. 102,696; Jan. 12.
Dress. T. Coleman. 102,676; Jan. 12.
Emblem or similar article for wearing apparel, Appliqué. L. Haines. 102,715; Jan. 12.
Eyeshade or similar article. S. S. Berk. 102,673; Jan. 12.
Fabric for ladies' shoes and handbags or similar article. W. Michaels. 102,722–3; Jan. 12.
Fabric, Knitted. J. Markowitz. 102,692; Jan. 12.
Fabric, Knitted. B. Siegel. 102,732; Jan. 12.
Fabric or similar article, Textile. E. J. Das. 102,677; Jan. 12.
Fabric, Textile. S. Breukstone. 102,675; Jan. 12.
Fabric, Textile. J. Gluck. 102,683; Jan. 12.
Fabric, Textile. E. I. Hansson. 102,685–6; Jan. 12.
Fabric, Textile. E. I. Hansson. 102,716; Jan. 12.
Fabric, Textile. A. S. Heiman. 102,687–8; Jan. 12.
Fabric, Textile. K. Kanter. 102,717; Jan. 12.
Fabric, Textile. A. Levy. 102,691; Jan. 12.
Fabric, Textile. M. Morris. 102,698; Jan. 12.
Fan, Electric. E. S. Preston. 102,701; Jan. 12.
Game apparatus, Amusement. J. F. Meyer. 102,721; Jan. 12.
Globe, Lighting fixture. L. C. Doane. 102,678; Jan. 12.
Glove. E. Webster. 102,707; Jan. 12.
Guard for bicycles, Combined chain and skirt. J. R. Morgan. 102,727–8; Jan. 12.
Handbag frame, Lady's. M. Rosenberg. 102,731; Jan. 12.
Handlebar post. J. R. Morgan. 102,726; Jan. 12.
Holder, Cigarette. C. B. Strauch. 102,705; Jan. 12.
Horn and headlight casing for bicycles or the like, Combined. J. R. Morgan. 102,725; Jan. 12.
Inhalator. M. E. Roe and W. H. Adams. 102,702; Jan. 12.
Ironing machine. E. B. Carson. 102,712; Jan. 12.
Lace. L. Birnbaum. 102,711; Jan. 12.
Match cluster and holder, Combined. L. Guild. 102,713; Jan. 12.
Mirror frame, Rear view. H. M. Pemberton. 102,729; Jan. 12.
Pedal for bicycles or the like. J. R. Morgan. 102,724; Jan. 12.
Pen, Fountain. G. Larsen. 102,720; Jan. 12.
Reflector for electric lighting fixtures, Translucent. G. Ainsworth. 102,672; Jan. 12.
Rug or similar article. F. A. Haas. 102,684; Jan. 12.
Rug or similar article. F. A. Haas. 102,714; Jan. 12.
Rug or similar article. G. V. Uihlein. 102,706; Jan. 12.
Shoe. J. Starr. 102,733; Jan. 12.
Shoe. H. E. Williams. 102,708; Jan. 12.
Sole, Shoe. J. A. Katz and F. F. Hills. 102,689; Jan. 12.
Typewriting machine. J. A. Zellers and H. E. Bridgwater. 102,734; Jan. 12.
Vase. G. McS. Jackson. 102,719; Jan. 12.
Vehicle, Juvenile. H. L. Kraeft. 102,718; Jan. 12.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator. L. J. Charipar. 2,067,434; Jan. 12.
Acids and producing same, N-long chain alkyl aromatic amino sulphonic. E. Schirm. 2,067,463; Jan. 12.
Acids into stable aqueous solutions, Converting barbituric. H. Gruber. 2,067,317; Jan. 12.
Air conditioner, Portable. J. T. Tennison. 2,067,303; Jan. 12.
Air cooling system for vehicles, Electric. J. F. Frese. 2,067,837; Jan. 12.
Aircraft, Rotative wing. R. Hafner. 2,067,633; Jan. 12.
Aircraft tailplane. R. Hafner. 2,067,634; Jan. 12.
Air motor. C. Harris and C. G. Butler. 2,067,635; Jan. 12.
Alarm system. P. J. Corbett. 2,067,705; Jan. 12.
Alcohol derivatives, Production of amino. H. Dreyfus. 2,067,176; Jan. 12.
Aldehydes, Manufacture of aromatic. L. E. Hinkel. 2,067,237; Jan. 12.
Alkali metal salts of chloroethane sulphonic acid. E. C. Britton and R. D. Perkins. 2,067,873; Jan. 12.
Alkali thiocyanates, Manufacture of. E. L. Helwig. 2,067,606; Jan. 12.
Alloy, Tantalum carbide. C. W. Balke. 2,067,166; Jan. 12.
Alloys. R. A. Wilkins. 2,067,306; Jan. 12.
Alloys, Stainless copper base. R. A. Wilkins. 2,067,307–8; Jan. 12.
Anchor, Rail. G. L. Moore and J. R. Steele. 2,067,276; Jan. 12.
Angular movements, Indicating relative. A. Urfer. 2,067,467; Jan. 12.
Antenna for submarines. M. Polatzek. 2,067,337; Jan. 12.
Anti-back-drift emergency brake. E. F. Wheeler and C. C. Sanford. 2,067,517; Jan. 12.
Antioxidants. W. L. Semon. 2,067,686; Jan. 12.
Apparatus for study of traffic. J. M. Paver. 2,067,336; Jan. 12.
Apparel, Wearing. M. Sachs. 2,067,684; Jan. 12.
Appliance for playing a game. H. A. Rimmer. 2,067,732; Jan. 12.
Appliance for setting and bandaging forearm fractures. A. Gruca. 2,067,567; Jan. 12.
Aqueous solutions suitable for injection from substituted barbituric acids, Manufacture of. H. Gruber. 2,067,318; Jan. 12.
Arch and arch block. G. P. Reintjes. 2,067,414; Jan. 12.
Article of manufacture for continuous embossing. G. C. Chatfield and C. Emmey. 2,067,435; Jan. 12.
Article of manufacture, Initialed. P. J. Graham. 2,067,526; Jan. 12.
Article support. J. M. Frowenfeld and H. Hutt. 2,067,386; Jan. 12.
Artificial composition. H. Fikentscher. 2,067,706; Jan. 12.
Ash receiver. E. F. McDonald. 2,067,406; Jan. 12.
Attachment for a racing shell. C. S. Walsh. 2,067,218; Jan. 12.
Attachment on flat knitting machines for holding down the fabrics. W. Heinitz. 2,067,842; Jan. 12.
Automatic damper regulator. McC. Davidson. 2,067,564; Jan. 12.
Automobile lunch support. C. H. Ferrelle. 2,067,661; Jan. 12.
Axle assembly for motor vehicles, Rear. L. Williams. 2,067,807; Jan. 12.
Bag: *See*—
Carrier bag.
Bags, Method of and apparatus for making. A. Potdevin. 2,067,646; Jan. 12.
Ball and socket joint. W. Todd. 2,067,553; Jan. 12.
Bars, Apparatus for annealing merchant. J. T. Flaherty. 2,067,525; Jan. 12.
Bars or the like, Apparatus for handling and annealing metal. J. T. Flaherty. 2,067,524; Jan. 12.
Basket and liner therefor, Fruit. C. E. Cooper and J. L. Willmeng. 2,067,753; Jan. 12.
Battery cable terminal. R. W. Knapp and A. D. Lund. 2,067,195; Jan. 12.
Battery charging system. E. W. Seeger and F. J. Russell. 2,067,420; Jan. 12.
Bead forming machine. S. S. Millen. 2,067,641; Jan. 12.
Bearing: *See*—
Oil film bearing.
Bearing. J. W. Smith. 2,067,464; Jan. 12.
Bearing for a variable speed drive. H. H. Talbot. 2,067,513; Jan. 12.
Bearing for hydraulic locomotives, Center. W. Ferris. 2,067,483; Jan. 12.
Belt and making same. J. T. Potts. 2,067,647; Jan. 12.

Belt, Transmission. H. Koplin and T. S. Watson. 2,067,400; Jan. 12.
Billets for hollow drills and the like, Producing hollow. C. J. Cejrot. 2,067,389–90; Jan. 12.
Binder, Loose leaf. J. Cooper. 2,067,846; Jan. 12.
Bituminous materials, Making. A. R. Ebberts. 2,067,264; Jan. 12.
Blockout mechanism for duplicating machines. A. Marchev. 2,067,199; Jan. 12.
Bloomer undergarment for women and girls. R. F. Peck. 2,067,411; Jan. 12.
Blower control system. H. P. Dahlstrand and H. G. Seaholm. 2,067,479; Jan. 12.
Boiler: *See*—
Steam boiler.
Boiling cleaner. L. J. Bayer. 2,067,625; Jan. 12.
Box: *See*—
Pull box.
Box or carton, Shipping. A. Uzell. 2,067,740; Jan. 12.
Brace: *See*—
Shipping box brace.
Brake: *See*—
Anti-back-drift emergency brake.
Brake and the like, Friction. C. E. Murphy. 2,067,677; Jan. 12.
Brake beam support chair. E. G. Busse. 2,067,596; Jan. 12.
Brake gear safety device. D. M. Light. 2,067,610; Jan. 12.
Brake gear support. H. R. Naylor. 2,067,617; Jan. 12.
Brake mechanism. H. Richford. 2,067,343; Jan. 12.
Braking mechanism for automobiles. G. R. Hoffman. 2,067,570; Jan. 12.
Bran, Mechanically opening the. E. Rabinowitsch. 2,067,341; Jan. 12.
Brassière. L. Spare. 2,067,354; Jan. 12.
Brassière composed of two independent pockets. L. Cristofanetti. 2,067,379; Jan. 12.
Bridge span inspection and maintenance traveler. W. H. Ringe. 2,067,344; Jan. 12.
Brush, Shaving. L. Espinosa. 2,067,756; Jan. 12.
Buckle. J. B. Fressinger. 2,067,484; Jan. 12.
Buckle, plate, and the like, Initialed. L. E. Baer. 2,067,811; Jan. 12.
Building method and construction. J. Pomerene. 2,067,860; Jan. 12.
Burglar trap. P. A. Fiebiger. 2,067,662; Jan. 12.
Burner: *See*—
Gas burner.
Oil burner.
Liquid fuel burner.
Burner control. J. Good. 2,067,446; Jan. 12.
Burner control system, Fluid fuel. P. O. Henderson. 2,067,699; Jan. 12.
Button, Initial. R. C. Bangs. 2,067,814; Jan. 12.
Button or the like. R. Hinckins. 2,067,224; Jan. 12.
Button or the like. E. D. Janes. 2,067,223; Jan. 12.
Button or the like. J. C. Wolff. 2,067,222; Jan. 12.
Button positioning means. H. Miller. 2,067,225; Jan. 12.
Cabinet, Refrigerator. W. E. Richard. 2,067,504; Jan. 12.
Cabinet, Towel. L. M. Harvey. 2,067,760; Jan. 12.
Cable and making same, Rubber impregnated metal. R. Mayne. 2,067,405; Jan. 12.
Cable, Electric. C. J. Beaver and E. L. Davey. 2,067,169–70; Jan. 12.
(Calcium) superphosphate, Making double or treble. W. H. Mackintire. 2,067,538; Jan. 12.
Cans or similar receptacle, Wagon. H. H. Chapin. 2,067,658; Jan. 12.
Cap, Soft rubber attachment plug. F. J. Boller. 2,067,433; Jan. 12.
Caps, Forming. J. J. Noll and J. J. Williams. 2,067,459; Jan. 12.
Capsules, Device for loading and ejecting. F. Koch, Jr. 2,067,573; Jan. 12.
Car loading device. S. M. Nampa. 2,067,724; Jan. 12.
Car, Mine. W. H. Statler. 2,067,249; Jan. 12.
Car seat. J. M. Knight, F. A. Stevenson, and V. Willoughby. 2,067,668; Jan. 12.
Car stop. S. Clarke. 2,067,694; Jan. 12.
Car structure, Railroad. H. M. Pfleger. 2,067,579; Jan. 12.
Carburetor. M. Winter and V. D'Amato. 2,067,221; Jan. 12.
Card table. E. Senft. 2,067,548; Jan. 12.
Carpet cleaning machine. S. Chase, IV., and G. H. Palm. 2,067,752; Jan. 12.
Carrier bag. G. F. and A. L. Willetts. 2,067,367; Jan. 12.

Carton. H. A. Decker. 2,067,754; Jan. 12.
Case: *See*—
Correspondent's case. Portable draftsman's case.
Casein drier. F. V. Silva. 2,067,506; Jan. 12.
Catalyst and its preparation, Hydrogenation. E. C. Williams and S. H. McAllister. 2,067,368; Jan. 12.
Cathode structure for discharge devices. J. Bruijnes. 2,067,691; Jan. 12.
Cementitious material, Producing. G. A. Hoggatt. 2,067,762; Jan. 12.
Cellulose ester compositions, particularly for molding purposes. H. A. Auden, H. P. Staudinger, and P. Eaglesfield. 2,067,310; Jan. 12.
Centrifugal separator. A. U. Ayres. 2,067,590; Jan. 12.
Centrifugal separator. J. R. Knowles and B. C. Carter. 2,067,273; Jan. 12.
Chain: *See*—
Drive chain.
Chain links, Making electrically welded. F. C. Rauwenhoff. 2,067,342; Jan. 21.
Chair: *See*—
Brake beam support chair. Self-leveling chair.
Chemical compounds and preparing same. W. H. Carothers. 2,067,172; Jan. 12.
Chlorine, Apparatus for supplying. M. F. McCombs and F. W. Decker. 2,067,720; Jan. 12.
Circuit breaker. C. Reher. 2,067,648; Jan. 12.
Circuit breaker. J. W. Seaman. 2,067,792; Jan. 12.
Circuit breaker. R. W. Smith. 2,067,797; Jan. 12.
Circuit breaking device, Fusible electric. K. Nobuhara. 2,067,541; Jan. 12.
Circuit control means. J. J. Gardner and E. Letsch. 2,067,485; Jan. 12.
Circuit, Dynatron oscillator. J. N. Whitaker. 2,067,366; Jan. 12.
Circuit for electric ranges, Power. D. D. Findlay. 2,067,481; Jan. 12.
Circuit for oscillographs or the like. A. M. Curtis and I. E. Wood. 2,067,520; Jan. 12.
Circuit interrupter. H. J. Crabbs. 2,067,659; Jan. 12.
Circuit interrupter. F. Kesselring and F. Begrich. 2,067,673; Jan. 12.
Circuit, Oscillatory. J. N. Whitaker. 2,067,365; Jan. 12.
Circuits, Control. I. E. Cole. 2,067,519; Jan. 12.
Clamp for beds, floor lamps, and the like, Panel attaching. C. I. Gluckman. 2,067,487; Jan. 12.
Clamping device. A. Pachta. 2,067,618; Jan. 12.
Cleaner: *See*—
Boiler cleaner.
Cleaning composition. L. V. Steck. 2,067,355; Jan. 12.
Clock, Electric. L. Hammond. 2,067,708; Jan. 12.
Cloth finishing machine. W. N. Hadley. 2,067,632; Jan. 12.
Cloth, Liner. M. Keller. 2,067,667; Jan. 12.
Clutch aligning tool. G. E. Friss. 2,067,442; Jan. 12.
Clutch mechanism for motor vehicles, Series. O. Schaper. 2,067,685; Jan. 12.
Coal mining machine. F. B. Yingling. 2,067,226; Jan. 12.
Coating, Vinyl resin. D. M. Gray. 2,067,316; Jan. 12.
Coin control device. P. H. Smythe, Jr. 2,067,248; Jan. 12.
Combining machine. C. C. Willis and S. W. Warner. 2,067,300; Jan. 12.
Combustion motor. K. E. Kylén. 2,067,715; Jan. 12.
Compass for automatic piloting of moving bodies, Control. W. Freeman. 2,067,441; Jan. 12.
Compensator for heating boilers. H. A. R. Dietrich. 2,067,315; Jan. 12.
Composition for preventing vapor lock in internal combustion engines. J. H. Essick. 2,067,384; Jan. 12.
Composition for removing fibrous layers from surfaces. M. Leatherman. 2,067,326–7; Jan. 12.
Compression ignition engine. R. P. Ramsey. 2,067,461; Jan. 12.
Concealed hinge. L. R. Clarke. 2,067,561; Jan. 12.
Concrete aggregates, Determining characteristics of. M. A. Weckerly. 2,067,742; Jan. 12.
Concrete mixer. J. E. Bushnell and J. P. Faber. 2,067,826; Jan. 12.
Concrete, Waterproof. H. L. Levin. 2,067,772; Jan. 12.
Condenser: *See*—
Trimmer condenser.
Conductors, Producing insulated. J. W. Olson. 2,067,333; Jan. 12.
Confectionery making apparatus. J. E. Mayhew. 2,067,200; Jan. 12.
Constructional material. A. C. Fischer. 2,067,707; Jan. 12.
Container: *See*—
Dispensing container. Nonrefillable container.
Container. L. R. Zimmerman and J. Schuchat. 2,067,749; Jan. 12.
Continuous rotary filter. C. S. Robison. 2,067,415; Jan. 12.
Continuous thread-processing machine. W. F. Knebusch and F. Hillix. 2,067,881; Jan. 12.
Control device, Electric. A. J. McMaster. 2,067,613; Jan. 12.
Control for a safer operation of motor vehicles. H. B. Numer. 2,067,332; Jan. 12.
Control for humidifiers, Automatic. F. Bullock. 2,067,875; Jan. 12.
Control means. A. K. Foulds. 2,067,836; Jan. 12.
Control mechanism for air conditioning systems. W. W. Stuart. 2,067,426; Jan. 12.
Control mechanism for Diesel engines. B. Loeffler. 2,067,611; Jan. 12.
Control sheets, Preparing. B. L. Green. 2,067,183; Jan. 12.
Control system. A. Pfau. 2,067,460; Jan. 12.
Cooler: *See*—
Oil cooler.
Cooling apparatus. F. Sergardi. 2,067,421; Jan. 12.
Cooling system for motors. W. G. Milligan. 2,067,407; Jan. 12.
Cooling system for utilizing solid carbon dioxide. D. S. Lees. 2,067,676; Jan. 12.
Copy holder. J. Phelps. 2,067,786; Jan. 12.
Cord and attachment cap, Electric. C. C. Smith. 2,067,796; Jan. 12.
Correspondent's case. M. Lifton. 2,067,851; Jan. 12.
Counters, Making. C. W. Bailey. 2,067,812; Jan. 12.
Coupler. C. G. Seyferth. 2,067,794; Jan. 12.
Coupling: *See*—
Pipe coupling. Pump rod coupling.
Coupling for sucker rods and the like. H. F. Johnson and J. F. Connelly. 2,067,271; Jan. 12.
Court for games. C. D. Swinhoe. 2,067,356; Jan. 12.
Cover: *See*—
Spark plug cover.
Crating machine, Automatic. C. A. Miller, Sr. 2,067,301; Jan. 12.
Cultivator. J. J. Mueller. 2,067,781; Jan. 12.
Currents, Arrangement for amplifying alternating. E. Habann. 2,067,393; Jan. 12.
Cushion flask base. C. H. Smith. 2,067,581; Jan. 12.
Cushioned seat. L. A., and H. Singer. 2,067,621; Jan. 12.
Cutter: *See*—
Saw cutter.
Cutter head. C. A. Meisel. 2,067,456; Jan. 12.
Cylinders, Mechanism for movably supporting. O. D. McFarland. 2,067,777; Jan. 12.
Damper for heating units. R. Bollheimer. 2,067,560; Jan. 12.
De-icing means. K. A. Browne, W. B. Goodman, and D. J. Lowman. 2,067,595; Jan. 12.
Delivery mechanism for printing machine folders. N. De Manna. 2,067,565; Jan. 12.
Derrick. D. E. Humphery. 2,067,709; Jan. 12.
Detachable mattress support. N. M. Twomey. 2,067,515; Jan. 12.
Device for fabric holding-down attachments, Auxiliary. W. Heinitz. 2,067,841; Jan. 12.
Die for automatically working mechanical forging machines for manufacturing of seamless hollow bodies. M. Grünthal. 2,067,568; Jan. 12.
Die in the manufacture of shanks for shoes, Ejecting. M. Canter. 2,067,257; Jan. 12.
Dispenser: *See*—
Soap dispenser.
Dispensing container. G. Lateur. 2,067,196; Jan. 12.
Dispensing device. W. D. Finney. 2,067,523; Jan. 12.
Dispensing device. E. W. Vahle. 2,067,554; Jan. 12.
Display device. L. Dibrell. 2,067,437; Jan. 12.
Dithiocarbamates. J. G. Lichty. 2,067,494; Jan. 12.
Door, Garage. W. A. Smith. 2,067,623; Jan. 12.
Door lock. J. E. Morden. 2,067,779; Jan. 12.
Door mechanism, Elevator. C. Norton. 2,067,242; Jan. 12.
Double universal joint. J. W. B. Pearce. 2,067,286; Jan. 12.
Doughnut machine. H. T. Hunter. 2,067,840; Jan. 12.
Draft regulating system. T. Bray. 2,067,872; Jan. 12.
Drier: *See*—
Casein drier.
Drive chain. D. B. Perry. 2,067,243; Jan. 12.
Drive shaft arrangement. J. W. B. Pearce. 2,067,287; Jan. 12.
Dyes for acetate silk and their production, Azo. H. Ohlendorf and H. Lange. 2,067,725; Jan. 12.
Dyes, Water insoluble monoazo. H. Ohlendorf and E. Baumann. 2,067,726; Jan. 12.
Dyestuffs of the anthraquinone series, Acid wool. K. Weinand and C. Bamberger. 2,067,468–9; Jan. 12.
Eccentric for operating oliver rubbing devices. J. Hughes. 2,067,390; Jan. 12.
Edger attachment for grading machines. V. F. Baumgardner. 2,067,168; Jan. 12.
Edibles, Cooking. R. Romney, Jr. 2,067,682; Jan. 12.
Electric lamp, Adjustable. C. Birdseye. 2,067,844; Jan. 12.
Electric regulation. F. W. Godsey, Jr. 2,067,604; Jan. 12.
Electric switch. K. C. Allison. 2,067,557; Jan. 12.
Electric switch. H. M. Rockwell. 2,067,681; Jan. 12.
Electrical apparatus. C. W. Metcalf and R. L. Haskins. 2,067,615; Jan. 12.
Electrical indicating means. M. L. Haselton. 2,067,187; Jan. 12.
Electrical network. C. M. Gewertz. 2,067,443–4; Jan. 12.
Electrical system of lift control. A. A. Chubb. 2,067,378; Jan. 12.
Electrode-elements, Treating carbonaceous. M. Suzuki. 2,067,738; Jan. 12.
Electrode holder. F. M. Bowers. 2,067,230; Jan. 12.
Electrode, Welding. A. M. Ross. 2,067,206; Jan. 12.

Electrolytes for plating rhodium and making the same. F. Zimmermann. 2,067,747; Jan. 12.
Electrolytic device. P. Robinson and J. L. Collins. 2,067,703; Jan. 12.
Electrolytic purification. R. E. Vivian. 2,067,361; Jan. 12.
Electromotor compressor. J. Bell. 2,067,819; Jan. 12.
Electron device. F. Michelsen. 2,067,330; Jan. 12.
Electron discharge device. R. A. Heising. 2,067,529; Jan. 12.
Electron discharge tube. F. Hehlgans. 2,067,840; Jan. 12.
Elevator and latch construction. H. E. Grau. 2,067,663; Jan. 12.
Embroidering means for sewing machines. E. Grazak. 2,067,340; Jan. 12.
Engine: *See*—
Compression ignition engine. Internal combustion engine.
Heat engine. Multiple piston engine.
Engine. R. H. Beard. 2,067,171; Jan. 12.
Engine blower control. A. Fielden. 2,067,757; Jan. 12.
Engine cooling system. H. A. Flognus. 2,067,758; Jan. 12.
Engine exhaust system. G. J. Wohanka. 2,067,253; Jan. 12.
Engraving machinery. W. Taylor. 2,067,867; Jan. 12.
Engraving, Photoelectric. W. C. Howey and B. W. Woodward. 2,067,489; Jan. 12.
Envelope. J. C. Stocks. 2,067,550; Jan. 12.
Ergot-derived product and obtaining it. E. H. Stuart. 2,067,866; Jan. 12.
Etching machine. R. R. Robertson. 2,067,290; Jan. 12.
Ethers and producing the same. T. W. Evans and E. F. Bullard. 2,067,385; Jan. 12.
Ethers of cellulose, Preparation of araikyl. E. J. Lorand. 2,067,853; Jan. 12.
Evaporator structure, Flat type. R. H. Money and L. M. Crosley. 2,067,643; Jan. 12.
Expansion rail joint. H. S. Clarke. 2,067,598; Jan. 12.
Explosive. W. O. Snelling. 2,067,213; Jan. 12.
Extractor: *See*—
Fruit juice extractor.
Fabric and making the same, Knitted. F. M. Tanski. 2,067,739; Jan. 12.
Fabric, Making ornamented. A. Barnick. 2,067,816; Jan. 12.
Fan, Flexible blade. E. Newnham. 2,067,410; Jan. 12.
Fastener: *See*—
Hasp-type fastener. Separable fastener.
Fastener and post, construction, Fence wire. A. E. Weber. 2,067,688; Jan. 12.
Fastener structure, Interlocking. D. Silberman. 2,067,734–5; Jan. 12.
Fastener structure, Slide operative. D. Silberman. 2,067,736; Jan. 12.
Feeding apparatus. E. J. Kingsbury. 2,067,492; Jan. 12.
Feeding device. E. F. Terry. 2,067,357; Jan. 12.
Feeding mechanism for fibrous layers. S. L. Schwarz. 2,067,350; Jan. 12.
Figure, Ornamental molded. H. P. C. Keuls. 2,067,766; Jan. 12.
Filament and manufacture thereof, Lamp. R. M. Zabel. 2,067,746; Jan. 12.
Filaments, films, and textile fabrics, Treatment of. W. Whitehead. 2,067,219; Jan. 12.
Filaments for miniature incandescent lamps and articles, Making. W. J. Henry. 2,067,664; Jan. 12.
Filling machine. R. B. Bagby. 2,067,750; Jan. 12.
Films; Producing cellulosic. R. Etzkorn and E. Knehe. 2,067,522; Jan. 12.
Filter: *See*—
Continuous rotary filter.
Filter. C. H. Dooley. 2,067,439; Jan. 12.
Filter for loud speakers, Sound. E. Sperling. 2,067,582; Jan. 12.
Fin, Cooling. R. Chilton. 2,067,597; Jan. 12.
Fire extinguisher of the pressure-containing type. R. A. Denne. 2,067,829; Jan. 12.
Fishing line float. L. Albiser. 2,067,165; Jan. 12.
Flexible joint. J. W. B. Pearce. 2,067,284; Jan. 12.
Fluid heater. H. J. Kerr. 2,067,670; Jan. 12.
Fluid heater. L. Koolstra. 2,067,671; Jan. 12.
Fluid heater. L. Koolstra and F. X. Gilg. 2,067,672; Jan. 12.
Fluids, Apparatus for measuring flowing gaseous. C. S. Pinkerton. 2,067,645; Jan. 12.
Fluids, Apparatus for preheating. W. I. Sallee. 2,067,417; Jan. 12.
Folding table. R. A. Maves. 2,067,775; Jan. 12.
Footwear, Flexible. C. Casanova. 2,067,845; Jan. 12.
Forging machine, Automatic. H. F. Johnson. 2,067,270; Jan. 12.
Form, Shoe. W. J. De Witt. 2,067,381; Jan. 12.
Frame: *See*—
Heddle frame.
Fruit juice extractor. R. W. Walker. 2,067,555; Jan. 12.
Fuel, Antiknocking motor. J. M. Michel. 2,067,331; Jan. 12.
Fuel combustion. G. Dalén. 2,067,173; Jan. 12.
Furnace with helical hearth. P. Flajollet-Bracq. 2,067,823; Jan. 12.
Furnaces, Device for feeding coal. V. Stark. 2,067,583; Jan. 12.
Game apparatus. D. C. Rockola. 2,067,244–5; Jan. 12.
Garbage disinfecting device. L. Schneider and N. Modad. 2,067,547; Jan. 12.
Garment hanger. G. K. Edison. 2,067,833; Jan. 12.
Gas burner. L. H. Blood. 2,067,656; Jan. 12.
Gas control and feeding unit. H. J. Pardee. 2,067,335; Jan. 12.
Gas mixtures, Process and apparatus for separating. P. Schuftan. 2,067,349; Jan. 12.
Gases from ammonia and hydrogen sulphide, Purification of. H. Baehr. 2,067,311; Jan. 12.
Gauge: *See*—
Hydrostatic gauge.
Gauge for fluids in tanks. M. Skuret and J. Sekula. 2,067,795; Jan. 12.
Gearing. J. B. Cooper. 2,067,477; Jan. 12.
Gearing for spinning machines. H. Bard. 2,067,167; Jan. 12.
Generator: *See*—
Oscillation generator.
Germicidal composition and preparing the same. H. B. Kimerlin. 2,067,674; Jan. 12.
Glass, Reflecting. C. A. James. 2,067,701; Jan. 12
Glassware, Apparatus for decorating. E. M. Hommel. 2,067,447; Jan. 12.
Glider. C. J. Sohn and A. J. Davis. 2,067,423; Jan. 12.
Glove. I. Steinberger. 2,067,424; Jan. 12.
Golf club. W. L. Wettlaufer. 2,067,556; Jan. 12.
Grinding machine. J. Edgar. 2,067,178; Jan. 12.
Grinding machine and method. J. Edgar. 2,067,177; Jan. 12.
Guard, Railway brake bottom connecting rod. G. W Imgrund. 2,067,608; Jan. 12.
Guide for dressing shoes, Protector. J. M. Mayer. 2,067,855; Jan. 12.
Gun, Automatic. F. Herlach and T. Rakula. 2,067,322; Jan. 12.
Hair thinning device. D. Perlson. 2,067,619; Jan. 12.
Haloprene and product, Deodorization of polymerized. A. D. Macdonald. 2,067,854; Jan. 12.
Hand protector. S. N. Sager. 2,067,790–1; Jan. 12.
Hanger: *See*—
Garment hanger.
Hasp-type fastener. L. A. Bittorf. 2,067,255; Jan. 12
Hat. E. W. Bullard. 2,067,657; Jan. 12.
Hat and like headgear. S. Aki. 2,067,809; Jan. 12.
Hat manufacture and the products thereof. J. M. Mayleas. 2,067,776; Jan. 12.
Headlamp with lens mounted outside of housing, Doorless. H. C. Mead and C. A. Michel. 2,067,722; Jan. 12.
Heat engine. R. Lee. 2,067,453; Jan. 12.
Heat resisting implements. W. Hessenbruch. 2,067,569; Jan. 12.
Heater: *See*—
Fluid heater. Water heater.
Heater. C. E. Meyerhoefer. 2,067,575; Jan. 12.
Heater control, Fluid. N. W. Stirling. 2,067,864; Jan. 12.
Heddle frame. C. E. A. Lausberg. 2,067,402; Jan. 12.
Heels to shoes, Apparatus for attaching. W. A. Thum. 2,067,295; Jan. 12.
Hexyl catechol and producing it. L. P. Kyrides. 2,067,452; Jan. 12.
Hinge: *See*—
Concealed hinge.
Hinge. J. Bloom. 2,067,559; Jan. 12.
Hitch and braking device for trailers, Combined. T. H. Jacob. 2,067,451; Jan. 12.
Holder: *See*—
Electrode holder. Roll-holder.
Reel holder. Steel wool and soap holder
Holder for dental floss. R. W. Cammack. 2,067,692; Jan. 12.
Holding device. M. S. Landow. 2,067,716; Jan. 12.
Horseshoe. A. R. Swanstrom. 2,067,427; Jan. 12.
Hosiery. G. Gastrich. 2,067,486; Jan. 12.
Hosiery testing apparatus. C. L. Simon. 2,067,863; Jan. 12.
Hydrator. J. A. Depew. 2,067,830; Jan. 12.
Hydrocarbons and catalyst therefor, Decomposition of. F. Porter. 2,067,729; Jan. 12.
Hydrocarbons into lower hydrocarbons, Apparatus for converting higher boiling. C. P. Dubbs. 2,067,832; Jan. 12.
Hydrocarbons, Treatment of. C. H. Angell. 2,067,810; Jan. 12.
Hydrocarbons, Treatment of. V. Ipatieff. 2,067,764; Jan. 12.
Hydroextractor. A. E. Stockton. 2,067,800; Jan. 12.
Hydrolysis of isobutyl chloride. E. C. Britton, G. H. Coleman and G. V. Moore. 2,067,473; Jan. 12.
Hydrostatic gauge. P. Kollsman. 2,067,767; Jan. 12.
Ice cream manufacturing apparatus. A. C. Routh. 2,067,683; Jan. 12.
Ice delivering receptacle. A. Dick. 2,067,263; Jan. 12.
Ignition testing system. W. P. Brush. 2,067,256; Jan. 12.
Implement retainer, Wrist carried. E. L. Kost and G. Prendergast. 2,067,537; Jan. 12.
Inclinometer. V. E. Carbonara. 2,067,474; Jan. 12.
Infusion apparatus. L. M. Pouget. 2,067,787; Jan. 12.
Ingot feeder for type casting machines. P. D. Kendall 2,067,609; Jan. 12.

Insole for shoes, Corrective. G. E. Musebeck. 2,067,240; Jan. 12.
Internal-combustion engine. P. L'Orange. 2,067,274; Jan. 12.
Internal combustion engine. J. J. McCarthy. 2,067,496; Jan. 12.
Internal combustion engine. W. Riehm. 2,067,288; Jan. 12.
Internal combustion engine. I. D. Sattgast. 2,067,878; Jan. 12.
Internal combustion engine. M. Sitaf. 2,067,292; Jan. 12.
Internal combustion engine. V. F. Zahodiakin. 2,067,254; Jan. 12.
Iron or steel and Portland cement in a rotary furnace, Manufacture of. L. P. Basset. 2,067,373; Jan. 12.
Ironing machine structure. J. J. McCabe. 2,067,719; Jan. 12.
Joint: *See*—
Ball and socket joint. Railway expansion joint.
Double universal joint. Safety joint.
Expansion rail joint. Shimmed rail joint.
Flexible joint.
Joint for pipes, Rail and socket. F. Krefft. 2,067,768; Jan. 12.
Joint for power shafts, Flexible. J. W. B. Pearce. 2,067,285; Jan. 12.
Joint member and making same. J. E. Padgett. 2,067,283; Jan. 12.
Joint members, Making. J. E. Padgett. 2,067,282; Jan. 12.
Knitting machine. R. H. Lawson and W. L. Smith, Jr. 2,067,877; Jan. 12.
Knitting machine. L. Robaczynski. 2,067,733; Jan. 12.
Knitting machine, Circular rib. E. J. Towers. 2,067,805; Jan. 12.
Laminae construction for dynamoelectric machines. G. A. Griffin. 2,067,605; Jan. 12.
Lamp: *See*—
Electric lamp.
Lamp for multisignal switches, Pilot. E. T. Condon. 2,067,232; Jan. 12.
Laundry machine. J. B. Kirby. 2,067,572; Jan. 12.
Layers in bottles, Producing sealed crystal. F. Prochazka. 2,067,731; Jan. 12.
Lead and lead alloys, Treating. G. O. Smith. 2,067,507; Jan. 12.
Lease forming machine. S. J. Adams. 2,067,689; Jan. 12.
Leg, Artificial. A. T. Rowley. 2,067,651; Jan. 12.
Lens and making same. F. D. Kinney. 2,067,194; Jan. 12.
Lens mount. A. S. Howell. 2,067,189; Jan. 12.
Lens obturating device. J. F. Leventhal. 2,067,771; Jan. 12.
Lighting device, Sewing machine. R. E. vom Lehn. 2,067,868; Jan. 12.
Linings, Apparatus for erecting tunnel. M. I. Killmer. 2,067,711; Jan. 12.
Link, Fuse. C. E. Mosley and T. Birkenmaier. 2,067,577; Jan. 12.
Liquid coating composition. W. H. Woodford. 2,067,586; Jan. 12.
Liquid fuel burner. J. Jungers. 2,067,666; Jan. 12.
Liquid mixture containing oxygen derivatives of hydrocarbons and products thereof, Treating a. J. H. James. 2,067,532; Jan. 12.
Liquid treating means. R. A. Lux. 2,067,328; Jan. 12.
Liquids, Desiccating. F. W. Robison and G. D. Elmer. 2,067,205; Jan. 12.
Liquids, Purifying. C. H. M. Roberts and R. L. Belshe. 2,067,345; Jan. 12.
Lock: *See*— Safety lock.
Door lock.
Lock. C. K. Ernst. 2,067,383; Jan. 12.
Loom construction, Pile. J. Lowrie. 2,067,574; Jan. 12.
Lubricating device. H. R. Tear. 2,067,294; Jan. 12.
Lubricating device. A. H. Watson. 2,067,298; Jan. 12.
Lubricating means. J. L. Creveling. 2,067,260; Jan. 12.
Luminair. T. W. Rolph. 2,067,416; Jan. 12.
Machine for applying stamps and labels. J. A. Sanders. 2,067,462; Jan. 12.
Machine for hardening gear teeth. W. E. Sykes. 2,067,549; Jan. 12.
Machine for making wire elements. H. I. Danziger. 2,067,521; Jan. 12.
Machine for operating on counters. C. W. Bailey. 2,067,813; Jan. 12.
Machine for polishing, sanding, and the like. W. O. Arnold. 2,067,624; Jan. 12.
Magnesium and magnesium alloys, Purification and refinement of. A. Luschenowsky. 2,067,275; Jan. 12.
Manifolding. C. W. Brenn. 2,067,376; Jan. 12.
Marker, Highway. J. M. Hall. 2,067,698; Jan. 12.
Mask for the prevention and relief of allergic respiratory complaints. J. B. Biederman. 2,067,822; Jan. 12.
Mat. P. S. Schildknecht. 2,067,418; Jan. 12.
Match roll with holder. M. A. Bell. 2,067,820; Jan. 12.
Material and making same, Coated. E. H. Hough, Jr. 2,067,488; Jan. 12.
Material and making the same, Finishing. L. R. van Allen. 2,067,297; Jan. 12.
Material, Method of and apparatus for cold rolling strip. W. Trinks. 2,067,514; Jan. 12.
Materials with paper stock, Incorporating special. W. L. Campbell. 2,067,876; Jan. 12.
Measuring system for program circuit maintenance. H. S. Hamilton. 2,067,320; Jan. 12.
Mechanical movement. J. W. Vedder and C. E. Robinson. 2,067,360; Jan. 12.
Mercury switch relay. U. C. Hedin. 2,067,235; Jan. 12.
Metal building construction. W. C. Lea. 2,067,403; Jan. 12.
Metal, Coating. R. R. Tanner and J. S. Thompson. 2,067,214; Jan. 12.
Metal, Coating. J. S. Thompson and H. J. Lodeesen. 2,067,216; Jan. 12.
Metal cutting machine. W. E. Sykes. 2,067,551; Jan. 12.
Metal, Drawing. H. K. Ihrig. 2,067,530; Jan. 12.
Metal-drawing press, Hydraulic double-acting. W. Ernst. 2,067,265; Jan. 12.
Metal strip for and method of making spiral pipe. E. H. Taylor. 2,067,801; Jan. 12.
Metal with gas, Method and apparatus for treating molten. A. E. Hall. 2,067,394; Jan. 12.
Mill: *See*—
Rubber mixing mill.
Mill appliance, Rolling. J. A. Smitmans. 2,067,508; Jan. 12.
Mills, Tensioned cold rolling in reversible. E. B. Hudson. 2,067,192; Jan. 12.
Mining machine. T. E. Pray. 2,067,339; Jan. 12.
Mirror, Toilet. A. Dorfman. 2,067,602; Jan. 12.
Mixer: *See*—
Concrete mixer.
Mixing machine. D. McK. Hepburn. 2,067,236; Jan. 12.
Monohalides, Treatment of unsaturated. H. P. A. Groll and G. Hearne. 2,067,392; Jan. 12.
Mop, Floor. R. C. Teare. 2,067,687; Jan. 12.
Motor: *See*—
Air motor
Synchronous electron motor.
Mount and making the same, Fastener. R. T. Allis. 2,067,371; Jan. 12.
Mounting arrangement for electrical apparatus. R. N. Saxby. 2,067,246; Jan. 12.
Mounting for eyeglasses and spectacles. J. F. Keller. 2,067,272; Jan. 12.
Mounting, Luminous tube. F. Bell. 2,067,818; Jan. 12.
Mounting, Ophthalmic. W. S. Searles. 2,067,419; Jan. 12.
Mucking machine. W. A. Whitmire. 2,067,879; Jan. 12.
Multiple piston engine. C. D. Town. 2,067,217; Jan. 12.
Needle, Knitting. W. P. Maiden. 2,067,197; Jan. 12.
Needle-threader. D. H. Chason. 2,067,476; Jan. 12.
Nitrogen bases, Separation and purification of aromatic and non-aromatic. J. R. Bailey. 2,067,704; Jan. 12.
Nonrefillable container. B. W. Dennis. 2,067,600; Jan. 12.
Nozzle construction. C. W. Ginter. 2,067,445; Jan. 12.
Nut, Coupling. F. R. Long. 2,067,773; Jan. 12.
Nut tapping machine. H. Goldberg. 2,067,267; Jan. 12.
Nuts, Apparatus for and method of opening. S. B. Field. 2,067,566; Jan. 12.
Oil burner. N. W. Martindale. 2,067,718; Jan. 12.
Oil cooler. C. L. McCuen. 2,067,721; Jan. 12.
Oil, Decolorizing viscous lubricating. C. F. Teara. 2,067,802; Jan. 12.
Oil, Dewaxing hydrocarbon. R. E. Manley. 2,067,198; Jan. 12.
Oil film bearing. E. B. Hudson. 2,067,191; Jan. 12.
Oil fogger, Atomizing type. M. G. Markie and L. W. Tuttle. 2,067,454; Jan. 12.
Oil, Producing lubricating. R. C. Osterstrom. 2,067,334; Jan. 12.
Oil pump, Kitchen range burner. G. Schaumann, Jr. 2,067,348; Jan. 12.
Oil reclaimer. F. A. Headson. 2,067,396; Jan. 12.
Oil, Treating hydrocarbon. Le R. G. Story. 2,067,865; Jan. 12.
Oil, Treatment of hydrocarbon. W. W. Cary and J. T. Ward. 2,067,847; Jan. 12.
Oil, Treatment of hydrocarbon. R. H. Price and R. V. Shankland. 2,067,730; Jan. 12.
Oil well pump. O. F. Matthews and S. I. Hill. 2,067,774; Jan. 12.
Oils, Conversion of hydrocarbon. E. F. Nelson. 2,067,782; Jan. 12.
Oils, Dewaxing hydrocarbon. L. D. Jones. 2,067,193; Jan. 12.
Oils, Extraction of vitaminiferous. F. W. Nitardy and W. S. Jones. 2,067,279; Jan. 12.
Oils, Flashing mineral. M. R. Fenske and W. B. McCluer. 2,067,627; Jan. 12.
Oils, Treatment of hydrocarbon. H. V. Atwell. 2,067,869; Jan. 12.
Olefine derivatives, Synthesis of. R. Z. Moravec. 2,067,616; Jan. 12.
Ore materials, Treating complex lead bearing. T. A. Mitchell. 2,067,778; Jan. 12.
Ores containing nickel, Treatment of iron. E. H. Brown and S. J. Broderick. 2,067,874; Jan. 12.
Organic compounds, Polymerizing. O. Röhm. 2,067,580; Jan. 12.
Ornament. G. A. Greene. 2,067,527–8; Jan. 12.
Oscillation generator, Ultra short wave. L. H. Paddle. 2,067,679; Jan. 12.

Oscillator, Synchronized dynatron. H. A. Snow. 2,067,353; Jan. 12.
Oscillographic apparatus. D. Crampton. 2,067,696; Jan. 12.
Package. H. J. Elseman. 2,067,660; Jan. 12.
Paper and making same, Parchment. J. A. Newman. 2,067,501; Jan. 12.
Paper, Shelf. F. A. Conrad. 2,067,233; Jan. 12.
Pencil. H. Maucher. 2,067,455; Jan. 12.
Pencil. M. A. Thomas. 2,067,466; Jan. 12.
Peroxide, Manufacture of hydrogen. I. E. Weber and V. W. Slater. 2,067,364; Jan 12
Photographic contrasts, Method and material for obtaining. R. J. H. Alink, K. H. Klaassens, and H. J. Houtman. 2,067,690; Jan. 12.
Photographic recording and sound reproducing system. F. H. Owens. 2,067,784; Jan. 12.
Photometer, Photo-electric. H. F. Tönnies. 2,067,843; Jan. 12.
Piano, Upright. H. R. Heller. 2,067,880; Jan. 12.
Pipe coupling. J. W. Wallis. 2,067,428; Jan. 12.
Pipe holder and puller. W. E. Andrews. 2,067,372; Jan. 12.
Pipe threading machine. W. L. Benninghoff. 2,067,626; Jan. 12.
Piston. A. Debelack. 2,067,314; Jan. 12.
Piston. A. L. Nelson. 2,067,278; Jan. 12.
Piston pin. K. E. Kylén. 2,067,714; Jan. 12.
Pitch, Melting. H. E. Imes. 2,067,450; Jan. 12.
Plant for locomotive boilers, Feed-water purifier. F. Wagner. 2,067,305; Jan. 12.
Plastic and dry compositions, Method and apparatus for the pressing of. R. Lassman. 2,067,401; Jan. 12.
Plastics, Synthetic. W. P. ter Horst. 2,067,465; Jan. 12.
Pliers. R. Myers. 2,067,578; Jan. 12.
Plough for laying submarine cables. C. S. Lawton and M. H. Bloomer. 2,067,717; Jan. 12.
Plug bushing and shield, Spark. J. J. Mascuch. 2,067,614; Jan. 12.
Pneumatic apparatus for separating granular substances. A. B. Helbig. 2,067,321; Jan. 12.
Polyamines and making the same. P. L. Salzberg. 2,067,291; Jan. 12.
Polymers, Pigmented granular. W. E. Gordon and W. W. Heckert. 2,067,234; Jan. 12.
Portable draftsman's case. M. W. Wogaman. 2,067,309; Jan. 12.
Power control system and apparatus, Time delay. R. J. Plaisted. 2,067,413; Jan. 12.
Power or movement transmitting mechanism. W. E. Barber and H. A. Watts. 2,067,815; Jan. 12.
Power transmission, Automatic speed change. G. Roudanez. 2,067,650; Jan. 12.
Power transmission mechanism. P. S. Morgan. 2,067,457; Jan. 12.
Press: *See*—
Metal-drawing press.
Pressure device. W. H. Nutt. 2,067,280; Jan. 12.
Pressure reducing apparatus. P. Spence. 2,067,510; Jan. 12.
Pressure variations, Device for measuring. M. Demontvignier and A. Labarthe. 2,067,262; Jan. 12.
Primer valve. V. W. Strode. 2,067,425; Jan. 12.
Printing machine. M. J. Hoffman. 2,067,637; Jan. 12.
Printing plate thinning and shaving machine. W. F. Huck. 2,061,190; Jan. 12.
Projector, Picture. J. Erwood. 2,067,835; Jan. 12.
Propeller. G. C. Lembas. 2,067,770; Jan. 12.
Protector: *See*—
Hand protector. Radiator protector.
Protector for watch movements, Roller jewel. F. Cormier. 2,067,478; Jan. 12.
Pull box. R. H. Olley and C. H. Bissell. 2,067,644; Jan. 12.
Pulp, Manufacture of. J. J. de la Roza, Sr. 2,067,480; Jan. 12.
Pump: *See*—
Oil pump. Tire pump.
Oil well pump.
Pump. J. O. McMillan. 2,067,539; Jan. 12.
Pump rod coupling. W. H. McGuffin. 2,067,329; Jan. 12.
Racket stringing machine. J. E. Darby. 2,067,563; Jan. 12.
Rackets, Apparatus for stringing tennis. R. A. Sterns. 2,067,512; Jan. 12.
Radiator protector. V. L. Lett. 2,067,639; Jan. 12.
Radio apparatus. E. H. Hand. 2,067,395; Jan. 12.
Radio communication. H. H. Beverage. 2,067,432; Jan. 12.
Radio direction finder. W. S. Webster. 2,067,516; Jan. 12.
Radio printer. W. G. H. Finch. 2,067,181; Jan. 12.
Rail graph producing device. W. E. Gadd and H. L. Lansing. 2,067,387; Jan. 12.
Rail testing apparatus. H. C. Thorne. 2,067,804; Jan. 12.
Rails, Rolling. A. P. Spooner. 2,067,293; Jan. 12.
Railway expansion joint. J. E. Conley. 2,067,695; Jan. 12.
Range, Cooking. B. Valjean. 2,067,296; Jan. 12.
Razor, Safety. G. L. Robertson. 2,067,789; Jan. 12.
Receptacle: *See*—
Ice delivering receptacle.
Receptacle. N. P. Courtney. 2,067,590; Jan. 12.
Receptacle. J. Holan. 2,067,763; Jan. 12.
Receptacle, case, and the like. A. Anderson. 2,067,558; Jan. 12.
Recording and reproducing device. A. Rysick. 2,067,347; Jan. 12.
Records, Apparatus for multiplying. W. Ritzerfeld. 2,067,289; Jan. 12.
Records, Duplicating phonograph. C. E. Pollard and A. G. Russell. 2,067,502; Jan. 12.
Reel holder, Barbwire. W. Juranic. 2,067,765; Jan. 12.
Refrigerating apparatus. C. W. Albertson. 2,067,431; Jan. 12.
Refrigerating apparatus. J. R. Hornaday. 2,067,638; Jan. 12.
Refrigerating apparatus. S. M. Schweller. 2,067,208; Jan. 12.
Refrigerating apparatus and method. C. L. Jones and H. S. McIlvain. 2,067,324–5; Jan. 12.
Refrigeration. K. V. Nesselmann. 2,067,678; Jan. 12.
Regenerative receiver arrangement. E. Klotz. 2,067,536; Jan. 12.
Register, Autographic. F. C. Diesbach. 2,067,438; Jan. 12.
Regulating valve. S. J. Rovinsky. 2,067,346; Jan. 12.
Regulator: *See*—
Automatic damper regulator.
Regulator system. E. R. Morton. 2,067,500; Jan. 12.
Relief valve. W. T. Birch. 2,067,229; Jan. 12.
Resin and producing. Synthetic. E. G. Peterson 2,067,859; Jan. 12.
Resin and producing, Synthetic. A. L. Rummelsburg. 2,067,862; Jan. 12.
Respiration, Device for promoting. H. Hans.. 2,067,268; Jan. 12.
Rhodium, Method of and electrolyte for depositing. C. W. Keitel. 2,067,534; Jan. 12.
Rinser. C. Morrison. 2,067,780; Jan. 12.
Rinser and sterilizer, Container. P. K. Girton. 2,067,838; Jan. 12.
Rod: *See*—
Welding rod.
Rod adjuster, Sucker. A. A. Hunt and L. H. Adair. 2,067,700; Jan. 12.
Rod connection, Lift. G. P. Gavin. 2,067,759; Jan. 12.
Roll for writing machines, Platen. J. Q. Sherman and A. W. Metzner. 2,067,211; Jan. 12.
Roll-holder. E. du P. Meyrowitz. 2,067,498; Jan. 12.
Rotary motor. G. Plato. 2,067,728; Jan. 12.
Rotor for distributors or the like. F. R. Good. 2,067,391; Jan. 12.
Rubber-like masses, Manufacture of artificial. E. Tschunkur and W. Bock. 2,067,304; Jan. 12.
Rubber mixing mill. G. Nichols. 2,067,458; Jan. 12.
Rubber solution. I. Williams and C. C. Smith. 2,067,299; Jan. 12.
Safety device for hydraulic brakes. L. Fontaine, Jr. 2,067,697; Jan. 12.
Safety device for refrigeration systems. N. B. Finney. 2,067,440; Jan. 12.
Safety joint. E. Burns and H. P. Wickersham. 2,067,377; Jan. 12.
Safety lock. W. Haag. 2,067,319; Jan. 12.
Safety support. C. A. Zweibel. 2,067,588; Jan. 12.
Salts and products thereof, Making soluble. F. Zimmermann. 2,067,748; Jan. 12.
Sampling machine. E. C. Carey. 2,067,693; Jan. 12.
Saw cutter. T. J. Clark. 2,067,259; Jan. 12.
Scale, Weighing. M. A. Weckerly. 2,067,741; Jan. 12.
Scouring apparatus. F. B. Lee. 2,067,769; Jan. 12.
Scraper, Road. F. H. and F. S. Beach. 2,067,374; Jan. 12.
Scum collector. F. E. Mlick. 2,067,277; Jan. 12.
Seal for compressors and the like, Rotary. G. Nanos and R. R. Blythe. 2,067,540; Jan. 12.
Seat: *See*—
Car seat. Cushioned seat.
Seat and mounting, Gunner's. C. G. Trimbach. 2,067,585; Jan. 12.
Securing means for tool handles. R. E. Beegle. 2,067,751; Jan. 12.
Selecting mechanism. B. L. Green. 2,067,186; Jan. 12.
Self-leveling chair. A. B. Raymond. 2,067,203; Jan. 12.
Separable fastener. L. Roseman. 2,067,737; Jan. 12.
Separator: *See*—
Centrifugal separator. Straw separator.
Separator. O. B. Jacobsen. 2,067,710; Jan. 12.
Separator and process of separation, Magnetic. R. H. Stearns. 2,067,584; Jan. 12.
Sewing machine. F. Ricks. 2,067,649; Jan. 12.
Sewing machine for edging fabrics. A. S. Riviere. 2,067,680; Jan. 12.
Sharpener, Saw. A. C. Elder. 2,067,179; Jan. 12.
Sharpening device. T. E. Brown. 2,067,594; Jan. 12.
Shear, Flying. J. A. Smitmans. 2,067,509; Jan. 12.
Sheet feeding machine. L. H. Cross. 2,067,380; Jan. 12.
Sheet material building construction. J. J. Whelan. 2,067,252; Jan. 12.
Sheet stripping and slitting means for duplicating machines. A. Marchev. 2,067,404; Jan. 12.
Sheets for linotype machines and the like, Preparing control. B. L. Green. 2,067,185; Jan. 12.
Shimmed rail joint. C. W. Breed and G. R. Burkhardt. 2,067,375; Jan. 12.

Shipping box brace. A. D. Peister. 2,067,727; Jan. 12.
Shock absorber. L. D. Foley. 2,067,482; Jan. 12.
Shock absorber, Inertia controlled hydraulic. W. C. Muller. 2,067,409; Jan. 12.
Shock absorbing mechanism. J. E. Padgett. 2,067,281; Jan. 12.
Shoe stiffener material, Manufacture of. W. M. Mayo and S. P. Lovell. 2,067,239; Jan. 12.
Shut-off for gas ranges and the like, Time automatic. H. Gikow. 2,067,266; Jan. 12.
Siccative coats to metal, Bonding. R. R. Tanner and J. S. Thompson. 2,067,215; Jan. 12.
Signal lighting apparatus. H. G. Witmer and C. M. Hines. 2,067,653; Jan. 12.
Skate, Roller. L. G. Knapp. 2,067,712; Jan. 12.
Slab pusher. M. P. Sieger. 2,067,505; Jan. 12.
Slag blocks, Forming. W. C. Coryell. 2,067,313; Jan. 12.
Slag, Treating. W. C. Coryell. 2,067,312; Jan. 12.
Soap dispenser. W. J. Dobkin. 2,067,601; Jan. 12.
Socket wrench. H. J. Woock. 2,067,370; Jan. 12.
Sodium metasilicate, Producing crystallized anhydrous. C. L. Baker. 2,067,227; Jan. 12.
Spark plug cover. H. L. Johnson. 2,067,533; Jan. 12.
Spring: *See*—
Vehicle spring.
Stabilizer. J. D. Madden. 2,067,640; Jan. 12.
Stand: *See*—
Telephone stand.
Staple. R. C. Tamminello. 2,067,359; Jan. 12.
Star construction. J. G. Neidinger. 2,067,241; Jan. 12.
Starter control for internal combustion engines. M. H. Elkin. 2,067,180; Jan. 12.
Starting equipment for Diesel engines. F. G. Hudson and L. A. Smith. 2,067,449; Jan. 12.
Steam boiler. H. J. Kerr and I. L. Langvand. 2,067,669; Jan. 12.
Steamer and presser, Garment. G. T. Oberwetter. 2,067,858; Jan. 12.
Steel, Apparatus for heat-treating. C. J. Coberly. 2,067,436; Jan. 12.
Steel wool and soap holder. E. Kleinman. 2,067,535; Jan. 12.
Stencil cutting machine. W. C. Marsh. 2,067,702; Jan. 12.
Step for ladders, Safety. J. T. Hennessy. 2,067,188; Jan. 12.
Stick, Fertilizing. L. C. Antrim. 2,067,589; Jan. 12.
Sticker, Sweat band. C. N. Clark. 2,067,231; Jan. 12.
Stone, Process of and machine for sawing. W. McKenzie. 2,067,857; Jan. 12.
Stone sawing machine. W. McKenzie. 2,067,856; Jan. 12.
Stove. J. H. Nunn, Jr. 2,067,783; Jan. 12.
Stove, Liquid fuel. G. E. Pickup. 2,067,412; Jan. 12.
Strainer for percolators. O. M. Anderson. 2,067,470; Jan. 12.
Strapping tool. H. W. Waldorf. 2,067,806; Jan. 12.
Straw separator. S. Severson. 2,067,422; Jan. 12.
Stretcher, Shoe. P. W. Hornaday. 2,067,398; Jan. 12.
Stripping machine. S. S. Millen. 2,067,642; Jan. 12.
Sugar juices, Purification of. G. E. G. von Stietz. 2,067,362; Jan. 12.
Suit, Union. J. W. Blackwell. 2,067,870; Jan. 12.
Sulphur compound and making the same, Organic. J. Delson. 2,067,261; Jan. 12.
Sulphur, Preparation of wettable. A. H. Henninger. 2,067,397; Jan. 12.
Supply replenishing means for roving frames and the like. A. L. Taylor. 2,067,250; Jan. 12.
Support: *See*—
Article support. Detachable mattress support.
Automobile lunch support. Brake gear support. Safety support.
Supporter, Arch. V. R. Casey and G. A. Larsen. 2,067,475; Jan. 12.
Supporting means, Safety. C. A. Zweibel. 2,067,587; Jan. 12.
Suspenders. A. R. Price. 2,067,503; Jan. 12.
Switch: *See*—
Electric switch.
Switch. D. Taylor. 2,067,552; Jan. 12.
Synchronous electron motor. A. B. Du Mont. 2,067,382; Jan. 12.
Table: *See*—
Card table. Folding table.
Telephone pay station, Dial. G. A. Long. 2,067,852; Jan. 12.
Telephone stand. E. D. Hirsch. 2,067,323; Jan. 12.
Telephone system. W. W. Carpenter. 2,067,518; Jan. 12.
Tension controlling means. H. L. Dyer, Jr. 2,067,755; Jan. 12.
Tenter machine. J. H. Williams. 2,067,369; Jan. 12.
Testing device for well equipment. H. W. Millmine. 2,067,499; Jan. 12.
Textile materials, Making sized. W. Whitehead. 2,067,220; Jan. 12.
Textile materials, Manufacture and treatment of. W. A. Dickie, A. McGill, and W. I. Taylor. 2,067,174; Jan. 12.
Textile materials, Manufacture of. W. I. Taylor. 2,067,251; Jan. 12.
Textile materials, Treatment and manufacture of. W. A. Dickie and W. I. Taylor. 2,067,175; Jan. 12.
Textile operation. W. Pool and E. L. Greenwood. 2,067,202; Jan. 12.
Thermionic cathode space current tube. W. J. Hitchcock. 2,067,607; Jan. 12.
Thermostat, Room. W. W. Williams. 2,067,745; Jan. 12.
Time actuated mechanism. A. R. Brassell. 2,067,472; Jan. 12.
Tire assembly, Pneumatic. J. B. Ricketts, Jr. 2,067,545; Jan. 12.
Tire, Pneumatic. C. Putnam. 2,067,788; Jan. 12.
Tire pressure indicator. W. L. Jones. 2,067,490; Jan. 12.
Tire pump. W. K. Thornton. 2,067,358; Jan. 12.
Tire retaining device. H. J. Horn. 2,067,448; Jan. 12.
Tobacco product and conditioning same. J. T. Power and K. R. Brown. 2,067,338; Jan. 12.
Tool: *See*—
Clutch aligning tool.
Tool. L. K. Soteros. 2,067,247; Jan. 12.
Tool for cutting threads. W. L. Benninghoff. 2,067,593; Jan. 12.
Tool including fluid operated feeding devices, Machine. E. J. Kingsbury. 2,067,491; Jan. 12.
Torch control apparatus. D. L. Smith. 2,067,212; Jan. 12.
Torpedo. A. Brandt. 2,067,824; Jan. 12.
Toy aeroplane. F. A. Christiansen. 2,067,258; Jan. 12.
Toy airplane. F. A. Christiansen. 2,067,828; Jan. 12.
Toy, Battery lighted locomotive. A. N. Smith. 2,067,352; Jan. 12.
Toy parachute. I. W. Jamieson. 2,067,571; Jan. 12.
Toy submarine. A. J. Middler. 2,067,201; Jan. 12.
Tractor shoes and similar articles, Making. H. F. Johnson and G. H. Stegkemper. 2,067,269; Jan. 12.
Transmission. C. H. Barton. 2,067,592; Jan. 12.
Transmission and operating the same, Hydraulic variable speed. E. Seibold. 2,067,793; Jan. 12.
Transmission, Automatic. E. E. Cotanch. 2,067,562; Jan. 12.
Transmission case for automobiles, Semi-automatic. F. Hnizdo and V. Obermajer. 2,067,848; Jan. 12.
Transmission, Hydraulic. E. Seibold. 2,067,209; Jan. 12.
Trap: *See*—
Burglar trap.
Traveler. P. C. Wentworth. 2,067,429; Jan. 12.
Tray separator construction, Freezing. C. Steenstrup. 2,067,799; Jan. 12.
Trimmer condenser. L. C. Johnson. 2,067,238; Jan. 12.
Truck, Railway. D. S. Barrows. 2,067,471; Jan. 12.
Truing apparatus for lapping machines. H. S. Indge. 2,067,531; Jan. 12.
Tube: *See*—
Electron discharge tube.
Thermionic cathode space current tube.
Tubes, Devices for gettering metal. J. E. Beggs. 2,067,817; Jan. 12.
Tubes, Method and apparatus for operating positive column discharge. W. O. Mitscherling. 2,067,576; Jan. 12.
Tubing head. A. J. and K. T. Penick. 2,067,785; Jan. 12.
Tubing, Veneered. T. W. Holf. 2,067,665; Jan. 12.
Tumbler, Laundry shake-out. E. D. Purkett. 2,067,543; Jan. 12.
Tuning device for radio sets. E. C. Booth. 2,067,871; Jan. 12.
Tunnel and constructing same, Membrane lined. P. A. Kinzie. 2,067,493; Jan. 12.
Turbine arrangement, Parallel flow. F. R. Ericson and A. D. Somes. 2,067,834; Jan. 12.
Turbine, Wind reaction. J. D. Penton. 2,067,542; Jan. 12.
Type and the like, Automatic means for setting. B. L. Green. 2,067,184; Jan. 12.
Type in typesetting machines, Automatically setting. B. L. Green. 2,067,182; Jan. 12.
Typewriter, Justified lines. W. O. Bell. 2,067,821; Jan. 12.
Valuable products from hydrocarbons, Recovery of. G. Stern and W. Hoess. 2,067,511; Jan. 12.
Valve: *See*—
Primer valve. Relief valve.
Regulating valve.
Valve control apparatus. D. L. Smith. 2,067,622; Jan. 12.
Valve device. F. A. Kommer. 2,067,713; Jan. 12.
Valve for heating systems, Automatic. C. N. Flagg. 2,067,629; Jan. 12.
Valve of the screened grid type, Thermionic. W. R. Bullimore. 2,067,825; Jan. 12.
Valve operating mechanism and control for Diesel engines, Air chamber. B. Loeffler. 2,067,612; Jan. 12.
Valve system, Sanitary. W. A. Richardson. 2,067,204; Jan. 12.
Vehicle braking-wheel driving structure, Motor. C. Saucedde. 2,067,207; Jan. 12.
Vehicle, Multiwheel motor. P. T. Robin. 2,067,861; Jan. 12.
Vehicle, Road. E. J. Rocher. 2,067,546; Jan. 12.

Electrolytes for plating rhodium and making the same. F. Zimmermann. 2,067,747; Jan. 12.
Electrolytic device. P. Robinson and J. L. Collins. 2,067,703; Jan. 12.
Electrolytic purification. R. E. Vivian. 2,067,361; Jan. 12.
Electromotor compressor. J. Bell. 2,067,819; Jan. 12.
Electron device. F. Michelssen. 2,067,330; Jan. 12.
Electron discharge device. R. A. Heising. 2,067,529; Jan. 12.
Electron discharge tube. F. Heblgans. 2,067,840; Jan. 12.
Elevator and latch construction. H. E. Grau. 2,067,663; Jan. 12.
Embroidering means for sewing machines. E. Grazak. 2,067,340; Jan. 12.
Engine: *See*—
Compression ignition engine. Internal combustion engine.
Heat engine. Multiple piston engine.
Engine. R. H. Beard. 2,067,171; Jan. 12.
Engine blower control. A. Fielden. 2,067,757; Jan. 12.
Engine cooling system. H. A. Flogaus. 2,067,758; Jan. 12.
Engine exhaust system. G. J. Wohanka. 2,067,253; Jan. 12.
Engraving machinery. W. Taylor. 2,067,867; Jan. 12.
Engraving, Photoelectric. W. C. Howey and B. W. Woodward. 2,067,489; Jan. 12.
Envelope. J. C. Stocks. 2,067,550; Jan. 12.
Ergot-derived product and obtaining it. E. H. Stuart. 2,067,866; Jan. 12.
Etching machine. R. R. Robertson. 2,067,290; Jan. 12.
Ethers and producing the same. T. W. Evans and E. F. Bullard. 2,067,385; Jan. 12.
Ethers of cellulose, Preparation of aralkyl. E. J. Lorand. 2,067,853; Jan. 12.
Evaporator structure, Flat type. R. H. Money and L. M. Crosley. 2,067,643; Jan. 12.
Expansion rail joint. H. S. Clarke. 2,067,598; Jan. 12.
Explosive. W. O. Snelling. 2,067,213; Jan. 12.
Extractor: *See*—
Fruit juice extractor.
Fabric and making the same, Knitted. F. M. Tanski. 2,067,739; Jan. 12.
Fabric, Making ornamented. A. Barnick. 2,067,816; Jan. 12.
Fan, Flexible blade. E. Newnham. 2,067,410; Jan. 12.
Fastener: *See*—
Hasp-type fastener. Separable fastener.
Fastener and post construction, Fence wire. A. E. Weber. 2,067,688; Jan. 12.
Fastener structure, Interlocking. D. Silberman. 2,067,734–5; Jan. 12.
Fastener structure, Slide-operative. D. Silberman. 2,067,736; Jan. 12.
Feeding apparatus. E. J. Kingsbury. 2,067,492; Jan. 12.
Feeding device. E. F. Terry. 2,067,357; Jan. 12.
Feeding mechanism for fibrous layers. S. L. Schwarz. 2,067,350; Jan. 12.
Figure, Ornamental molded. H. P. C. Keuls. 2,067,766; Jan. 12.
Filament and manufacture thereof, Lamp. R. M. Zabel. 2,067,746; Jan. 12.
Filaments, films, and textile fabrics, Treatment of. W. Whitehead. 2,067,219; Jan. 12.
Filaments for miniature incandescent lamps and articles, Making. W. J. Henry. 2,067,664; Jan. 12.
Filling machine. R. B. Bagby. 2,067,750; Jan. 12.
Films, Producing cellulosic. R. Etzkorn and E. Kneche. 2,067,522; Jan. 12.
Filter: *See*—
Continuous rotary filter.
Filter. C. H. Dooley. 2,067,439; Jan. 12.
Filter for loud speakers, Sound. E. Sperling. 2,067,582; Jan. 12.
Fin, Cooling. R. Chilton. 2,067,597; Jan. 12.
Fire extinguisher of the pressure-containing type. R. A. Denne. 2,067,829; Jan. 12.
Fishing line float. L. Albiser. 2,067,165; Jan. 12.
Flexible joint. J. W. B. Pearce. 2,067,284; Jan. 12.
Fluid heater. H. J. Kerr. 2,067,670; Jan. 12.
Fluid heater. L. Koolstra. 2,067,671; Jan. 12.
Fluid heater. L. Koolstra and F. X. Gilg. 2,067,672; Jan. 12.
Fluids, Apparatus for measuring flowing gaseous. C. S. Pinkerton. 2,067,645; Jan. 12.
Fluids, Apparatus for preheating. W. I. Sallee. 2,067,417; Jan. 12.
Folding table. R. A. Mayes. 2,067,775; Jan. 12.
Footwear, Flexible. C. Casanova. 2,067,845; Jan. 12.
Forging machine, Automatic. H. F. Johnson. 2,067,270; Jan. 12.
Form, Shoe. W. J. De Witt. 2,067,381; Jan. 12.
Frame: *See*—
Heddle frame.
Fruit juice extractor. R. W. Walker. 2,067,555; Jan. 12.
Fuel, Antiknocking motor. J. M. Michel. 2,067,331; Jan. 12.
Fuel combustion. G. Dalén. 2,067,173; Jan. 12.
Furnace with helical hearth. P. Flajollet-Bracq. 2,067,823; Jan. 12.
Furnaces, Device for feeding coal. V. Stark. 2,067,583; Jan. 12.
Game apparatus. D. C. Rockola. 2,067,244–5; Jan. 12.
Garbage disinfecting device. L. Schneider and N. Modad. 2,067,547; Jan. 12.
Garment hanger. G. K. Edison. 2,067,833; Jan. 12.
Gas burner. L. H. Blood. 2,067,656; Jan. 12.
Gas control and feeding unit. H. J. Pardee. 2,067,335; Jan. 12.
Gas mixtures, Process and apparatus for separating. P. Schuftan. 2,067,349; Jan. 12.
Gases from ammonia and hydrogen sulphide, Purification of. H. Baehr. 2,067,311; Jan. 12.
Gauge: *See*—
Hydrostatic gauge.
Gauge for fluids in tanks. M. Skuret and J. Sekula. 2,067,795; Jan. 12.
Gearing. J. B. Cooper. 2,067,477; Jan. 12.
Gearing for spinning machines. H. Bard. 2,067,167; Jan. 12.
Generator: *See*—
Oscillation generator.
Germicidal composition and preparing the same. H. B. Kimerlin. 2,067,674; Jan. 12.
Glass, Reflecting. C. A. James. 2,067,701; Jan. 12.
Glassware, Apparatus for decorating. E. M. Hommel. 2,067,447; Jan. 12.
Glider. C. J. Sohn and A. J. Davis. 2,067,423; Jan. 12.
Glove. I. Steinberger. 2,067,424; Jan. 12.
Golf club. W. L. Wettlaufer. 2,067,556; Jan. 12.
Grinding machine. J. Edgar. 2,067,178; Jan. 12.
Grinding machine and method. J. Edgar. 2,067,177; Jan. 12.
Guard, Railway brake bottom connecting rod. G. W. Imgrund. 2,067,608; Jan. 12.
Guide for dressing shoes, Protector. J. M. Mayer. 2,067,855; Jan. 12.
Gun, Automatic. F. Herlach and T. Rakola. 2,067,322; Jan. 12.
Hair thinning device. D. Perlson. 2,067,619; Jan. 12.
Haloprene and product, Deodorization of polymerized. A. D. Macdonald. 2,067,854; Jan. 12.
Hand protector. S. N. Sager. 2,067,790–1; Jan. 12.
Hanger: *See*—
Garment hanger.
Hasp-type fastener. L. A. Bittorf. 2,067,255; Jan. 12.
Hat. E. W. Bullard. 2,067,657; Jan. 12.
Hat and like headgear. S. Aki. 2,067,809; Jan. 12.
Hat manufacture and the products thereof. J. M. Mayleas. 2,067,776; Jan. 12.
Headlamp with lens mounted outside of housing, Doorless. H. C. Mead and C. A. Michel. 2,067,722; Jan. 12.
Heat engine. R. Lee. 2,067,453; Jan. 12.
Heat resisting implements. W. Hessenbruch. 2,067,569; Jan. 12.
Heater: *See*—
Fluid heater. Water heater.
Heater. C. E. Meyerhoefer. 2,067,575; Jan. 12.
Heater control, Fluid. N. W. Stirling. 2,067,864; Jan. 12.
Heddle frame. C. E. A. Lausberg. 2,067,402; Jan. 12.
Heels to shoes, Apparatus for attaching. W. A. Thum. 2,067,295; Jan. 12.
Hexyl catechol and producing it. L. P. Kyrides. 2,067,452; Jan. 12.
Hinge: *See*—
Concealed hinge.
Hinge. J. Bloom. 2,067,559; Jan. 12.
Hitch and braking device for trailers, Combined. T. H. Jacob. 2,067,451; Jan. 12.
Holder: *See*—
Electrode holder. Roll-holder.
Reel holder. Steel wool and soap holder
Holder for dental floss. R. W. Cammack. 2,067,692; Jan. 12.
Holding device. M. S. Landow. 2,067,716; Jan. 12.
Horseshoe. A. R. Swanstrom. 2,067,427; Jan. 12.
Hosiery. G. Gastrich. 2,067,486; Jan. 12.
Hosiery testing apparatus. C. L. Simon. 2,067,863; Jan. 12.
Hydrator. J. A. Depew. 2,067,830; Jan. 12.
Hydrocarbons and catalyst therefor, Decomposition of. F. Porter. 2,067,729; Jan. 12.
Hydrocarbons into lower hydrocarbons, Apparatus for converting higher boiling. C. P. Dubbs. 2,067,832; Jan. 12.
Hydrocarbons, Treatment of. C. H. Angell. 2,067,810; Jan. 12.
Hydrocarbons, Treatment of. V. Ipatieff. 2,067,764; Jan. 12.
Hydroextractor. A. E. Stockton. 2,067,800; Jan. 12.
Hydrolysis of isobutyl chloride. E. C. Britton, G. H. Coleman and G. V. Moore. 2,067,473; Jan. 12.
Hydrostatic gauge. P. Kollsman. 2,067,767; Jan. 12.
Ice cream manufacturing apparatus. A. C. Routh. 2,067,683; Jan. 12.
Ice delivering receptacle. A. Dick. 2,067,263; Jan. 12.
Ignition testing system. W. P. Brush. 2,067,256; Jan. 12.
Implement retainer, Wrist carried. E. L. Kost and G. Prendergast. 2,067,537; Jan. 12.
Inclinometer. V. E. Carbonara. 2,067,474; Jan. 12.
Infusion apparatus. L. M. Pouget. 2,067,787; Jan. 12.
Ingot feeder for type casting machines. P. D. Kendall 2,067,609; Jan. 12.

Insole for shoes, Corrective. G. E. Musebeck. 2,067,240; Jan. 12.
Internal-combustion engine. P. L'Orange. 2,067,274; Jan. 12.
Internal combustion engine. J. J. McCarthy. 2,067,496; Jan. 12.
Internal combustion engine. W. Riehm. 2,067,288; Jan. 12.
Internal combustion engine. I. D. Sattgast. 2,067,878; Jan. 12.
Internal combustion engine. M. Sitaf. 2,067,292; Jan. 12.
Internal combustion engine. V. F. Zahodiakin. 2,067,254; Jan. 12.
Iron or steel and Portland cement in a rotary furnace, Manufacture of. L. P. Basset. 2,067,373; Jan. 12.
Ironing machine structure. J. J. McCabe. 2,067,719; Jan. 12.
Joint: *See*—
Ball and socket joint. Railway expansion joint.
Double universal joint. Safety joint.
Expansion rail joint. Shimmed rail joint.
Flexible joint.
Joint for pipes, Rail and socket. F. Krefft. 2,067,768; Jan. 12.
Joint for power shafts, Flexible. J. W. B. Pearce. 2,067,285; Jan. 12.
Joint member and making same. J. E. Padgett. 2,067,283; Jan. 12.
Joint members, Making. J. E. Padgett. 2,067,282; Jan. 12.
Knitting machine. R. H. Lawson and W. L. Smith, Jr. 2,067,877; Jan. 12.
Knitting machine. L. Robaczynski. 2,067,733; Jan. 12.
Knitting machine, Circular rib. E. J. Towers. 2,067,805; Jan. 12.
Laminne construction for dynamoelectric machines. G. A. Griffin. 2,067,605; Jan. 12.
Lamp: *See*—
Electric lamp.
Lamp for multisignal switches, Pilot. E. T. Condon. 2,067,232; Jan. 12.
Laundry machine. J. B. Kirby. 2,067,572; Jan. 12.
Layers in bottles, Producing sealed crystal. F. Prochazka. 2,067,731; Jan. 12.
Lead and lead alloys, Treating. G. O. Smith. 2,067,507; Jan. 12.
Lease forming machine. S. J. Adams. 2,067,689; Jan. 12.
Leg, Artificial. A. T. Rowley. 2,067,651; Jan. 12.
Lens and making same. F. D. Kinney. 2,067,194; Jan. 12.
Lens mount. A. S. Howell. 2,067,189; Jan. 12.
Lens obturating device. J. F. Leventhal. 2,067,771; Jan. 12.
Lighting device. Sewing machine. R. E. vom Lehn. 2,067,868; Jan. 12.
Linings, Apparatus for erecting tunnel. M. I. Killmer. 2,067,711; Jan. 12.
Link, Fuse. C. E. Mosley and T. Birkenmaier. 2,067,577; Jan. 12.
Liquid coating composition. W. H. Woodford. 2,067,586; Jan. 12.
Liquid fuel burner. J. Jungers. 2,067,666; Jan. 12.
Liquid mixture containing oxygen derivatives of hydrocarbons and products thereof, Treating a. J. H. James. 2,067,532; Jan. 12.
Liquid treating means. R. A. Lux. 2,067,328; Jan. 12.
Liquids, Desiccating. F. W. Robison and G. D. Elmer. 2,067,205; Jan. 12.
Liquids, Purifying. C. H. M. Roberts and R. L. Belshe. 2,067,345; Jan. 12.
Lock: *See*— Safety lock.
Door lock.
Lock. C. K. Ernst. 2,067,383; Jan. 12.
Loom construction, Pile. J. Lowrie. 2,067,574; Jan. 12.
Lubricating device. H. R. Tear. 2,067,294; Jan. 12.
Lubricating device. A. H. Watson. 2,067,298; Jan. 12.
Lubricating means. J. L. Creveling. 2,067,260; Jan. 12.
Luminair. T. W. Rolph. 2,067,416; Jan. 12.
Machine for applying stamps and labels. J. A. Sanders. 2,067,462; Jan. 12.
Machine for hardening gear teeth. W. E. Sykes. 2,067,549; Jan. 12.
Machine for making wire elements. H. I. Danziger. 2,067,521; Jan. 12.
Machine for operating on counters. C. W. Bailey. 2,067,813; Jan. 12.
Machine for polishing, sanding, and the like. W. O. Arnold. 2,067,624; Jan. 12.
Magnesium and magnesium alloys, Purification and refinement of. A. Luschenowsky. 2,067,275; Jan. 12.
Manifolding. C. W. Brenn. 2,067,376; Jan. 12.
Marker, Highway. J. M. Hall. 2,067,698; Jan. 12.
Mask for the prevention and relief of allergic respiratory complaints. J. B. Biederman. 2,067,822; Jan. 12.
Mat. P. S. Schildknecht. 2,067,418; Jan. 12.
Match roll with holder. M. A. Bell. 2,067,820; Jan. 12.
Material and making same, Coated. E. H. Hough, Jr. 2,067,488; Jan. 12.
Material and making the same, Finishing. L. R. van Allen. 2,067,297; Jan. 12.
Material, Method of and apparatus for cold rolling strip. W. Trinks. 2,067,514; Jan. 12.
Materials with paper stock, Incorporating special. W. L. Campbell. 2,067,876; Jan. 12.
Measuring system for program circuit maintenance. H. S. Hamilton. 2,067,320; Jan. 12.
Mechanical movement. J. W. Vedder and C. E. Robinson. 2,067,360; Jan. 12.
Mercury switch relay. U. C. Hedin. 2,067,235; Jan. 12.
Metal building construction. W. C. Lea. 2,067,403; Jan. 12.
Metal, Coating. R. R. Tanner and J. S. Thompson. 2,067,214; Jan. 12.
Metal, Coating. J. S. Thompson and H. J. Lodeesen. 2,067,216; Jan. 12.
Metal cutting machine. W. E. Sykes. 2,067,551; Jan. 12.
Metal, Drawing. H. K. Ihrig. 2,067,530; Jan. 12.
Metal-drawing press, Hydraulic double-acting. W. Ernst. 2,067,265; Jan. 12.
Metal strip for and method of making spiral pipe. E. H. Taylor. 2,067,801; Jan. 12.
Metal with gas, Method and apparatus for treating molten. A. E. Hall. 2,067,394; Jan. 12.
Mill: *See*—
Rubber mixing mill.
Mill appliance, Rolling. J. A. Smitmans. 2,067,508; Jan. 12.
Mills, Tensioned cold rolling in reversible. E. B. Hudson 2,067,192; Jan. 12.
Mining machine. T. E. Pray. 2,067,339; Jan. 12.
Mirror, Toilet. A. Dorfman. 2,067,602; Jan. 12.
Mixer. *See*—
Concrete mixer.
Mixing machine. D. McK. Hepburn. 2,067,236; Jan. 12.
Monohalides, Treatment of unsaturated. H. P. A. Groll and G. Hearne. 2,067,392; Jan. 12.
Mop, Floor. R. C. Teare. 2,067,687; Jan. 12.
Motor: *See*—
Air motor
Synchronous electron motor.
Mount and making the same, Fastener. R. T. Allis. 2,067,371; Jan. 12.
Mounting arrangement for electrical apparatus. R. N. Saxby. 2,067,246; Jan. 12.
Mounting for eyeglasses and spectacles. J. F. Keller. 2,067,272; Jan. 12.
Mounting, Luminous tube. F. Bell. 2,067,818; Jan. 12.
Mounting, Ophthalmic. W. S. Searles. 2,067,419; Jan. 12.
Mucking machine. W. A. Whitmire. 2,067,879; Jan. 12.
Multiple piston engine. C. D. Town. 2,067,217; Jan. 12.
Needle, Knitting. W. P. Maiden. 2,067,197; Jan. 12.
Needle-threader. D. H. Chason. 2,067,476; Jan. 12.
Nitrogen bases, Separation and purification of aromatic and non-aromatic. J. R. Bailey. 2,067,704; Jan. 12.
Nonrefillable container. B. W. Dennis. 2,067,600; Jan. 12.
Nozzle construction. C. W. Ginter. 2,067,445; Jan. 12.
Nut, Coupling. F. R. Long. 2,067,773; Jan. 12.
Nut tapping machine. H. Goldberg. 2,067,267; Jan. 12.
Nuts, Apparatus for and method of opening. S. B. Field. 2,067,566; Jan. 12.
Oil burner. N. W. Martindale. 2,067,718; Jan. 12.
Oil cooler. C. L. McCuen. 2,067,721; Jan. 12.
Oil, Decolorizing viscous lubricating. C. F. Tears. 2,067,802; Jan. 12.
Oil, Dewaxing hydrocarbon. R. E. Manley. 2,067,198; Jan. 12.
Oil film bearing. E. B. Hudson. 2,067,191; Jan. 12.
Oil fogger, Atomizing type. M. G. Mærkle and L. W. Tuttle. 2,067,454; Jan. 12.
Oil, Producing lubricating. R. C. Osterstrom. 2,067,334; Jan. 12.
Oil pump, Kitchen range burner. G. Schaumann, Jr. 2,067,348; Jan. 12.
Oil reclaimer. F. A. Headson. 2,067,396; Jan. 12.
Oil, Treating hydrocarbon. Le R. G. Story. 2,067,865; Jan. 12.
Oil, Treatment of hydrocarbon. W. W. Cary and J. T. Ward. 2,067,847; Jan. 12.
Oil, Treatment of hydrocarbon. R. H. Price and R. V. Shankland. 2,067,730; Jan. 12.
Oil well pump. O. F. Matthews and S. I. Hill. 2,067,774; Jan. 12.
Oils, Conversion of hydrocarbon. E. F. Nelson. 2,067,782; Jan. 12.
Oils, Dewaxing hydrocarbon. L. D. Jones. 2,067,193; Jan. 12.
Oils, Extraction of vitaminiferous. F. W. Nitardy and W. S. Jones. 2,067,279; Jan. 12.
Oils, Flashing mineral. M. R. Fenske and W. B. McCluer. 2,067,627; Jan. 12.
Oils, Treatment of hydrocarbon. H. V. Atwell. 2,067,869; Jan. 12.
Olefine derivatives, Synthesis of. R. Z. Moravec. 2,067,616; Jan. 12.
Ore materials, Treating complex lead bearing. T. A. Mitchell. 2,067,778; Jan. 12.
Ores containing nickel, Treatment of iron. E. H. Brown and S. J. Broderick. 2,067,874; Jan. 12.
Organic compounds, Polymerizing. O. Röhm. 2,067,580; Jan. 12.
Ornament. G. A. Greene. 2,067,527–8; Jan. 12.
Oscillation generator, Ultra short wave. L. H. Paddle. 2,067,679; Jan. 12.

Oscillator, Synchronized dynatron. H. A. Snow. 2,067,353; Jan. 12.
Oscillographic apparatus. D. Crampton. 2,067,696; Jan. 12.
Package. H. J. Elseman. 2,067,660; Jan. 12.
Paper and making same, Parchment. J. A. Newman. 2,067,501; Jan. 12.
Paper, Shelf. F. A. Conrad. 2,067,233; Jan. 12.
Pencil. H. Maucher. 2,067,455; Jan. 12.
Pencil. M. A. Thomas. 2,067,466; Jan. 12.
Peroxide. Manufacture of hydrogen. I. E. Weber and V. W. Slater. 2,067,364; Jan. 12.
Photographic contrasts, Method and material for obtaining. R. J. H. Alink, K. H. Klaassens, and H. J. Houtman. 2,067,690; Jan. 12.
Photographic recording and sound reproducing system. F. H. Owens. 2,067,784; Jan. 12.
Photometer, Photo-electric. H. F. Tönnies. 2,067,843; Jan. 12.
Piano, Upright. H. R. Heller. 2,067,880; Jan. 12.
Pipe coupling. J. W. Wallis. 2,067,428; Jan. 12.
Pipe holder and puller. W. E. Andrews. 2,067,372; Jan. 12.
Pipe threading machine. W. L. Benninghoff. 2,067,626; Jan. 12.
Piston. A. Debelack. 2,067,314; Jan. 12.
Piston. A. L. Nelson. 2,067,278; Jan. 12.
Piston pin. K. E. Kylén. 2,067,714; Jan. 12.
Pitch, Melting. H. E. Imes. 2,067,450; Jan. 12.
Plant for locomotive boilers, Feed-water purifier. F. Wagner. 2,067,305; Jan. 12.
Plastic and dry compositions, Method and apparatus for the pressing of. R. Lassman. 2,067,401; Jan. 12.
Plastics, Synthetic. W. P. ter Horst. 2,067,465; Jan. 12.
Pliers. R. Myers. 2,067,578; Jan. 12.
Plough for laying submarine cables. C. S. Lawton and M. H. Bloomer. 2,067,717; Jan. 12.
Plug bushing and shield, Spark. J. J. Mascuch. 2,067,614; Jan. 12.
Pneumatic apparatus for separating granular substances. A. B. Helbig. 2,067,321; Jan. 12.
Polyamines and making the same. P. L. Salzberg. 2,067,291; Jan. 12.
Polymers, Pigmented granular. W. E. Gordon and W. W. Heckert. 2,067,234; Jan. 12.
Portable draftsman's case. M. W. Wogaman. 2,067,309; Jan. 12.
Power control system and apparatus, Time delay. R. J. Plaisted. 2,067,413; Jan. 12.
Power or movement transmitting mechanism. W. E. Barber and H. A. Watts. 2,067,815; Jan. 12.
Power transmission, Automatic speed change. G. Roudanez. 2,067,650; Jan. 12.
Power transmission mechanism. P. S. Morgan. 2,067,457; Jan. 12.
Press: *See*—
Metal-drawing press.
Pressure device. W. H. Nutt. 2,067,280; Jan. 12.
Pressure reducing apparatus. P. Spence. 2,067,510; Jan. 12.
Pressure variations, Device for measuring. M. Demontvignier and A. Labarthe. 2,067,262; Jan. 12.
Primer valve. V. W. Strode. 2,067,425; Jan. 12.
Printing machine. M. J. Hoffman. 2,067,637; Jan. 12.
Printing plate thinning and shaving machine. W. F. Huck. 2,061,190; Jan. 12.
Projector, Picture. J. Erwood. 2,067,835; Jan. 12.
Propeller. G. C. Lembas. 2,067,770; Jan. 12.
Protector: *See*—
Hand protector. Radiator protector.
Protector for watch movements, Roller jewel. F. Cormier. 2,067,478; Jan. 12.
Pull box. R. H. Olley and C. H. Bissell. 2,067,644; Jan. 12.
Pulp, Manufacture of. J. J. de la Roza, Sr. 2,067,480; Jan. 12.
Pump: *See*—
Oil pump. Tire pump.
Oil well pump.
Pump. J. O. McMillan. 2,067,539; Jan. 12.
Pump rod coupling. W. H. McGuffin. 2,067,329; Jan. 12.
Racket stringing machine. J. E. Darby. 2,067,563; Jan. 12.
Rackets, Apparatus for stringing tennis. R. A. Sterns. 2,067,512; Jan. 12.
Radiator protector. V. L. Lett. 2,067,639; Jan. 12.
Radio apparatus. E. H. Hand. 2,067,395; Jan. 12.
Radio communication. H. H. Beverage. 2,067,432; Jan. 12.
Radio direction finder. W. S. Webster. 2,067,516; Jan. 12.
Radio printer. W. G. H. Finch. 2,067,181; Jan. 12.
Rail graph producing device. W. E. Gadd and H. L. Lansing. 2,067,387; Jan. 12.
Rail testing apparatus. H. C. Thorne. 2,067,804; Jan. 12.
Rails, Rolling. A. P. Spooner. 2,067,293; Jan. 12.
Railway expansion joint. J. E. Conley. 2,067,695; Jan. 12.
Range, Cooking. B. Valjean. 2,067,296; Jan. 12.
Razor, Safety. G. L. Robertson. 2,067,789; Jan. 12.
Receptacle: *See*—
Ice delivering receptacle.
Receptacle. N. P. Courtney. 2,067,599; Jan. 12.
Receptacle. J. Holan. 2,067,763; Jan. 12.
Receptacle, case, and the like. A. Anderson. 2,067,558; Jan. 12.
Recording and reproducing device. A. Rysick. 2,067,347; Jan. 12.
Records, Apparatus for multiplying. W. Ritzerfeld. 2,067,289; Jan. 12.
Records, Duplicating phonograph. C. E. Pollard and A. G. Russell. 2,067,502; Jan. 12.
Reel holder, Barbwire. W. Juranic. 2,067,765; Jan. 12.
Refrigerating apparatus. C. W. Albertson. 2,067,431; Jan. 12.
Refrigerating apparatus. J. R. Hornaday. 2,067,638; Jan. 12.
Refrigerating apparatus. S. M. Schweller. 2,067,208; Jan. 12.
Refrigerating apparatus and method. C. L. Jones and H. S. McIlvain. 2,067,324–5; Jan. 12.
Refrigeration. K. V. Nesselmann. 2,067,678; Jan. 12.
Regenerative receiver arrangement. E. Klotz. 2,067,536; Jan. 12.
Register, Autographic. F. C. Diesbach. 2,067,438; Jan. 12.
Regulating valve. S. J. Rovinsky. 2,067,346; Jan. 12.
Regulator: *See*—
Automatic damper regulator.
Regulator system. E. R. Morton. 2,067,500; Jan. 12.
Relief valve. W. T. Birch. 2,067,229; Jan. 12.
Resin and producing, Synthetic. E. G. Peterson 2,067,859; Jan. 12.
Resin and producing, Synthetic. A. L. Rummelsburg. 2,067,862; Jan. 12.
Respiration, Device for promoting. H. Hans. 2,067,268; Jan. 12.
Rhodium, Method of and electrolyte for depositing. C. W. Keitel. 2,067,534; Jan. 12.
Rinser. C. Morrison. 2,067,780; Jan. 12.
Rinser and sterilizer, Container. P. K. Girton. 2,067,838; Jan. 12.
Rod: *See*—
Welding rod.
Rod adjuster, Sucker. A. A. Hunt and L. H. Adair. 2,067,700; Jan. 12.
Rod connection, Lift. G. P. Gavin. 2,067,759; Jan. 12.
Roll for writing machines, Platen. J. Q. Sherman and A. W. Metzner. 2,067,211; Jan. 12.
Roll-holder. E. du P. Meyrowitz. 2,067,498; Jan. 12.
Rotary motor. G. Plato. 2,067,728; Jan. 12.
Rotor for distributors or the like. F. R. Good. 2,067,391; Jan. 12.
Rubber-like masses, Manufacture of artificial. E. Tschunkur and W. Bock. 2,067,304; Jan. 12.
Rubber mixing mill. G. Nichols. 2,067,458; Jan. 12.
Rubber solution. I. Williams and C. C. Smith. 2,067,299; Jan. 12.
Safety device for hydraulic brakes. L. Fontaine, Jr. 2,067,697; Jan. 12.
Safety device for refrigeration systems. N. B. Finney. 2,067,440; Jan. 12.
Safety joint. E. Burns and H. P. Wickersham. 2,067,377; Jan. 12.
Safety lock. W. Haag. 2,067,319; Jan. 12.
Safety support. C. A. Zweibel. 2,067,588; Jan. 12.
Salts and products thereof, Making soluble. F. Zimmermann. 2,067,748; Jan. 12.
Sampling machine. E. C. Carey. 2,067,693; Jan. 12.
Saw cutter. T. J. Clark. 2,067,259; Jan. 12.
Scale, Weighing. M. A. Weckerly. 2,067,741; Jan. 12.
Scoring apparatus. F. B. Lee. 2,067,769; Jan. 12.
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Scum collector. F. E. Mlick. 2,067,277; Jan. 12.
Seal for compressors and the like, Rotary. G. Nanos and R. R. Blythe. 2,067,540; Jan. 12.
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Seat and mounting, Gunner's. C. G. Trimbach. 2,067,585; Jan. 12.
Securing means for tool handles. R. E. Beegle. 2,067,751; Jan. 12.
Selecting mechanism. B. L. Green. 2,067,186; Jan. 12.
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Separable fastener. L. Roseman. 2,067,737; Jan. 12.
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Separator. O. B. Jacobsen. 2,067,710; Jan. 12.
Separator and process of separation, Magnetic. R. H. Stearns. 2,067,584; Jan. 12.
Sewing machine. F. Ricks. 2,067,649; Jan. 12.
Sewing machine for edging fabrics. A. S. Riviere. 2,067,680; Jan. 12.
Sharpener, Saw. A. C. Elder. 2,067,179; Jan. 12.
Sharpening device. T. E. Brown. 2,067,594; Jan. 12.
Shear, Flying. J. A. Smitmans. 2,067,509; Jan. 12.
Sheet feeding machine. L. H. Cross. 2,067,380; Jan. 12.
Sheet material building construction. J. J. Whelan. 2,067,252; Jan. 12.
Sheet stripping and slitting means for duplicating machines. A. Marchev. 2,067,404; Jan. 12.
Sheets for linotype machines and the like, Preparing control. B. L. Green. 2,067,185; Jan. 12.
Shimmed rail joint. C. W. Breed and G. R. Burkhardt. 2,067,375; Jan. 12.

Shipping box brace. A. D. Peister. 2,067,727; Jan. 12.
Shock absorber. L. D. Foley. 2,067,482; Jan. 12.
Shock absorber, Inertia controlled hydraulic. W. C. Muller. 2,067,409; Jan. 12.
Shock absorbing mechanism. J. E. Padgett. 2,067,281; Jan. 12.
Shoe stiffener material, Manufacture of. W. M. Mayo and S. P. Lovell. 2,067,239; Jan. 12.
Shut-off for gas ranges and the like, Time automatic. H. Gikow. 2,067,266; Jan. 12.
Siccative coats to metal, Bonding. R. R. Tanner and J. S. Thompson. 2,067,215; Jan. 12.
Signal lighting apparatus. H. G. Witmer and C. M. Hines. 2,067,653; Jan. 12.
Skate, Roller. L. G. Knapp. 2,067,712; Jan. 12.
Slab pusher. M. P. Sieger. 2,067,505; Jan. 12.
Slag blocks, Forming. W. C. Coryell. 2,067,313; Jan. 12.
Slag, Treating. W. C. Coryell. 2,067,312; Jan. 12.
Soap dispenser. W. J. Dobkin. 2,067,601; Jan. 12.
Socket wrench. H. J. Woock. 2,067,370; Jan. 12.
Sodium metasilicate, Producing crystallized anhydrous. C. L. Baker. 2,067,227; Jan. 12.
Spark plug cover. H. L. Johnson. 2,067,533; Jan. 12.
Spring: *See*—
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Stabilizer. J. D. Madden. 2,067,640; Jan. 12.
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Staple. R. C. Tumminello. 2,067,359; Jan. 12.
Star construction. J. G. Neidinger. 2,067,241; Jan. 12.
Starter control for internal combustion engines. M. H. Elkin. 2,067,180; Jan. 12.
Starting equipment for Diesel engines. F. G. Hudson and L. A. Smith. 2,067,449; Jan. 12.
Steam boiler. H. J. Kerr and I. L. Langvand. 2,067,669; Jan. 12.
Steamer and presser, Garment. G. T. Oberwetter. 2,067,858; Jan. 12.
Steel, Apparatus for heat-treating. C. J. Coberly. 2,067,436; Jan. 12.
Steel wool and soap holder. E. Kleinman. 2,067,535; Jan. 12.
Stencil cutting machine. W. C. Marsh. 2,067,702; Jan. 12.
Step for ladders, Safety. J. T. Hennessy. 2,067,188; Jan. 12.
Stick, Fertilizing. L. C. Antrim. 2,067,589; Jan. 12.
Sticker, Sweat band. C. N. Clark. 2,067,231; Jan. 12.
Stone, Process of and machine for sawing. W. McKenzie. 2,067,857; Jan. 12.
Stone sawing machine. W. McKenzie. 2,067,856; Jan. 12.
Stove. J. H. Nunn, Jr. 2,067,783; Jan. 12.
Stove, Liquid fuel. G. E. Pickup. 2,067,412; Jan. 12.
Strainer for percolators. O. M. Anderson. 2,067,470; Jan. 12.
Strapping tool. H. W. Waldorf. 2,067,806; Jan. 12.
Straw separator. S. Severson. 2,067,422; Jan. 12.
Stretcher, Shoe. P. W. Hornaday. 2,067,398; Jan. 12.
Stripping machine. S. S. Millen. 2,067,642; Jan. 12.
Sugar juices, Purification of. G. E. G. von Stietz. 2,067,362; Jan. 12.
Suit, Union. J. W. Blackwell. 2,067,870; Jan. 12.
Sulphur compound and making the same, Organic. J. Delson. 2,067,261; Jan. 12.
Sulphur, Preparation of wettable. A. H. Henninger. 2,067,397; Jan. 12.
Supply replenishing means for roving frames and the like. A. L. Taylor. 2,067,250; Jan. 12.
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Supporter, Arch. V. R. Casey and G. A. Larsen. 2,067,475; Jan. 12.
Supporting means, Safety. C. A. Zweibel. 2,067,587; Jan. 12.
Suspenders. A. R. Price. 2,067,503; Jan. 12.
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Switch. D. Taylor. 2,067,552; Jan. 12.
Synchronous electron motor. A. B. Du Mont. 2,067,382; Jan. 12.
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Telephone pay station, Dial. G. A. Long. 2,067,852; Jan. 12.
Telephone stand. E. D. Hirsch. 2,067,323; Jan. 12.
Telephone system. W. W. Carpenter. 2,067,518; Jan. 12.
Tension controlling means. H. L. Dyer, Jr. 2,067,755; Jan. 12.
Tenter machine. J. H. Williams. 2,067,369; Jan. 12.
Testing device for well equipment. H. W. Millmine. 2,067,499; Jan. 12.
Textile materials, Making sized. W. Whitehead. 2,067,220; Jan. 12.
Textile materials, Manufacture and treatment of. W. A. Dickie, A. McGill, and W. I. Taylor. 2,067,174; Jan. 12.
Textile materials, Manufacture of. W. I. Taylor. 2,067,251; Jan. 12.
Textile materials, Treatment and manufacture of. W. A. Dickie and W. I. Taylor. 2,067,175; Jan. 12.
Textile operation. W. Pool and E. L. Greenwood. 2,067,202; Jan. 12.
Thermionic cathode space current tube. W. J. Hitchcock. 2,067,607; Jan. 12.
Thermostat, Room. W. W. Williams. 2,067,745; Jan. 12.
Time actuated mechanism. A. R. Brassell. 2,067,472; Jan. 12.
Tire assembly, Pneumatic. J. B. Ricketts, Jr. 2,067,545; Jan. 12.
Tire, Pneumatic. C. Putnam. 2,067,788; Jan. 12.
Tire, pressure indicator. W. L. Jones. 2,067,490; Jan. 12.
Tire pump. W. K. Thornton. 2,067,358; Jan. 12.
Tire retaining device. H. J. Horn. 2,067,448; Jan. 12.
Tobacco product and conditioning same. J. T. Power and K. R. Brown. 2,067,338; Jan. 12.
Tool: *See*—
Clutch aligning tool.
Tool. L. K. Soteros. 2,067,247; Jan. 12.
Tool for cutting threads. W. L. Benninghoff. 2,067,593; Jan. 12.
Tool including fluid operated feeding devices, Machine. E. J. Kingsbury. 2,067,491; Jan. 12.
Torch control apparatus. D. L. Smith. 2,067,212; Jan. 12.
Torpedo. A. Brandt. 2,067,824; Jan. 12.
Toy aeroplane. F. A. Christiansen. 2,067,258; Jan. 12.
Toy airplane. F. A. Christiansen. 2,067,828; Jan. 12.
Toy, Battery lighted locomotive. A. N. Smith. 2,067,352; Jan. 12.
Toy parachute. I. W. Jamieson. 2,067,571; Jan. 12.
Toy submarine. A. J. Middler. 2,067,201; Jan. 12.
Tractor shoes and similar articles, Making. H. F. Johnson and G. H. Stegkemper. 2,067,269; Jan. 12.
Transmission. C. H. Barton. 2,067,592; Jan. 12.
Transmission and operating the same, Hydraulic variable speed. E. Seibold. 2,067,793; Jan. 12.
Transmission, Automatic. E. E. Cotanch. 2,067,562; Jan. 12.
Transmission case for automobiles, Semi-automatic. F. Hnizdo and V. Obermajer. 2,067,848; Jan. 12.
Transmission, Hydraulic. E. Seibold. 2,067,209; Jan. 12.
Trap: *See*—
Burglar trap.
Traveler. P. C. Wentworth. 2,067,429; Jan. 12.
Tray separator construction, Freezing. C. Steenstrup. 2,067,799; Jan. 12.
Trimmer condenser. L. C. Johnson. 2,067,238; Jan. 12.
Truck, Railway. D. S. Barrows. 2,067,471; Jan. 12.
Truing apparatus for lapping machines. H. S. Indge. 2,067,531; Jan. 12.
Tube: *See*—
Electron discharge tube.
Thermionic cathode space current tube.
Tubes, Devices for gettering metal. J. E. Beggs. 2,067,817; Jan. 12.
Tubes, Method and apparatus for operating positive column discharge. W. O. Mitscherling. 2,067,576; Jan. 12.
Tubing head. A. J. and K. T. Penick. 2,067,785; Jan. 12.
Tubing, Veneered. T. W. Holt. 2,067,665; Jan. 12.
Tumbler, Laundry shake-out. E. D. Purkett. 2,067,543; Jan. 12.
Tuning device for radio sets. E. C. Booth. 2,067,871; Jan. 12.
Tunnel and constructing same, Membrane lined. P. A. Kinzie. 2,067,493; Jan. 12.
Turbine arrangement, Parallel flow. F. R. Ericson and A. D. Somes. 2,067,834; Jan. 12.
Turbine, Wind reaction. J. D. Penton. 2,067,542; Jan. 12.
Type and the like, Automatic means for setting. R. L. Green. 2,067,184; Jan. 12.
Type in typesetting machines, Automatically setting. B. L. Green. 2,067,182; Jan. 12.
Typewriter, Justified lines. W. O. Bell. 2,067,821; Jan. 12.
Valuable products from hydrocarbons, Recovery of. G. Stern and W. Hoess. 2,067,511; Jan. 12.
Valve: *See*—
Primer valve. Relief valve.
Regulating valve.
Valve control apparatus. D. L. Smith. 2,067,622; Jan. 12.
Valve device. F. A. Kommer. 2,067,713; Jan. 12.
Valve for heating systems, Automatic. C. N. Flagg. 2,067,629; Jan. 12.
Valve of the screened grid type, Thermionic. W. R. Builimore. 2,067,825; Jan. 12.
Valve operating mechanism and control for Diesel engines, Air chamber. B. Loeffler. 2,067,612; Jan. 12.
Valve system, Sanitary. W. A. Richardson. 2,067,204; Jan. 12.
Vehicle braking-wheel driving structure, Motor. C. Sauzedde. 2,067,207; Jan. 12.
Vehicle, Multiwheel motor. P. T. Robin. 2,067,861; Jan. 12.
Vehicle, Road. E. J. Rocher. 2,067,546; Jan. 12.

Vehicle spring. Self-lubricating. C. A. Dougherty. 2,067,831; Jan. 12.
Vending machine. R. H. Kurtz. 2,067,675; Jan. 12.
Vending machine attachment. C. R. Simpkins and B. Radtke. 2,067,351; Jan. 12.
Vest. C. L. Kaufman. 2,067,850; Jan. 12.
Vibration detector. C. A. Helland. 2,067,636; Jan. 12.
Vibration responsive device. E. L. Thearle. 2,067,803; Jan. 12.
Viscometer. E. H. Zeitfuchs. 2,067,430; Jan. 12.
Wall fixture, Recessed. J. H. Balmer. 2,067,591; Jan. 12.
Water and dissolving calcium salts with thiotetraphosphates, Softening. A. H. Fiske and C. S. Bryan. 2,067,628; Jan. 12.
Water heater. H. J. Long. 2,067,495; Jan. 12.
Water softening apparatus. A. C. Zimmerman and F. E. Knaack. 2,067,808; Jan. 12.
Water treating apparatus. E. Pick. 2,067,302; Jan. 12.
Weft severing mechanism for looms. W. R. Hewton. 2,067,761; Jan. 12.
Weighing and classifying device. L. S. Williams. 2,067,744; Jan. 12.
Weighing device. M. A. Weckerly. 2,067,743; Jan. 12.
Welder. A. Waeschle. 2,067,363; Jan. 12.
Welding rod. F. M. Becket and R. Franks. 2,067,631; Jan. 12.
Welding rod. R. Franks. 2,067,630; Jan. 12.
Wells, Apparatus for cleaning. I. A. Morris. 2,067,408; Jan. 12.
Wheel assembly spreader. F. H. Johnston, A. R. Lambert, and H. L. Brump. 2,067,620; Jan. 12.
Winch attachment for motor vehicles, Power. E. Garner, Jr. 2,067,388; Jan. 12.
Window construction. R. T. Axe. 2,067,654–5; Jan. 12.
Window hinge. F. E. Songer. 2,067,798; Jan. 12.
Wings for aircraft, Rotary sustaining. J. A. J. Bennett. 2,067,228; Jan. 12.
Woodworking machine. H. E. Tautz. 2,067,652; Jan. 12.
Wrapper or carton. L. A. and J. F. Nahm. 2,067,723; Jan. 12.
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Wringer release mechanism. B. E. Getz. 2,067,603; Jan. 12.
Writing machines, Attachment for. J. Q. Sherman. 2,067,210; Jan. 12.
Yarn guide and folder. O. S. Carliss. 2,067,827; Jan. 12.
Yarn, Manufacture of jute. G. McCardle and T. Taggart. 2,067,497; Jan. 12.
Yarns, Production of craped or crimped artificial. H. Radestock. 2,067,544; Jan. 12.

CLASSIFICATION OF PATENTS

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NOTE.—First number=class, second number=subclass, third number=patent number

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	2,067,881		170: 2,067,624		2,067,293		73: 2,067,728		111: 2,067,702		16: 2,067,396
	48: 2,067,707		187: 2,067,594		2,067,514		164: 2,067,635	167—	22: 2,067,532		19: 2,067,193
	50: 2,067,686		279: 2,067,297	81—	9.1: 2,067,806		225: 2,067,315		52: 2,067,317		2,067,198
	54: 2,067,174	52—	2: 2,067,213		15: 2,067,578	122—	303: 2,067,670		2,067,318		49: 2,067,730
	2,067,175	53—	3: 2,067,787		53: 2,067,370		392: 2,067,625		67: 2,067,866		2,067,847
	55: 2,067,580		7: 2,067,849	82—	40: 2,067,618		436: 2,067,305		71: 2,067,674		2,067,865
	57: 2,067,522	58—	26: 2,067,708	83—	28: 2,067,341	168—	13: 2,067,427		168— 13: 2,067,427		2,067,869
19—	66: 2,067,497		117: 2,067,478		73: 2,067,826		476: 2,067,671	169—	30: 2,067,829		56: 2,067,810
	130: 2,067,250	60—	13: 2,067,288	84—	177: 2,067,880		2,067,672	170—	12: 2,067,542		66: 2,067,782
	157: 2,067,827		31: 2,067,253	85—	32.1: 2,067,773		478: 2,067,669		173: 2,067,410		74: 2,067,264
20—	1.01: 2,067,662		52: 2,067,491		49: 2,067,359	123—	30: 2,067,449	171—	95: 2,067,520		82: 2,067,627
	4: 2,067,860		53: 2,067,457	87—	5: 2,067,326		32: 2,067,461		119: 2,067,395		107: 2,067,832
	16: 2,067,623		54: 2,067,209		2,067,327		33: 2,067,274		2,067,500		132: 2,067,864
	78: 2,067,418		2,067,793		2,067,355		48: 2,067,611		229: 2,067,604		147: 2,067,334
	92: 2,067,727		54.5: 2,067,697		6: 2,067,279		50: 2,067,496		314: 2,067,420		2,067,802
22—	80: 2,067,609		59: 2,067,453	88—	16.8: 2,067,771		51: 2,067,171	172—	36: 2,067,382	197—	1: 2,067,183
	121: 2,067,390		67: 2,067,834		23: 2,067,843		2,067,217		120: 2,067,605		2,067,185
	140: 2,067,389	61—	13: 2,067,356		28: 2,067,835		75: 2,067,715		239: 2,067,837		20: 2,067,821
23—	3: 2,067,311		45: 2,067,493		47: 2,067,272		119: 2,067,757	173—	259: 2,067,195		126: 2,067,210
	14: 2,067,748		72: 2,067,717		2,067,419		127: 2,067,292		264: 2,067,169		133: 2,067,211
	75: 2,067,606		84: 2,067,711		54: 2,067,194		2,067,595		2,067,170	198—	64: 2,067,583
	109: 2,067,538	62—	1: 2,067,638		79: 2,067,698		139: R. 20,242		265: R. 20,244	199—	18: 2,067,182
	110: 2,067,227		2,067,676		82: 2,067,701		143: 2,067,533		332: 2,067,796		2,067,184
	212: 2,067,729		2,067,720		97: 2,067,602		169: 2,067,614		361: 2,067,433		2,067,186
	236: 2,067,368		2,067,830	89—	3: 2,067,322		174: 2,067,407	175—	41.5: 2,067,238	200—	6: 2,067,552
24—	74: 2,067,484		4: R. 20,243		37: 2,067,585		177: 2,067,254		183: 2,067,256		9: 2,067,557
	113: 2,067,814		R. 20,245	90—	13.1: 2,067,867		188: 2,067,878		2,067,804		13.5: 2,067,577
	205: 2,067,734		91.5: 2,067,324		38: 2,067,551		196: 2,067,421	199—	18: 2,067,182		21: 2,067,391
	2,067,735		2,067,325	91—	12: 2,067,447		315: 2,067,703		2,067,184		35: 2,067,248
	2,067,736		108.5: 2,067,799		68: 2,067,220	125—	11: 2,067,531		320: 2,067,413		2,067,186		46: 2,067,485
	2,067,737		114: 2,067,683		2,067,239		12: 2,067,856	176—	24: 2,067,576		48: 2,067,659
	248: 2,067,663		116: 2,067,504		2,067,501		2,067,857		32: 2,067,844		52: 2,067,875
	249: 2,067,487		118: 2,067,678		2,067,586	126—	44: 2,067,173		40: 2,067,664		58: 2,067,490
25—	26: 2,067,716		126: 2,067,208		2,067,731		2,067,296		2,067,746		59: 2,067,681
	91: 2,067,401		2,067,431		2,067,738		93: 2,067,783	177—	311: 2,067,232		109: 2,067,792
26—	28: 2,067,632		2,067,643	92—	7: 2,067,480		285: 2,067,560		2,067,440		2,067,797
	57: 2,067,369		175.5: 2,067,349		21: 2,067,876		312: 2,067,872		326: 2,067,187		112: 2,067,235
28—	1: 2,067,219	64—	11: 2,067,284		38: 2,067,350		350: 2,067,495		329: 2,067,653		120: 2,067,541
	2,067,816		21: 2,067,286		47: 2,067,360	127—	48: 2,067,362		351: 2,067,803		138: 2,067,745
	40: 2,067,689		27: 2,067,285	93—	8: 2,067,646	128—	29: 2,067,268		352: 2,067,636		148: 2,067,648
29—	21: 2,067,190	66—	9: 2,067,805	94—	43: 2,067,236		85: 2,067,567		373: 2,067,705		
	89: 2,067,442		50: 2,067,877	95—	6: 2,067,690		146: 2,067,822	178—	4.1: R. 20,241		
	148: 2,067,283		63: 2,067,733		53: 2,067,189	129—	23: 2,067,846		5: 2,067,489		
	148.3: 2,067,269		82: 2,067,841	96—	3: 2,067,333	131—	31: 2,067,338		6: R. 20,239		
	152: 2,067,282		2,067,842	97—	43: 2,067,781		51: 2,067,406		44: 2,067,443		
30—	32: 2,067,619		117: 2,067,197	98—	2: 2,067,575	132—	92: 2,067,692		2,067,444		
				99—	1: 2,067,682						

200— 148: 2,067,673
201— 57: 2,067,467
76: 2,067,393
202— 64: 2,067,450
73: 2,067,364
204— 1: 2,067,534
2,067,747
8: 2,067,502
9: 2,067,361
24: 2,067,345
205— 9: 2,067,212
21: 2,067,530
206— 44: 2,067,660
2,067,749
59: 2,067,820
80: 2,067,386
208— 173: 2,067,712
209— 121: 2,067,744
139: 2,067,321
218: 2,067,584
210— 23: 2,067,628
24: R. 20,238
2,067,302
2,067,808
38: 2,067,328
55: 2,067,277
63: 2,067,800
162: 2,067,470
164: 2,067,439
201: 2,067,415
211— 99: 2,067,833
214— 134: 2,067,879
215— 8: 2,067,600
12: 2,067,766
216— 33: 2,067,462
217— 3: 2,067,753

219— 4: 2,067,363
8: 2,067,206
2,067,230
2,067,630
2,067,631
10: 2,067,342
20: 2,067,481
220— 1: 2,067,263
2,067,553
38: 2,067,658
43: 2,067,599
63: 2,067,763
87: 2,067,547
221— 23: 2,067,554
47.3: 2,067,260
2,067,294
47.4: 2,067,298
60: 2,067,196
114: 2,067,523
223— 73: 2,067,858
99: 2,067,476
109: 2,067,537
226— 14: 2,067,301
40: 2,067,573
100: 2,067,750
228— 17: 2,067,188
229— 4.5: R. 20,235
17: 2,067,723
39: 2,067,754
45: 2,067,740
54: 2,067,367
85: 2,067,550
230— 35: 2,067,358
55: 2,067,819
106.5: 2,067,861
233— 13: 2,067,590

233— 21: 2,067,273
234— 1: 2,067,387
61: 2,067,996
235— 92: 2,067,336
236— 11: 2,067,426
46: R. 20,240
93: 2,067,629
238— 171: 2,067,598
2,067,695
244: 2,067,375
315: 2,067,276
240— 1: 2,067,416
2.14: 2,067,868
41.5: 2,067,722
241— 8: 2,067,684
24: 2,067,503
242— 55.2: 2,067,760
96: 2,067,765
244— 13: 2,067,770
16: 2,067,423
18: 2,067,228
39: 2,067,633
83: 2,067,634
247— 15: 2,067,644
248— 50: 2,067,818
158: 2,067,323
249— 61: 2,067,743
250— 8: 2,067,432
11: 2,067,516
20: 2,067,536
27.5: 2,067,330
2,067,529
2,067,607
2,067,691
2,067,817
2,067,825

250— 27.5: 2,067,840
33: 2,067,337
2,067,615
36: 2,067,353
2,067,365
2,067,366
2,067,679
41.5: 2,067,613
251— 92: 2,067,346
159: 2,067,810
252— 6: 2,067,397
254— 166: 2,067,388
255— 1: 2,067,499
2,067,693
15: 2,067,700
28: 2,067,329
2,067,377
256— 48: 2,067,688
257— 132: 2,067,639
261: 2,067,597
259— 81: 2,067,543
260— 2: 2,067,234
2,067,706
2,067,859
6: 2,067,172
2,067,304
2,067,854
8: 2,067,862
38: 2,067,704
38.5: 2,067,725
2,067,726
57: 2,067,511
60: 2,067,468
2,067,469
99.11: 2,067,494
99.12: 2,067,176

260— 127: 2,067,291
129: 2,067,463
136: 2,067,237
138: 2,067,261
151: 2,067,385
152: 2,067,853
154: 2,067,452
156: 2,067,473
2,067,616
157: 2,067,392
159: 2,067,873
2,067,941
261— 18: 2,067,221
262— 28: 2,067,226
2,067,339
263— 26: 2,067,823
265— 11: 2,067,430
44: 2,067,742
2,067,741
266— 4: 2,067,436
2,067,549
267— 4: 2,067,471
11: 2,067,640
50: 2,067,831
65: 2,067,482
271— 38: 2,067,380
55: 2,067,505
64: 2,067,565
272— 31: 2,067,258
2,067,828
273— 73: 2,067,512
2,067,563
80: 2,067,556
95: 2,067,732
121: 2,067,245
123: 2,067,244
277— 44: 2,067,445

277— 45: 2,067,713
280— 33.9: 2,067,794
281— 12: 2,067,498
282— 12: 2,067,376
21: 2,067,438
285— 22: 2,067,785
91: 2,067,768
193: 2,067,428
286— 7: 2,067,540
287— 11: 2,067,271
90: 2,067,553
37: 2,067,180
292— 67: 2,067,779
281: 2,067,255
294— 92: 2,067,372
296— 45: R. 20,237
299— 83: 2,067,601
140: 2,067,718
301— 36: 2,067,620
304— 9: 2,067,344
306— 20: 2,067,751
308— 59: 2,067,513
73: 2,067,191
187: 2,067,464
309— 10: 2,067,278
13: 2,067,314
19: 2,067,714
311— 21: 2,067,661
82: 2,067,548
2,067,775
312— 96: 2,067,675

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Glove Corporation, Gloversville, N. Y. Gloves. Serial No. 385,431; Jan. 19. Class 39.
Aetna Casualty and Surety Company, The. (See Beck & Wall, Inc., assignor.)
Allen Calculators, Incorporated, New York, N. Y. Adding machines and calculators. Serial No. 373,550; Jan. 19. Class 26.
Al-Ser-Col Sales. (See Collins, Landon B.)
American Bleached Goods Company, Inc., New York, N. Y. Cotton and rayon piece goods. Serial No. 385,717; Jan. 19. Class 42.
American Tube Works, Inc., New York, N. Y. Brass and copper tubes, condenser tubes, heaters, etc. Serial No. 383,696; Jan. 19. Class 34.
Austin Motor Company, Limited, The, Northfield, Birmingham, England. Motor vehicles. Serial No. 378,873; Jan. 19. Class 19.
Beck & Wall, Inc., Cleveland, Ohio, assignor to The Aetna Casualty and Surety Company, Hartford, Conn. Device to measure the time taken by automobile drivers to respond (1) mentally and (2) physically to evidences of imminent personal peril. Serial No. 382,618; Jan. 19. Class 26.
Belgard-Spero, Inc., Chicago, Ill. Eye glasses, spectacle forms, mountings, etc. Serial No. 384,781; Jan. 19. Class 26.
Bentley Motors (1931) Limited, London, England. Automobile and chassis thereof. Serial No. 379,179; Jan. 19. Class 19.
Borden Company, The, New York, N. Y. Popcorn coated with cheese flavoring. Serial No. 385,923; Jan. 19. Class 46.
Braun Bros. Oil Co., Winnetka, Ill. Gasoline, cylinder oil, axle grease, etc. Serial No. 385,682; Jan. 19. Class 15.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Mops for bowling alleys. Serial No. 386,344; Jan. 19. Class 29.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. Serial No. 386,345; Jan. 19. Class 22.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley pit mats. Serial No. 386,346; Jan. 19. Class 22.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Bags for bowling balls. Serial No. 386,355; Jan. 19. Class 2.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. Serial No. 386,358; Jan. 19. Class 22.
Bulova Watch Company, Inc., New York, N. Y. Watches. Serial Nos. 386,010–11; Jan. 19. Class 27.
Cahill, Bernard J, S., Alameda, Calif. Maps. Serial No. 385,087; Jan. 19. Class 38.
California Cracker Company. (See Lewis, Dallas B.)
Carolina Pyrophyllite Company, New York, N. Y. Pyrophyllite. Serial No. 385,969; Jan. 19. Class 1.
Cavanaugh, Doris H., doing business as Doris Hayes, Boston, Mass. Suits, dresses, frocks, etc. Serial No. 385,175; Jan. 19. Class 39.
Chain Belt Company, Milwaukee, Wis. Chains. Serial No. 384,406; Jan. 19. Class 13.
Children's House, The. (See Wheeler, Ruth S.)
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. Serial No. 385,777; Jan. 19. Class 42.
Collins, Landon B., doing business as Al-Ser-Col Sales, Oakland, Calif. Medicine for relief of pain, simple headaches, etc. Serial No. 383,191; Jan. 19. Class 6.
Collins, Tom, Corporation, The, Covington, Ky. Alcoholic punches, alcoholic mixed drinks, whiskey highball, etc. Serial No. 384,120; Jan. 19. Class 49.
Cone Export and Commission Company, New York, N. Y. Flannelette. Serial Nos. 385,032–4; Jan. 19. Class 42.
Continental Carbon Inc., Cleveland, Ohio. Electrical capacitors, reactors, or combinations of capacitors and reactors. Serial No. 386,099; Jan. 19. Class 21.
Davidson Biscuit Company, Mount Vernon, Ill. Crackers. Serial No. 372,398; Jan. 19, Class 46.
Davis & Lawrence Co., New York, N. Y Dressing for slight wounds and cuts, deodorant, mouth wash, etc. Serial No. 385,727; Jan. 19. Class 6.
Detroit Incinerator Company, Detroit, Mich. Incinerators. Serial No. 384,200; Jan. 19. Class 34.
Douglass & Cefaratti, Darby, Pa. Hair tonic. Serial No. 385,688; Jan. 19. Class 6.
Dritz-Traum Company, Inc., New York, N. Y. Braid or lacing. Serial No. 384,650; Jan. 19. Class 40.
Dunhill, Alfred, Limited, London, England. Pyrophoric lighters. Serial No. 385,252–3; Jan. 19. Class 34.
Eastman Kodak Company, doing business as The Tennessee Eastman Corporation, Rochester, N. Y., and Kingsport, Tenn. Artificial silk thread and yarn. Serial No. 385,256; Jan. 19. Class 43.
Eaton Paper Corporation, Pittsfield, Mass. Stationery. Serial Nos. 385,977–8; Jan. 19. Class 37.
Educational Caravans, Inc., Buffalo, N. Y. Periodical. Serial No. 383,991; Jan. 19. Class 38.
Esmeralda Canning Co., The, Circleville, Ohio. Canned vegetables. Serial No. 385,570; Jan. 19. Class 46.
Florian Products Company. (See Lifter, F. A.)
Frederics, E., Inc., New York, N. Y. Hair drying apparatus. Serial No. 383,840; Jan. 19. Class 44.
Fries & Fries, Inc., Cincinnati, Ohio. Alcoholic wine flavoring compounds. Serial No. 384,416; Jan. 19. Class 47.
Frosted Wool Process Company, Los Angeles, Calif. Fleeced or pulled wools. Serial No. 385,288; Jan. 19. Class 1.
Gateway Baking Company, Fort Smith, Ark. Bread. Serial No. 383,806; Jan. 19. Class 46.
Gaylord Bros., Inc., Syracuse, N. Y. Binders. Serial No. 386,106; Jan. 19. Class 37.
Goldring Merchandising Corporation, New York, N. Y. Women's dresses, coats, suits. Serial No. 378,748; Jan. 19. Class 39.
Grant, W. T., Company, New York, N. Y. Cleansing tissues. Serial No. 386,027; Jan. 19. Class 37.
Green Mountain Distillery, Inc., Burlington, Vt. Liqueurs and cordials. Serial Nos. 385,628–9; Jan. 19. Class 49.
Grosner, Gerald D., doing business as Grosner's, Grosner of 1325 F St., and Grosner of Washington, Washington, D. C. Overcoats, topcoats, and suits, etc. Serial No. 383,882; Jan. 19. Class 39.
Harbor Pickle Co., Long Beach, Calif. Pickles and relishes. Serial No. 372,875; Jan. 19. Class 46.
Harriman Manufacturing Company, The, Harriman, Tenn. Cultivators, plows, harrows, etc. Serial No. 384,533; Jan. 19. Class 23.
Hayes, Doris. (See Cavanaugh, Doris H.)
Heat-King Oil Burner Co. (See Kleen-Heet, Inc.)
Heintz & Kaufman, Ltd., San Francisco, Calif. Radio transmitters and receivers and parts therefor, electric motors, etc. Serial No. 384,795; Jan. 19. Class 21.
Hollywood Rapid Dry Curler. (See McFadden, Ross McC.)
Home Products Company. (See Walters, John H.)
Hopp Press, Inc., The, New York, N. Y. Metal price card holding strips for shelving. Serial No. 384,589; Jan. 19. Class 13.
Hutchings, Norman W., doing business as Rice Sales Company, Mobile, Ala. Rice. Serial Nos. 385,630–1; Jan. 19. Class 46.
International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets of paper. Serial Nos. 385,982–3; Jan. 19. Class 37.
International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets made of paper. Serial Nos. 386,109–12; Jan. 19. Class 37.
Ivey, J. B., & Company, Charlotte, N. C. Sheets, pillow cases, towels, and blankets. Serial No. 385,690; Jan. 19. Class 42.
Jacobson, Albert, New York, N. Y. Tobacco smoking implements. Serial No. 385,292; Jan. 19. Class 8.
Journeymen Barbers' International Union of America, The, Indianapolis, Ind. Periodical. Serial No. 385,632; Jan. 19. Class 38.
Kirk, John A., Detroit, Mich. General medical and surgical appliances. Serial No. 385,186; Jan. 19. Class 44.
Kleen-Heet, Inc., doing business as Heat-King Oil Burner Co., Chicago, Ill. Fuel-oil burners. Serial No. 359,623; Jan. 19. Class 34.
Kling, Mathilde G., doing business as Nic-Off Company, Chicago, Ill. Stain removing cream. Serial No. 384,799; Jan. 19. Class 6.
Kynoch, G. & G., Ltd., London, England. Woollen rugs for personal use. Serial No. 384,090; Jan. 19. Class 42.
Kynoch, G. & G., Ltd., London, England. Woollen piece goods. Serial No. 384,091; Jan. 19. Class 42.
La Yebana Company, Inc., Sampaloc, Manila, P. I. Cigars and cigarettes. Serial Nos. 385,794–5; Jan. 19. Class 17.
Le Roi Hosiery Co. Inc., New York, N. Y. Hosiery. Serial No. 383,535; Jan. 19. Class 39.
Lewis, Dallas B., doing business as California Cracker Company, Los Angeles, Calif. Cheese crackers. Serial No. 378,318; Jan. 19. Class 46.
Lewis-Martin and Company, Newark, N. J. Flavoring extracts, flavoring emulsions, binders, and stabilizers. Serial No. 383,134; Jan. 19. Class 46.
Lifter, F. A., doing business as Florian Products Company, Newark, N. J. Paint finish, ready mixed paints, paint enamel, and varnishes. Serial No. 379,753; Jan. 19. Class 16.
Lion Shoe Co., Inc., New York, N. Y. Shoes and slippers. Serial No. 384,381; Jan. 19. Class 39.
Lugene, Inc., New York, N. Y. Spectacles and spectacle frames. Serial No. 385,229; Jan. 19. Class 26.
Marathon City Brewing Company, The, Marathon, Wis. Beer. Serial No. 385,327; Jan. 19. Class 48.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Marshall Steel Company, Oakland, Calif. Hats. Serial No. 380,712; Jan. 19. Class 39.
Matteson Air Cooler Co., Boise, Idaho. Air humidifying and cooling machines. Serial No. 385,104; Jan. 19. Class 34.
Mayer-Stern, Incorporated, Allentown, Pa. Polo and sport shirts, and women's blouses. Serial No. 385,485; Jan. 19. Class 39.
Mayor Walnut Hair Dye Co., Inc., Kansas City, Mo. Hair dye. Serial No. 383,760; Jan. 19. Class 6.
McCarthy, Richard B., Swampscott, Mass. Shoes. Serial No. 383,932; Jan. 19. Class 39.
McClenaghan, William, New York, N. Y. Combination of a facial cream and mask. Serial No. 382,922; Jan. 19. Class 6.
McFadden, Ross McC., doing business as Hollywood Rapid Dry Curler, Los Angeles, Calif. Non-electrical hair curler. Serial No. 385,053; Jan. 19. Class 40.
McNish, Robert, & Co. Ltd., Glasgow, Scotland, and London, England. Scotch whiskey. Serial No. 373,080; Jan. 19. Class 49.
Merlier, M., Inc., New York, N. Y. Leather and fabric gloves. Serial No. 384,216; Jan. 19. Class 39.
Miller, Murry M., doing business as Movie-Goer Publishing Co., New York, N. Y. Monthly publications. Serial No. 385,445; Jan. 19. Class 38.
Mohican Company, The, New York, N. Y. Canned vegetables. Serial No. 384,547; Jan. 19. Class 46.
Movie-Goer Publishing Co. (See Miller, Murry M.)
Muehlstein, H., & Co. Inc., New York, N. Y. Crude rubber. Serial No. 385,855; Jan. 19. Class 1.
Murray-Ohio Manufacturing Co., The, Cleveland, Ohio. Bicycles. Serial No. 385,381; Jan. 19. Class 19.
Myers & Lindquist, St. Paul, Minn. Dolls. Serial No. 373,261; Jan. 19. Class 22.
New England Distillers, Incorporated, Clinton, Mass. Rum. Serial No. 385,935; Jan. 19. Class 49.
Nic-Off Company. (See Kling, Mathilde G.)
Norrey's Products Inc., New York, N. Y. Base metal asparagus cookers. Serial No. 357,343; Jan. 19. Class 13.
Northern Paper Mills, Green Bay, Wis. Toilet (tissue) paper. Serial No. 385,821; Jan. 19. Class 37.
Northern Paper Mills, Green Bay, Wis. Toilet (tissue) paper. Serial Nos. 385,823–4; Jan. 19. Class 37.
Oregon-Washington Pear Bureau, Seattle, Wash. Fresh pears. Serial No. 383,747; Jan. 19. Class 46.
Paper Finishing Co., Chicago, Ill. Holding clips for tree light sockets. Serial No. 383,246; Jan. 19. Class 13.
Park-Sherman Co., Chicago, Ill. Liquid containers and dispensers. Serial No. 385,149; Jan. 19. Class 13.
Patek & Co., San Francisco, Calif. Identification markers used in dry cleaning trade. Serial No. 384,597; Jan. 19. Class 50.
Patons & Baldwins, Inc., Newark, N. J. Thread and yarn. Serial Nos. 385,639–43; Jan. 19. Class 43.
Penn Action Oil Company. (See Valvoline Oil Company.)
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton piece goods. Serial No. 385,747; Jan. 19. Class 42.
Perfect Mnfg. Co., The, doing business as Tenora Kitchens, Cincinnati, Ohio. Vegetable extract to be used for tenderizing meats. Serial No. 376,065; Jan. 19. Class 46.
Pratt-Mallory Company, Sioux City, Iowa. Wheat flour. Serial No. 374,020; Jan. 19. Class 46.
Printz-Biederman Company, The, Cleveland, Ohio. Women's coats and suits. Serial No. 385,800; Jan. 19. Class 39.
Pyle-National Company, The, Chicago, Ill. Electric locomotive headlights, electric lights and lighting equipment, etc. Serial No. 383,138; Jan. 19. Class 21.
Radio Electric Service, Saginaw, Mich. Radio aerials. Serial No. 382,677; Jan. 19. Class 21.
Rice Sales Company. (See Hutchings, Norman W.)
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 384,673; Jan. 19. Class 22.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. Serial Nos. 386,446–7; Jan. 19. Class 22.
Roma Wine Company, Inc., Lodi, Calif. Wines. Serial No. 382,526; Jan. 19. Class 47.
Roma Wine Company, Inc., Lodi, Calif. Wines. Serial Nos. 382,528–9; Jan. 19. Class 47.
Rosenfeld, Harry, Inc., New York, N. Y. Women's handbags. Serial No. 385,992; Jan. 19. Class 3.
Rothholz, Wm. A., Co. Inc., New York, N. Y. Linen, cotton, and woolen goods. Serial No. 382,489; Jan. 19. Class 42.
Samstag, Henry F., New York, N. Y. Safety razor blades. Serial No. 385,943; Jan. 19. Class 23.
Savoy Watch Co. Inc., New York, N. Y. Watches. Serial No. 385,806; Jan. 19. Class 27.
Schelter Last Co. Inc., Rochester, N. Y. Shoe stretchers. Serial No. 385,426; Jan. 19. Class 50.
Schildge, George W., doing business as George W. Schildge Paper Co., Chicago, Ill. Toilet paper. Serial No. 379,772; Jan. 19. Class 37.
Schindler & Company, New York, N. Y. Men's and boys' underwear. Serial No. 385,807; Jan. 19. Class 39.
Silver Dome, Incorporated, Detroit, Mich. Trailer coaches. Serial No. 385,066; Jan. 19. Class 19.
Simpson Optical Manufacturing Co., Chicago, Ill. Microscopes, optical, microscopic, camera and projector lenses, prisms, and refractors. Serial No. 384,764; Jan. 19. Class 26.
Sprague Warner & Company, Chicago, Ill. Coffee. Serial No. 385,453; Jan. 19. Class 46.
Sterling Products Company, Easton, Pa. Laundry sour. Serial No. 385,813; Jan. 19. Class 6.
Stiles-Barrett Corporation, St. Louis, Mo. Brake lining grinders. Serial No. 384,822; Jan. 19. Class 23.
Tennessee Eastman Corporation, The. (See Eastman Kodak Company.)
Tenora Kitchens. (See Perfect Mfg. Co., The.)
Thomas, C., Stores Sales System, Inc., Minneapolis, Minn. Sandwich relish, mayonnaise, salad dressing, etc. Serial No. 379,910; Jan. 19. Class 46.
Tien Chu Ve-Tsin Manufacturing Co., Shanghai, China. Food flavoring compound. Serial No. 372,533; Jan. 19. Class 46.
Trump Company, The. (See Zifferblatt, Al.)
United Buyers Corporation, Chicago, Ill. Wheat flour. Serial No. 385,759; Jan. 19. Class 46.
Valk, S. J., & Son, New York, N. Y. Olives, olive oil, and bottled cherries. Serial No. 382,778; Jan. 19. Class 46.
Valvoline Oil Company, doing business as Penn Action Oil Company, Cincinnati, Ohio, New York, N. Y., and Warren, Pa. Lubricating oils and greases. Serial No. 385,205; Jan. 19. Class 15.
Walgreen Co., Chicago, Ill. Tennis racquets and tennis balls. Serial No. 378,011; Jan. 19. Class 22.
Walker, M. S., Inc., Boston, Mass. Gin liqueur. Serial No. 384,941; Jan. 19. Class 49.
Walters, John H., doing business as Home Products Company, Kansas City, Mo. Concentrated beverage powder. Serial No. 380,852; Jan. 19. Class 45.
Webster Manufacturing Co., Colfax, La. Gasoline heater attachment for carburetors. Serial No. 385,917; Jan. 19. Class 23.
Webwood Corporation, New York, N. Y. Plastic wood products. Serial No. 384,636; Jan. 19. Class 1.
Weldon, Marsena N., Los Angeles, Calif. Laxative tablets. Serial No. 382,106; Jan. 19. Class 6.
Wheeler, Ruth S., doing business as The Children's House, Boston, Mass. Outer waists, pants, nightgowns, etc. Serial No. 384,771; Jan. 19. Class 39.
Williams, J. H., & Co., Buffalo, N. Y. Chains for tongs and pipe vises. Serial No. 383,792; Jan. 19. Class 23.
Wilson-Jones Company, Chicago, Ill. Punching machines as office appliances for perforating sheets. Serial No. 385,919; Jan. 19. Class 37.
Wilson-Jones Company, Chicago, Ill. Loose leaf binders. Serial No. 386,060; Jan. 19. Class 37.
Wiremold Company, The, West Hartford, Conn. Overfloor raceway for wires. Serial No. 386,003; Jan. 19. Class 21.
Woodward & Lothrop, Washington, D. C. Dresses, tailored suits, riding suits, etc. Serial No. 371,377; Jan. 19. Class 39.
York Hoover Body Corporation, York, Pa. Trailers. Serial No. 384,832; Jan. 19. Class 19.
Zifferblatt, Al, doing business as The Trump Company, New York, N. Y. Mouthpieces for musical instruments. Serial No. 385,325; Jan. 19. Class 36.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, as amended June 20, 1936]

Scottish Woollen Trade Mark Association Limited, The. Edinburgh, Scotland. Cloths and stuffs of wool. Serial No. 383,650; Jan. 19. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

Ackerman, Simon, Clothes, Inc., New York, N. Y. Clothing and accessories. 342,491; Jan. 19; Serial No. 379,500; published Oct. 27, 1936. Class 39.
Air City Potato Chip Co. (See Latin, Harry G.)
Alexander Doll Co. (See Behrman, Bertha.)
Allergy Clinic. (See Gatterdam, Eugene A.)
Altman, B., & Co., New York, N. Y. Lingerie for women and misses. 342,572; Jan. 19; Serial No. 382,704; published Nov. 3, 1936. Class 39.
American Art Clay Company, Indianapolis, Ind. Modeling clay. 342,650; Jan. 19. Class 1.
American Automobile Association, Incorporated, Washington, D. C. Ash trays. 342,479; Jan. 19; Serial No. 382,026; published Nov. 3, 1936. Class 8.
American Thread Company, The, New York, N. Y. Woolen and worsted threads and yarns. 342,634; Jan. 19; Serial No. 382,901; published Oct. 27, 1936. Class 43.
American Tobacco Company, The, New York, N. Y. Cigarettes. 342,606; Jan. 19; Serial No. 383,152; published Nov. 3, 1936. Class 17.
Angell, Albert, doing business as Glenayre Feeds, Burlington, Wis. Poultry feeds. 342,508; Jan. 19; Serial No. 382,259; published Nov. 10, 1936. Class 46.
Anitra, Inc., New York, N. Y. Coats and suits. 342,447; Jan. 19; Serial No. 381,745; published Nov. 3, 1936. Class 39.
Ault-Williamson Shoe Co., Auburn, Maine. Shoes. 342,421; Jan. 19; Serial No. 380,609; published Oct. 6, 1936. Class 39.
Ault-Williamson Shoe Co., Auburn, Maine. Shoes. 342,461; Jan. 19; Serial No. 381,253; published Nov. 10, 1936. Class 39.
Avery, Henry C., Philadelphia, Pa. Mats for facilitating the growth of plants. 342,416; Jan. 19; Serial No. 380,743; published Nov. 10, 1936. Class 50.
Barnes & Leverette, Medford, Oreg. Canned fruits and fresh deciduous fruits. 342,492; Jan. 19; Serial No. 379,598; published Nov. 10, 1936. Class 46.
Beardsley & Wolcott Manufacturing Company, The, Waterbury, Conn. Electric curling irons. 342,425; Jan. 19; Serial No. 380,431; published Nov. 10, 1936. Class 21.
Beatrice Creamery Company, Chicago, Ill. Frozen confections. 342,585; Jan. 19; Serial No. 383,050; published Nov. 10, 1936. Class 46.
Beautiful Hair & Beauty Counsel Publishing Co. (See Karp, Joseph H.)
Beckerman & Monasson, Inc., New York, N. Y. Fur coats, fur capes, fur collars, etc. 342,444; Jan. 19; Serial No. 379,730; published Nov. 10, 1936. Class 39.
Beech-Nut Packing Company, Canajoharie, N. Y. Candy. 342,583; Jan. 19; Serial No. 383,082; published Nov. 10, 1936. Class 46.
Behrman, Bertha, doing business as Alexander Doll Co. and Madame Alexander, New York, N. Y. Dolls. 342,539; Jan. 19; Serial No. 374,274; published Apr. 21, 1936. Class 22.
Behrman, Bertha, doing business as Alexander Doll Co. and Madame Alexander, New York, N. Y. Dolls. 342,540–1; Jan. 19; Serial Nos. 374,271–2; published Apr. 21, 1936. Class 22.
Behrman, Bertha, doing business as Alexander Doll Co. and Madame Alexander, New York, N. Y. Dolls. 342,542; Jan. 19; Serial No. 374,269; published Apr. 21, 1936. Class 22.
Belle Knitting Corp., New York, N. Y. Children's underwear. 342,420; Jan. 19; Serial No. 380,611; published Nov. 10, 1936. Class 39.
Ben Hur Products, Inc., New York, N. Y. Hair ornaments. 342,530; Jan. 19; Serial No. 382,123; published Oct. 13, 1936. Class 40.
Berriman Brothers, Inc., Tampa, Fla. Cigars. 342,614; Jan. 19; Serial No. 382,818; published Nov. 3, 1936. Class 17.
Bertotti, John, doing business as J. Bertotti and Company, Detroit, Mich. Macaroni, spaghetti, and macaroni and spaghetti products. 342,458; Jan. 19; Serial No. 381,397; published Nov. 10, 1936. Class 46.
Bickel, J. Jay, doing business as Master Shaving Cream Co., Minneapolis, Minn. Shaving cream. 342,605; Jan. 19; Serial No. 383,158; published Nov. 3, 1936. Class 4.
Biltmore Manufacturing Company, The, Cincinnati, Ohio. Automobile seat covers. 342,626; Jan. 19; Serial No. 383,345; published Nov. 10, 1936. Class 32.
Blach, J., & Sons, Inc., doing business as Klothes Shoppe, Birmingham, Ala. Coats, vests, overcoats, etc. 342,523; Jan. 19; Serial No. 375,042; published Oct. 6, 1936. Class 39.
Bliss, Murray J., doing business as Glass-Glow Company, Indianapolis, Ind. Liquid preparation for cleaning and polishing glass and glass surfaces, etc. 342,529; Jan. 19; Serial No. 382,150; published Nov. 3, 1936. Class 4.
Bloomingdale Bros., Inc., New York, N. Y. Pipes. 342,477; Jan. 19; Serial No. 381,962; published Nov. 3, 1936. Class 8.
Botany Worsted Mills, Passaic, N. J. Packages containing cut lengths of piece goods and art needlework yarns for making articles of wearing apparel. 342,456; Jan. 19; Serial No. 381,523; published Nov. 10, 1936. Class 40.
Brauer Bros. Shoe Company, St. Louis, Mo. Women's shoes. 342,534; Jan. 19; Serial No. 382,505; published Nov. 3, 1936. Class 39.
Brockman, Ben, Inc., New York, N. Y. Ladies' wearing apparel of fur. 342,509; Jan. 19; Serial No. 382,200; published Oct. 27, 1936. Class 39.
Brooks Packing Co., Inc., Fernandina, Fla. Canned shrimp. 342,443; Jan. 19; Serial No. 379,732; published Nov. 3, 1936. Class 46.
Buchet Fils et Charles Colcombet, Lyon, France. Embroidered neckties. 342,557; Jan. 19; Serial No. 353,844; published Mar. 3, 1936. Class 39.
Burke & James, Inc., Chicago, Ill. Electric light bulbs. 342,660; Jan. 19. Class 21.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal preparation. 342,528; Jan. 19; Serial No. 382,375; published Nov. 3, 1936. Class 6.
Buscarlet Glove Company Inc., New York, N. Y. Leather gloves. 342,438; Jan. 19; Serial No. 382,113; published Nov. 10, 1936. Class 39.
California Pea Products, Inc., Fullerton, Calif. Canned vegetables, canned vegetable juices. 342,569; Jan. 19; Serial No. 383,718; published Nov. 10, 1936. Class 46.
Carroll, Joseph P., doing business as Ever There Lab., New York, N. Y. Cosmetics. 342,422; Jan. 19; Serial No. 380,499; published Nov. 3, 1936. Class 6.
Carroon & Company, Fowler, Ind. Tomato juice. 342,415; Jan. 19; Serial No. 380,756; published Nov. 10, 1936. Class 46.
Carson Pirie Scott & Company, Chicago, Ill. Shorts. 342,525; Jan. 19; Serial No. 382,422; published Nov. 3, 1936. Class 39.
Carter Macy Tea and Coffee Co., Inc., New York, N. Y. Tea. 342,613; Jan. 19; Serial No. 382,820; published Nov. 10, 1936. Class 46.
Casares, Manual Z., Yucatan, Mexico. Binder twine, rope, and cords. 342,470; Jan. 19; Serial No. 377,773; published Nov. 10, 1936. Class 7.
Celluloid Corporation, Newark, N. J. Wrapping and packaging material. 342,426; Jan. 19; Serial No. 380,343; published Nov. 3, 1936. Class 37.
Chapman, Harry J., doing business as Chappy Craft Industries, Chelsea, Mich. Board game. 342,577; Jan. 19; Serial No. 382,938; published Nov. 10, 1936. Class 22.
Chappy Craft Industries. (See Chapman, Harry J.)
Chicago Mail Order Company, Chicago, Ill. Women's and misses' coats. 342,564; Jan. 19; Serial No. 383,469; published Nov. 3, 1936. Class 39.
Chicago Rubber Clothing Company, Racine, Wis. Raincoats. 342,483; Jan. 19; Serial No. 382,086; published Oct. 6, 1936. Class 39.
Chicago X-Ray Film & Mount Co. (See Rinn, Irwin C.)
Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland. Cocoa, chocolate, chocolate candy. 342,474; Jan. 19; Serial No. 377,299; published Nov. 3, 1936. Class 46.
Christy, Kay. (See Speik, Frederick A.)
Cluff & Pickering, Ltd., New York, N. Y., Glasgow, Scotland, and Manchester, England. Whiskey. 342,654; Jan. 19. Class 49.
Cohn, Nat, doing business as Modern Vending Company, New York, N. Y. Coin operated vending and amusement devices. 342,434; Jan. 19; Serial No. 382,343; published Nov. 10, 1963. Class 23.
Collingbourne Mills, Inc., Elgin, Ill. Aprons, golf jackets, fishermen's capes, etc. 342,449; Jan. 19; Serial No. 381,711; published Oct. 6, 1936. Class 39.
Collins, D. A., Mfg. Co., Inc., Brooklyn, N. Y. Window cleaning preparations. 342,637; Jan. 19; Serial No. 382,658; published Nov. 3, 1936. Class 4.
Costikyan, Kent R., New York, N. Y. Desk pads. 342,497; Jan. 19; Serial No. 381,800; published Nov. 3, 1936. Class 37.
Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 342,629; Jan. 19; Serial No. 383,260; published Nov. 10, 1936. Class 37.
Curlee Clothing Company, St. Louis, Mo. Men's and boys' suits. 342,609; Jan. 19; Serial No. 383,125; published Nov. 3, 1936. Class 39.
Curtiss 1000 Inc., St. Paul, Minn. Envelopes. 342,493; Jan. 19; Serial No. 379,605; published Nov. 3, 1936. Class 37.
Davidson Biscuit Company, Mount Vernon, Ill. Biscuits. 342,652; Jan. 19. Class 46.
Dean & Slierk Co., Incorporated, Lawrenceburg, Ky. Container for sewing thread. 342,515; Jan. 19; Serial No. 376,946; published Nov. 10, 1936. Class 2.
De Raymond. (See Fay, Edward J.)
Dixie Stores, Incorporated, Greenville, S. C. Wheat flour. 342,633; Jan. 19; Serial No. 382,908; published Nov. 10, 1936. Class 46.

Draper Hat Corporation, New York, N. Y. Ladies' hats. 342,547; Jan. 19; Serial No. 373,204; published Mar. 17, 1936. Class 39.
Easling, Newton P., Pekin, Ill. Insect proofing paint. 342,582; Jan. 19; Serial No. 383,089; published Nov. 10, 1936. Class 16.
Eat-A-Nut Products Company. (See George, George D.)
Electro-Acoustic Products Company, Fort Wayne, Ind. Electric phonograph machines, amplifier, turn table, etc. 342,490; Jan. 19; Serial No. 379,188; published Nov. 10, 1936. Class 36.
Empire State Wine Co., Inc., Penn Yan, N. Y. Wines. 342,546; Jan. 19; Serial No. 373,250; published Nov. 10, 1936. Class 47.
Eppens, Smith Company, Inc., New York, N. Y. Coffee. 342,578; Jan. 19; Serial No. 382,947; published Nov. 10, 1936. Class 46.
Eppley Laboratory, Inc., The, Newport, R. I. Pyrometer standard cells. 342,591; Jan. 19; Serial No. 382,790; published Nov. 10, 1936. Class 26.
Erickson Food Products Co., Minneapolis, Minn. Peanut butter. 342,594; Jan. 19; Serial No. 382,749; published Nov. 3, 1936. Class 46.
Ever There Lab. (See Carroll, Joseph P.)
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils, colored and copying pencils, pencil holders, etc. 342,467; Jan. 19; Serial No. 378,361; published Nov. 10, 1936. Class 37.
Farm King Packing Company, Inc., Fredonia, N. Y. Tomato products. 342,553; Jan. 19; Serial No. 369,346; published Nov. 3, 1936. Class 46.
Fay, Edward J., doing business as De Raymond, New York, N. Y. Perfumes, toilet waters, colognes, etc. 342,424; Jan. 19; Serial No. 380,474; published Nov. 3, 1936. Class 6.
Ferris Shoe Mfg. Co., Souderton, Pa. Shoes. 342,480; Jan. 19; Serial No. 382,048; published Oct. 13, 1936. Class 39.
Filice & Perrelli Canning Company, Inc., Richmond, Calif. Preparation made from various fruits, berries, and vegetables. 342,568; Jan. 19; Serial No. 383,618; published Nov. 10, 1936. Class 46.
Filice and Perrelli Canning Company, Inc., Richmond, Calif. Preparation made from various fruits, berries, and vegetables. 342,644; Jan. 19. Class 46.
Fulton Bag & Cotton Mills, Atlanta, Ga. Waterproof cloth. 342,538; Jan. 19; Serial No. 374,516; published Nov. 10, 1936. Class 50.
Gaines, Clarence F., doing business as The Gaines Food Company, Sherburne, N. Y. Dog food. 342,441; Jan. 19; Serial No. 379,839; published Nov. 3, 1936. Class 46.
Gargle, O., Co., The. (See Ownby, Warren D.)
Gatterdam, Eugene A., doing business as Allergy Clinic, Phoenix, Ariz. Medicinal preparation. 342,486; Jan. 19; Serial No. 378,695; published Nov. 3, 1936. Class 6.
Geier, P. A., Company, The, Cleveland, Ohio. Electrically operated suction cleaners. 342,473; Jan. 19; Serial No. 377,353; published Nov. 10, 1936. Class 21.
Geier, P. A., Company, The, Cleveland, Ohio. Electrically operated suction cleaners and parts thereof and attachments and accessories therefor. 342,513; Jan. 19; Serial No. 377,219; published Nov. 10, 1936. Class 21.
General Chemical Company, New York, N. Y. Insecticides, fungicides, and preparations for control of plant pests. 342,429; Jan. 19; Serial No. 380,198; published Nov. 3, 1936. Class 6.
General Dairy Products Co. (See Negri, Anton C.)
General Mills, Inc., Minneapolis, Minn. Cereal food products. 342,440; Jan. 19; Serial No. 379,928; published Nov. 10, 1936. Class 46.
General Pencil Company, Jersey City, N. J. Wood cased pencils. 342,573; Jan. 19; Serial No. 382,717; published Nov. 10, 1936. Class 37.
George, George D., doing business as Eat-A-Nut Products Company, Beckley, W. Va. Salted nut meats, salted peanuts, salted cashew nuts, etc. 342,459; Jan. 19; Serial No. 381,360; published Nov. 3, 1936. Class 46.
Glelow, J. J., & Sons, Inc., Detroit, Mich. Canned fruits and vegetables, salad dressing. 342,472; Jan. 19; Serial No. 377,392; published Nov. 10, 1936. Class 46.
Gimbel Brothers, Inc., New York, N. Y. Suits and overcoats. 342,567; Jan. 19; Serial No. 383,503; published Nov. 10, 1936. Class 39.
Glass-Glow Company. (See Bliss, Murray J.)
Glenayre Feeds. (See Angell, Albert.)
Glover, H. Clay, Company, Inc., New York, N. Y. Insecticide. 342,484; Jan. 19; Serial No. 382,092; published Nov. 3, 1936. Class 6.
Goldberger, Leo J., New York, N. Y. Children's dresses, blouses, and jumpers. 342,656; Jan. 19. Class 39.
Goleta Lemon Association, Goleta, Calif. Fresh citrus fruits. 342,469; Jan. 19; Serial No. 378,201; published Nov. 10, 1936. Class 46.
Graham, Robert C., doing business as Graham Farms, Washington, Ind. Dog food. 342,409; Jan. 19; Serial No. 381,127; published Nov. 3, 1936. Class 46.
Grand Rapids Fibre Cord Co., doing business as Sackner Bag Co., Grand Rapids, Mich. Sacks or bags. 342,518; Jan. 19; Serial No. 376,200; published Nov. 10, 1936. Class 2.
Grand Union Tea Company, New York, N. Y. Antiseptic preparation. 342,589; Jan. 19; Serial No. 383,013; published Nov. 3, 1936. Class 6.
Grossman, I., & Son, Inc., New York, N. Y. Women's and misses' coats and suits. 342,596; Jan. 19; Serial No. 382,593; published Nov. 3, 1936. Class 39.
Hat Corporation of America, Norwalk, Conn. Felt and fabric hats. 342,551; Jan. 19; Serial No. 370,309; published Oct. 6, 1936. Class 39.
Hawley Products Company, St. Charles, Ill. Hats. 342,548; Jan. 19; Serial No. 371,921; published Nov. 10, 1936. Class 39.
Herbert Candy Company, Philadelphia, Pa. Candy. 342,612; Jan. 19; Serial No. 382,870; published Nov. 10, 1936. Class 46.
Her Majesty Underwear Co., Philadelphia, Pa. Women's nightgowns. 342,608; Jan. 19; Serial No. 383,130; published Nov. 3, 1936. Class 39.
Herman, I. C., & Company, Inc., New York, N. Y. Men's handkerchiefs. 342,659; Jan. 19. Class 39.
Hershkovitz, Frank, & Gottlieb, Inc., New York, N. Y. Fur skins. 342,488; Jan. 19; Serial No. 378,997; published Nov. 3, 1936. Class 1.
Hi-Li Sales Co., Philadelphia, Pa. Game. 342,431; Jan. 19; Serial No. 380,103; published Nov. 10, 1936. Class 22.
Hirsh, Abraham, Inc., New York, N. Y. Trimmings, ornaments, and buckles. 342,460; Jan. 19; Serial No. 381,310; published Nov. 10, 1936. Class 40.
Hodes-Daniel Co., Inc., New York, N. Y. Paper envelopes. 342,636; Jan. 19; Serial No. 382,666; published Nov. 3, 1936. Class 37.
Hollywood Knitting Mills, Inc., Los Angeles, Calif. Knitted sweaters, coats, and vests. 342,588; Jan. 19; Serial No. 383,017; published Oct. 27, 1936. Class 39.
Hollywood-Maxwell Co., Los Angeles, Calif. Brassières. 342,506; Jan. 19; Serial No. 382,220; published Nov. 3, 1936. Class 39.
Hollywood-Maxwell Co., Los Angeles, Calif. Brassières. 342,510; Jan. 19; Serial No. 382,216; published Nov. 3, 1936. Class 39.
Hollywood-Maxwell Co., Los Angeles, Calif. Brassières. 342,511–12; Jan. 19; Serial Nos. 382,218–19; published Nov. 3, 1936. Class 39.
Huse, W. D., & Sons, Laconia, N. H. Meat cutting machines. 342,623; Jan. 19; Serial No. 383,434; published Nov. 10, 1936. Class 23.
Indiana Seel & Wire Company, Muncie, Ind. Iron and steel wire. 342,607; Jan. 19; Serial No. 383,131; published Nov. 10, 1936. Class 21.
Industrial Hosiery Mills, Inc., Mohnton, Pa. Stockings. 342,498; Jan. 19; Serial No. 381,812; published Nov. 10, 1936. Class 39.
International Printing Ink Corporation, New York, N. Y. Coated paper and coated paper board. 342,454; Jan. 19; Serial No. 381,621; published Nov. 3, 1936. Class 37.
International Vacuum Cleaner Co. (See Lodge, James R.)
Interstate Cotton Oil Refining Co., Sherman, Tex. Flaked hydrogenated cottonseed oil. 342,471; Jan. 19; Serial No. 377,394; published Nov. 3, 1936. Class 46.
Isaacs, I. C., & Company, Inc., Baltimore, Md. Breeches, jodhpurs, pants, etc. 342,581; Jan. 19; Serial No. 383,097; published Nov. 3, 1936. Class 39.
Isaacson, L., & Sons, Inc., New York, N. Y. Boys' suits. 342,485; Jan. 19; Serial No. 378,522; published Nov. 10, 1936. Class 39.
Island Creek Coal Sales Company, Cincinnati, Ohio. Coal. 342,535; Jan. 19; Serial No. 382,474; published Nov. 10, 1936. Class 1.
Johnson Educator Food Company, Cambridge, Mass. Biscuits and crackers. 342,570; Jan. 19; Serial No. 383,772; published Nov. 10, 1936. Class 46.
Johnson, H. A., Company, Boston, Mass. Food products. 342,641; Jan. 19. Class 46.
Josselson Bros., Inc., Ashland, Ky. Whiskey, gin, rum, etc. 342,640; Jan. 19. Class 49.
Karp, Joseph H., doing business as Beautiful Hair & Beauty Counsel Publishing Co., New York, N. Y. Magazine. 342,411; Jan. 19; Serial No. 381,033; published Nov. 3, 1936. Class 38.
Keller-Dorian Paper Co., Inc., New York, N. Y. Metal foils. 342,419; Jan. 19; Serial No. 380,645; published Nov. 3, 1936. Class 14.
Kimberly-Clark Corporation, Neenah, Wis. Shoe counter material in the nature of artificial leather. 342,611; Jan. 19; Serial No. 382,875; published Nov. 10, 1936. Class 50.
Kirby, Block & Fischer, Inc., New York, N. Y. Razor blades. 342,625; Jan. 19; Serial No. 383,359; published Nov. 10, 1936. Class 23.
Klothes Shoppe. (See Blach, J., & Sons, Inc.)
Knapp-Monarch Company, doing business as Kwikway Company, St. Louis, Mo. Electric curling irons, whippers, food mixers, etc. 342,446; Jan. 19; Serial No. 381,769; published Nov. 10, 1936. Class 21.
Kress, S. H., and Company, New York, N. Y. Auto top dressing, oil stones, sand paper, etc. 342,622; Jan. 19; Serial No. 383,435; published Nov. 10, 1936. Class 4.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Beef. 342,552; Jan. 19; Serial No. 370,006; published Nov. 10, 1936. Class 46.
Krumholz & Lichtblau, New York, N. Y. Ladies' and children's underwear. 342,632; Jan. 19; Serial No. 382,919; published Oct. 27, 1936. Class 39.

Kwikway Company. (See Knapp-Monarch Comany.)
Laboratorios Higia, S. A., Mexico D. F., Mexico. Medicinal tonic and dietetic vegetable preparation. 342,435; Jan. 19; Serial No. 382,316; published Nov. 3, 1936. Class 6.
Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. 342,621; Jan. 19; Serial No. 383,437; published Nov. 10, 1936. Class 39.
Land O' The Sky Mutual Association, Inc., Waynesville, N. C. Canned vegetables. 342,500; Jan. 19; Serial No. 381,860; published Nov. 3, 1936. Class 46.
Latin, Harry G., doing business as Air City Potato Chip Co., Dayton, Ohio. Potato chips. 342,476; Jan. 19; Serial No. 381,955; published Nov. 3, 1936. Class 46.
Laymon, Herman B., doing business as World's Products Company, Spencer, Ind. Shoe laces. 342,433; Jan. 19; Serial No. 382,357; published Nov. 3, 1936. Class 40.
Lazarus, Max, & Sons, Inc., Baltimore, Md. Canned dog and cat food. 342,619; Jan. 19; Serial No. 382,598; published Nov. 10, 1936. Class 46.
Le Boeuf, George H., Manitowoc, Wis. Automobile luggage racks. 342,463; Jan. 19; Serial No. 381,209; published Nov. 10, 1936. Class 19.
Lewin, A. M., Lumber Co., The, Cincinnati and Madisonville, Cincinnati, Ohio. Wooden display racks. 342,655; Jan. 19. Class 32.
Lewis Grocer Co., The, Lexington, Indianola, and Durant, Miss. Wheat flour, canned tomatoes, spaghetti, etc. 342,517; Jan. 19; Serial No. 376,852; published Nov. 3, 1936. Class 46.
Lewis, Nat, Purses, Inc., New York, N. Y. Gloves, hosiery, belts, etc. 342,412; Jan. 19; Serial No. 380,997; published Nov. 10, 1936. Class 39.
Lodge, James R., doing business as International Vacuum Cleaner Co., Wheeling, W. Va. Electric motor equipped and operated hand steered type vacuum sweeper. 342,481; Jan. 19; Serial No. 382,058; published Nov. 10, 1936. Class 21.
Lord, Arthur S., New York, N. Y. Game. 342,628; Jan. 19; Serial No. 383,314; published Nov. 10, 1936. Class 22.
Lupomatic Tumbling Machine Co., Inc., New York, N. Y. Tumbling, burnishing, and polishing compounds, polishing creams, pegs, etc. 342,624; Jan. 19; Serial No. 383,364; published Nov. 10, 1936. Class 4.
Lures, Hoefer, Minneapolis, Minn. Fishing tackle. 342,635; Jan. 19; Serial No. 382,702; published Nov. 10, 1936. Class 22.
Madame Alexander. (See Behrman, Bertha.)
Maid-Rite Shoulder Strap Co. (See Silverman, Sol.)
Makransky, S., & Sons, Philadelphia, Pa., assignor to Rogers Peet Company, New York, N. Y. Suits, coats, vests, etc. 342,520; Jan. 19; Serial No. 375,217; published Apr. 28, 1936. Class 39.
Malkasher, Nat, New York, N. Y. Blouses, dresses, culottes, etc. 342,455; Jan. 19; Serial No. 381,568; published Oct. 27, 1936. Class 39.
Malz, Herman, New York, N. Y. Decorated sheets for application to panes of glass, etc. 342,638; Jan. 19; Serial No. 382,644; published Nov. 10, 1936. Class 37.
March of Fashion, Inc., New York, N. Y. Women's and misses' dresses. 342,579; Jan. 19; Serial No. 382,957; published Nov. 10, 1936. Class 39.
Marks & Lipman, Inc., New York, N. Y. Women's and misses' suits, coats, and dresses. 342,600; Jan. 19; Serial No. 382,563; published Nov. 3, 1936. Class 39.
Marshall Field & Company, Chicago, Ill. Suits and overcoats, hats, etc. 342,494; Jan. 19; Serial No. 379,610; published Oct. 6, 1936. Class 39.
Master Shaving Cream Co. (See Bickel, J. Jay.)
Matthews, Jas. H., & Co., Pittsburgh, Pa. Stamping and embossing dies. 342,647–8; Jan. 19. Class 23.
May Department Stores Company, The, New York, N. Y.; Los Angeles, Calif.; Denver, Colo.; St. Louis, Mo.; Akron and Cleveland, Ohio; and Baltimore, Md. Corsets, girdles, and other foundation garments. 342,445; Jan. 19; Serial No. 381,773; published Oct. 13, 1936. Class 39.
Mendelblatt & Goldstein, New York, N. Y. Fur skins, and parts thereof. 342,432; Jan. 19; Serial No. 380,012; published Nov. 3, 1936. Class 1.
Menendez y Compañia, S. en C., Habana, Cuba. Cigars. 342,555; Jan. 19; Serial No. 367,832; published Nov. 10, 1936. Class 17.
Mennen Company, The, Newark, N. J. Soap. 342,514; Jan. 19; Serial No. 377,189; published Nov. 3, 1936. Class 4.
Merriam, H. W., Shoe Company, The, Baltimore, Md. Shoes. 342,502; Jan. 19; Serial No. 381,895; published Oct. 6, 1936. Class 39.
Metallurgical Products Company. (See Wilenchik, Israel W.)
Midway Chemical Co., Chicago, Ill. Mops, brooms, dusters, etc. 342,462; Jan. 19; Serial No. 381,232; published Nov. 3, 1936. Class 29.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. 342,503; Jan. 19; Serial No. 381,914; published Nov. 10, 1936. Class 46.
Modern Merchandising Bureau, Inc., New York, N. Y. Hats and caps; scarfs, underwear, etc. 342,457; Jan. 19; Serial No. 381,492; published Nov. 10, 1936. Class 39.
Modern Vending Company. (See Cohn, Nat.)
Moss, Samuel H., Inc., New York, N. Y. Rubber printing stamps. 342,562; Jan. 19; Serial No. 382,958; published Nov. 3, 1936. Class 37.
Moto-Sway Corporation, New York, N. Y. Machine to measure and stretch knitted garments. 342,453; Jan. 19; Serial No. 381,683; published Nov. 10, 1936. Class 26.
Naamlooze Vennootschap Droste's Cacao- en Chocoladefabrieken, Haarlem, Netherlands. Cocoa, chocolate, and chocolates and candies. 342,499; Jan. 19; Serial No. 381,840; published Nov. 10, 1936. Class 46.
National Fruit and Vegetable Exchange, Inc., New York, N. Y. Fresh fruits and vegetables. 342,522; Jan. 19; Serial No. 375,160; published Nov. 10, 1936. Class 46.
National Glove Company, The, Columbus, Ohio. Gloves. 342,413; Jan. 19; Serial No. 380,919; published Oct. 6, 1936. Class 39.
Nation Wide Papers, Inc., Chicago, Ill. Writing paper and duplicating machine paper. 342,549; Jan. 19; Serial No. 371,439; published Nov. 3, 1936. Class 37.
Negri, Anton C., doing business as General Dairy Products Co., Chicago, Ill. Dehydrated milk and dehydrated chocolate. 342,556; Jan. 19; Serial No. 356,634; published Nov. 10, 1936. Class 46.
Nichols Copper Company, New York, N. Y. Fungicide. 342,604; Jan. 9; Serial No. 383,177; published Nov. 3, 1936. Class 6.
Nielsen, Bertram, doing business as Pacific Nut Co., Seattle, Wash. Vegetable oil product. 342,468; Jan. 19; Serial No. 378,262; published Nov. 10, 1936. Class 46.
Norcross, New York, N. Y. Composite strips of slit cellulose film forming a ribbon. 342,545; Jan. 19; Serial No. 373,646; published Nov. 10, 1936. Class 37.
North Carolina Fabrics Corporation, Salisbury, N. C. Dresses. 342,590; Jan. 19; Serial No. 382,959; published Nov. 3, 1936. Class 39.
Northern Paper Mills, Green Bay, Wis. Toilet (tissue) paper. 342,603; Jan. 19; Serial No. 383,200; published Nov. 3, 1936. Class 37.
Oceanic Fisheries Company, Inc., Seattle, Wash. Salt cured herring. 342,442; Jan. 19; Serial No. 379,758; published Nov. 10, 1936. Class 46.
Olcovich, Emil, Los Angeles, Calif. Shoes. 342,466; Jan. 19; Serial No. 378,493; published Oct. 6, 1936. Class 39.
Orthopedic Shoes, Inc., Portsmouth, Ohio. Women's shoes. 342,464; Jan. 19; Serial No. 381,169; published Nov. 10, 1936. Class 39.
Owen, Charles A., Geneva, N. Y. Syrups for sundaes, milk beverages, and cake frostings. 342,593; Jan. 19; Serial No. 382,765; published Nov. 10, 1936. Class 46.
Ownby, Warren D., doing business as The O. Gargle Co., Tulsa, Okla. Antiseptic gargle and mouth wash. 342,527; Jan. 19; Serial No. 382,392; published Nov. 3, 1936. Class 6.
Pacific Nut Co. (See Nielsen, Bertram.)
Palter De Liso, Inc., New York, N. Y. Ladies' shoes. 342,436; Jan. 19; Serial No. 382,305; published Nov. 3, 1936. Class 39.
Paramount Distilling Corporation, Chicago, Ill. Whiskey. 342,643; Jan. 19. Class 49.
Pioneer Gen-E-Motor Corporation, Chicago, Ill. Dynamotors, generators, inverted rotary convertors, etc. 342,559; Jan. 19; Serial No. 374,601; published Nov. 10, 1936. Class 21.
Poirette Corsets, Inc., New York, N. Y. Girdles, corsets, brassières, etc. 342,410; Jan. 19; Serial No. 381,046; published Oct. 6, 1936. Class 39.
Pootatuck Corporation, The, Stratford, Conn. Lawn mowers. 342,507; Jan. 19; Serial No. 382,238; published Nov. 10, 1936. Class 23.
Press Brothers Dress Corporation, Hummelstown, Pa. Dresses and smocks, uniforms, etc. 342,418; Jan. 19; Serial No. 380,661; published Oct. 6, 1936. Class 39.
Proctor, Maurice E., doing business as Proctors Products Co., New Haven, Conn. Shaving cream. 342,571; Jan. 19; Serial No. 383,782; published Nov. 10, 1936. Class 4.
Protopapas, Demetrios N., New York, N. Y. Laxative preparation. 342,595; Jan. 19; Serial No. 382,740; published Nov. 3, 1936. Class 6.
Rathje, Karl L., Wheaton, Ill. Candies. 342,599; Jan. 19; Serial No. 382,568; published Nov. 10, 1936. Class 46.
Regensburg, E., & Sons, New York, N. Y. Cigars. 342,630–1; Jan. 19; Serial Nos. 382,929–30; published Nov. 3, 1936. Class 17.
Rex-Watson Corporation, Canastota, N. Y. School and passenger bus bodies, and trucks. 342,639; Jan. 19. Class 19.
Reynolds Metals Company, Inc., New York, N. Y. Wrapping material. 342,504; Jan. 19; Serial No. 381,949; published Nov. 3, 1936. Class 37.
Richardson & Boynton Company, New York, N. Y. Domestic heating boilers. 342,505; Jan. 19; Serial No. 381,950; published Nov. 10, 1936. Class 34.
Rinn, Irwin C., doing business as Chicago X-Ray Film & Mount Co., Chicago, Ill. Film mounts and film holders. 342,649; Jan. 19. Class 26.
Riverbank Canning Company, Riverbank, Calif. Food products. 342,537; Jan. 19; Serial No. 382,176; published Nov. 10, 1936. Class 46.

Robert Enterprises, Inc., New York, N. Y. Toilet soaps. 342,550; Jan. 19; Serial No. 370,839; published Dec. 17, 1935. Class 4.
Rogers Peet Company. (See Makransky, S., & Sons.)
Rogers Peet Company, New York, N. Y. Men's clothing and shoes. 342,452; Jan. 19; Serial No. 381,692; published Nov. 10, 1936. Class 39.
Rosenblatt, David, Passaic, N. J. Dresses, hats, and coats. 342,428; Jan. 19; Serial No. 380,225; published Oct. 13, 1936. Class 39.
Rosenblum, Nathan, & Company, Sharon, Pa. Canned fruits, canned vegetables, coffee, etc. 342,519; Jan. 19; Serial No. 375,225; published Nov. 10, 1936. Class 46.
Rubber-Gel Products Corporation, North Quincy, Mass. Rubber boots, heels, and soles. 342,482; Jan. 19; Serial No. 382,065; published Oct. 13, 1936. Class 39.
Ruhmann Grain & Seed Company, Waco, Tex. Field and garden seeds. 342,563; Jan. 19; Serial No. 383,449; published Nov. 10, 1936. Class 1.
Ruhmann Grain & Seed Company, Waco, Tex. Field and garden seeds. 342,580; Jan. 19; Serial No. 383,448; published Nov. 10, 1936. Class 1.
Ruhmann Grain & Seed Company, Waco, Tex. Field and garden seeds. 342,620; Jan. 19; Serial No. 383,447; published Nov. 10, 1936. Class 1.
Sackner Bag Co. (See Grand Rapids Fibre Cord Co.)
St. Charles Winery. (See Somers, Charles.)
Salinas Land Company, Ventura, Calif. Dried vegetables. 342,478; Jan. 19; Serial No. 382,006; published Nov. 3, 1936. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Boots and shoes. 342,427; Jan. 19; Serial No. 380,311; published Oct. 6, 1936. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Therapeutic electric lamps. 342,437; Jan. 19; Serial No. 382,292; published Nov. 10, 1936. Class 44.
Sears, Roebuck and Co., Chicago, Ill. Electric ranges. 342,602; Jan. 19; Serial No. 383,232; published Nov. 10, 1936. Class 21.
Security Products Company, Los Angeles, Calif. Telephone index. 342,448; Jan. 19; Serial No. 381,730; published Nov. 3, 1936. Class 37.
Seelbach, K. C., Co., Inc., New York, N. Y. Plates for meatchoppers. 342,645; Jan. 19. Class 23.
Selby Shoe Co., The, Portsmouth, Ohio. Women's shoes. 342,501; Jan. 19; Serial No. 381,881; published Oct. 6, 1936. Class 39.
Shane, C. B., Corporation, Chicago, Ill. Overcoats and topcoats. 342,627; Jan. 19; Serial No. 383,327; published Nov. 3, 1936. Class 39.
Sharon Store Company, The, doing business as "Yvonne Laru", Sharon, Pa. All purpose cream, all purpose lotion, cold cream, etc. 342,536; Jan. 19; Serial No. 382,181; published Nov. 3, 1936. Class 6.
Silverman, Sol, doing business as Maid-Rite Shoulder Strap Co., New York, N. Y. Shoulder straps for ladies' undergarments. 342,496; Jan. 19; Serial No. 381,787; published Nov. 10, 1936. Class 40.
Sinagnan, Frances, et Cie, Inc., New York, N. Y. Candies. 342,587; Jan. 19; Serial No. 383,035; published Nov. 10, 1936. Class 46.
Snyder, Gustave W., doing business as The Superior Confection Company, Columbus, Ohio. Rifle range apparatus. 342,576; Jan. 19; Serial No. 382,933; published Oct. 27, 1936. Class 22.
Società Anonima Snia-Viscosa, Società Nazionale Industria Applicazioni Viscosa, The, Turin, Italy. Artificial textile fibres in staples, having opaque appearance. 342,495; Jan. 19; Serial No. 379,642; published Nov. 3, 1936. Class 1.
Société Vinicole de Champagne, Paris and Reims, France. Sparkling wines, perry, and alcoholic cider. 342,560; Jan. 19; Serial No. 375,028; published Nov. 10, 1936. Class 47.
Somers, Charles, doing business as St. Charles Winery, Grapeview, Wash. Wine. 342,423; Jan. 19; Serial No. 380,483; published Nov. 10, 1936. Class 47.
Somerset Shoe Company, Auburn, Maine. Shoes. 342,414; Jan. 19; Serial No. 380,850; published Nov. 10, 1936. Class 39.
Southeastern Clay Company, Aiken, S. C. Clay. 342,574; Jan. 19; Serial No. 382,727; published Nov. 10, 1936. Class 1.
Southern Friction Materials Company, Charlotte, N. C. Brake lining. 342,487; Jan. 19; Serial No. 378,906; published Nov. 10, 1936. Class 35.
Spelk, Frederick A., doing business as Kay Christy, Los Angeles, Calif. Dresses, suits, blouses, etc. 342,598; Jan. 19; Serial No. 382,573; published Nov. 3, 1936. Class 39.
Standard Insulation Company, East Rutherford, N. J. Oiled canvas, oiled duck, oiled cambric, etc. 342,439; Jan. 19; Serial No. 382,104; published Nov. 3, 1936. Class 50.
Standard Spirits Corporation, Boston, Mass. Alcohol and grain alcohol. 342,646; Jan. 19. Class 49.
Stanley, John T., Co. Inc., New York, N. Y. Soap. 342,597; Jan. 19; Serial No. 382,575; published Nov. 3, 1936. Class 4.
Stetson, G. Henry, San Fernando, Calif. Hats and caps. 342,618; Jan. 19; Serial No. 382,639; published Nov. 3, 1936. Class 39.
Stevens & Thompson Paper Company, New York, N. Y. Toilet paper. 342,610; Jan. 19; Serial No. 383,109; published Nov. 3, 1936. Class 37.
Stone House Farm, Inc., Durham, N. H. Preserved vegetables and fruits, jams, etc. 342,430; Jan. 19; Serial No. 380,161; published Nov. 10, 1936. Class 46.
Street, R. R., & Co., Inc., Chicago, Ill. Dry cleaning soap. 342,489; Jan. 19; Serial No. 379,150; published Nov. 10, 1936. Class 4.
Superior Confection Company, The. (See Snyder, Gustave W.)
Sutter Packing Company, Palo Alto, Calif. Canned fruits. 342,533; Jan. 19; Serial No. 382,534; published Nov. 3, 1936. Class 46.
Sweet Cap Company, Dallas, Tex. Neckties. 342,554; Jan. 19; Serial No. 368,464; published Nov. 10, 1936. Class 39.
Tanenbaum, I. Edwin, Incorporated, New York, N. Y. Publication. 342,617; Jan. 19; Serial No. 382,640; published Nov. 3, 1936. Class 38.
Texas Tanning & Manufacturing Company, Yoakum, Tex. Belts for men. 342,616; Jan. 19; Serial No. 382,641; published Nov. 3, 1936. Class 39.
Thompson, Robert W., doing business as Thompson Manufacturing Co., Los Angeles, Calif. Electric massaging hair brushes. 342,475; Jan. 19; Serial No. 381,953; published Nov. 10, 1936. Class 44.
Tryon, Edw. K., Company, Philadelphia, Pa. Basketballs. 342,565; Jan. 19; Serial No. 383,492; published Nov. 10, 1936. Class 22.
Tryon, Edw. K., Company, Philadelphia, Pa. Footballs. 342,566; Jan. 19; Serial No. 383,493; published Nov. 10, 1936. Class 22.
United States Envelope Company, Springfield, Mass. Envelopes and writing paper. 342,657–8; Jan. 19. Class 37.
Valentine Laboratories, Inc., Chicago, Ill. Tooth brush. 342,465; Jan. 19; Serial No. 378,508; published Nov. 10, 1936. Class 29.
Vereinigte Gummiwaren-Fabriken Wimpassing vormals Menier J. N. Reithoffer, Vienna, Austria. Rubber sponges. 342,526; Jan. 19; Serial No. 382,403; published Nov. 3, 1936. Class 1.
Vidrio Products Corporation, Chicago, Ill. Laundry washing machines. 342,575; Jan. 19; Serial No. 382,731; published Nov. 10, 1936. Class 24.
W. B. Foundations, Incorporated, Newark, N. J. Corsets, girdles, brassières, etc. 342,615; Jan. 19; Serial No. 382,815; published Nov. 3, 1936. Class 39.
Wagner Electric Corporation, St. Louis, Mo. Clutch-operated fluid brake control valves for vehicles. 342,558; Jan. 19; Serial No. 353,622; published Nov. 10, 1936. Class 13.
Wanamaker, John, New York, New York, N. Y. Corsets. 342,450; Jan. 19; Serial No. 381,696; published Nov. 10, 1936. Class 39.
Wanamaker, John, New York, New York, N. Y. Infants' and children's dresses, suits, coats, etc. 342,451; Jan. 19; Serial No. 381,695; published Nov. 10, 1936. Class 39.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Bathing and lounging robes, pajamas, dresses, etc. 342,524; Jan. 19; Serial No. 382,455; published Oct. 27, 1936. Class 39.
Ward Refrigerator & Mfg. Co., Los Angeles, Calif. Refrigerators. 342,516; Jan. 19; Serial No. 376,926; published Nov. 10, 1936. Class 31.
Weill & Hartmann, New York, N. Y. Velocipedes, scooters, wagons (toy), etc. 342,586; Jan. 19; Serial No. 383,044; published Nov. 10, 1936. Class 22.
Weirton Steel Company, Weirton, W. Va. Tin plate. 342,521; Jan. 19; Serial No. 375,184; published Nov. 10, 1936. Class 14.
Welch Grape Juice Company, The, Westfield, N. Y. Tomato juice. 342,584; Jan. 19; Serial No. 383,078; published Nov. 3, 1936. Class 46.
Wells-Lamont-Smith Corporation, Minneapolis, Minn. Work gloves. 342,531–2; Jan. 19; Serial Nos. 382,541–2; published Nov. 3, 1936. Class 39.
Wess Mfg. Corp., New York, N. Y. Children's dresses and playsuits. 342,592; Jan. 19; Serial No. 382,781; published Oct. 27, 1936. Class 39.
West Coast-Manchester Mills, Inc., Los Angeles, Calif. Sweaters. 342,601; Jan. 19; Serial No. 383,242; published Oct. 27, 1936. Class 39.
Weston, George, Limited, Passaic, N. J. Crackers. 342,651; Jan. 19. Class 46.
West Point Manufacturing Company, West Point, Ga. Towelling. 342,653; Jan. 19. Class 42.
Weyman Brothers, Los Angeles, Calif. Women's hats. 342,642; Jan. 19. Class 39.
Wilenchik, Israel W., doing business as Metallurgical Products Company, Philadelphia, Pa. Metals, metal castings, and metal alloys. 342,543–4; Jan. 19; Serial Nos. 374,067–8; published Nov. 10, 1936. Class 14.
Wohl Shoe Company, St. Louis, Mo. Shoes. 342,408; Jan. 19; Serial No. 381,145; published Nov. 10, 1936. Class 39.
World's Products Company. (See Laymon, Herman B.)
"Yvonne Laru". (See Sharon Store Company, The.)
Ziff-Davis Publishing Company, Chicago, Ill. Periodical publications. 342,417; Jan. 19; Serial No. 380,733; published Nov. 3, 1936. Class 38.
Zifferblatt, George, & Co., Philadelphia, Pa. Cigars. 342,561; Jan. 19; Serial No. 374,952; published Nov. 3, 1936. Class 17.

LIST OF REGISTRANTS OF LABELS

Ban Dan Laboratories. (See Vanderhooven, Cornelius C.)
Goody Manufacturing Co. (See Shulman, Isidor.)
Shulman, Isidor, doing business as Goody Manufacturing Co., New York, N. Y. Goody Magic Twirler Strings. For Twirler Strings. 48,732; Jan. 19.
Stevenson, Chas. A., Kansas City, Mo. Stevenson Streamline. For Oil Tempered Forks and Heat Treated Scoops. 48,733; Jan. 19.
Vanderhooven, Cornelius C., doing business as Ban Dan Laboratories, Asheville, N. C. Ban-Dan. For Hair Dressing. 48,734; Jan. 19.

LIST OF REGISTRANTS OF PRINTS

Chilton Pen Company, Inc., The, New York and Long Island City, N. Y. The Chilton Wing-Flow Pen. For Fountain Pens, Pencils, Fountain Pen and Pencil Sets, and Pen Desk Sets. 16,002; Jan. 19.
Oshkosh Overall Company, Oshkosh, Wis. Osh B'Gosh—The World's Best Overall. For Overalls. 16,003; Jan. 19.
Royal Milling Company, Minneapolis, Minn. Enjoy this 'Extra Help' on Bake Day! For Flour. 16,004; Jan. 19.
Royal Milling Company, Minneapolis, Minn. Try This Simple Way to Bake. For Flour. 16,005; Jan. 19.
Royal Milling Company, Minneapolis, Minn. Work is Made Easier. For Flour. 16,006; Jan. 19.
Volcanic Products Corporation, Chicago, Ill. Design and Construction Data for Volcolite Precast Joists and Slabs. For Precast Joists and Slabs. 16,007; Jan. 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay. Southeastern Clay Company. 342,574; Jan. 19; Serial No. 382,727; published Nov. 10, 1936.
Clay, Modeling. American Art Clay Company. 342,650; Jan. 19.
Coal. Island Creek Coal Sales Company. 342,535; Jan. 19; Serial No. 382,474; published Nov. 10, 1936.
Fur skins. Frank Hershkovitz & Gottlieb, Inc. 342,488; Jan. 19; Serial No. 378,997; published Nov. 3, 1936.
Fur skins and parts thereof. Mendelblatt & Goldstein. 342,432; Jan. 19; Serial No. 380,012; published Nov. 3, 1936.
Seeds, Field and garden. Ruhmann Grain & Seed Company. 342,563; Jan. 19; Serial No. 383,449; published Nov. 10, 1936.
Seeds, Field and garden. Ruhmann Grain & Seed Company. 342,580; Jan. 19; Serial No. 383,448; published Nov. 10, 1936.
Seeds, Field and garden. Ruhmann Grain & Seed Company. 342,620; Jan. 19; Serial No. 383,447; published Nov. 10, 1936.
Sponges, Rubber. Vereinigte Gummiwaren-Fabriken Wimpassing vormals Menier J. N. Reithoffer. 342,526; Jan. 19; Serial No. 382,403; published Nov. 3, 1936.
Textile fibres in staples, having opaque appearance, Artificial. Società Anonima Snia-Viscosa, Società Nazionale Industria Applicazioni Viscosa. 342,495; Jan. 19; Serial No. 379,642; published Nov. 3, 1936.

CLASS 2

Container for sewing thread. Dean & Sherk Co. 342,515; Jan. 19; Serial No. 376,946; published Nov. 10, 1936.
Sacks or bags. Grand Rapids Fibre Cord Co. 342,518; Jan. 19; Serial No. 376,200; published Nov. 10, 1936.

CLASS 4

Cleaning preparations, Window. D. A. Collins Mfg. Co. 342,637; Jan. 19; Serial No. 382,658; published Nov. 3, 1936.
Cream, Shaving. J. J. Bickel. 342,605; Jan. 19; Serial No. 383,158; published Nov. 3, 1936.
Cream, Shaving. M. E. Proctor. 342,571; Jan. 19; Serial No. 383,782; published Nov. 10, 1936.
Dressing, oil stones, sand paper, etc., Auto top. S. H. Kress and Company. 342,622; Jan. 19; Serial No. 383,435; published Nov. 10, 1936.
Preparation for cleaning and polishing glass and glass surfaces, etc., Liquid. M. J. Bliss. 342,529; Jan. 19; Serial No. 382,150; published Nov. 3, 1936.
Soap. Mennen Company. 342,514; Jan. 19; Serial No. 377,189; published Nov. 3, 1936.
Soap. John T. Stanley Co. Inc. 342,597; Jan. 19; Serial No. 382,575; published Nov. 3, 1936.
Soap, Dry cleaning. R. R. Street & Co. Inc. 342,489; Jan. 19; Serial No. 379,150; published Nov. 10, 1936.
Soaps, Toilet. Robert Enterprises, Inc. 342,550; Jan. 19; Serial No. 370,839; published Dec. 17, 1935.
Tumbling, burnishing, and polishing compounds, polishing creams, pegs, etc. Lupomatic Tumbling Machine Co. 342,624; Jan. 19; Serial No. 383,364; published Nov. 10, 1936.

CLASS 6

Antiseptic preparation. Grand Union Tea Company. 342,589; Jan. 19; Serial No. 383,013; published Nov. 3, 1936.
Cosmetics. J. P. Carroll. 342,422; Jan. 19; Serial No. 380,499; published Nov. 3, 1936.
Cream, all purpose lotion, cold cream, etc., All purpose. Sharon Store Company. 342,536; Jan. 19; Serial No. 382,181; published Nov. 3, 1936.
Gargle and mouth wash, Antiseptic. W. D. Ownby. 342,527; Jan. 19; Serial No. 382,392; published Nov. 3, 1936.
Fungicide. Nichols Copper Company. 342,604; Jan. 19; Serial No. 383,177; published Nov. 3, 1936.
Insecticide. H. Clay Glover Company. 342,484; Jan. 19; Serial No. 382,092; published Nov. 3, 1936.
Insecticides, fungicides, and preparations for control of plant pests. General Chemical Company. 342,429; Jan. 19; Serial No. 380,198; published Nov. 3, 1936.
Laxative preparation. D. N. Protopapas. 342,595; Jan. 19; Serial No. 382,740; published Nov. 3, 1936.
Medicinal preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 342,528; Jan. 19; Serial No. 382,375; published Nov. 3, 1936.
Medicinal preparation. E. A. Gatterdam. 342,486; Jan. 19; Serial No. 378,695; published Nov. 3, 1936.
Perfumes, toilet waters, colognes, etc. E. J. Fay. 342,424; Jan. 19; Serial No. 380,474; published Nov. 3, 1936.
Tonic and dietetic vegetable preparation, Medicinal. Laboratorios Higia, S. A. 342,435; Jan. 19; Serial No. 382,316; published Nov. 3, 1936.

CLASS 7

Twine, rope, and cords, Binder. M. Z. Casares. 342,470; Jan. 19; Serial No. 377,773; published Nov. 10, 1936.

CLASS 8

Ash trays. American Automobile Association, Incorporated. 342,479; Jan. 19; Serial No. 382,026; published Nov. 3, 1936.
Pipes. Bloomingdale Bros., Inc. 342,477; Jan. 19; Serial No. 381,962; published Nov. 3, 1936.

CLASS 13

Valves for vehicles, Clutch-operated fluid brake control. Wagner Electric Corporation. 342,558; Jan. 19; Serial No. 353,622; published Nov. 10, 1936.

CLASS 14

Metal foils. Keller-Dorian Paper Co. 342,419; Jan. 19; Serial No. 380,645; published Nov. 3, 1936.
Metals, metal castings, and metal alloys. I. W. Wilenchik. 342,543–4; Jan. 19; Serial Nos. 374,067–8; published Nov. 10, 1936.
Tin plate. Weirton Steel Company. 342,521; Jan. 19; Serial No. 375,184; published Nov. 10, 1936.

CLASS 16

Paint, Insect proofing. N. P. Easling. 342,582; Jan. 19; Serial No. 383,089; published Nov. 10, 1936.

CLASS 17

Cigarettes. American Tobacco Company. 342,606; Jan. 19; Serial No. 383,152; published Nov. 3, 1936.
Cigars. Berriman Brothers, Inc. 342,614; Jan. 19; Serial No. 382,818; published Nov. 3, 1936.
Cigars. Menendez y Compania S. en C. 342,555; Jan. 19; Serial No. 367,832; published Nov. 10, 1936.
Cigars. E. Regensburg & Sons. 342,630–1; Jan. 19; Serial Nos. 382,929–30; published Nov. 3, 1936.

Cigars. George Zifferblatt & Co. 342,561; Jan. 19; Serial No. 374,952; published Nov. 3, 1936.

CLASS 19

Automobile luggage racks. G. H. Le Boeuf. 342,463; Jan. 19; Serial No. 381,209; published Nov. 10, 1936.
Bus bodies and trucks, School and passenger. Rex-Watson Corporation. 342,639; Jan. 19.

CLASS 21

Bulbs, Electric light. Burke & James, Inc. 342,660; Jan. 19.
Dynamotors, generators, inverted rotary convertors, etc. Pioneer Gen-E-Motor Corporation. 342,559; Jan. 19; Serial No. 374,601; published Nov. 10, 1936.
Electric curling irons. Beardsley & Wolcott Manufacturing Company. 342,425; Jan. 19; Serial No. 380,431; published Nov. 10, 1936.
Electric curling irons, whippers, food mixers, etc. Knapp-Monarch Company. 342,446; Jan. 19; Serial No. 381,769; published Nov. 10, 1936.
Electric ranges. Sears, Roebuck and Co. 342,602; Jan. 19; Serial No. 383,232; published Nov. 10, 1936.
Suction cleaners and parts thereof and attachments and accessories therefor, Electrically operated. P. A. Geier Company. 342,513; Jan. 19; Serial No. 377,219; published Nov. 10, 1936.
Suction cleaners, Electrically operated. P. A. Geier Company. 342,473; Jan. 19; Serial No. 377,353; published Nov. 10, 1936.
Vacuum sweeper, Electric motor equipped and operated hand steered type. J. R. Lodge. 342,481; Jan. 19; Serial No. 382,058; published Nov. 10, 1936.
Wire, Iron and steel. Indiana Steel & Wire Company. 342,607; Jan. 19; Serial No. 383,131; published Nov. 10, 1936.

CLASS 22

Basketballs. Edw. K. Tryon Company. 342,565; Jan. 19; Serial No. 383,492; published Nov. 10, 1936.
Dolls. B. Behrman. 342,539; Jan. 19; Serial No. 374,274; published Apr. 21, 1936.
Dolls. B. Behrman. 342,540–1; Jan. 19; Serial Nos. 374,271–2; published Apr. 21, 1936.
Dolls. B. Behrman. 342,542; Jan. 19; Serial No. 374,269; published Apr. 21, 1936.
Fishing tackle. H. Lures. 342,635; Jan. 19; Serial No. 382,702; published Nov. 10, 1936.
Footballs. Edw. K. Tryon Company. 342,566; Jan. 19; Serial No. 383,493; published Nov. 10, 1936.
Game. Hi-Li Sales Co. 342,431; Jan. 19; Serial No. 380,103; published Nov. 10, 1936.
Game. A. S. Lord. 342,628; Jan. 19; Serial No. 383,314; published Nov. 10, 1936.
Game, Board. H. J. Chapman. 342,577; Jan. 19; Serial No. 382,938; published Nov. 10, 1936.
Rifle range apparatus. G. W. Snyder. 342,576; Jan. 19; Serial No. 382,933; published Oct. 27, 1936.
Velocipedes, scooters, wagons (toy), etc. Weill & Hartmann. 342,586; Jan. 19; Serial No. 383,044; published Nov. 10, 1936.

CLASS 23

Dies, Stamping and embossing. Jas. H. Matthews & Co. 342,647–8; Jan. 19.
Meat cutting machines. W. D. Huse & Sons. 342,623; Jan. 19; Serial No. 383,434; published Nov. 10, 1936.
Mowers, Lawn. Pootatuck Corporation. 342,507; Jan. 19; Serial No. 382,238; published Nov. 10, 1936.
Plates for meatchoppers. K. C. Seelbach Co. 342,645; Jan. 19.
Razor blades. Kirby, Block & Fisher, Inc. 342,625; Jan. 19; Serial No. 383,359; published Nov. 10, 1936.
Vending and amusement devices, Coin operated. N. Cohn. 342,434; Jan. 19; Serial No. 382,343; published Nov. 10, 1936.

CLASS 24

Laundry washing machines. Vidrio Products Corporation. 342,575; Jan. 19; Serial No. 382,731; published Nov. 10, 1936.

CLASS 26

Film mounts and film holders. I. C. Rinn. 342,649; Jan. 19.
Machine to measure and stretch knitted garments. Moto-Sway Corporation. 342,453; Jan. 19; Serial No. 381,683; published Nov. 10, 1936.
Pyrometer standard cells. Eppley Laboratory, Inc. 342,591; Jan. 19; Serial No. 382,790; published Nov. 10, 1936.

CLASS 29

Mops, brooms, dusters, etc. Midway Chemical Co. 342,462; Jan. 19; Serial No. 381,232; published Nov. 3, 1936.
Tooth brush. Valentine Laboratories, Inc. 342,465; Jan. 19; Serial No. 378,508; published Nov. 10, 1936.

CLASS 31

Refrigerators. Ward Refrigerator & Mfg. Co. 342,516; Jan. 19; Serial No. 376,926; published Nov. 10, 1936.

CLASS 32

Racks, Wooden display. A. M. Lewin Lumber Co. 342,655; Jan. 19.
Seat covers, Automobile. Biltmore Manufacturing Company. 342,626; Jan. 19; Serial No. 383,345; published Nov. 10, 1936.

CLASS 34

Boilers, Domestic heating. Richardson & Boynton Company. 342,505; Jan. 19; Serial No. 381,950; published Nov. 10, 1936.

CLASS 35

Brake lining. Southern Friction Materials Company. 342,487; Jan. 19; Serial No. 378,906; published Nov. 10, 1936.

CLASS 36

Phonograph machines, amplifier, turn table, etc., Electric. Electro-Acoustic Products Company. 342,490; Jan. 19; Serial No. 379,188; published Nov. 10, 1936.

CLASS 37

Envelopes. Curtis 1000 Inc. 342,493; Jan. 19; Serial No. 379,605; published Nov. 3, 1936.
Envelopes and writing paper. United States Envelope Company. 342,657–8; Jan. 19.
Envelopes, Paper. Hodes-Daniel Co. 342,636; Jan. 19; Serial No. 382,666; published Nov. 3, 1936.
Film forming a ribbon, Composite strips of slit cellulose. Norcross. 342,545; Jan. 19; Serial No. 373,646; published Nov. 10, 1936.
Index, Telephone. Security Products Company. 342,448; Jan. 19; Serial No. 381,730; published Nov. 3, 1936.
Pads, Desk. K. R. Costikyan. 342,497; Jan. 19; Serial No. 381,800; published Nov. 3, 1936.
Paper and duplicating machine paper, Writing. Nation Wide Papers, Inc. 342,549; Jan. 19; Serial No. 371,439; published Nov. 3, 1936.
Paper and paper board, Coated. International Printing Ink Corporation. 342,454; Jan. 19; Serial No. 381,621; published Nov. 3, 1936.
Paper, Toilet. Stevens & Thompson Paper Company. 342,610; Jan. 19; Serial No. 383,109; published Nov. 3, 1936.
Paper, Toilet (tissue) Northern Paper Mills. 342,603; Jan. 19; Serial No. 383,200; published Nov. 3, 1936.
Paper, Wrapping. Crown Willamette Paper Company. 342,629; Jan. 19; Serial No. 383,260; published Nov. 10, 1936.
Pencils, colored and copying pencils, pencil holders, etc., Lead. Eberhard Faber Pencil Company. 342,467; Jan. 19; Serial No. 378,361; published Nov. 10, 1936.
Pencils, Wood cased. General Pencil Company. 342,573; Jan. 19, Serial No. 382,717; published Nov. 10, 1936.
Sheets for application to panes of glass, Decorated. H. Malz. 342,638; Jan. 19; Serial No. 382,644; published Nov. 10, 1936.
Stamps, Rubber printing. Samuel H. Moss, Inc. 342,562; Jan. 19; Serial No. 382,958; published Nov. 3, 1936.
Wrapping and packaging material. Celluloid Corporation. 342,426; Jan. 19; Serial No. 380,343; published Nov. 3, 1936.
Wrapping material. Reynolds Metals Company. 342,504; Jan. 19; Serial No. 381,949; published Nov. 3, 1936.

CLASS 38

Magazine. J. H. Karp. 342,411; Jan. 19; Serial No. 381,033; published Nov. 3, 1936.
Publication, Periodical. I. Edwin Tanenbaum Incorporated. 342,617; Jan. 19; Serial No. 382,640; published Nov. 3, 1936.
Publications, Periodical. Ziff-Davis Publishing Company. 342,417; Jan. 19; Serial No. 380,733; published Nov. 3, 1936.

CLASS 39

Apparel of fur, Ladies' wearing. Ben Brockman, Inc. 342,509; Jan. 19; Serial No. 382,200; published Oct. 27, 1936.
Aprons, golf jackets, fishermens' capes, etc. Collingbourne Mills, Inc. 342,449; Jan. 19; Serial No. 381,711; published Oct. 6, 1936.
Belts for men. Texas Tanning & Manufacturing Company. 342,616; Jan. 19; Serial No. 382,641; published Nov. 3, 1936.
Blouses, dresses, culottes, etc. N. Malkasher. 342,455; Jan. 19; Serial No. 381,568; published Oct. 27, 1936.
Boots and shoes. Sears, Roebuck and Co. 342,427; Jan. 19; Serial No. 380,311; published Oct. 6, 1936.
Boots, heels, and soles, Rubber. Rubber-Gel Products Corporation. 342,482; Jan. 19; Serial No. 382,065; published Oct. 13, 1936.
Brassières. Hollywood-Maxwell Co. 342,506; Jan. 19; Serial No. 382,220; published Nov. 3, 1936.
Brassières. Hollywood-Maxwell Co. 342,510; Jan. 19; Serial No. 382,216; published Nov. 3, 1936.
Brassières. Hollywood-Maxwell Co. 342,511–12; Jan. 19; Serial Nos. 382,218–19; published Nov. 3, 1936.
Breeches, jodhpurs, pants, etc. I. C. Isaacs & Company. 342,581; Jan. 19; Serial No. 383,097; published Nov. 3, 1936.
Clothing and accessories. Simon Ackerman Clothes, Inc. 342,491; Jan. 19; Serial No. 379,500; published Oct. 27, 1936.
Clothing and shoes, Men's. Rogers Peet Company. 342,452; Jan. 19; Serial No. 381,692; published Nov. 10, 1936.

Coats and suits. Anitra, Inc. 342,447; Jan. 19; Serial No. 381,745; published Nov. 3, 1936.
Coats and suits, Women's and misses'. I. Grossman & Son, Inc. 342,596; Jan. 19; Serial No. 382,593; published Nov. 3, 1936.
Coats, fur capes, fur collars, etc., Fur. Beckerman & Monasson, Inc. 342,444; Jan. 19; Serial No. 379,730; published Nov. 10, 1936.
Coats, vests, trousers, etc. J. Blach & Sons, Inc. 342,523; Jan. 19; Serial No. 375,042; published Oct. 6, 1936.
Coats, Women's and misses'. Chicago Mail Order Company. 342,564; Jan. 19; Serial No. 383,469; published Nov. 3, 1936.
Corsets. John Wanamaker New York. 342,450; Jan. 19; Serial No. 381,696; published Nov. 10, 1936.
Corsets, girdles, and other foundation garments. May Department Stores Company. 342,445; Jan. 19; Serial No. 381,773; published Oct. 13, 1936.
Corsets, girdles, brassières, etc. W. B. Foundations, Incorporated. 342,615; Jan. 19; Serial No. 382,815; published Nov. 3, 1936.
Dresses. March of Fashion, Inc. 342,579; Jan. 19; Serial No. 382,957; published Nov. 10, 1936.
Dresses. North Carolina Fabrics Corporation. 342,590; Jan. 19; Serial No. 382,959; published Nov. 3, 1936.
Dresses and playsuits, Children's. Wess Mfg. Corp. 342,592; Jan. 19; Serial No. 382,781; published Oct. 27, 1936.
Dresses and smocks, uniforms, etc. Press Brothers Dress Corporation. 342,418; Jan. 19; Serial No. 380,661; published Oct. 6, 1936.
Dresses, blouses, and jumpers, Children's. L. J. Goldberger. 342,656; Jan. 19.
Dresses, hats, and coats. D. Rosenblatt. 342,428; Jan. 19; Serial No. 380,225; published Oct. 13, 1936.
Dresses, suits, blouses, etc. F. A. Speik. 342,598; Jan. 19; Serial No. 382,573; published Nov. 3, 1936.
Dresses, suits, coats, etc., Infants' and children's. John Wanamaker New York. 342,451; Jan. 19; Serial No. 381,695; published Nov. 10, 1936.
Girdles, corsets, brassières, etc. Poirette Corsets, Inc. 342,410; Jan. 19; Serial No. 381,046; published Oct. 6, 1936.
Gloves. National Glove Company. 342,413; Jan. 19; Serial No. 380,919; published Oct. 6, 1936.
Gloves, hosiery, belts, etc. Nat Lewis Purses, Inc. 342,412; Jan. 19; Serial No. 380,997; published Nov. 10, 1936.
Gloves, Leather. Buscarlet Glove Company Inc. 342,438; Jan. 19; Serial No. 382,113; published Nov. 10, 1936.
Gloves, Work. Wells-Lamont-Smith Corporation. 342,531–2; Jan. 19; Serial Nos. 382,541–2; published Nov. 3, 1936.
Handkerchiefs, Men's. I. C. Herman & Company. 342,659; Jan. 19.
Hats. Hawley Products Company. 342,548; Jan. 19; Serial No. 371,921; published Nov. 10, 1936.
Hats and caps. G. Henry Stetson. 342,618; Jan. 19; Serial No. 382,639; published Nov. 3, 1936.
Hats and caps; scarfs, underwear, etc. Modern Merchandising Bureau, Inc. 342,457; Jan. 19; Serial No. 381,492; published Nov. 10, 1936.
Hats for men and women, Felt and fabric. Hat Corporation of America. 342,551; Jan. 19; Serial No. 370,309; published Oct. 6, 1936.
Hats, Ladies'. Draper Hat Corporation. 342,547; Jan. 19; Serial No. 373,204; published Mar. 17, 1936.
Hats, Women's. Weyman Brothers. 342,642; Jan. 19.
Hosiery. J. W. Landenberger & Co. 342,621; Jan. 19; Serial No. 383,437; published Nov. 10, 1936.
Lingerie for women and misses. B. Altman & Co. 342,572; Jan. 19; Serial No. 382,704; published Nov. 3, 1936.
Neckties. Sweet Cap Company. 342,554; Jan. 19; Serial No. 368,464; published Nov. 10, 1936.
Neckties, Embroidered. Ruchet Fils et Charles Colcombet. 342,557; Jan. 19; Serial No. 353,844; published Mar. 3, 1936.
Nightgowns, Women's. Her Majesty Underwear Co. 342,608; Jan. 19; Serial No. 383,130; published Nov. 3, 1936.
Overcoats and topcoats, Men's. C. B. Shane Corporation. 342,627; Jan. 19; Serial No. 383,327; published Nov. 3, 1936.
Raincoats. Chicago Rubber Clothing Company. 342,483; Jan. 19; Serial No. 382,086; published Oct. 6, 1936.
Robes, pajamas, dresses, etc., Bathing and lounging. John Wanamaker Philadelphia. 342,524; Jan. 19; Serial No. 382,455; published Oct. 27, 1936.
Shoes. Ault-Williamson Shoe Co. 342,421; Jan. 19; Serial No. 380,609; published Oct. 6, 1936.
Shoes. Ault-Williamson Shoe Co. 342,461; Jan. 19; Serial No. 381,253; published Nov. 10, 1936.
Shoes. Ferris Shoe Mfg. Co. 342,480; Jan. 19; Serial No. 382,048; published Oct. 13, 1936.
Shoes. H. W. Merriam Shoe Company. 342,502; Jan. 19; Serial No. 381,895; published Oct. 6, 1936.
Shoes. E. Olcovich. 342,466; Jan. 19; Serial No. 378,493; published Oct. 6, 1936.
Shoes. Somerset Shoe Company. 342,414; Jan. 19; Serial No. 380,850; published Nov. 10, 1936.
Shoes. Wohl Shoe Company. 342,408; Jan. 19; Serial No. 381,145; published Nov. 10, 1936.
Shoes, Ladies'. Pulter De Liso, Inc. 342,436; Jan. 19; Serial No. 382,305; published Nov. 3, 1936.
Shoes, Women's. Brauer Bros. Shoe Company. 342,534; Jan. 19; Serial No. 382,505; published Nov. 3, 1936.
Shoes, Women's. Orthopedic Shoes, Inc. 342,464; Jan. 19; Serial No. 381,169; published Nov. 10, 1936.
Shoes, Women's. Selby Shoe Co. 342,501; Jan. 19; Serial No. 381,881; published Oct. 6, 1936.
Shorts. Carson Pirie Scott & Company. 342,525; Jan. 19; Serial No. 382,422; published Nov. 3, 1936.
Stockings. Industrial Hosiery Mills, Inc. 342,498; Jan. 19; Serial No. 381,812; published Nov. 10, 1936.
Suits and overcoats. Gimbel Brothers, Inc. 342,567; Jan. 19; Serial No. 383,503; published Nov. 10, 1936.
Suits and overcoats, hats, etc. Marshall Field & Company. 342,494; Jan. 19; Serial No. 379,610; published Oct. 6, 1936.
Suits, Boys'. L. Isaacson & Sons, Inc. 342,485; Jan. 19; Serial No. 378,522; published Nov. 10, 1936.
Suits, coats, and dresses, Women's and misses'. Marks & Lipman, Inc. 342,600; Jan. 19; Serial No. 382,563; published Nov. 3, 1936.
Suits, coats, vests, etc. S. Makransky & Sons. 342,520; Jan. 19; Serial No. 375,217; published Apr. 28, 1936.
Suits, Men's and boys'. Curlee Clothing Company. 342,609; Jan. 19; Serial No. 383,125; published Nov. 3, 1936.
Sweaters. West Coast-Manchester Mills, Inc. 342,601; Jan. 19; Serial No. 383,242; published Oct. 27, 1936.
Sweaters, coats, and vests, Knitted. Hollywood Knitting Mills, Inc. 342,588; Jan. 19; Serial No. 383,017; published Oct. 27, 1936.
Underwear, Children's. Belle Knitting Corp. 342,420; Jan. 19; Serial No. 380,611; published Nov. 10, 1936.
Underwear, Ladies' and children's. Krumholz & Lichtblau. 342,632; Jan. 19; Serial No. 382,919; published Oct. 27, 1936.

CLASS 40

Laces, Shoe. H. B. Laymon. 342,433; Jan. 19; Serial No. 382,357; published Nov. 3, 1936.
Ornaments, Hair. Ben Hur Products, Inc. 342,530; Jan. 19; Serial No. 382,123; published Oct. 13, 1936.
Packages containing cut lengths of piece goods and art needlework yarns, Botany Worsted Mills. 342,456; Jan. 19; Serial No. 381,523; published Nov. 10, 1936.
Straps for ladies' undergarments, Shoulder. S. Silverman. 342,496; Jan. 19; Serial No. 381,787; published Nov. 10, 1936.
Trimmings, ornaments, and buckles. Abraham Hirsh Inc. 342,460; Jan. 19; Serial No. 381,310; published Nov. 10, 1936.

CLASS 42

Towelling. West Point Manufacturing Company. 342,653; Jan. 19.

CLASS 43

Threads and yarns, Woolen and worsted. American Thread Company. 342,634; Jan. 19; Serial No. 382,901; published Oct. 27, 1936.

CLASS 44

Hair brushes, Electric massaging. R. W. Thompson. 342,475; Jan. 19; Serial No. 381,953; published Nov. 10, 1936.
Therapeutic electric lamps. Sears, Roebuck and Co. 342,437; Jan. 19; Serial No. 382,292; published Nov. 10, 1936.

CLASS 46

Beef. Kroger Grocery & Baking Company. 342,552; Jan. 19; Serial No. 370,006; published Nov. 10, 1936.
Biscuits. Davidson Biscuit Company. 342,652; Jan. 19.
Biscuits and crackers. Johnson Educator Food Company. 342,570; Jan. 19; Serial No. 383,772; published Nov. 10, 1936.
Candies. K. L. Rathje. 342,599; Jan. 19; Serial No. 382,568; published Nov. 10, 1936.
Candies. Frances Sinagnan et Cie. Inc. 342,587; Jan. 19; Serial No. 383,035; published Nov. 10, 1936.
Candy. Beech-Nut Packing Company. 342,583; Jan. 19; Serial No. 383,082; published Nov. 10, 1936.
Candy. Herbert Candy Company. 342,612; Jan. 19; Serial No. 382,870; published Nov. 10, 1936.
Canned dog and cat food. Max Lazarus & Sons, Inc. 342,619; Jan. 19; Serial No. 382,598; published Nov. 10, 1936.
Canned fruits. Sutter Packing Company. 342,533; Jan. 19; Serial No. 382,534; published Nov. 3, 1936.
Canned fruits and fresh deciduous fruits. Barnes & Leverette. 342,492; Jan. 19; Serial No. 379,598; published Nov. 10, 1936.
Canned fruits and vegetables, salad dressing. J. J. Gielow & Sons, Inc. 342,472; Jan. 19; Serial No. 377,392; published Nov. 10, 1936.
Canned fruits, canned vegetables, coffee, etc. Nathan Rosenblum & Company. 342,519; Jan. 19; Serial No. 375,225; published Nov. 10, 1936.
Canned shrimp. Brooks Packing Co. 342,443; Jan. 19; Serial No. 379,732; published Nov. 3, 1936.
Canned vegetables. Land O'The Sky Mutual Association, Inc. 342,500; Jan. 19; Serial No. 381,860; published Nov. 3, 1936.

Canned vegetables. Minnesota Valley Canning Company. 342,503; Jan. 19; Serial No. 381,914; published Nov. 10, 1936.
Canned vegetables, canned vegetable juices. California Pea Products, Inc. 342,569; Jan. 19; Serial No. 383,718; published Nov. 10, 1936.
Cereal food products. General Mills, Inc. 342,440; Jan. 19; Serial No. 379,928; published Nov. 10, 1936.
Cocoa, chocolate, and chocolates and candies. Naamlooze Vennootschap Droste's Cacao- en Chocoladefabrieken. 342,499; Jan. 19; Serial No. 381,849; published Nov. 10, 1936.
Cocoa, chocolate, chocolate candy. Chocolat Suchard Societe Anonyme. 342,474; Jan. 19; Serial No. 377,299; published Nov. 3, 1936.
Coffee. Eppens, Smith Company. 342,578; Jan. 19; Serial No. 382,947; published Nov. 10, 1936.
Confections, Frozen. Beatric Creamery Company. 342,585; Jan. 19; Serial No. 383,050; published Nov. 10, 1936.
Crackers. George Weston, Limited. 342,651; Jan. 19.
Feeds, Poultry. A. Angell. 342,508; Jan. 19; Serial No. 382,259; published Nov. 10, 1936.
Flour, canned tomatoes, spaghetti, etc., Wheat. Lewis Grocer Co. 342,517; Jan. 19; Serial No. 376,852; published Nov. 3, 1936.
Flour, Wheat. Dixie Stores, Incorporated. 342,633; Jan. 19; Serial No. 382,908; published Nov. 10, 1936.
Food, Dog. C. F. Gaines. 342,441; Jan. 19; Serial No. 379,839; published Nov. 3, 1936.
Food, Dog. R. C. Graham. 342,409; Jan. 19; Serial No. 381,127; published Nov. 3, 1936.
Food products. H. A. Johnson Company. 342,641; Jan. 19.
Food products. Riverbank Canning Company. 342,537; Jan. 19; Serial No. 382,176; published Nov. 10, 1936.
Fruits and vegetables, Fresh. National Fruit and Vegetable Exchange, Inc. 342,522; Jan. 19; Serial No. 375,160; published Nov. 10, 1936.
Fruits, Fresh citrus. Goleta Lemon Association. 342,469; Jan. 19; Serial No. 378,201; published Nov. 10, 1936.
Herring, Salt cured. Oceanic Fisheries Company. 342,442; Jan. 19; Serial No. 379,758; published Nov. 10, 1936.
Macaroni, spaghetti, and macaroni and spaghetti products. J. Bertotti. 342,458; Jan. 19; Serial No. 381,397; published Nov. 10, 1936.
Milk and dehydrated chocolate. Dehydrated. A. C. Negri. 342,556; Jan. 19; Serial No. 356,634; published Nov. 10, 1936.
Nut meats, salted peanuts, salted cashew nuts, etc., Salted. G. D. George. 342,459; Jan. 19; Serial No. 381,360; published Nov. 3, 1936.
Oil, Flaked hydrogenated cottonseed. Interstate Cotton Oil Refining Co. 342,471; Jan. 19; Serial No. 377,394; published Nov. 3, 1936.
Peanut butter. Erickson Food Producs Co. 342,594; Jan. 19; Serial No. 382,749; published Nov. 3, 1936.
Potato chips. H. G. Latin. 342,476; Jan. 19; Serial No. 381,955; published Nov. 3, 1936.
Preparation made from various fruits, berries, and vegetables. Filice & Perrelli Canning Company. 342,568; Jan. 19; Serial No. 383,618; published Nov. 10, 1936.
Preparation made from various fruits, berries, and vegetables. Filice and Perrelli Canning Company. 342,644; Jan. 19.
Syrups for sundaes, milk beverages, and cake frostings. C. A. Owen. 342,593; Jan. 19; Serial No. 382,765; published Nov. 10, 1936.
Tea. Carter Macy Tea and Coffee Co. 342,613; Jan. 19; Serial No. 382,820; published Nov. 10, 1936.
Tomato juice. Carroon & Company. 342,415; Jan. 19; Serial No. 380,756; Nov. 10, 1936.
Tomato juice. Welch Grape Juice Company. 342,584; Jan. 19; Serial No. 383,078; published Nov. 3, 1936.
Tomato products. Farm King Packing Company. 342,553; Jan. 19; Serial No. 369,346; published Nov. 3, 1936.
Vegetable oil product. B. Nielsen. 342,468; Jan. 19; Serial No. 378,262; published Nov. 10, 1936.
Vegetables and fruits, jams, etc., Preserved. Stone House Farm, Inc. 342,430; Jan. 19; Serial No. 380,161; published Nov. 10, 1936.
Vegetables, Dried. Salinas Land Company. 342,478; Jan. 19; Serial No. 382,006; published Nov. 3, 1936.

CLASS 47

Wine. C. Somers. 342,423; Jan. 19; Serial No. 380,483; published Nov. 10, 1936.
Wines. Empire State Wine Co. 342,546; Jan. 19; Serial No. 373,250; published Nov. 10, 1936.
Wines, perry, and alcoholic cider, Sparkling. Société Vinicole de Champagne. 342,560; Jan. 19; Serial No. 375,028; published Nov. 10, 1936.

CLASS 49

Alcohol and grain alcohol. Standard Spirits Corporation. 342,646; Jan. 19.
Whiskey. Cluff & Pickering, Ltd. 342,654; Jan. 19.
Whiskey. Paramount Distilling Corporation. 342,643; Jan. 19.
Whiskey, gin, rum, etc. Josselson Bros., Inc. 342,640; Jan. 19.

CLASS 50

Canvas, oiled duck, oiled cambric, etc., Oiled. Standard Insulation Company. 342,439; Jan. 19; Serial No. 382,104; published Nov. 3, 1936.
Mats for facilitating the growth of plants. H. C. Avery. 342,416; Jan. 19; Serial No. 380,743; published Nov. 10, 1936.
Shoe counter material in the nature of artificial leather. Kimberly-Clark Corporation. 342,611; Jan. 19; Serial No. 382,875; published Nov. 10, 1936.
Waterproof cloth. Fulton Bag & Cotton Mills. 342,538; Jan. 19; Serial No. 374,516; published Nov. 10, 1936.

LIST OF LABELS

Ban-Dan. For Hair Dressing. C. C. Vanderhooven. 48,734; Jan. 19.
Goody Magic Twirler Strings. For Twirler Strings. I. Shulman. 48,732; Jan. 19.
Stevenson Streamline. For Oil Tempered Forks and Heat Treated Scoops. C. A. Stevenson. 48,733; Jan. 19.

LIST OF PRINTS

Design and Construction Data for Volcolite Precast Joists and Slabs. For Precast Joists and Slabs. Volcanic Products Corporation. 16,007; Jan. 19.
Enjoy this "Extra Help" on Bake Day! For Flour. Royal Milling Company. 16,004; Jan. 19.
Osh B'Gosh—The World's Best Overall. For Overalls. Oshkosh Overall Company. 16,003; Jan. 19.
The Chilton-Wing-Flow Pen. For Fountain Pens, Pencils, Fountain Pen and Pencil Sets, and Pen Desk Sets. Chilton Pen Company. 16,002; Jan. 19.
Try this Simpler Way to Bake. For Flour. Royal Milling Company. 16,005; Jan. 19.
Work is made Easier. For Flour. Royal Milling Company. 16,006; Jan. 19.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Binnall, Frederick C., Wilmington, Del. Valve. 20,246; Jan. 19.
C-S Engineering Company. (See Schellens, Eugene L., assignor.)
Ellison, Edward H., deceased, late of Jamestown, N. Y., by Hope's Windows Inc., assignee. Casement window fasteners. 20,249; Jan. 19.
Engbrecht, George C., A. J. Olsen, Chicago, Ill., and A. M. Olsen, Milwaukee, Wis., assignors to Permo Products Corporation. Pressing and ironing machine. 20,247; Jan. 19.
Hope's Windows Inc. (See Ellison, Edward H., assignor.)
McCann, Ronald A. (See Young, H. S., and McCann.)
Olsen, Anton M. (See Engbrecht, G. C., and A. J. and A. M. Olsen.)
Olsen, Arthur J. (See Engbrecht, G. C., and A. J. and A. M. Olsen.)
Permo Products Corporation. (See Engbrecht, G. C., and A. J. and A. M. Olsen, assignors.)
Schellens, Eugene L., Ridgewood, assignor to C-S Engineering Company, Englewood, N. J. Locomotive. 20,250; Jan. 19.
Union Switch & Signal Company, The. (See Young, H. S., and McCann, assignors.)
Young, Henry S., Wilkinsburg, and R. A. McCann, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 20,248; Jan. 19.

LIST OF PLANT PATENTEES

Carbaugh, Kellar, Lower Yoder Township, Cambria County, assignor to Johnstown Greenhouses, Inc., Johnstown, Pa. Rose. 222; Jan. 19.
Bourne, Benjamin A., Clewiston, Fla. Sugar cane. 220; Jan. 19.
Dickson, Alexander, Jr., Newtownards, near Belfast, Ireland, assignor to Henry A. Dreer, Incorporated, Philadelphia, Pa. Rose. 223; Jan. 19.
Dreer, Henry A., Incorporated. (See Dickson, Alexander, Jr., assignor.)
Johnson, Esther C., La Mesa, Calif. Lobelia. 221; Jan. 19.
Johnstown Greenhouses, Inc. (See Carbaugh, Kellar, assignor.)
McIlhenny, Edward A., Avery Island, La. Camellia. 224; Jan. 19.
McKee Poplar Forestation, Inc. (See McKee, Ralph H., assignor.)
McKee, Ralph H., assignor to McKee Poplar Forestation, Inc., New York, N. Y. Hybrid poplar. 225; Jan. 19.
McKee, Ralph H., assignor to McKee Poplar Forestation, Inc., New York, N. Y. Hybrid poplar. 226; Jan. 19.

LIST OF DESIGN PATENTEES

Adams, Wilbur H., Cleveland Heights, assignor to The Forest City Foundries Company, Cleveland, Ohio. Air conditioning gas furnace cabinet. 102,735; Jan. 19.
Aitchison, Peter, New Rochelle, assignor to American Bank Note Company, New York, N. Y. Set of numbering head digits. 102,810; Jan. 19.
American Bank Note Company. (See Aitchison, Peter, assignor.)
American Can Company. (See Peters, John F., assignor.)
American-National Company, The. (See Lewinski, George, assignor.)
Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire. 102,774; Jan. 19.
Anderson, Norwood, Chester, N. Y. Wrist radio casing. 102,811; Jan. 19.
Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Waffle iron. 102,775; Jan. 19.
Andrews, Jerome E., Andover, Mass. Shoe. 102,736; Jan. 19.
Andrews, Jerome E., Andover, Mass. Shoe. 102,737; Jan. 19.
Andrews, Jerome E., Andover, Mass. Shoe. 102,738; Jan. 19.
Barth, Harry E., assignor to The New Martinsville Glass Mfg. Company, New Martinsville, W. Va. Plate or similar article. 102,812; Jan. 19.
Bendheim, Ferdinand. (See Kirstel, Dave, assignor.)
Berman, Israel, Little Falls, N. Y. Shoe. 102,739; Jan. 19.
Berman, Israel, Little Falls, N. Y. Slipper. 102,740; Jan. 19.
Bloomfield, Samuel, Chicago, Ill. Bottle cap. 102,741; Jan. 19.
Borg-Warner Corporation. (See Morley, H., Wilson, and Davies.)
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate or similar article. 102,742; Jan. 19.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Combined place card holder, nut dish and ashtray. 102,743; Jan. 19.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. 102,744; Jan. 19.
Boucheron, Pierre H., Riverside, Conn., assignor to Remington Arms Company, Inc. Knife. 102,745; Jan. 19.
Boucheron, Pierre H., Riverside, Conn., assignor to Remington Arms Company, Inc. Knife. 102,746; Jan. 19.
Bowden, Gardiner S., Brooklyn, N. Y., assignor to J. B. Bowden & Co. Inc., New York, N. Y. Finger ring. 102,776; Jan. 19.
Bowden, J. B., & Co. Inc. (See Bowden, Gardiner S., assignor.)
Brant, Charles W., assignor to General Motors Corporation, Dayton, Ohio. Thermometer mounting bracket. 102,777; Jan. 19.
Briggs Manufacturing Company. (See Karstadt, Clarence, assignor.)
Brown, Seymour, New York, N. Y. Tablecloth. 102,813; Jan. 19.
Brunst, William M., Columbus, Ohio, assignor to General Door Company, Reno, Nev. Rolling door. 102,814; Jan. 19.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 102,778; Jan. 19.
Bussey, Allan C., Minneapolis, Minn. Box. 102,747; Jan. 19.
Busto, Rafael A. S., Habana, Cuba. Mechanical man. 102,815; Jan. 19.
Carr-Lowrey Glass Co. (See Funkey, John H., assignor.)
Coolerator Company, The. (See Reinecke, Jean O., assignor.)
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 102,816; Jan. 19.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 102,817; Jan. 19.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 102,818; Jan. 19.
Davies, Herbert L. (See Morley, H., Wilson and Davies.)
Deering Milliken & Co. Inc. (See Killars, John, Jr., assignor.)
Detroit-Michigan Stove Company. (See Maul, Henry C., assignor.)
Duncan & Miller Glass Company. (See May, Robert A., assignor.)
Dunne, William H., Jr., Toronto, Ontario, Canada. Child's ice skate. 102,779; Jan. 19.
Earl, Oliver L., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Combination washing machine cabinet and wringer head. 102,819; Jan. 19.
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. 102,820; Jan. 19.
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)

Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Display sign or similar article. 102,780; Jan. 19.
Erikson, Sofia, Foster Center, R. I. Spoon. 102,748; Jan. 19.
Evans, H. C., & Company. (See Hood, Richard W., assignor.)
Fay, William P., Chicago, Ill. Golf tee or similar article. 102,749; Jan. 19.
Feinberg, George, New York, N. Y. Textile fabric. 102,849; Jan. 19.
Feinberg, George, New York, N. Y. Textile fabric. 102,850; Jan. 19.
Feinberg, George, New York, N. Y. Textile fabric. 102,851; Jan. 19.
Finch & McCullouch. (See Lee, Gerhard M., assignor.)
Fitzmaurice, Douglas F. H., London, England. Automobile. 102,852; Jan. 19.
Forest City Foundries Company, The. (See Adams, Wilbur H., assignor.)
Forstmann, Curt E., Montclair, N. J. Textile fabric. 102,821; Jan. 19.
Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
Fostoria Glass Company. (See Williams, Findley, assignor.)
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 102,822; Jan. 19.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 102,823; Jan. 19.
Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 102,859; Jan. 19.
General Door Company. (See Brunst, William M., assignor.)
General Electric Company. (See Rainbault, John P., assignor.)
General Motors Corporation. (See Brant, Charles W., assignor.)
General Tire & Rubber Company, The. (See Anderson, George W., assignor.)
Gilbert, A. C., Company, The. (See Heller, Robert, assignor.)
Gunther, Charles LeR., and P. K. Paval, Los Angeles, Calif. Combination cigarette box and ashtray. 102,853; Jan. 19.
Guzy, Aaron, New York, N. Y. Dress. 102,824; Jan. 19.
Haas, Frank A., New York, N. Y. Rug or similar article. 102,825; Jan. 19.
Haas, Frank A., New York, N. Y. Rug or similar article. 102,826; Jan. 19.
Haas, Frank A., New York, N. Y. Rug or similar article. 102,827; Jan. 19.
Hanson, Eugene L., New York, N. Y. A textile fabric. 102,829; Jan. 19.
Hanson, Eugene L., New York, N. Y. Textile fabric. 102,828; Jan. 19.
Hanson, Eugene L., New York, N. Y. Textile fabric. 102,854; Jan. 19.
Hanson, Eugene L., New York, N. Y. Textile fabric. 102,855; Jan. 19.
Harrington, Clarence P., Indiana, Pa. Ashtray. 102,781; Jan. 19.
Heller, Robert, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn. Humidifier. 102,782; Jan. 19.
Hessberg, Irving K., assignor to Van Raalte Company, New York, N. Y. Glove. 102,783; Jan. 19.
Hirstel, Dave, assignor of one-half to Ferdinand Bendheim, San Francisco, Calif. Washing machine. 102,750; Jan. 19.
Hoffman, Alfred G., Cincinnati, Ohio, assignor to Midwest Radio Corporation. Radio cabinet. 102,784; Jan. 19.
Hoffman, Alfred G., Cincinnati, Ohio, assignor to Midwest Radio Corporation. Radio cabinet. 102,785; Jan. 19.
Hoffman, Alfred G., Cincinnati, Ohio, assignor to Midwest Radio Corporation. Radio cabinet. 102,786; Jan. 19.
Hoffman, Alfred G., Cincinnati, Ohio, assignor to Midwest Radio Corporation. Radio cabinet. 102,787; Jan. 19.
Hood, Richard W., assignor to H. C. Evans & Company, Chicago, Ill. Game device. 102,788; Jan. 19.
Houbigant, Inc. (See Manoha, Jacques, assignor.)
Indiana Fibre Products Company. (See Van Winkle, W. R., and Pavey, assignors.)
Johnston, Eugene E., assignor to Tank-Car Stations, Inc., Buffalo, N. Y. Portable gas station. 102,830; Jan. 19.
Karnes, Elizabeth, Oil City, Pa. Sadiron holder. 102,789; Jan. 19.
Karstadt, Clarence, assignor to Briggs Manufacturing Company, Detroit, Mich. Hood ornament or similar article. 102,831; Jan. 19.
Katz, Russell, assignor to Krauth & Benninghofen, Hamilton, Ohio. An orchestra stand or similar article. 102,790; Jan. 19.
Kell, David, New York, N. Y. Dress. 102,832; Jan. 19.
Killars, John Jr., Greenville, S. C., assignor to Deering Milliken & Co. Inc. Textile fabric. 102,833; Jan. 19.
Koch, Roderick M., Evansville, Ind. Floral container. 102,860; Jan. 19.
Krauth & Benninghofen. (See Katz, Russell, assignor.)
Landers, Frary & Clark. (See Anderson, Oscar M., assignor.)
Lee, Gerhard M., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill. Perpetual desk calendar. 102,751; Jan. 19.
Lee, Gerhard M., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill. Combined penholder and perpetual desk calendar. 102,752; Jan. 19.
Lee, Gerhard M., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill. Combined desk pad holder and perpetual calendar. 102,753; Jan. 19.
Lee, Gerhard M., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill. Perpetual desk calendar. 102,754; Jan. 19.
Lee, Gerhard M., assignor to W. H. McCullouch, doing business as Finch & McMullouch, Aurora, Ill. Combined perpetual calendar and holder therefor. 102,755; Jan. 19.
Lemire, Edwin A., Providence, R. I. Flexible cigarette case. 102,861; Jan. 19.
Leone, Rocco, Philadelphia, Pa. Shoe or similar article. 102,756; Jan. 19.
Levin, David, New York, N. Y. Shoe. 102,834; Jan. 19.
Levine, Alfred M., and C. Pincus, Long Beach, N. Y. Cabana. 102,791; Jan. 19.
Lewinski, George, assignor to The American-National Company, Toledo, Ohio. Velocipede. 102,757; Jan. 19.
Lewis, John H., Washington, D. C. Match folder. 102,856; Jan. 19.
Lueneburg, Walter C., Chicago, Ill. Radio cabinet or similar article. 102,835; Jan. 19.
Maclear, Lucie J., assignor to Van Raalte Company, New York, N. Y. Glove. 102,792; Jan. 19.
Manoha, Jacques, assignor to Houbigant, Inc., New York, N. Y. Combination bottle and cap. 102,758; Jan. 19.
Markel Electric Products, Inc. (See Ripley, Duane L., assignor.)
Mascali, Joseph, New York, N. Y. Shoe. 102,759; Jan. 19.
Maul, Henry C., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Gas burner. 102,760; Jan. 19.
May, Robert A., assignor to Duncan & Miller Glass Company, Washington, Pa. Ashtray or similar article. 102,761; Jan. 19.
McCullouch, W. H. (See Lee, Gerhard M., assignor.)
McGowen, Elmer H., Los Angeles, Calif. Reticule. 102,836; Jan. 19.
Mehlert, Edward, Berkeley, Calif. Game board. 102,793; Jan. 19.
Mehlert, Edward, Berkeley, Calif. Game board. 102,794; Jan. 19.
Meyer, Samuel J., New York, N. Y. Shoe. 102,762; Jan. 19.
Midwest Radio Corporation. (See Hoffman, Alfred G., assignor.)
Minoff, Jack, Newark, N. J. Knitted fabric. 102,837; Jan. 19.
Morimura, Bros. Inc. (See Buma, Yukio, assignor.)
Morley, Herbert, Detroit, L. H. Wilson, Grosse Pointe, and H. L. Davies, Detroit, Mich., assignors to Borg-Warner Corporation. Refrigerator cabinet or similar article. 102,838; Jan. 19.
Morley, Herbert, Detroit, L. H. Wilson, Grosse Pointe, and H. L. Davies, Detroit, Mich., assignors to Borg-Warner Corporation. A base unit for a cabinet or similar article. 102,839; Jan. 19.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 102,795; Jan. 19.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 102,796; Jan. 19.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 102,797; Jan. 19.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 102,798; Jan. 19.
Mullins Manufacturing Corporation. (See Earl, Oliver L., assignor.)
Narrow Fabric Company, The. (See Siner, Raymond K., assignor.)
New England Lace Mills, Inc. (See Edson, Bert, assignor.)
New Martinsville Glass Mfg. Company, The. (See Barth, Harry E., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen or other writing. 102,799; Jan. 19.
Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen or other writing implement. 102,800; Jan. 19.
Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen or other writing implement. 102,801; Jan. 19.
Parker Pen Company, The. (See Parker, Kenneth, assignor.)
Paval, Philip K. (See Gunther, Charles LeR., assignor.)
Pavey, Roland E. (See VanWinkle, W. R., and Pavey.)
Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Powder can cap. 102,857; Jan. 19.
Pincus, Charles. (See Levine, A. M., and C. Pincus.)
Rainbault, John P., New York, N. Y., assignor to General Electric Company. Clock case. 102,763; Jan. 19.

Rainbault, John P., New York, N. Y., assignor to General Electric Company. Cyclometer clock case. 102,840; Jan. 19.
Reinecke, Jean O., Chicago, Ill., assignor to The Coolerator Company, Duluth, Minn. Refrigerator. 102,802; Jan. 19.
Reinecke, Jean O., Chicago, Ill., assignor to The Coolerator Company, Duluth, Minn. Refrigerator. 102,803; Jan. 19.
Remington Arms Company. (See Boucheron, Pierre H., assignor.)
Rench, John A., Lima, Ohio. Knee rest. 102,764; Jan. 19.
Richards, Boggs and King, Inc. (See Richards, Harvey B., assignor.)
Richards, Harvey B., Lake Bluff, Ill., assignor to Richards, Boggs and King, Inc., Chicago, Ill. Rain cape. 102,841; Jan. 19.
Ripley, Duane L., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Diffuser for electric lighting fixtures. 102,858; Jan. 19.
Ritter, Saul, New York, N. Y. Watch bracelet strap. 102,765; Jan. 19.
Ritter, Saul, New York, N. Y. Watch bracelet strap. 102,766; Jan. 19.
Ritter, Saul, New York, N. Y. Watch bracelet strap. 102,767; Jan. 19.
Ritter, Saul, New York, N. Y. Bracelet chain. 102,842; Jan. 19.
Robinson, Herand, Columbus, Ohio. Instrument for locating displaced vertebra of the spine. 102,804; Jan. 19.
Rosenau Bros. Inc. (See Mullen, Mary, assignor.)
Rossman, Claire A., Bayside, N. Y. Bottle. 102,763; Jan. 19.
Ruchman, Albert, New York, N. Y. Dress. 102,843; Jan. 19.
Scheidegger, Jennie, New York, N. Y. Pincushion or similar article. 102,844; Jan. 19.
Sebring, Charles L., assignor to The Sebring Pottery Company, Sebring, Ohio. Plate or similar article. 102,862; Jan. 19.
Sebring Pottery Company, The. (See Sebring, Charles L., assignor.)
Silverman, Jacob A., New York, N. Y. Jacket. 102,845; Jan. 19.
Siner, Raymond K., Wyomissing Hills, Pa., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 102,846; Jan. 19.
Smith, Parker, Dallas, Tex. Table or similar article. 102,805; Jan. 19.
Standard Oil Company of California. (See Thompson, Erskine D., assignor.)
Steckler, Nat P., New York, N. Y. Eyecup. 102,769; Jan. 19.
Tank Car Stations, Inc. (See Johnston, Eugene E., assignor.)
Thompson, Erskine D., Burlingame, assignor to Standard Oil Company of California, San Francisco, Calif. Display counter. 102,806; Jan. 19.
Toce, Francisco A., Sr., Houston, Tex. Visible coin slot attachment for coin controlled devices. 102,847; Jan. 19.
Vamos, Alfred, New York, N. Y. Shoe. 102,848; Jan. 19.
Van Raalte Company. (See Hessberg, Irving K., assignor.)
Van Raalte Company. (See Maclear, Lucie J., assignor.)
Van Winkle, William R., and R. E. Pavey, assignors to Indiana Fibre Company, Marion, Ind. Paper plate. 102,807; Jan. 19.
Van Winkle, William R., and R. E. Pavey, assignors to Indiana Fibre Company, Marion, Ind. Paper plate. 102,808; Jan. 19.
Vuillemenot, Frederic A., Toledo, Ohio. Atomizer case. 102,770; Jan. 19.
Walker, Harvey O., Los Angeles, Calif. Ashtray. 102,771; Jan. 19.
Williams, Findley, Chicago, Ill., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl or similar article. 102,772; Jan. 19.
Wilson, Lawrence H. (See Morley, H. Wilson and Davies.)
Wutzler, Elizabeth, Alton, Ill. A shampoo board neck rest. 102,809; Jan. 19.
Ziniti, Evelyn, New York, N. Y. Shoe or similar article. 102,773; Jan. 19.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg, Walter A., assignor of one-half to B. Reinhold, Los Angeles, Calif. Automatic drilling spider. 2,068,217; Jan. 19.

Abegg, Walter A., assignor of one-half to B. Reinhold, Los Angeles, Calif. Rotary table bushing. 2,068,218; Jan. 19.

Acker, George H., Shaker Heights, assignor to The Farval Corporation, Cleveland, Ohio. Lubricating system. 2,068,391; Jan. 19.

Acker, George H., Shaker Heights, assignor to The Farval Corporation, Cleveland, Ohio. Lubricating pump. 2,068,392; Jan. 19.

Adams, John H., Seattle, Wash. Centrifically armed grenade. 2,067,999; Jan. 19.

Adams, Renard P., Buffalo, N. Y. Filter. 2,068,048; Jan. 19.

Affel, Herman A., Ridgewood, and F. H. Best, Westfield, N. J., assignors to American Telephone and Telegraph Company. Transmission measuring system. 2,068,309; Jan. 19.

Agfa Ansco Corporation. (See Zeh, W., Sieglitz, and Dabelow, assignors.)

Aktiebolaget Svenska Kullagerfabriken. (See Schlüberg, E. B., and Sandström, assignors.)

Albert, Dr. Kurt, G. m. b. H. (See Lausberg, Fritz, assignor.)

Aldrich, Alfred P., Jr., Gilford, N. H. Hopper feeder. 2,068,587; Jan. 19.

Alessi, Joseph H., assignor to G. S. Postma, Denver, Colo. Tire inflater. 2,067,882; Jan. 19.

Algee, Lucian C., Orlando, and W. E. Dickson, New Symrna, Fla. Vehicle brake. 2,068,588; Jan. 19.

Allen, Lee E., New Castle, Pa., assignor to Pennsylvania Engineering Works. Ladle structure. 2,067,883; Jan. 19.

Allgemiene Elektricitats Gesellschaft. (See Kniepen, Peter, assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Can Company. (See Nordquist, Ronald J., assignor.)

American Chemical Paint Company. (See Mackenzie, Franklin H., assignor.)

American Coating Mills. (See Elliott, William, assignor.)

American Floor Surfacing Machine Company, The. (See Kneisley, Richard F., assignor.)

American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)

American Folding Umbrella Corporation. (See Okun, Edward, assignor.)

American Hoist and Derrick Company. (See Ljungkull, Rolf E., assignor.)

American Houses, Inc. (See McLaughlin, Robert W., Jr., assignor.)

American Meter Company. (See Diehl, John C., assignor.)

American Moistening Company. (See Knight, Ira W., assignor.)

American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)

American Seal-Kap Corporation. (See Daniels, Ransom J., assignor.)

American Telephone and Telegraph Company. (See Affel, H. A., and Best, assignors.)

American Telephone and Telegraph Company. (See Ilgenfritz, Lester M., assignor.)

Anchor Cap & Closure Corporation. (See Smith, James S. B., assignor.)

Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Aromatic mercury salts of an oxygen acid of a halogen. 2,067,894; Jan. 19.

Anderson, Cecil R., Ben Avon, assignor to The Martin-Hardsoog Company, Pittsburgh, Pa. Adjustable ground rail connecter. 2,068,528; Jan. 19.

Anderson, Frederick H. (See Reid, E. H., and Anderson.)

Annen, Robert, assignor to the firm Louis Müller & Cie. S. A., Fabrique d'horlogerie "La Champagne", Bienne, Switzerland. Annular ball bearing. 2,068,589; Jan. 19.

Applestam, Charles J., Boston, Mass. Combined statue, lamp, and loudspeaker. 2,068,590; Jan. 19.

Arbib, Ida, New York, N. Y. Knitted article. 2,067,895; Jan. 19.

Armstrong Cork Company. (See Holt, Daniel S., assignor.)

Arnold, Pearl C., West Hanover, assignor to Barbour Welting Company, Brockton, Mass. Welt. 2,068,364; Jan. 19.

Artistic Lamp Manufacturing Company., (See Schwartz, Frederick, assignor.)

Ashley, Merwin F. (See Cadwell, Edwin B., assignor.)

Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Möller, Waldemar, assignor.)

Asphalt Process Corporation. (See Chaffee, Stewart W., assignor.)

Atkinson, Ralph W., Perth Amboy, N. J., assignor to General Cable Corporation, New York, N. Y. High voltage bushing. 2,068,624; Jan. 19.

Atmospheric Nitrogen Corporation. (See Kniskern, W. H., and Lawrence, assignors.)

Atwood, Harry D., et al. (See Nelson, Lewis D., assignor.)

Auflero, Emanuel, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Signaling device. 2,068,256; Jan. 19.

Auto Research Corporation. (See Bijur, Joseph, assignor.)

Automatic Products Company. (See Johnson, Roy W., assignor.)

Aynge, William E., Upper Sydenham, London, England, assignor, by mesne assignments, to Mergenthaler Linotype Company, Brooklyn, N. Y. Distributing mechanism of typographical composing and distributing machines. 2,068,310; Jan. 19.

Babinet, Marie L. A., Bologne-sur-Seine, France, assignor, by mesne assignments, to The Nitricastiron Corporation. Surface hardened cast iron articles of manufacture. 2,067,896; Jan. 19.

Babson, Roger W., Wellesley, Mass. Combined parking meter and advertising device. 2,068,121; Jan. 19.

Badollet, Marion S., Fanwood, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Water-resistant product and making the same. 2,068,219; Jan. 19.

Baechi, August, Niederuzwil, assignor to the firm Gebrüder Bühler, Uzwil, Switzerland. Machine for producing foodstuffs made of dough. 2,068,220; Jan. 19.

Baer, Alvin H., Cardondale, Pa., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Gas separation. 2,068,221; Jan. 19.

Bailey, Lawrence H., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tablet-making machine. 2,068,619; Jan. 19.

Bakelite Corporation. (See Ellingwood, F. F., Zimmerman, and Frey, assignors.)

Bakelite Corporation. (See Nash, Clarence A., assignor.)

Baidenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding machine. 2,068,529; Jan. 19.

Ballew, Dellie, Detroit, Mich. Vehicle spring. 2,068,049; Jan. 19.

Bambenek, Dominic C. (See Bambenek, Joseph B. and D. C., and Worner.)

Bambenek, Joseph B., D. C. Bambenek, and P. Worner, assignors to Peerless Chain Company, Winona, Minn. Emergency repair link. 2,068,222; Jan. 19.

Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Automatic transmission. 2,067,897; Jan. 19.

Banks, Daniel B., Upper Darby, and P. D. Barton, Wynnewood, assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa. Filtering apparatus. 2,068,257; Jan. 19.

Banning, Thomas A., Jr., Wilmette, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Refrigerator car and the like. 2,068,223; Jan. 19.

Barbour Welting Company. (See Arnold, Pearl C., assignor.)

Barclay, William R., and F. Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. 2,068,000; Jan. 19.

Barnes, Lloyd W., assignor of one-half to A. J. Drabik, Chicago, Ill. Shoe cleaning tool. 2,068,001; Jan. 19.

Barnes, Samuel W., Jackson, Mich. Firearm cleaning accessory. 2,068,637; Jan. 19.

Barton, Frank. (See Barclay, W. R., and Barton.)

Barton, Paul D. (See Banks, D. B., and Barton.)

Bassani, Laurent. (See Valentin, A., and Bassani.)

Batchelor, John C., New York, N. Y. Entertainment receiver. 2,068,002; Jan. 19.

Bates, Fred G., Highland Park, Mich. Hinge. 2,067,884; Jan. 19.

Baughman, George W., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Braking apparatus. 2,068,365; Jan. 19.

Baxter, Don, Inc. (See Edwards, Hiram W., assignor.)

Beckman, Carl, Detroit, Mich. Fuel pumping and metering device. 2,068,442; Jan. 19.

Bell Telephone Laboratories, Incorporated. (See Farkas, Samuel F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Grant, Dwight W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hoyt, Frederick A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Rockwood, George H., Jr., assignor.)

Bennett, Edgar L., Chicago, Ill. Kitchenette cabinet. 2,068,591; Jan. 19.

Bergdoll, John G., assignor to York Ice Machinery Corporation, York, Pa. Method of and apparatus for condensing refrigerant in refrigerative circuits. 2,068,478; Jan. 19.

Berger, Edwin R., et al. (See Franklin, Albert W., assignor.)

Berggren, Per J., New York, N. Y. Film gate structure for motion picture machines. 2,068,258; Jan. 19.

Berggren, Per J., New York, N. Y. Shutter structure for motion picture machines. 2,068,259; Jan. 19.

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,068,592; Jan. 19.

Bernasconi, Adolphe, Rosebank, Staten Island, N. Y. Mounting book refills. 2,068,443; Jan. 19.

Berryman, Warren C., Lakewood, Ohio. Corrosion preventing means for connections. 2,068,530; Jan. 19.

Best, Fred H. (See Affel, H. A., and Best.)

Bierman, Jordan B., New Rochelle, N. Y. Clothesrack. 2,068,285; Jan. 19.

Biggert, Florence C., Jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Clutch mechanism. 2,068,260; Jan. 19.

Bijur, George, executor. (See Bijur, Joseph.)

Bijur, Joseph, deceased, late of New York, by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 2,067,898; Jan. 19.

Binek, Martin, et al. (See Riedl, Joe T., assignor.)

Binek, Sylvester, et al. (See Riedl, Joe T., assignor.)

Binks Manufacturing Company. (See Bramsen, S., and Wahlin, assignors.)

Bishop, Harry Z., Lyons, N. Y. Antiskid tire. 2,068,050; Jan. 19.

Blake, George R., and G. W. Seymour, Cumberland, Md., assignors to Celanese Corporation of America. Textile process and product. 2,068,003; Jan. 19.

Blashill, Arthur E., Withington, Manchester, England. Wire fabric making machine. 2,068,224; Jan. 19.

Bleuel, William H., Dormont, Pa., and S. Steek, Steubenville, Ohio. Apparatus for waving human hair. 2,068,366; Jan. 19.

Blume, Carl T., Meirose, Mass. Electromagnetic motor mechanism. 2,068,531; Jan. 19.

Boddy, Edwin H., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,068,532; Jan. 19.

Bodine Corporation, The. (See Stahlhammer, Eric J., assignor.)

Bohannon, William B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for manufacturing articles. 2,068,367; Jan. 19.

Bolhofner, Peter. (See Kramer, A., and Bolhofner.)

Borchers, Henry C., Chicago Heights, Ill. Bath mitt handle. 2,068,162; Jan. 19.

Bork, George H., Holyoke, assignor to Harvey-Whipple, Inc., Springfield, Mass. Fuel delivering device. 2,068,593; Jan. 19.

Bouvier, George A., Chicago, and H. W. Larson, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Securing device. 2,068,368; Jan. 19.

Bowen, Albert H., and T. W. Dike, assignors to I. F. Laucks, Inc., Seattle, Wash. Potentially reactive synthetic resin film. 2,068,479; Jan. 19.

Bowersock, Wilber E., and F. J. Spiess, assignors to The Rochester Folding Box Co., Rochester, N. Y. Method of and apparatus for making containers. 2,068,163; Jan. 19.

Brackett, Clare L. (See Stoll, Albert, assignor.)

Brady, Raymond F., Collingswood, N. J., assignor to Radio Corporation of America. Projection printer. 2,068,480; Jan. 19.

Bragg, Gilbert A., Pittsburgh, Pa., assignor, by mesne assignmens, to Koppers Company. Manufacture of ammonium sulphate. 2,067,899; Jan. 19.

Bramsen, Svend, and F. W. Wahlin, assignors to Binks Manufacturing Company, Chicago, Ill. Material-discharge control valve for spray guns. 2,068,161; Jan. 19.

Branch, Ida L. (See Tate, Otto C., Sr., assignor.)

Brantly, Newby O., assignor to Penn Elastic Company, Inc., Philadelphia, Pa. Knitting machine for manufacture of elastic strips or pieces. 2,067,900; Jan. 19.

Breckenridge, Robert W., Ridgewood, N. J., assignor to Reynolds Metals Company, New York, N. Y. Tear tab closure. 2,068,444; Jan. 19.

Bridenbaugh, Elmer H. (See Steckel, E. A., Jr., and Bridenbaugh.)

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Brightwell, Thaddeus S., Rankin, assignor of one-fourth to W. E. Scholtz, Braddock, Pa. Cutting machine. 2,068,445; Jan. 19.

Brinton, H., Company. (See Horrocks, Harry S., assignor.)

Brodewitz, Olga, Essen, Germany. Clothes hanger. 2,068,446; Jan. 19.

Broich, Franz. (See Schuster, C., and Broich.)

Brown & Bigelow. (See Winford, Orion P., assignor.)

Brown, Charles J., St. Paul, Minn. Faucet. 2,068,369; Jan. 19.

Brown, Cicero C., Houston, Tex. Setting tools for packers and the like. 2,067,885; Jan. 19.

Brown, Colin, Rochester, N. Y. Pump valve. 2,068,481; Jan. 19.

Brown Company. (See Richter, George A., assignor.)

Brown, Elmer. (See Frey, C. N., Schultz, and Brown.)

Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Transmitting antenna. 2,068,261; Jan. 19.

Brown, Raymond W., New York, N. Y. Loose leaf book. 2,068,262; Jan. 19.

Brown, William R., Chicago, Ill. Air valve for spray guns. 2,068,225; Jan. 19.

Bruson, Herman A., and L. W. Covert, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa. Reaction product and process. 2,068,634; Jan. 19.

Bryant, George W., assignor to Skenandoa Rayon Corporation, Utica, N. Y. Process and apparatus for the manufacture of rayon. 2,068,032; Jan. 19.

Buck, Walter F., Brighton, Boston, Mass. Changeable exhibitor. 2,068,226; Jan. 19.

Buek, Tycho, Jr., Wynnewood, Pa., assignor to C. H. Daniels, Wellesley Hills, Mass. Shoe. 2,068,482; Jan. 19.

Buhr, Joseph F., assignor to Buhr Machine Tool Company, Ann Arbor, Mich. Bearing structure for rotatable spindles and the like. 2,068,594; Jan. 19.

Buhr Machine Tool Company. (See Buhr, Joseph F., assignor.)

Bulwa, Nathan, Bronx, and E. Feibusch, Brooklyn, N. Y., said Feibusch assignor to said Bulwa. Tab. 2,068,393; Jan. 19.

Burckhalter, Robert N., and J. M. Osburn, Michigan City, Ind., assignors to Michiana Products Corporation. Filter and heat exchanger. 2,068,394; Jan. 19.

Burckhalter, Robert N., and J. M. Osburn, Michigan City, Ind., assignors to Michiana Products Corporation. Filter and heat exchanger. 2,068,395; Jan. 19.

Burhans, William G., Kingston, N. Y. Filter cartridge and cylinder. 2,068,263; Jan. 19.

Burns, Laurence, Revere, assignor to Hygrade Sylvania Corporation, Salem, Mass. Gaseous or vapor arc discharge lamp. 2,068,595; Jan. 19.

Burns, Wilford E., Burlingame, Calif., assignor to M. J. B. Company. Can body forming machine. 2,068,264; Jan. 19.

Burt, F. N., Company. (See Dickermann, H. K., and McCarthy, assignors.)

Burton, Lester A., Fanwod, asignor to R. B. Ogden, Cranford, N. J. Shaping device. 2,068,625; Jan. 19.

Busch-Sulzer Bros.-Diesel Engine Company. (See Schneider, Rudolph, assignor.)

Bush, Rankin J., Jeanette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Inertia operated control device. 2,068,370; Jan. 19.

Buxbaum, Edwin C., Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aralkylaminoanthraquinone compounds. 2,068,371; Jan. 19.

Buxbaum, Edwin C., Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aralkylaminoanthraquinone compounds. 2,068,372; Jan. 19.

Buxbaum, Edwin C., Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing diamino-diphenoxy-anthraquinone disulphonic acids. 2,068,373; Jan. 19.

Byford Electric Hammer Co. (See Byford, Horace, assignor.)

Byford, Horace, assignor to Byford Electric Hammer Co., Inc., Seattle, Wash. Free piston power hammer. 2,067,886; Jan. 19.

Cadwell, Edwin B., Saugerties, assignor to M. F. Ashley, Brooklyn, N. Y. Preparing road paving compositions. 2,068,164; Jan. 19.

Calco Chemical Co., The. (See Klipstein, Kenneth H., assignor.)

Camp, Eugene V., Atlanta, Ga. Road guard. 2,067,887; Jan. 19.

Canton, Tracy M., and W. B. Tucker, Grand Rapids, assignors to Nunut Foods, Inc., Plainwell, Mich. Food product. 2,068,051; Jan. 19.

Carburetted Gas, Inc. (See Nagel, Theodore, assignor.)

Carey, Philip, Manufacturing Company, The. (See Hindall, Clarence D., assignor.)

Caribonum Limited. (See Francis, Frederick G., assignor.)

Carlson, John E., Forestville, Conn., assignor to The Trumbull Manufacturing Company, Plainville, Conn. Thermostatic switch. 2,068,374; Jan. 19.

Carothers, Wallace H. (See Carpenter, G. B., and Carothers.)

Carpenter, Gilbert B., Framingham, Mass., and W. H. Carothers, Fairville, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carboxylic acids. 2,068,265; Jan. 19.

Carpentier, Paul, Söhne Bucherfabrik Aktiengesellschaft. (See Fahrnbühl, Jean, assignor.)

Case, J. I., Company. (See Davies, David P., assignor.)

Cassidy, Eugene H. (See Newton, Frank H., assignor.)

Catland, Alfred C. (See Howard, J. H., and Catland.)

Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Roller bit. 2,068,375; Jan. 19.

Celanese Corporation of America. (See Blake, G. R., and Seymour, assignors.)
Celanese Corporation of America. (See Dickie, W. A., Moncrieff, and North, assignors.)
Celanese Corporation of America. (See Dreyfus, H., and Taylor, assignors.)
Celanese Corporation of America. (See Fulton, Stephen M., assignor.)
Celanese Corporation of America. (See Jabouley, J., and Yeadon, assignors.)
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Celon Company, The. (See Nygard, Hallward F., assignor.)
Centrifugal Pipe Corporation. (See Pardun, Carl, assignor.)
Chadwick, Lee S., Shaker Heights, and C. J. Kessler, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Oil stove or range. 2,068,122; Jan. 19.
Chaffee, Stewart W., assignor to Asphalt Process Corporation, New York, N. Y. Covering material and making the same. 2,068,396; Jan. 19.
Chamberlin, Dale S., Bethlehem, Pa., assignor to National Oil Products Company, Harrison, N. J. Treatment of textile fibers and the results produced thereby. 2,067,888; Jan. 19.
Chapman, Paul, New York, N. Y. Crane construction. 2,068,397; Jan. 19.
Chase-Shawmut Company, The. (See Wood, Morris B., assignor.)
Chemical Construction Corp. (See Oliver, Thomas C., assignor.)
Chicago Railway Equipment Company. (See Murphy, Lewis S., assignor.)
Chicago Telephone Supply Company. (See Schellenger, N. C., and Haselwood, assignors.)
Chrysler Corporation. (See Schuyler, George L., assignor.)
Cincinnati Traction Building Co., The. (See Schoepf, T. H., and Ritchie, assignors.)
Clayton-Kennedy, Nance, London, England. Composition for etching and etching transfers. 2,067,925; Jan. 19.
Cleveland, Clarence E., and V. E. Peterson, Salina, Kans. Coloring stone. 2,068,483; Jan. 19.
Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)
Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Thermostatic unit. 2,068,626; Jan. 19.
Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
Coddington, Edwin D., Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y. Joist. 2,068,052; Jan. 19.
Coffey, Irven E., St. Louis, Mo. Automatic starting system. 2,068,484; Jan. 19.
Coffman, Alden W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Laminated article. 2,068,533; Jan. 19.
Collingbourne, Albert B., Elgin, Ill. Dental floss applicator. 2,067,889; Jan. 19.
Collins & Aikman Corporation. (See Costello, Joseph P., assignor.)
Collord, George L., Pittsburgh, Pa. Post driver. 2,067,890; Jan. 19.
Communication Patents, Inc. (See Nicolson, Alexander M., assignor.)
Comper, Adrian, assignor to Hospital Appliances, Inc., Pittsfield, Mass. Leg-supporting means for obstetrical beds. 2,067,891; Jan. 19.
Compo Shoe Machinery Corporation. (See Kramer A., and Bolhofner, assignors.)
Compo Shoe Machinery Corporation. (See Tempesta, Arthur T., assignor.)
Condon, Edward T., New York, N. Y. Regulating valve for carburetors. 2,067,901; Jan. 19.
Condon, Edward T., New York, N. Y. Air regulating valve for carburetors. 2,067,902; Jan. 19.
Cones, C. B., & Son Mfg. Co. (See Patrick, Edwin L., assignor.)
Conrady, John A., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigerating device. 2,068,398; Jan. 19.
Consolidated Machine Tool Corporation. (See Trosch, Alfred, assignor.)
Container Opening Devices, Inc. (See Grounds, Charles H., assignor.)
Container Opening Devices, Inc. (See Schmidt, Gottfried J., assignor.)
Continental Motors Corporation. (See Timian, Harold H., assignor.)
Cooper, Erwin C., Roseville, assignor to Packard Motor Car Company, Detroit, Mich. Testing apparatus. 2,067,892; Jan. 19.
Corson, Eustace B. (See Cutler, D. R., and Corson.)
Costello, Joseph P., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Take-up mechanism. 2,068,534; Jan. 19.
Covert, Lloyd W. (See Bruson, H. A., and Covert.)
Cox, George C., Modesto, Calif. Continuous high temperature electrothermal furnace. 2,068,447; Jan. 19.
Cox, George C., Charleston, W. Va. Continuous high temperature electro-thermal process. 2,068,448; Jan. 19.
Cox, James L., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Vapor discharge device. 2,068,596; Jan. 19.
Craig, John F., Upper Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 2,068,376; Jan. 19.
Crandall, Delmar G., Bakersfield, Calif. Locating cement. 2,068,535; Jan. 19.
Crittenden, Phillip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Lubricating device. 2,068,377; Jan. 19.
Crosley Radio Corporation, The. (See Conrady, John A., assignor.)
Curie, George L., and W. H. F. Thompson, assignors to The Monomelt Company, Minneapolis, Minn. Method and apparatus for handling type metal. 2,068,004; Jan. 19.
Curtis Publishing Company. (See Grammer, Allen L., assignor.)
Cutler, David R., Quincy, Mass., and E. B. Corson, Rochester, N. H., assignor of one-third to R. Wolcott, Sharon, Mass. Automatic control for radio apparatus. 2,608,227; Jan. 19.
Cutler-Hammer, Inc. (See Kuhn, C. W., and Robbins, assignors.)
Cutler-Hammer, Inc. (See Schmidt, Edwin X., assignor.)
Dabelow, Martin. (See Zeh, W., Sieglitz, and Dabelow.)
Daland, Elliot. (See Wilford, Edward B., assignor.)
Damitz, Frederick M. (See Harvey, M. T., and Damitz.)
Daniels, Claude H. (See Buek, Tycho, Jr., assignor.)
Daniels, Ransom J., Whitestone, assignor to American Seal-Kap Corporation, Long Island City, N. Y. Bottle capping mechanism. 2,068,165; Jan. 19.
Dash, Cyrus C., Lakewood, J. G. Higgins, Cleveland, and J. H. Hertner, Lakewood, assignors to The Hertner Electric Company, Cleveland, Ohio. Connecter. 2,068,399; Jan. 19.
Daudt, Herbert W., and M. A. Youker, Wilmington, and E. L. Mattison, Richardson Park, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Antimony trifluoride preparation. 2,068,005; Jan. 19.
Davies, David P., assignor to J. I. Case Company, Racine, Wis. Pump. 2,068,536; Jan. 19.
Davis, Joseph R., Clarksburg, W. Va. Method and apparatus for introducing explosive charges into internal combustion engines. 2,068,311; Jan. 19.
Davis, Respess H., Henry, Va. Centrifugal pump. 2,067,903; Jan. 19.
Dazey Churn & Manufacturing Co. (See Dazey, Harry L., assignor.)
Dazey, Harry L., Clayton, Mo., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo. Device for opening cans. 2,068,597; Jan. 19.
Deckel, Friedrich. (See Zwick, Kürt, assignor.)
Decker Screw Products Co. (See Konkle, Walter R., assignor.)
De Frances, Lawrence, New York, N. Y. Shirt holder. 2,068,006; Jan. 19.
Delamere Company. (See Goodman, Abraham, assignor.)
De Laval Separator Company, The. (See Strezynski, George J., assignor.)
Del-Mac Shoe Process Corporation, The. (See Maccarone, Fred, assignor.)
De Port, Théophile, New Carlisle, Ohio. Cowling attachment. 2,067,904; Jan. 19.
De Rome, Lester L., Chicago, Ill. Sanitary tooth cleanser. 2,068,400; Jan. 19.
Dettwyler, William, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogen-amino-flavanthrones and producing the same. 2,068,312; Jan. 19.
Dettwyler, William, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the anthraquinone series and producing the same. 2,068,313; Jan. 19.
De Vry, Herman A., Chicago, Ill. Portable projector. 2,067,893; Jan. 19.
Diamond Power Specialty Corporation. (See Howse, Curtis L., assignor.)
Dick, Herman J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,068,007; Jan. 19.
Dickermann, Harry K., Buffalo, and J. W. McCarthy, Lockport, N. Y., assignors to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Pneumatic control for box machines. 2,068,008; Jan. 19.
Dickie, William A., R. W. Moncrieff, and C. W. North, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production and treatment of artificial filaments, threads, foils, and the like. 2,067,905; Jan. 19.
Dickson, Walker E. (See Algee, L. C., and Dickson.)
Diehl, John C., Erie, Pa., assignor to American Meter Company, New York, N. Y. Diaphragm meter. 2,068,378; Jan. 19.
Dike, Theodore W. (See Bowen, A. H., and Dike.)
Dinsmore, Caswell P., Cheney, Wash. Bench vise. 2,068,228; Jan. 19.
Ditto, Incorporated. (See Marchev, Alfred, assignor.)
Dodge, Paul E., Detroit, Mich. Welding apparatus. 2,068,166; Jan. 19.
Doherty Research Company. (See Miller, Benjamin, assignor.)

Doose, Harry C., Spokane, Wash. Arm rest. 2,068,009; Jan. 19.
Dorn, Frank, Everett, Wash. Current deflector. 2,068,537; Jan. 19.
Dotterer, Frank A., assignor to R-B-M Manufacturing Company, Logansport, Ind. Multiple terminal connecter. 2,067,314; Jan. 19.
Dourif, Henry, Huntington, W. Va. Manufacture of pigments. 2,067,906; Jan. 19.
Downs, Arthur R., Brighton, England. Gramophone or the like. 2,068,449; Jan. 19.
Drabik, Andrew J. (See Barnes, Lloyd W., assignor.)
Dreyfus, Henry, London, England. Manufacture of acetaldehyde. 2,068,010; Jan. 19.
Dreyfus, Henry, London, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of filaments or the like of cellulose derivatives. 2,068,538; Jan. 19.
Dromgold, Gertrude, executrix. (See Dromgold, Loy S.)
Dromgold & Glenn. (See Dromgold, Loy S., assignor.)
Dromgold, Loy S., deceased, late of Chicago, Ill., G. Dromgold, executrix, assignor, by mesne assignments, to Dromgold & Glenn, Chicago, Ill. Refrigerator car. 2,068,401; Jan. 19.
Duff, William A. (See Hill, Robert, assignor.)
Duffing, Paul, Berlin-Siemensstadt, and W. Hergert, Berlin-Conradshohe, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor-operated mechanism for circuit breakers. 2,068,402; Jan. 19.
Duplate Corporation. (See Haux, Elmer H., assignor.)
Duplate Corporation. (See Sherts, James H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carpenter, G. B., and Carothers, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dettwyler, William, assignor.)
Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., and Tinker, assignors.)
Du Pont, E. I., de Nemours & Company. (See McBurney, D., and Nollau, assignors.)
Du Pont, E. I., de Nemours & Company. (See Neal, Arthur M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Remler, Raymond, assignor.)
Du Pont, E. I., de Nemours & Company. (See Rintelman, W. L., and Lycan, assignors.)
Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
Dura Company. (See Miller, Dorr, assignor.)
Dwight, Russell S., assignor to The Stearns & Foster Company, Cincinnati, Ohio. Batting package. 2,068,167; Jan. 19.
E. A. Laboratories, Inc. (See Aufiero, Emanuel, assignor.)
Earnshaw Knitting Company. (See Le Coney, Joseph H., assignor.)
Eberly, Ralph, Dalton, Ohio. Feed grinder. 2,068,450; Jan. 19.
Echternach, Albert V. (See Harrison, M. E., and Echternach.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Edwards, Carl D., Manhattan Beach, Calif. Oil burner. 2,068,286; Jan. 19.
Edwards and Company. (See Miller, Christian, assignor.)
Edwards, Donald V., Montclair, and E. K. Smith, East Orange, N. J., assignors to Electrons, Inc. of Delaware. Discharge tube. 2,068,539; Jan. 19.
Edwards, Hiram W., Los Angeles, assignor to Don Baxter, Inc., Glendale, Calif. Mirror, making same, and composition of reflecting element therefor. 2,067,907; Jan. 19.
Ehrlich, William, assignor of forty-five per cent to A. J. Fihe, Chicago, Ill. Pie container and display support. 2,068,540; Jan. 19.
Ehrsam, J. B., & Sons Mfg. Co., The. (See Ehrsam, William J., assignor.)
Ehrsam, William J., assignor to The J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kans. Hammer mill. 2,068,599; Jan. 19.
Ekbom, Hilmer N., Chicago, Ill. Automatic lubricator. 2,068,168; Jan. 19.
Ekstrom, Albin L., Portland, Oreg. Vehicular apparatus. 2,068,403; Jan. 19.
Electric Storage Battery Company, The. (See Galloway, Charles D., assignor.)
Electrolux Corporation. (See Linghammar, Lizzie, assignor.)
Electrons, Inc. of Delaware. (See Edwards, D. V., and Smith.)
Ellingwood, Finley F., Metuchen, N. J., A. S. Zimmerman, Pelham Manor, and S. Frey, Brooklyn, N. Y., assignors to Bakelite Corporation, New York, N. Y. Smoking pipe or similar article. 2,068,598; Jan. 19.
Ellingworth, Samuel, N. H. Haddock, F. Lodge, and C. H. Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Anthraquinone dyes and preparing the same. 2,068,124; Jan. 19.
Elliott, William, assignor to American Coating Mills, Elkhart, Ind. Clutch. 2,068,123; Jan. 19.
Elmendorf, Armin, Winnetka, Ill. Fastening panels that shrink. 2,068,098; Jan. 19.
Elmore, George I., Omaha, Nebr. Rack for garment hangers. 2,068,451; Jan. 19.
Emerson Apparatus Company. (See Wasson, John E., assignor.)
Engel, Abraham, New York, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Tire valve. 2,068,266; Jan. 19.
Engel, Albert W., Chicago, Ill. Transparent display and filing device. 2,068,011; Jan. 19.
Engle, Melvin D., Winchester, Mass. Separation of liquids and solids. 2,068,099; Jan. 19.
Entz, Theodore B., New Rochelle, N. Y. Storage battery separator protector and plate support. 2,068,267; Jan. 19.
Epstein, Albert K., and B. R. Harris, Chicago, Ill., assignors to Standard Brands, Incorporated, New York, N. Y. Process and product for manufacturing leavened bread. 2,067,908; Jan. 19.
Erdmann, Wilhelm, Munich, Germany. Nonskidding device for use on road vehicles. 2,068,541; Jan. 19.
Erich, Reuben, Avenal, assignor of one-third to W. J. Erich, and one-third to W. G. Erich, San Joaquin County, Calif. Automatic signal actuating switch for vehicles. 2,068,315; Jan. 19.
Erich, Walter G., et al. (See Erich, Reuben, assignor.)
Erich, William J., et al. (See Erich, Reuben, assignor.)
Evans, Ralph L., assignor to Zotos Corporation, New York, N. Y. Hair waving pad. 2,068,169; Jan. 19.
Exact Weight Scale Company. (See Okey, Perry, assignor.)
Fahrnbühl, Jean, Lucerne, assignor to Paul Carpentier Söhne Bucherfabrik Aktiengesellschaft, Zurich, Switzerland. Holding device for the sheets of loose leaf books. 2,068,229; Jan. 19.
Farkas, Samuel F., Fairfield, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current regulator. 2,068,316; Jan. 19.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,068,317; Jan. 19.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,068,318; Jan. 19.
Farrell, Anna E., Seattle, Wash. Duplex hair waver. 2,068,170; Jan. 19.
Farval Corporation, The. (See Acker, George H., assignor.)
Fehrle, Alfred. (See Streitwolf, K., Fehrle, and Herrmann.)
Feibusch, Emanuel. (See Bulwa, N., and Feibusch.)
Felton & Son, Inc. (See Staves, Frank O., assignor.)
Fetter, Edward, deceased, F. A. Kemler, executrix, assignor, by mesne assignments, to H. V. Lucas, Baltimore, Md. Removing hair. 2,067,909; Jan. 19.
Fihe, Albert J. (See Ehrlich, William, assignor.)
Fikentscher, Hans. (See Mark, H., Fikentscher, Hengstenberg, and Süsich.)
Fillbrandt, George F., assignor to Perfection Pack Company, Inc., St. Joseph, Mich. Basket liner. 2,068,404; Jan. 19.
Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Condenser. 2,068,100; Jan. 19.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe rest. 2,068,012; Jan. 19.
First National Bank and Trust Company of Minneapolis, Trustee. (See Harper, Harry D., assignor.)
Firth, David, assignor to Marvel Carbureter Company, Flint, Mich. Carburetor. 2,068,127; Jan. 19.
Fishburne, Edward B., Anniston, Ala. Breathing device. 2,068,171; Jan. 19.
Fitch, Ellery R., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control. 2,068,319; Jan. 19.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,068,405; Jan. 19.
Fitz Simons, Ogden, and R. A. Jack, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Refining motor fuels. 2,068,126; Jan. 19.
Fleischhauer, Richard, Frankfort-on-the-Main, Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Mono-azodyestuffs. 2,068,172; Jan. 19.
Fletcher, John, Kenmore, assignor to Plastergon Wall Board Company, Buffalo, N. Y. Coating composition and production thereof. 2,067,910; Jan. 19.
Focke, Theodore B. (See Resek, M., and Focke.)
Food Machinery Corporation. (See Hait, James M., assignor.)
Food Machinery Corporation. (See Sharma, Jagan N., assignor.)
Foster, Nathaniel L. (See Manson, George J., assignor.)
Fractionator Company, The. (See Stoltz, Hubert R., assignor.)
Francis, Frederick G., Leyton, London, England, assignor to Caribonum Limited, London, England. Transfer compositions and the printing thereof. 2,068,268; Jan. 19.

Franklin, Albert W., New York, N. Y., assignor of one-half to E. R. Berger, West Long Branch, N. J., and J. Foster, Bright Waters, N. Y. Radio tube socket. 2,068,230; Jan. 19.

Frantz, Samuel G., B. S. McCutchen, W. van B. Roberts, and J. Q. Stewart, Princeton, N. J. Game and apparatus therefor. 2,068,379; Jan. 19.

Freed, Edith F. (See Freed, Joseph P., assignor.)

Freed, Joseph P., assignor to E. F. Freed, Los Angeles, Calif. Fluid flow control apparatus. 2,068,406; Jan. 19.

Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Automatically restarting electric motors. 2,068,600; Jan. 19.

Freund, Robert R., Denver, Colo. Machine for cleaning seeds. 2,068,101; Jan. 19.

Frey, Charles N., A. S. Schultz, and E. B. Brown, New York, N. Y., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Making leavened bread. 2,067,911; Jan. 19.

Frey, Charles N., and A. Schultz, New York, N. Y., assignors to Standard Brands Incorporated, New York, N. Y. Bread manufacture and compositions of matter for use in same. 2,067,912; Jan. 19.

Frey, Samuel. (See Ellingwood, F. F., Zimmerman, and Frey.)

Fridlender, Charles M., and E. A. Fridlender, Seattle, Wash. Juice extractor. 2,068,013; Jan. 19.

Fridlender, Ethel A. (See Fridlender, Charles M. and E. A.)

Fulton, Stephen M., Spondon, near Derby, England, assignor to Celanese Corporation of America. Measuring yarns. 2,068,014; Jan. 19.

Gabor, Denes, Budapest, Hungary. Electric lamp. 2,068,287; Jan. 19.

Gabrielson, Carl, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,068,269; Jan. 19.

Gahl, William E. (See Jakoubek, F. J., and Gahl.)

Gaines, Ernest L., Seattle, Wash. Fluid control system. 2,068,102; Jan. 19.

Gaire, Paul G., New York, N. Y. Hair waving method. 2,068,174; Jan. 19.

Galford, Everett H., Covington, Va. Combination angle indicator and try square. 2,068,128; Jan. 19.

Galloway, Charles D., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Oscillating wiping machine. 2,068,601; Jan. 19.

Galvés, Albert, Oran, Algeria. Resilient compression annull. 2,068,173; Jan. 19.

Gannett, Homer E., Berwyn, Ill. Brake head. 2,068,015; Jan. 19.

Garfinkel, Mayer. (See Goldstein, A. M., and Garfinkel.)

Gatch Brush & Wire Goods Company. (See Wasson, James G., assignor.)

Gayer, Frederick H., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Polymerizing olefins. 2,068,016; Jan. 19.

Gayter, Eric, and A. S. Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England. Assembling mechanism of typographical composing machines. 2,068,288; Jan. 19.

Gebrüder, Bühler. (See Baechi, August, assignor.)

Geddes, William L., Sussex, N. Y., assignor to MacAndrews and Forbes Company, Camden, N. J. Making licorice mass. 2,067,913; Jan. 19.

Gehman, Ernest G., Harrisonburg, Va. Multiple spinning top device. 2,068,053; Jan. 19.

General Aniline Works, Inc. (See Fleischhauer, Richard, assignor.)

General Aniline Works, Inc. (See Huber, E., and Vogt, assignor.)

General Aniline Works, Inc. (See Schuster, C., and Broich, assignors.)

General Cable Corporation. (See Atkinson, Ralph W., assignor.)

General Door Company. (See Greegor, Ralph H., assignor.)

General Electric Company. (See Boddy, Edwin H., assignor.)

General Electric Company. (See Knight, James L., assignor.)

General Electric Company. (See Linde, Leonard J., assignor.)

General Electric Company. (See Masnou, Maurice, assignor.)

General Electric Company. (See Michelsen, G., Eberhard, assignor.)

General Electric Company. (See Reid, E. H., and Anderson, assignors.)

General Electric Company. (See Ross, Aubrey A., assignor.)

General Electric Company. (See St. Palley, Zoltan O., assignor.)

General Electric Company. (See Smith, Aubrey, assignor.)

General Electric Company. (See Stark, Georg, assignor.)

General Electric Company. (See Stratton, Jerry L., assignor.)

General Electric Company. (See Tritle, John F., assignor.)

General Electric Company. (See von Hoorn, Fred G., assignor.)

General Motors Corporation. (See Dick, Herman J., assignor.)

General Motors Corporation. (See Gayer, Frederick H., assignor.)

General Motors Corporation. (See Henney, Charles F., assignor.)

General Motors Corporation. (See Kull, W. A., and Wade, assignors.)

General Motors Corporation. (See Laszlo, Andrew, assignor.)

General Motors Corporation. (See McPherson, Hal W., assignor.)

General Motors Corporation. (See Ross, John, assignor.)

General Motors Corporation. (See Sittler, Edwin C., assignor.)

General Refractories Company. (See Heuer, Russell P., assignor.)

Gershune, Julius, Louisville, Ky. Shoetree. 2,068,231; Jan. 19.

Gershune, Julius, Louisville, Ky. Shoetree. 2,068,232; Jan. 19.

Gerson, Kurt A., London, England. Composition for regenerating air for breathing. 2,068,485; Jan. 19.

Geurink, Louis H., East Cleveland, assignor to The Patrol Valve Company, Cleveland, Ohio. Gas range burner ignition device. 2,068,542; Jan. 19.

Gilbert, Charles E., New York, N. Y. Electrical connecter. 2,068,486; Jan. 19.

Given, Jay A., Dunsmuir, Calif. Track level indicator. 2,068,017; Jan. 19.

Glidden Company, The. (See O'Brien, William J., assignor.)

Globe Oil Tools Company. (See Catland, Alfred C., assignor.)

Globe Oil Tools Company. (See Howard, J. H., and Catland, assignors.)

Godfrey, Vincent H., United States Navy. Salinometer. 2,067,914; Jan. 19.

Goeriz, Oscar C. (See Wetmore, L. S., and Goeriz.)

Goetz, John, Wauwatosa, Wis. Stoker. 2,068,018; Jan. 19.

Goldsmith, Alfred N., New York, N. Y. Radio receiving set. 2,068,233; Jan. 19.

Goldstein, Albert M., Far Rockaway, and M. Garfinkel, Brooklyn, assignors to Sanita Wrapped Products Corp., New York, N. Y. Packaging machine. 2,068,407; Jan. 19.

Goodman, Abraham, Brooklyn, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,068,602; Jan. 19.

Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)

Goodman-Manufacturing Company. (See Pray, Thomas E., assignor.)

Goodrich, B. F., Company, The. (See Meyer, Ernest, assignor.)

Gorrell, Edmund M., Columbus, Ohio. Pencil and eraser holder. 2,068,487; Jan. 19.

Gottwald, Christian, Cleveland Heights, assignor to The Ric-Wil Company, Cleveland, Ohio. Thermo nonconducting packing material. 2,068,019; Jan. 19.

Grammer, Allen L., Meadowbrook, assignor to Curtis Publishing Company, Philadelphia, Pa. Bookbinding. 2,068,603; Jan. 19.

Grant, Dwight W., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance device. 2,068,320; Jan. 19.

Grath, Walter P., Los Angeles, Calif. Safety razor. 2,068,380; Jan. 19.

Greegor, Ralph H., Columbus, Ohio, assignor to General Door Company, Reno, Nev. Door operating mechanism. 2,068,543; Jan. 19.

Greulach, Paul J., Fort Wayne, Ind. Electrical cleaning bath. 2,068,408; Jan. 19.

Grip, Carl A. O. (See Pikul, J. H., and Grip.)

Grodetzky & Polák. (See Polák, Bohumil, assignor.)

Grounds, Charles H., Colonie, assignor to Container Opening Devices, Inc., New York, N. Y. Container opening device. 2,068,020; Jan. 19.

Gubelmann, Ivan, Wilmington, Del., and J. M. Tinker, Pennsgrove, N. J., assigors to E. I. du Pont de Nemours & Company, Wilmington, Del. Benzoyl benzoic acid compounds and producing the same. 2,068,321; Jan. 19.

Gurney, Joseph T., Johnson City, N. Y. Selective hair trigger and safety. 2,068,289; Jan. 19.

Guthard, Edgar C. (See Johnson, Frank T., assignor.)

Guthard, Edgar C. (See Orr, Walter L., assignor.)

Haan, Gilbert J., Jr., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle. 2,068,129; Jan. 19.

Haddock, Norman H. (See Ellingworth, S., Haddock, Lodge, and Lumsden.)

Haeberlin, George, Paterson, N. J., assignor to Textile Dyeing and Printing Co. of America, Inc. Apparatus for the continuous treatment of textile fabrics with liquids. 2,067,915; Jan. 19.

Haffner, Grover C., and M. V. Haffner, Los Angeles, Calif. Lawn mower attachment. 2,067,916; Jan. 19.

Haffner, Marie V. (See Haffner, Grover C. and M. V.)

Hagle, George W., Hillsboro, Oreg. Cemetery ground vase. raised type. 2,068,290; Jan. 19.

Hagle, George W., Hillsboro, Oreg. Cemetery ground vase, flush type. 2,068,291; Jan. 19.

Hahn, Henry J., Buffalo, N. Y. Battery clamp. 2,068,544; Jan. 19.

Hähnle, Hermann, Glengen-on-the-Brenz, Germany. Device for feeding high pressure boilers. 2,068,409; Jan. 19.

Haig, William A., Milwaukee, Wis., assignor to National Electric Products Corporation. Grounding means. 2,068,545; Jan. 19.

Haislip, Albert S., Fredericksburg, Va. Belt-type fishing rod holder. 2,068,054; Jan. 19.

Hait, James M., Los Angeles, Calif., assignor to Food Machinery Corporation. Lubricating a deep well pump. 2,068,175; Jan. 19.

Hamman, Myron A., Chicago, Ill. Bushing extracting and inserting tool. 2,068,021; Jan. 19.

Hammel, Victor F., New York, N. Y. Tubular structure. 2,068,022; Jan. 19.

Hammer-Bray Company. (See Leonard, Joseph E., assignor.)

Hammond, Grant, New Haven, Conn. Mechanical movement. 2,068,488; Jan. 19.

Hampton Company. (See McConnell, Thomas, assignor.)

Hanke, Frank C., and W. B. Rhea, Oakland, Calif. Photographic camera and projector apparatus. 2,068,410; Jan. 19.

Hansen, Alvin W., McKees Rocks, assignor of twelve percent to J. H. Messick, twenty-five percent to E. Jordan, Pittsburgh, and twelve percent to P. W. Yewusiak, McKees Rock, Pa. Boltless battery terminal clamp. 2,068,452; Jan. 19.

Hansen, James, Flushing, N. Y. Valve. 2,067,917; Jan. 19.

Hardy, Charles, Pelham Manor, assignor, by mesne assignments, to Charles Hardy, Inc., New York, N. Y. Metallurgy. 2,068,322; Jan. 19.

Hardy, Charles, Inc. (See Hardy, Charles, assignor.)

Harold, Joseph F. X., New York, N. Y. Textile fiber and waterproofing and strengthening the same. 2,068,546; Jan. 19.

Harp, Essie P., Independence, Mo. Sanitary dispenser. 2,068,023; Jan. 19.

Harper, Harry D., assignor, by mesne assignments, to First National Bank and Trust Company of Minneapolis, Minneapolis, Minn., as trustee for Margaret Kruse Harper Trust. Apparatus for making coffee infusions and other infusions. 2,067,918; Jan. 19.

Harper, Margaret Kruse, Trust. (See Harper, Harry D.)

Harrington, Enos B. (See Tullgren, John G., assignor.)

Harris, Benjamin R. (See Epstein, A. K., and Harris.)

Harris, Benjamin R., Chicago, Ill. Reducing dustiness of dusty materials. 2,068,489; Jan. 19.

Harris, Moses H., New York, N. Y. Spectacle level. 2,068,103; Jan. 19.

Harrison, Albert D., Hampstead, Quebec, Canada. Self regulating fluid pressure valve. 2,068,130; Jan. 19.

Harrison, Merton E., Rancho Santa Fe, and A. V. Echternach, Beverly Hills, Calif., said Echternach assignor to said Harrison. Display turnstile. 2,068,323; Jan. 19.

Harvel Corporation, The. (See Harvey, M. T., and Damitz, assignors.)

Harvey, Leo M., Los Angeles, Calif. Fruit clipper, 2,068,024; Jan. 19.

Harvey, Mortimer T., East Orange, and F. M. Damitz, Ocean Grove, N. J., assignors to The Harvel Corporation. Compositions of matter, and methods and steps of making and using the same. 2,067,919; Jan. 19.

Harvey-Whipple, Inc. (See Bork, George H., assignor.)

Harwig, Carl G., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,068,381; Jan. 19.

Haselwood, Willis E. (See Schellenger, N. C., and Haselwood.)

Haux, Elmer H., Tarentum, Pa., assignor to Duplate Corporation. Apparatus for making curved safety glass. 2,068,104; Jan. 19.

Hayner, Alex, Needham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening. 2,068,025; Jan. 19.

Hayward, Arthur S. (See Gayter, E., and Hayward.)

Hedrick, Clarence E., Newton, Kans. Wire tightening clip. 2,068,176; Jan. 19.

Heil Co., The. (See Thwaits, Frederick G., assignor.)

Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Short-wave electron tube circuit. 2,068,324; Jan. 19.

Helferich, Burckhardt, Leipzig, and O. Peters, Öker, Germany. Ascorbic acids and making same. 2,068,453; Jan. 19.

Helske, Taavi, San Francisco, Calif. Necktie retainer. 2,068,454; Jan. 19.

Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)

Hengstenberg, Josef. (See Mark, H., Fikentscher, Hengstenberg, and Süsich.)

Henion, Walter R., Minneapolis, Minn. Anesthetizing apparatus. 2,068,177; Jan. 19.

Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,068,131; Jan. 19.

Henschel, Chas. J., & Co. (See Mead, Samuel N., assignor.)

Hercules Gas-Munitions Corporation. (See von Frantzius, Peter, assignor.)

Hergert, Walter. (See Duffing, P., and Hergert.)

Herold, Paul, and Karl Smeykal, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of monomethylamine and dimethylamine. 2,068,132; Jan. 19.

Herrmann, Walter. (See Streitwolf, K., Fehrle, and Herrmann.)

Hertner Electric Company, The. (See Dash, C. C., Higgins, and Hertner, assignors.)

Hertner, J. H. (See Dash, C. C., Higgins, and Hertner.)

Heuer, Russell, P., Bryn Mawr, Pa., assignor to General Refractories Company. High-pressure nonplastic refractory and making the same. 2,068,411, Jan. 19.

Heuser, Ralph V., New York, N. Y. Drying apparatus. 2,067,920; Jan. 19.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Comany, Wilmerding, Pa. Fluid pressure brake. 2,068,325; Jan. 19.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train braking system. 2,068,337; Jan. 19.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control system. 2,068,338; Jan. 19.

Higgins, James G. (See Dash, C. C., Higgins, and Hertner.)

Hild, Frederic W., Los Angeles, Calif., assignor to United States Heat Treating Company, San Antonio, Tex. Rotary machine. 2,067,921; Jan. 19.

Hill, Robert, Oakville, Ontario, assignor of one-half to W. A. Duff, Montreal, Quebec, Canada. Combined rail chair and anticreeper. 2,068,055; Jan. 19.

Hindall, Clarence D., Ada, Ohio, assignor of one-fourth to The Philip Carey Manufacturing Company. Machine for applying or laying flexible sheet material over corrugated surfaces. 2,068,133; Jan. 19.

Hinsch, Walter H., Chicago, Ill. Suerheater unit. 2,068,412.

Hoenie, Norman J. (See Landis, G. G., and Hoenie.)

Hoff, Carlton L., York, Pa., assignor to National Biscuit Company, New York, N. Y. Machine and method for making pretzels. 2,068,234; Jan. 19.

Holophane Company. (See Rolph, Thomas W., assignor.)

Holt, Daniel S., assignor to Armstrong Cork Company, Lancaster, Pa. Apparatus for closure assembly. 2,068,455; Jan. 19.

Holwick, Frederick H., near West Union, Ill. Planting implement. 2,068,105; Jan. 19.

Hooker, Donald E., assignor of one-half to Joseph Vierling, Jr., Los Angeles, Calif. Marble shifting mechanism for game boards. 2,068,178; Jan. 19.

Hookless Fastener Company. (See Seaver, Elliot O., assignor.)

Hookless Fastener Company. (See Sundback, Gideon, assignor.)

Hooper, Edward J., Nutley, N. J. Elastic ventilated fabric. 2,068,456; Jan. 19.

Hoover Company, The. (See Taylor, Charles H., assignor.)

Horberg, William A., Winchendon, Mass. Candy dipping machine. 2,068,326; Jan. 19.

Horn, Milton V., E. H. Roy, and H. I. Lovett, Buffalo, N. Y. Sound emitting apparatus. 2,068,106; Jan. 19.

Horrocks, Harry S., assignor to H. Brinton Company, Philadelphia, Pa. Knitting machine. 2,068,179; Jan. 19.

Horsman, William H., San Francisco, Calif. Insulating material and applying and sealing the same. 2,068,180; Jan. 19.

Hospital Appliances, Inc. (See Comper, Adrian, assignor.)

Hothersall, John M., Brooklyn, assignor to American Can Comany, New York, N. Y. Coating cans. 2,067,922; Jan. 19.

Houghton, William H., Orpington, England. Inflatable bed or mattress and the like. 2,068,134; Jan. 19.

Howard, John H., Huntington Park, and A. C. Catland, Alhambra, said Catland, assignor to Globe Oil Tools Company, Los Nietos, Calif. Disk bit. 2,068,327; Jan. 19.

Howse, Curtis L., Birmingham, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Water level indicator. 2,068,135; Jan. 19.

Hoyt, Frederick A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin controlled apparatus. 2,068,328; Jan. 19.

Huber, Eugen, and W. Vogt, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid safranine dyestuffs. 2,068,056; Jan. 91.

Hudson, Arthur J. (See McAllister, John E., assignor.)

Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Tension rolling apparatus and method. 2,067,923; Jan. 19.

Hulbert, Edwin F., Glenview, Ill. Preparing emulsions. 2,068,136; Jan. 19.

Hull, Harvard L., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Position control system. 2,068,490; Jan. 19.

Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Thermostatic switch construction. 2,068,270; Jan. 19.

Hunsicker, Allan D., Salina, Kans. Sieve. 2,068,413; Jan. 19.

Huott, Edmond J., New York, N. Y. Telephone index holder. 2,068,271; Jan. 19.

Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Process and apparatus for drying plastic materials. 2,068,181; Jan. 19.

Hybinette, Victor N., assignor to The Nicralumin Company, Jackson, Mich. Grid for ice trays. 2,068,329; Jan. 19.

Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)

Hygrade Sylvania Corporation. (See Burns, Laurence, assignor.)

Hygrade Sylvania Corporation. (See Cox, James L., assignor.)

Hygrade Sylvania Corporation. (See Kronewetter, H. P., and Moore, assignors.)

Hyslop, Joseph F., Falkirk, assignor to John G. Stein & Company Limited, Bonnybridge, Scotland. Checker brickwork construction for regenerators. 2,068,292; Jan. 19.

I. G. Farbenindustrie Aktiengesellschaft. (See Harold, P., and Smeykal, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Korinth, E., and Meder, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Mark, H., Fikentscher, Hengstenberg, and Süsich, assignors.)

Igenfritz, Lester M., New Rochelle, N. Y., assignor to American Telephone and Telegraph Company. Producing time lag in electrical circuits. 2,068,293; Jan. 19.

Ilsley, Frank P., Muskegon, Mich. Pressure relief valve. 2,067,924; Jan. 19.

Imperial Chemical Industries Limited. (See Ellingworth, S., Haddock, Lodge, and Lumsden, assignors.)

Imperial Chemical Industries Limited. (See Leach, F. P., and Spencer, assignors.)

Imperial Chemical Industries Limited. (See Picton, Norman, assignor.)

Industrial Brownhoist Corporation. (See Taylor, Ernest W., assignor.)

Ingersoll, George B. (See Tatter, John W., assignor.)

International Harvester Company. (See Kriegbaum, George M., assignor.)

International Harvester Company. (See Lindgren, A. C., and Raney, assignors.)

International Harvester Company. (See Robinson, Charles W., assignor.)

Jabouley, Joanny, and R. Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom. 2,068,026; Jan. 19.

Jack, Raymond A. (See Fitz Simons, O. and Jack.)

Jackson, Frank S., Washington, Ohio Hand covering. 2,068,182; Jan. 19.

Jacobs Bros., Co., The. (See Woodland, J. E., and Kircher, assignors.)

Jaeger, Joseph E., Los Angeles, Calif. Leg bone breaker and tendon puller. 2,068,137; Jan. 19.

Jäger, Friedrich, Mannheim, Germany, assignor to Rare Chemicals Inc., New York, N. Y. Making glucosides from digitalis purpurea. 2,068,027; Jan. 19.

Jakoubek, Frank J., Elmwood Park, and W. E. Gahl, Chicago, Ill., assignors to Templeton, Kenly & Co., Limited, Chicago, Ill. Mine roof jack. 2,068,491; Jan. 19.

James Manufacturing Company. (See Olson, J. B., and Young, assignors.)

Jaquith, Willard E., Syracuse, N. Y. Septic tank. 2,068,140; Jan. 19.

Jencick, Stephen, Chagrin Falls, assignor to Thompson Products, Inc., Cleveland, Ohio. Independently acting wheel suspension for automobiles. 2,068,604; Jan. 19.

Jernson, Henry C., Trego, Wis. Foldable rack. 2,068,028; Jan. 19.

Jessup, Richard D., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,068,330; Jan. 19.

Johns-Manville Corporation. (See Badollet, Marion S., assignor.)

Johns-Manville Corporation. (See Townshend, Bailey, assignor.)

Johnson, David H., Fox River Grove, Ill. Advertising display. 2,068,414; Jan. 19.

Johnson, Frank T., Elgin, Ill., assignor of one-half to E. C. Guthard, Chicago, Ill. Animal trap. 2,068,492; Jan. 19.

Johnson, Roy W., assignor to Automatic Products Company, Milwaukee, Wis. Device for controlling the supply of fuel to oil burners, and the like. 2,068,138; Jan. 19.

Jones, Henry A. (See Long, F. V., and Jones.)

Jones, Ira M. (See Ohlson, John B., assignor.)

Jordan, Ellsworth, et al. (See Hansen, Alvin W., assignor.)

Joyce, William H., assignor to Pasadena Slipper Co., Pasadena, Calif. Footwear. 2,067,963; Jan. 19.

Jung, Joseph, Offenbach-on-the-Main, Germany. Dressing case. 2,068,547; Jan. 19.

Kaskell, Chester C., St. Paul, Minn. Composite recorder. 2,068,272; Jan. 19.

Katzman, Jacob, Brooklyn, N. Y. Friction clutch driving mechanism. 2,068,331; Jan. 19.

Kay, Lazarus, Cheetham, Manchester, England. Applying adhesive to fabrics and the like. 2,068,183; Jan. 19.

Keeler Brass Company. (See Haan, Gilbert J., Jr., assignor.)

Keller, Rex E., Beverly Hills, Calif. Automatic transmission. 2,068,142; Jan. 19.

Kemler, Florence A., executrix. (See Fetter, Edward.)

Kennedy, Joseph E., New York, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Furnace. 2,067,964; Jan. 19.

Kern, Jean G., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Vat dye composition and manufacture thereof. 2,067,926; Jan. 19.

Kern, Jean G., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Dyeing with vat dyes. 2,067,927; Jan. 19.

Kern, Jean G., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Vat dyeing process and composition. 2,067,928; Jan. 19.

Kern, Jean G., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Dyeing with vat dyes. 2,067,929; Jan. 19.

Kern, Jean G., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Dyeing with vat dyes. 2,067,930; Jan. 19.

Kessler, Charles J. (See Chadwick, L. S., and Kessler.)

Kinetic Chemicals, Inc. (See Daudt, H. W., Youker, and Mattison, assignors.)

Kircher, Paul J. (See Woodland, J. E., and Kircher.)

Kirk, Lloyd H., Cranston, assignor to Martin-Copeland Company, Providence, R. I. Ophthalmac mounting. 2,068,273; Jan. 19.

Kirkwood, Rayomnd S., New Orleans, La. Bathtub. 2,068,457; Jan. 19.

Kispert, Joseph J., Hamden, assignor to I. Newman & Sons, Inc., New Haven, Conn. Corset. 2,068,493; Jan. 19.

Kiwad, Isadore, assignor of one-fourth to H. Radzinsky, New York, N. Y. Apparatus for making caps. 2,068,235; Jan. 19.

Klaff, Isaac, assignor to L. Klaff, Norfolk, Va. Mar. 2,068,029; Jan. 19.

Klaff, Louis. (See Klaff, Isaac, assignor.)

Klau, David W., New York, N. Y. Thread cutting mechanism. 2,067,965; Jan. 19.

Klemperer, Hans, Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America. Electron discharge device. 2,067,966; Jan. 19.

Klipstein, Kenneth H., Short Hills, assignor to The Calco Chemical Co., Inc., Bound Brook, N. J. Purification of alcohols. 2,068,415; Jan. 19.

Klute, Samuel, assignor to The Malleable Steel Range Manufacturing Co., South Bend, Ind. Door hinge. 2,068,548; Jan. 19.

Kneisley, Richard F., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Collecting dust from an air current. 2,068,332; Jan. 19.

Kniepen, Peter, Finkenkrug, near Berlin, assignor to Allgemiene Elektricitats Gesellschaft, Berlin, Germany. Vacuum tube conductor. 2,067,967; Jan. 19.

Knight, Donald B., Brooklyn, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Heat transfer system. 2,068,549; Jan. 19.

Knight, Ira W., assignor to American Moistening Company, Providence, R. I. Hygroscopic actuating element. 2,068,416; Jan. 19.

Knight, James L., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,068,550; Jan. 19.

Kniskern, Walter H., Petersburg, Va., and C. K. Lawrence, Baldwinsville, N. Y., assignors to Atmospheric Nitrogen Corporation, New York, N. Y. Composition and process for the production of fertilizers. 2,067,931; Jan. 19.

Knopp, William E. A., Milwaukee, Wis. Puller for axle shafts and the like. 2,068,184; Jan. 19.

Kohler, John F., New York, N. Y. Depositing machine. 2,067,968; Jan. 19.

Kohler, John H., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener slider. 2,068,627; Jan. 19.

Konkle, Walter R., assignor to Decker Screw Products Co., Albion, Mich. Lubrication fitting. 2,068,417; Jan. 19.

Koppers Company. (See Bragg, Gilbert A., assignor.)

Koppers Company. (See Rhodes, Edmund O., assignor.)

Korinth, Erich, Frankfort-on-the-Main-Hochst, and G. Meder, Munster-in-Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Inorganic colored pigment and preparing the same. 2,068,294; Jan. 19.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Co., Cleveland, Ohio. Juvenile vehicle. 2,068,125; Jan. 19.

Kramer, August, and P. Bolhofner, St. Louis, Mo., assignors to Compo Shoe Machinery Corporation, New York, N. Y. Coating applicator. 2,068,141; Jan. 19.

Kramer, Lyle L., Golconda, Nev. Stroller. 2,068,295; Jan. 19.

Kreis, Fritz, Nuremberg, Germany. Automatic clutch. 2,068,185; Jan. 19.

Kretzschmar, August W., Detroit, Mich. Speed governor. 2,067,932; Jan. 19.

Kriegbaum, George M., Richmond, Ind., assignor to International Harvester Company. Seed planter. 2,068,382; Jan. 19.

Kronenwetter, Harold P., and E. E. Moore, Emporium, Pa., assignors to Hygrade Sylvania Corporation, Salem, Mass. Apparatus for trimming grid electrodes. 2,068,628; Jan. 19.

Kronheim, Jacob, Cleveland, Ohio. Machine for making stuffing for furniture. 2,068,139; Jan. 19.

Krummell, Karl W., Pittsburgh, Pa. Refrigerating apparatus. 2,068,333; Jan. 19.

Krupa, Victor, Westwood, N. J., assignor to E. Moyse, New York, N. Y. Film processing. 2,067,933; Jan. 19.

Kuenstler, Walter E., Grantwood, N. J. Radiator. 2,068,236; Jan. 19.

Kuhn, Clarence W., and C. F. Robbins, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control device. 2,068,494; Jan. 19.

Kull, Walter A., and F. G. Wade, Saginaw, Mich., assignors to General Motors Corporation, Detroit, Mich. Forked sector gear. 2,067,969; Jan. 19.

Kusebauch, Anton K., Bellevue, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pipe coupling gasket. 2,068,334; Jan. 19.

Kyack, Frederick, Detroit, Mich. World clock. 2,068,418; Jan. 19.

Lamb, Charles C., Chicago, Ill. Balancing, indicating, and weighing means for rotary bodies. 2,068,495; Jan. 19.

Landis, George G., and N. J. Hoenie, assignors to The Lincoln Electric Company, Cleveland, Ohio. Dynamo-electric machine control. 2,068,551; Jan. 19.

Lange, Max E., Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,068,552; Jan. 19.

Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen. 2,068,419; Jan. 19.

Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic track brake. 2,068,335; Jan. 19.

Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake. 2,068,336; Jan. 19.

Larson, Homer W. (See Bouvier, G. A., and Larson.)

Laszlo, Andrew, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich. Clutch mechanism. 2,067,970; Jan. 19.

Laucks, I. F., Inc. (See Bowen, A. H., and Dike, assignors.)

Lausberg, Fritz, Dusseldorf-Oberkassel, assignor to Firma Dr. Kurt Albert G. m. b. H., Neuss, Germany. Precipitation of copper and for the treatment of substances containing copper and nickel. 2,068,296; Jan. 19.

Lautenschläger, Carl L., Frankfort-on-the-Main, O. Schaumann, Wiesbaden, and W. Ludwig, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, New York, N. Y. Oestrus-promoting substance from the anterior lobes of the hypophysis and preparing it. 2,068,297; Jan. 19.

Lawrence, Charles K. (See Kniskern, W. H., and Lawrence.)

Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Take-up mechanism for knitting machines. 2,068,605; Jan. 19.

Leach, Frederick P., Frodsham, and W. D. Spencer, Widnes, England, assignors to Imperial Chemical Industries Limited. Manufacture of chlorinated rubber. 2,067,971; Jan. 19.

Le Coney, Joseph H., Bedford, assignor to Earnshaw Knitting Company, Newton, Mass. Garment. 2,068,186; Jan. 19.

Leech, Jacob T., Beaver, Pa. Wire straightening machine. 2,067,972; Jan. 19.

Lees, John, Company, The. (See Murphy, S. D., and Osborn, assignors.)

Legge, Alfred G., Brockton, Mass. Last. 2,068,057; Jan. 19.

Leibing Automotive Devices, Incorporated. (See Leibing, William E., assignor.)

Leibing, William E., Sausalito, assignor to Leibing Automotive Devices, Incorporated, San Francisco, Calif. Method and apparatus for operating an internal combustion engine. 2,068,298; Jan. 19.

Lemmon, George N., Homewood, Ala., assignor to Southern States Equipment Company, Birmingham, Ala. Circuit breaker control. 2,068,621; Jan. 19.

Leonard, Joseph E., Berkeley, assignor to Hammer-Bray Company, Ltd., Oakland, Calif. Cooking and heating range. 2,068,143; Jan. 19.

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Lever Brothers Company. (See Maxwell, Bernard L., assignor.)

Lewis, Charles M., New York, N. Y. Handbag. 2,068,058; Jan. 19.

Lewis, George W., Berlin, Mass. Ironing table. 2,068,274; Jan. 19.

Lewis, William Y., St. John's Wood, London, England. Heat transfer apparatus applicable to water tube boilers. 2,068,187; Jan. 19.

Lienhart, Edward A., and O. Ravnaas, Ruso, N. Dak. Battery connecter. 2,067,934; Jan. 19.

Lieser, Leo F., Estherville, Iowa. Spark plug. 2,068,030; Jan. 19.

Lincoln Electric Company, The. (See Landis, G. G., and Hoenie, assignors.)

Linde, Leonard J., Aldan, Pa., assignor to General Electric Company. Operating mechanism. 2,068,553; Jan. 19.

Lindgren, Alexus C., Chicago, and C. R. Raney, Riverside, Ill., assignors to International Harvester Company. Hammer mill. 2,068,383; Jan. 19.

Lingal, Harry J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,067,935; Jan. 19.

Linghammar, Lizzie, Skanninge, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,068,496; Jan. 19.

Link-Belt Company. (See Morehead, George L., assignor.)

Link-Belt Company. (See Tark, Marcus B., assignor.)

Linotype and Machinery Limited. (See Gayter, E., and Hayward, assignors.)

Little, Edwin G. (See McWhirter, W. C., and Little.)

Ljungkull, Rolf E., assignor to American Hoist and Derrick Company, St. Paul, Minn. Car body with bull gear machines. 2,068,554; Jan. 19.

Ljungkull, Rolf E., assignor to American Hoist and Derrick Company, St. Paul, Minn. Car body with bull gear for excavating machines. 2,068,555; Jan. 19.

Lockwood, Harry B., and A. R. Willard, East Cleveland, assignors to Willard Storage Battery Company, Cleveland, Ohio. Casting machine. 2,068,420; Jan. 19.

Lodge, Frank. (See Ellingworth, S., Haddock, Lodge, and Lumsden.)

Logan, Frank G., Mount Vernon, assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,068,188; Jan. 19.

Logan, John W., Jr., Edgewood, assignor to The Westinghouse Air Brake Company, Limited, Wilmerding, Pa. Retardation controlled brake. 2,068,339; Jan. 19.

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric and fluid pressure brake system. 2,068,340; Jan. 19.

Long, Elmer C., Quincy, Ill., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich. Piston. 2,068,341; Jan. 19.

Long, Frank V., South Gate, and H. A. Jones, Lynwood, Calif., assignors to said Frank V. Long, as trustee. Flame arrester. 2,068,421; Jan. 19.

Long, Frank V., trustee. (See Long, F. V., and Jones, assignors.)

Lorber, Charles, Louisville, Ky. Tracing chart. 2,068,407; Jan. 19.

Lotz, Albert, Berlin-Siemensstadt, Germany, asignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Device for effectively quenching the arc. 2,068,422; Jan. 19.

Lounsbury, Harvey J., Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,068,556; Jan. 19.

Lovett, Herman I. (See Horn, M. V., Roy, and Lovett.)

Lubri-Zol Development Corporation, The. (See Prutton, Carl F., assignor.)

Lucas, Henry V. (See Fetter, Edward, assignor.)

Ludwig, Willy. (See Lautenschaläger, C. L., Schaumann, and Ludwig.)

Lumsden, Colin H. (See Ellingworth, S., Haddock, Lodge, and Lumsden.)

Luss, William C., Hamburg, N. Y. Mail box. 2,068,275; Jan. 19.

Lycan, William H. (See Rintelman, W. L., and Lycan.)

M. J. B. Company. (See Burns, Wilford E., assignor.)

MacAndrews and Forbes Company. (See Geddes, William L., assignor.)

Maccarone, Fred, Brooklyn, assignor to The Del-Mac Shoe Process Corporation, New York, N. Y. Shoe and making same. 2,068,237; Jan. 19.

Macintosh, Richard. (See Hader, Thomas D., assignor.)

Mack, Sterling C., Bangor, Pa. Full fashioned hosiery knitting machine. 2,068,276; Jan. 19.

Mackenzie, Franklin H., Bywood, assignor to American Chemical Paint Company, Ambler, Pa. Testing and restoring the effectiveness of detergent baths. 2,068,498; Jan. 19.

Mackenzie, Franklin H., Bywood, assignor to American Chemical Paint Company, Ambler, Pa. Apparatus for measuring the concentration of solutions. 2,068,499; Jan. 19.

Malleable Steel Range Manufacturing Co., The. (See Klute, Samuel, assignor.)

Malm, Henry, New York, N. Y. Flexible rubber overshoe. 2,068,238; Jan. 19.

Malm, Henry, New York, N. Y. Molding flexible rubbers. 2,068,239; Jan. 19.

Manser, William R., 2d, Wayne, N. J. Electric heating unit. 2,068,423; Jan. 19.

Manson, George J., Hawkesbury, Canada, assignor of one-half to N. L. Foster, New York, N. Y. Paper article and making same. 2,068,299; Jan. 19.

Marchev, Alfred, La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Master feed for duplicating machines. 2,068,059; Jan. 19.

Mark, Hermann, Vienna, Austria; H. Fikentscher, J. Hengstenberg, and G. v. Süsich, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymerization products. 2,068,424; Jan. 19.

Marinsky, Davis, assignor to Whitehall Patents Corporation, Bronx, N. Y. Mounting tape for separable fasteners. 2,068,500; Jan. 19.

Marinsky, Davis, Bronx, assignor to Whitehall Patents Corporation, New York, N. Y. End stop for separable fasteners. 2,068,501; Jan. 19.

Marinsky, Davis, Bronx, assignor to Whitehall Patents Corporation, New York, N. Y. Lock slider for separable fasteners. 2,068,503; Jan. 19.

Marinsky, Davis, assignor to Whitehall Patents Corporation, New York, N. Y. Lock slider for separable fasteners. 2,068,502; Jan. 19.

Marriott, Archibald G. F., Loughborough, England. Wheel, more particularly for vehicles. 2,068,240; Jan. 19.

Martin-Copeland Company. (See Kirk, Lloyd H., assignor.)

Martin-Hardsocg Company, The. (See Anderson, Cecil R., assignor.)

Martin, Hugh K. (See Simpson, Manning, assignor.)

Martin, James V., Garden City, N. Y. Aeroplane. 2,068,300; Jan. 19.

Marvel Carbureter Company. (See Firth, David, assignor.)

Masnou, Maurice, Paris, France, assignor to General Electric Company. Rectifier. 2,068,557; Jan. 19.

Matthews, Blaine E., assignor to Williams Manufacturing Company, Portsmouth, Ohio. Shank pocket for shoes and using the same. 2,068,060; Jan. 19.

Matthews, W. N., Corporation. (See Pittman, Ralph R., assignor.)

Mattinson, Frank W., assignor to Skenandoa Rayon Corporation, Utica, N. Y. Rayon and process and apparatus for the manufacture thereof. 2,068,031; Jan. 19.

Mattinson, Frank W., assignor to Skenandoa Rayon Corporation, Utica, N. Y. Method and apparatus for manufacture of rayon. 2,068,033; Jan. 19.

Mattison, Edwin L. (See Daudt, H. W., Youker, and Mattison.)

Maxwell, Bernard L., Reading, Mass., assignor to Lever Brothers Company. Carton closing device. 2,068,241; Jan. 19.

Maxwell, Bernard L., Reading, Mass., assignor to Lever Brothers Company. Carton closing device. 2,068,242; Jan. 19.

May, Ray D., Vancouver, Wash., assignor of one-third to Vancouver Liberty Investment Co., and one-third to E. G. Parsons, Vancouver, Wash. Pneumatic antivibration belt. 2,068,061; Jan. 19.

McAdams, Harry, assignor to Nolde and Horst Company, Reading, Pa. Knitting machine. 2,068,558; Jan. 19.

McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Wrapping machine. 2,068,144; Jan. 19.

McAllister, John E., assignor, by mesne assignments, to A. J. Hudson, Cleveland, Ohio. Time switch. 2,067,936; Jan. 19.

McAllister, John E., assignor, by mesne assignments, to A. J. Hudson, Cleveland, Ohio. Time switch. 2,068,145; Jan. 19.

McBurney, Dorman, and E. H. Nollau, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of cellulose esters containing colloiding agents. 2,067,937; Jan. 19.

McBurney, Dorman, Newburgh, N. Y., and E. H. Nollau, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of cellulose esters containing colloiding agents. 2,067,938; Jan. 19.

McCabe, Ira E., Chicago, Ill. Fluid fuel burner mechanism. 2,068,425; Jan. 19.

McCarthy, John W. (See Dickermann, H. K., and McCarthy.)

McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake device. 2,068,342; Jan. 19.

McConnell, Thomas, Northampton, assignor to Hampton Company, Easthampton, Mass. Dyeing rayon in cake form. 2,068,277; Jan. 19.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Quick service device. 2,068,343; Jan. 19.

McCutchen, Brunson S. (See Frantz, S. G., McCutchen, Roberts, and Stewart.)

McIlvried, Edwin J., Akron, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Strand working apparatus. 2,067,973; Jan. 19.

McLaughlin, Robert W., Jr., assignor to American Houses, Inc., New York, N. Y. Window construction. 2,068,243; Jan. 19.

McManus, James M., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Sampling device. 2,068,344; Jan. 19.

McNeal, Donald L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake equipment. 2,068,345; Jan. 19.

McPherson, Hal W., Cincinnati, assignor to General Motors Corporation, Dayton, Ohio. Door and latch construction. 2,068,006; Jan. 19.

McWhirter, William C., and E. G. Little, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,067,974; Jan. 19.

Mead, Samuel N., assignor to Chas. J. Henschel & Co., Inc., Amesbury, Mass. Electric motor and the like construction. 2,068,189; Jan. 19.

Medcalf, Lee A., Fairgrove, Mich. Seed sorting machine. 2,068,146; Jan. 19.

Meder, Georg. (See Korinth, E., and Meder.)

Melin, William, Flint, Mich. Ventilator switch. 2,068,426; Jan. 19.

Meredith, Kenneth D., Toledo, Ohio. Liquid and powder dispensing container. 2,068,034; Jan. 19.

Mergenthaler Linotype Company. (See Aynge, William E., assignor.)

Messerly, Roger L., assignor to The Rath Packing Company, Waterloo, Iowa. Shaping and transferring substances into receptacles. 2,069,346; Jan. 19.

Messick, James H., et al. (See Hansen, Alvin W., assignor.)

Messinger Devices, Incorporated. (See Messinger, Lester H., Jr., assignor.)

Messinger, Lester H., Jr., Trumbull, assignor to Messinger Devices, Incorporated, Bridgeport, Conn. Vehicle braking means. 2,067,975; Jan. 19.

Metten, John F., Philadelphia, Pa. Fluid clutch. 2,068,062; Jan. 19.

Meussdorffer, Conrad P., Ross, Calif. Electric siren. 2,068,427; Jan. 19.

Meyer, Ernest, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Packing strip. 2,068,033; Jan. 19.

Michelsen, G. Eberhard, Fort Wayne, Ind., assignor to General Electric Company. Single-phase multispeed motor control. 2,068,559; Jan. 19.

Michiana Products Corporation. (See Burckhalter, Robert N., and Osburn, assignors.)

Miller, Benjamin, Brooklyn, assignor to Doherty Research Company, New York, N. Y. Electric rate meter. 2,068,147; Jan. 19.

Miller, Christian, New York, N. Y., assignor to Edwards and Company, Inc. Musical signaling apparatus. 2,068,629; Jan. 19.

Miller, Dorr, Detroit, Mich., assignor to Dura Company, Toledo, Ohio. Door latch merchanism. 2,068,063; Jan. 19.

Miller, John R., assignor to T. R. Miller Mill Company, Brewton, Ala. Shipping container. 2,068,064; Jan. 19.

Miller, T. R., Mill Company. (See Miller, John R., assignor.)

Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)

Misch, Augustus, Bronx, N. Y. Paper cutting machine. 2,068,504; Jan. 19.

Moir, Vincent J., Cleveland Heights, Ohio. Shutter awning. 2,068,148; Jan. 19.

Möller, Waldemar, Klein-Machnow, near Berlin, Germany, assignor to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. Bearing. 2,068,458; Jan. 19.

Monaghan, Thomas S., assignor of one-half to J. B. Peterson, Chicago, Ill. Dust separator and collector. 2,068,459; Jan. 19.

Moncrieff, Robert W. (See Dickie, W. A., Moncrieff, and North.)

Monitor Controller Company. (See Frese, Joseph F., assignor.)

Monomelt Company, The. (See Curle, G. L., and Thompson, assignors.)

Monsanto Chemical Company. (See Sargent, Neil A., assignor.)

Monsanto Chemical Company. (See Sibley, Robert L., assignor.)

Moore, Earl E. (See Kronenwetter, H. P., and Moore.)

Morehead, George L., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Settling tank. 2,068,428; Jan. 19.

Morris, Theodore B., Chicago, Ill. Handkerchief holding device mountable on a bed. 2,068,560; Jan. 19.

Morrison, Willard L., Lake Forest, Ill. Automobile ventilating device. 2,067,939; Jan. 19.

Morrison, Willard L., Lake Forest, Ill. Vehicle body. 2,068,505; Jan. 19.

Morrison, Willard L., Lake Forest, Ill. Radiator shield. 2,068,506; Jan. 19.

Motor Wheel Corporation. (See Valjean, Ben, assignor.)

Moyse, Edward. (See Kruva, Victor, assignor.)

Muelleman, Joseph P., Chicago, Ill. Electrical apparatus. 2,068,190; Jan. 19.

Mueller, Ervin H., Grosse Pointe Park, Mich. Attaching handles to stems. 2,067,976; Jan. 19.

Muller, Julius F. (See Steik, K. T., and Muller.)

Müller, Louis, & Cie. S. A., Fabrique d'horlogerie "La Champagne". (See Annen, Robert, assignor.)

Multi-Hydromatic Welding & Manufacturing Company. (See Warnke, Hans G., assignor.)

Muncheryan, Hrand M., Los Angeles, Calif. Indicating fuse plug. 2,067,977; Jan. 19.

Municipal Sanitary Service Corporation. (See Raisch, William, assignor.)

Murphy, Joseph E., Minneapolis, Minn. Tractor sweep rake. 2,068,191; Jan. 19.

Murphy, Lewis S., Marion, Ind., assignor to Chicago Railway Equipment Company, Chicago, Ill. Adjustable marker. 2,068,561; Jan. 19.

Murphy, Shirley D. (See Westlund, A. F., and Murphy.)

Murphy, Shirley D., and F. V. Osborn, Indianapolis, Ind. Metal working. 2,068,563; Jan. 19.

Murphy, Shirley D., and F. V. Osborn, Indianapolis, Ind. Metalworking apparatus. 2,068,564; Jan. 19.

Murphy, Shirley D., and F. V. Osborn, assignors to The John Lees Company, Indianapolis, Ind. Molding. 2,068,562; Jan. 19.

Murray-Ohio Manufacturing Co., The. (See Kraeft, Herman L., assignor.)

Mustee, Joseph F., University Heights, Ohio. Fuel control valve. 2,068,429; Jan. 19.

Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Sanding machine. 2,068,347; Jan. 19.

Myers, Latimer D., and L. A. Stegemeyer, assignor to The Twitchell Process Company, Cincinnati, Ohio. Purifying and fractioning mahogany sulphonates and products thereof. 2,068,149; Jan. 19.

Nagel, Ethel, Brooklyn, N. Y. Handbag. 2,068,507; Jan. 19.

Nagel, Theodore, Brooklyn, N. Y., assignor to Carburetted Gas, Inc. Producing Gas. 2,067,940; Jan. 19.

Nagel, Wilhelm, Freiburg-in-Breisgau, Germany. Optical color-matching apparatus. 2,068,301; Jan. 19.

Nampa, Sulo M., Detroit, Mich., assignor to The Worth Company. Car loading device. 2,068,460; Jan. 19.

Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Clutch device for starting mechanisms. 2,068,461; Jan. 19.

Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 2,068,462; Jan. 19.

Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Starting mechanism. 2,068,463; Jan. 19.

Nash, Clarence A., North Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Water resistant molded articles and making them. 2,067,941; Jan. 19.

National Aniline & Chemical Company. (See Kern, Jean G., assignor.)

National Biscuit Company. (See Hoff, Carlton L., assignor.)

National Blank Book Company. (See Schade, Frank S., assignor.)

National Electric Products Corporation. (See Haig, William A., assignor.)

National Oil Products Company. (See Chamberlin, Dale S., assignor.)

National Oil Products Company. (See Steik, Karl T., assignor.)

National Oil Products Company. (See Steik, K. T., and Muller, assignors.)

Neal, Arthur M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber. 2,067,978; Jan. 19.

Nelson, Lewis D., Coldwater, assignor to J. C. Trimby, Detroit, and H. D. Atwood, Coldwater, Mich. Multiple copy typewriting machine. 2,068,348; Jan. 19.

Neosign Corporation. (See Van Deventer, H. R., and Shively, assignors.)

Neubert, Oscar, Jr., Long Beach, Calif. Compass controlled circuit closer. 2,068,065; Jan. 19.

New Idea, Inc. (See Synck, Adolph J., assignor.)

Newman, I., & Sons, Inc. (See Kispert, Joseph J., assignor.)

Newport, Charles L., and H. C. Smith, Los Angeles, Calif. Insulated container. 2,068,384; Jan. 19.

New Products Corporation. (See Banker, Oscar H., assignor.)

Newton, Frank H., Los Angeles, assignor to E. H. Cassidy, Hanford, Calif. Therapeutic vibrator. 2,067,979; Jan. 19.

Nichols, Harry T., San Antonio, Tex. Crown block for a hoisting apparatus for a derrick and means for reeving a compound pulley. 2,067,942; Jan. 19.

Nichols, Harry T., San Antonio, Tex. Combined crown and traveling block. 2,068,638; Jan. 19.

Nickol, Edwin F., assignor to Edwin F. Nickol, Inc., Versailles, Ohio. Molding apparatus. 2,068,302; Jan. 19.

Nickol, Edwin F., Inc. (See Nickol, Edwin F., assignor.)

Nicolson, Alexander McLean, assignor to Communication Patents, Inc., New York, N. Y. Electrical sound tuning and production system. 2,067,980; Jan. 19.

Nicralumin Company, The. (See Hybinette, Victor N., assignor.)

Nitricastiron Corporation, The. (See Babinet, Marie L. A., assignor.)

Nolde and Horst Company. (See McAdams, Harry, assignor.)

Nollau, Edgar H. (See McBurney, D., and Nollau.)

Nordquist, Ronald J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Press mechanism. 2,067,943; Jan. 19.

Norman, Arthur W., Jersey City, N. J. String bean slicer. 2,068,464; Jan. 19.

North, Charles W. (See Dickie, W. A., Moncrieff, and North.)

Nunut Foods, Inc. (See Canton, T. M., and Tucker, assignors.)

Nygard, Hallward F., assignor to The Celon Company, Madison, Wis. Apparatus for applying bands on containers. 2,068,107; Jan. 19.

Nyhagen, Barney R., Bronx, N. Y. Safety pin. 2,068,385; Jan. 19.

O'Brien, William J., Shaker Heights, assignor to The Glidden Company, Cleveland, Ohio. Coating pigments. 2,068,066; Jan. 19.

Ogden, Robert B. (See Burton, Lester A., assignor.)

Ohlson, John B., Rockaway, N. Y., assignor to I. M. Jones, Milwaukee, Wis. Cross-over switch. 2,067,981; Jan. 19.

Okey, Perry, assignor to Exact Weight Scale Company, Columbus, Ohio. Scale. 2,068,565; Jan. 19.

Okum, Edward, assignor to American Folding Umbrella Corporation, New York, N. Y. Umbrella. 2,068,007; Jan. 19.

Olin, John F., assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Stabilized alkyl halide and process of stabilization. 2,068,607; Jan. 19.

Oliver, Thomas C., Great Neck, assignor to Chemical Construction Corp., New York, N. Y. Production of sulphur. 2,068,430; Jan. 19.

Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake. 2,068,150; Jan. 19.

Olson, John B., and R. R. Young, assignors to James Manufacturing Company, Fort Atkinson, Wis. Hen battery. 2,068,566; Jan. 19.

O'Neill, James J., Oakland, Calif. Reflector mounting. 2,068,192; Jan. 19.

Orling, Charles W., Wilmington, England. Apparatus for weighing filamentary bodies such as threads. 2,068,036; Jan. 19.

Orr, Walter L., Los Angeles, Calif., assignor to E. C. Guthard, Chicago, Ill. Animal trap. 2,068,508; Jan. 19.

Ortega, Esteban D., Habana, Cuba. Purification of musty water. 2,068,465; Jan. 19.

Osborn, Frank V. (See Murphy, S. D., and Osborn.)

Osborn, Russell S., Philadelphia, Pa. Drawing device. 2,068,037; Jan. 19.

Osburn, James M. (See Burckhalter, R. N., and Osburn.)

Otis, Arthur S., Yonkers, N. Y. Amusement device. 2,068,386; Jan. 19.

Overhuls, Oscar W., Delta, Colo. Nozzle attachment. 2,068,193; Jan. 19.

Owen, Turner A., Olney, Tex. Sand testing tool. 2,068,108; Jan. 19.

Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plate glass surfacing car. 2,068,068; Jan. 19.

Owens-Illinois Glass Company. (See Simpson, Donald C., assignor.)

Packard Motor Car Company. (See Cooper, Erwin C., assignor.)

Paine, Wilbur V., East Hartford, assignor to The Spencer Turbine Company, Hartford, Conn. Dusting tool. 2,068,349; Jan. 19.

Palmer, Herbert R., Cleveland, Ohio. Air and gas mixer for gas burners. 2,068,567; Jan. 19.

Pardun, Carl, Gelsenkirchen, Germany, assignor, by mesne assignments, to Centrifugal Pipe Corporation, Jersey City, N. J. Production of castings by the centrifugal method. 2,068,244; Jan. 19.

Parsons, Ernest G., et al. (See May, Ray D., assignor.)

Parsons, John B. (See Prothero, F. S., and Parsons.)

Pasadena Slipper Co. (See Joyce, William H., assignor.)

Patent Novelty Company. (See Reimer, George H., assignor.)

Patrick, Edwin L., assignor to C. B. Cones & Son Mfg. Co., Indianapolis, Ind. Overall construction. 2,068,194; Jan. 19.

Patrol Valve Company, The. (See Geurink, Louis H., assignor.)

Patterson, Herman W., Cleveland Heights, Ohio. Automatic humidifier. 2,068,431; Jan. 19.

Paul, Alice O'M., et al. (See Paul, Leonard B., assignor.)

Paul, Harold S., deceased, Wyoming, Ohio, P. C. Rodgers, administrator. Thumb guard. 2,068,109; Jan. 19.

Paul, Leonard B., assignor of one-half to A. M. Weis, and one-half to Alice O'M. Paul, Joliet, Ill. Indicator. 2,068,466; Jan. 19.

Paus, Frank, Eitzen, Minn. Cultivator and shield. 2,068,467; Jan. 19.

Pavoni, Joseph, assignor to S. Pavoni, Chicago, Ill. Shoe clamping device. 2,068,608; Jan. 19.

Pavoni, Splendora. (See Pavoni, Joseph, assignor.)

Pearson, Erick, Minneapolis, Minn. System for the remote operation of power plants. 2,067,944; Jan. 19.

Peerless Chain Company. (See Bambenek, Joseph B. and D. C., and Wormer, assignors.)

Penn Elastic Company. (See Brantly, Newby O., assignor.)

Pennsylvania Engineering Works. (See Allen, Lee E., assignor.)

Perfect Circle Company, The. (See Teetor, Charles N., assignor.)

Perfection Pack Company. (See Fillbrandt, George F., assignor.)

Perfection Stove Company. (See Chadwick, L. S., and Kessler, assignors.)

Perfection Stove Company. (See Resek, M., and Focke, assignors.)

Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)

Perillard, Robert, New York, N. Y. Brake construction. 2,068,278; Jan. 19.

Perry, Joseph A., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Manufacture of carbureted water gas with heavy oil. 2,068,245; Jan. 19.

Peters, Herman J., Columbus, Ohio. Forming tube connections. 2,067,945; Jan. 19.

Peters, Herman J., Columbus, Ohio. Forming staybolt connections. 2,068,432; Jan. 19.

Peters, Otto. (See Helferich, B., and Peters.)

Peterson, J. B. (See Monaghan, Thomas S., assignor.)

Peterson, Johann G., West Hartford, Conn. Electric switch. 2,068,069; Jan. 19.

Peterson, Maria E., Hull, Iowa. Road leveler. 2,068,433; Jan. 19.

Peterson, Vincent E. (See Cleveland, C. E., and Peterson.)
Pfaff, Ernest R., Chicago, Ill., assignor to E. H. Scott. Tuning dial. 2,068,110; Jan. 19.
Phillips, William H., Oak Park, Ill., assignor to Henry Pratt Company. Filter. 2,068,468; Jan. 19.
Picochrome Corporation. (See Schneiderwirth, Herman J., assignor.)
Picton, Norman, Stevenston, Scotland, assignor to Imperial Chemical Industries Limited. Making cellulose derivatives. 2,067,946; Jan. 19.
Pikul, Joseph H., Troy, N. Y., and C. A. O. Grip, Newtonville, assignors to The Reece Button Hole Machine Company, Boston, Mass. Thread cutter for buttonhole sewing machines. 2,068,509; Jan. 19.
Piron, Emil H., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Elastic spring. 2,068,279; Jan. 19.
Pitney-Bowes Postage Meter Co. (See Wheeler, Walter H., Jr., assignor.)
Pittman, Ralph R., Pine Bluff, Ark., assignor to W. N. Matthews Corporation, St. Louis, Mo. Electrical cut-out. 2,068,510; Jan. 19.
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Plastergon Wall Board Company. (See Fletcher, John, assignor.)
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Textile material and its preparation. 2,067,947; Jan. 19.
Plevyak, Joseph B., Carbondale, Pa. Tensioning device for shuttles. 2,068,469; Jan. 19.
Poe, Clarence W., Shaker Heights, Ohio. Insulating material and producing same. 2,067,982; Jan. 19.
Polák, Bohumil, Prague, Czechoslovakia, assignor to The Firm Grodetzky & Polák, Prague VIII, Czechoslovakia. Hair slide. 2,068,195; Jan. 19.
Poster, Jacob, et al. (See Franklin, Albert W., assignor.)
Postma, George S. (See Alessi, Joseph H., assignor.)
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag. 2,067,948; Jan. 19.
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Pratt, Henry, Company. (See Phillips, William H., assignor.)
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,068,070; Jan. 19.
Priefert, Dale J., Haswell, Colo. Cultivator. 2,068,303; Jan. 19.
Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
Prothero, Floyd S., West Hartford, Conn., and J. B. Parsons, Arlington, Mass. Internal combustion engine. 2,068,038; Jan. 19.
Prutton, Carl F., assignor, by mesne assignments, to The Lubril-Zol Development Corporation, Cleveland, Ohio. Engine fuel. 2,068,635; Jan. 19.
Pullman-Standard Car Manufacturing Company. (See Banning, Thomas A., Jr., assignor.)
Quehl, Richard G., assignor to The Strong-Scott Mfg. Co., Minneapolis, Minn. Attrition mill. 2,068,071; Jan. 19.
Quehl, Richard G., assignor to The Strong-Scott Mfg. Co., Minneapolis, Minn. Feed regulator for dry materials. 2,068,072; Jan. 19.
R-I-M Manufacturing Company. (See Dotterer, Frank A., assignor.)
Rader, Thomas D., Pasadena, assignor, by mesne assignments, of one-half to R. Macintosh, Los Angeles, Calif. Brake. 2,068,073; Jan. 19.
Radio Corporation of America. (See Brady, Raymond F., assignor.)
Radio Corporation of America. (See Brown, George H., assignor.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Klemperer, Hans.)
Radio Corporation of America. (See Rust, Noël M., assignor.).
Radio Corporation of America. (See Thomas, Adolph A., assignor.)
Radzinsky, Harry. (See Kiwad, Isadore, assignor.)
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Pigment manufacture. 2,068,039; Jan. 19.
Raisch, William, Forest Hills, assignor to Municipal Sanitary Service Corporation, New York, N. Y. Filter. 2,068,511; Jan. 19.
Rammler, Erich. (See Rosin, P., and Rammler.)
Randall Company, The. (See Randall, Howard D., assignor.)
Randall, Howard D., assignor to The Randall Company, Cincinnati, Ohio. Copy holder. 2,068,512; Jan. 19.
Raney, Clemma R. (See Lindgren, A. C., and Raney.)
Rare Chemicals Inc. (See Jäger, Friedrich, assignor.)
Rath Packing Company, The. (See Messerly, Roger L., assignor.)
Ravnaas, Orvin. (See Lienhart, E. A., and Ravnaas.)
Rawlings, George W., Park Hill, Kenilworth, England. Pump. 2,068,196; Jan. 19.
Reconstruction Finance Corporation. (See Kennedy, Joseph E., assignor.)
Reece Button Hole Machine Company, The. (See Pikul, J. H., and Grip, assignors.)
Reid, Eugene H., and F. H. Anderson, Schenectady, N. Y., assignors to General Electric Company. Metal tank vapor electric device. 2,068,568; Jan. 19.
Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Ashtray. 2,068,513; Jan. 19.
Reinhold, Baldwin. (See Abegg, Walter A., assignor.)
Remler, Raymond F., Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Paper manufacture. 2,068,151; Jan. 19.
Resek, Marc, and T. B. Focke, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Forced air heater. 2,068,111; Jan. 19.
Reynolds Corporation. (See Coddington, Edwin D., assignor.)
Reynolds Metals Company. (See Breckenridge, Robert W., assignor.)
Reynolds Metals Company. (See Sunderhauf, Frederick A., assignor.)
Rez, Anton G., Seattle, Wash. Applying color to molded glass articles. 2,067,949; Jan. 19.
Rezner, Joseph, New Britain, Conn. Loose leaf notebook, pen, pencil holder. 2,068,470; Jan. 19.
Rhea, Walter B. (See Hanke, F. C., and Rhea.)
Rhodes, Edmund O., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company. Manufacture of road materials. 2,068,304; Jan. 19.
Rice, Norman J., Oakland, Calif. Kitchen accessory. 2,067,983; Jan. 19.
Richter, George A., assignor to Brown Company, Berlin, N. H. Manufacture of transparent films. 2,068,630; Jan. 19.
Richter, George A., assignor to Brown Company, Berlin, N. H. Preparation of cellulose xanthate solutions. 2,068,631; Jan. 19.
Richter, Max, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Automatically controlling the driving mechanism of straight knitting machines. 2,068,609; Jan. 19.
Ric-Wil Company, The. (See Gottwald, Christian, assignor.)
Riedl, Joe T., assignor of one-fourth to M. Binek and one-fourth to S. Binek, Dickinson, N. Dak. Milk can attachment. 2,068,474; Jan. 19.
Rintelman, William L., Carrollville, and W. H. Lycan, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of dyestuffs of the anthraquinone series. 2,069,350; Jan. 19.
Ritchie, David M. (See Schoepf, T. H., and Ritchie.)
Robbins, Clyde F. (See Kuhn, C. W., and Robbins.)
Robbins, Edgar O., assignor of one-half to L. T. Waller, Haynesville, La. Razor. 2,068,610; Jan. 19.
Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Perforated basket for centrifugal machines. 2,068,636; Jan. 19.
Roberts, Walter van B. (See Frantz, S. G., McCutchen, Roberts, and Stewart.)
Robertson, H. H., Company. (See Coffman, Alden W., assignor.)
Robinson, Charles W., Auburn, N. Y., assignor to International Harvester Company. Distributor for grain drills. 2,068,387; Jan. 19.
Rochester Folding Box Co., The. (See Bowersock, W. E., and Spiess, assignors.)
Rockwood, George H., Jr., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grid controlled rectifier circuit. 2,068,351; Jan. 19.
Rodgers, Fay T., Memphis, Tenn. Refrigerator. 2,068,074; Jan. 19.
Rodgers, Paul C., administrator. (See Paul, Harold S.)
Rog, John, Brooklyn, N. Y. Circuit breaker. 2,068,569; Jan. 19.
Rogers, Edmund. (See Werder, John F., assignor.)
Röhm & Haas Company. (See Bruson, H. A., Covert, assignors.)
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lamp. 2,068,246; Jan. 19.
Rose, Clarence C., Mentor, assignor to Willard Storage Battery Company, Cleveland, Ohio. Treating freshly pasted storage battery plates. 2,068,434; Jan. 19.
Rose, George F., New York, N. Y. Typewriting machine. 2,068,247; Jan. 19.
Rosenberg, Heyman, New York, N. Y. Apparatus for nut making. 2,068,075; Jan. 19.
Rosenberg, Heyman, New York, N. Y. Apparatus for making wing-nuts. 2,068,076; Jan. 19.
Rosin, Paul, and E. Rammler, Dresden, Germany, said Rammler assignor to said Rosin. Pneumatic drying device. 2,068,077; Jan. 19.
Ross, Aubrey A., Marblehead, Mass., assignor to General Electric Company. Rotary pump. 2,068,570; Jan. 19.
Ross, John, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Two-cycle engine load control. 2,067,984; Jan. 19.
Rotner, Irving E., New York, N. Y. Cover for headrest. 2,068,571; Jan. 19.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Solderless electrical terminal. 2,068,152; Jan. 19.
Roy, Ernest H. (See Horn, M. V., Roy, and Lovett.)
Royer, Elam M., Ephrata, Pa. Anti-skid device for automobiles. 2,068,472; Jan. 19.
Ruedisueli, Leonard J. (See Varner, D. P., and Ruedisueli.)
Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Lock for hose couplers. 2,068,097; Jan. 19.
Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. Amplification and selectivity control circuit. 2,068,112; Jan. 19.
Rutishauser, Donald E., St. Louis, Mo., assignor to Zero Plate Corporation. Refrigerator. 2,068,435; Jan. 19.
Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)
St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Line drop compensation. 2,068,576; Jan. 19.
Samuelson, Charles T., Beaumont, Tex. Musical stringed instrument. 2,068,078; Jan. 19.
Sandström, Nils J. L. (See Schüberg, E. B., and Sandström.)
Sanita Wrapped Products Corp. (See Goldstein, A. M., and Garfinkel, assignors.)
Sargent, Neil A., Woburn, Mass., assignor, by mesne assignments, to Monsanto Chemical Company. Treatment of waste sulphuric acid and manufacture of sulphate and carbonaceous compositions therefrom. 2,067,985; Jan. 19.
Schaberle, George S., Glendive, Mont. Thermionic discharge relay system. 2,068,040; Jan. 19.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Pack binding construction. 2,068,280; Jan. 19.
Schaumann, Otto. (See Lautenschläger, C. L., Schaumann, and Ludwig.)
Schellenger, Newton C., and W. E. Haselwood, assignors to Chicago Telephone Supply Company, Elkhart, Ind. Resistance element. 2,068,113; Jan. 19.
Schering-Kahlbaum A. G. (See Warburg, Otto, assignor.)
Schering-Kahlbaum A. G. (See Ziegler, Karl, assignor.)
Schlacks, Henry V., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tungsten wire reducing machine. 2,068,352; Jan. 19.
Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for determining the total heating value per unit volume of combustible gases. 2,068,436; Jan. 19.
Schmidt-Nickels, Wilhelm. (See Thomas, C. A., and Schmidt-Nickels.)
Schmidt, Gottfried J., Pearl River, assignor to Container Opening Devices, Inc., New York, N. Y. Carton opening device. 2,067,986; Jan. 19.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Artificial material and preparing the same. 2,067,950; Jan. 19.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Artificial textile materials and preparing the same. 2,067,951; Jan. 19.
Schneider, Rudolph, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine sludge chamber. 2,068,514; Jan. 19.
Schneiderwirth, Herman J., Laurelton, assignor to Picochrome Corporation, Jamaica, N. Y. Arylazodiaminopicolines. 2,068,353; Jan. 19.
Schoepf, Theodore H., and D. M. Ritchie, assignors to The Cincinnati Traction Building Co., Cincinnati, Ohio. Articulated car. 2,068,572; Jan. 19.
Scholtz, William E. (See Brightwell, Thaddeus S., assignor.)
Schrader's, A., Son, Incorporated. (See Engel, Abraham, assignor.)
Schroeder, Carl J., Hobart, Ind., assignor to Standard Oil Company, Chicago, Ill. Relief valve. 2,068,248; Jan. 19.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube in a retarding field circuit. 2,068,388; Jan. 19.
Schüberg, Ernst B., and N. J. L. Sandström, assignors to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Tool forming attachment. 2,068,611; Jan. 19.
Schultz, Alfred. (See Frey, C. N., and Schultz.)
Schultz, Alfred S. (See Frey, C. N., Schultz, and Brown.)
Schuster, Curt, and F. Broich, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of beta-brazin-5,11-dione. 2,068,197; Jan. 19.
Schuyler, George L., Grosse Pointe Park, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Air conditioning apparatus. 2,068,080; Jan. 19.
Schwalbe, Franz G., assignor to Toledo Engineering Company, Incorporated, Toledo, Ohio. Glass tank feeding shelf. 2,068,515; Jan. 19.
Schwalge, William, Chicago, Ill. Lubricating oil reclaiming apparatus. 2,068,473; Jan. 19.
Schwartz, Frederick, Brooklyn, N. Y., assignor to Artistic Lamp Manufacturing Company, Inc. Lamp. 2,068,079; Jan. 19.
Schwarz, Bruno E., Buenos Aires, Argentina, assignor to United Shoe Machinery Corporation, Paterson, N. J. Stiffening portions of boots and shoes. 2,067,987; Jan. 19.
Schwinn, Frank W., Chicago, Ill. Handle bar construction. 2,068,474; Jan. 19.
Scott, E. H. (See Pfaff, Ernest R., assignor.)
Scurlock, Lewis H., Chicago, Ill. Differential gearing. 2,067,952; Jan. 19.
Seaver, Elliot O., Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. 2,068,354; Jan. 19.
Seavey, Frederick R., Alton, assignor to Western Cartridge Company, East Alton, Ill. Stratified primer charge. 2,068,516; Jan. 19.
Security Trust Company. (See Long, Elmer C., assignor.)
Seifarth, Frederick G., Chicago, Ill. Roller bearing. 2,068,198; Jan. 19.
Seletsky, Léon, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Precision machine tool. 2,068,199; Jan. 19.
Servel, Inc. (See Knight, Donald B., assignor.)
Service Caster & Truck Company. (See Zeindler, Werner, assignor.)
Seymour, George W. (See Blake, G. R., and Seymour.)
Sharkey, Everett W., Woodhaven, N. Y. Tie stay. 2,068,153; Jan. 19.
Sharma, Jagan N., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Coloring fruit. 2,068,081; Jan. 19.
Sharples Solvents Corporation. (See Olin, John F., assignor.)
Sharples Solvents Corporation, The. (See Thomas, C. A., and Schmidt-Nickels, assignors.)
Sherts, James H., Tarentum, Pa., assignor to Duplate Corporation. Laminated glass and making the same. 2,068,082; Jan. 19.
Shetler, Gordan. (See Shetler, Walter M., assignor.)
Shetler, Walter M., assignor of one-half to G. Shetler, Chicago, Ill. Game. 2,068,200; Jan. 19.
Shively, John J. (See Van Deventer, H. R., and Shively.)
Shotter, George F., Friern Barnet, London, England. Apparatus for transmitting movements to a distance. 2,068,116; Jan. 19.
Shurtz, Douglas W., Modesto, Calif. Power saw. 2,068,201; Jan. 19.
Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Vulcanization of rubber. 2,068,355; Jan. 19.
Sibbert, Edward F., Brooklyn, N. Y. Telephone mounting device or the like. 2,068,517; Jan. 19.
Sieglitz, Adolf. (See Zeh, W., Sieglitz, and Dabelow.)
Signal Engineering & Manufacturing Company. (See Terjesen, Tellef, assignor.)
Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 2,068,573; Jan. 19.
Simplex Piston Ring Company of America, Inc., The. (See Solenberger, Dean M., assignor.)
Simplex Products Corporation. (See Solenberger, Dean M., assignor.)
Simpson, Donald C., Newark, Ohio, assignor to Owens-Illinois Glass Company. Manufacture of glass wool. 2,068,202; Jan. 19.
Simpson, Donald C., Newark, Ohio, assignor to Owens-Illinois Glass Company. Method and apparatus for manufacturing and fabricating glass wool. 2,068,203; Jan. 19.
Simpson, Manning, Columbus, assignor of one-half to H. K. Martin, Franklin County, Ohio. Nebulizer. 2,068,518; Jan. 19.
Sittler, Edwin C., assignor to General Motors Corporation, Dayton, Ohio. Method of and apparatus for creating an artificial fever. 2,068,612; Jan. 19.
Skenandoa Rayon Corporation. (See Bryant, George W., assignor.)
Skenandoa Rayon Corporation. (See Mattinson, Frank W., assignor.)
Smeykal, Karl. (See Herold, P., and Smeykal.)
Smith, Aubrey, Schenectady, N. Y., assignor to General Electric Company. Rotary kiln control arrangement. 2,068,574; Jan. 19.
Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Distinctive paper and making same. 2,067,988; Jan. 19.
Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Indelible ink. 2,068,204; Jan. 19.
Smith, Earl K. (See Edwards, D. V., and Smith.)
Smith, Herbert C. (See Newport, C. L., and Smith.)
Smith, James S. B., Bellport, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure cap and liner therefor. 2,068,389; Jan. 19.
Smith, L. C., & Corona Typewriters, Inc. (See Gabrielson, Carl, assignor.)
Societe Genevoise d'Instruments de Physique. (See Seletsky, Léon, assignor.)
Soderholm, Carl J., Minneapolis, Minn. Washing machine. 2,068,356; Jan. 19.
Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc. Piston ring. 2,068,114; Jan. 19.
Solenberger, Dean M., Cleveland, Ohio, assignor to Simplex Products Corporation. Piston sealing device. 2,068,115; Jan. 19.

Souter, Eugene H., Independence, Mo. Underhood record holder. 2,068,083; Jan. 19.
Southern States Equipment Company. (See Lemmon, George M., assignor.)
Speidel, Edwin F. M., Cranston, R. I. Ophthalmic mounting. 2,068,519; Jan. 19.
Spence, Paulsen, East Orange, N. J. Valve. 2,067,953; Jan. 19.
Spencer Turbine Company, The. (See Paine, Wilbur V., assignor.)
Spencer, Wilfrid D. (See Leach, F. P., and Spencer.)
Sperry Gyroscope Company. (See Hull, Harvard L., assignor.)
Spiess, Francis J. (See Bowersock, W. E., and Spiess.)
Sproat, Ira E., Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Earthenware body. 2,068,154; Jan. 19.
Spurgeon, Samuel J., Birmingham, Ala. Electrical transmission system. 2,068,620; Jan. 19.
Stahlhammer, Eric J., assignor to The Bodine Corporation, Bridgeport, Conn. Drilling and tapping machine. 2,068,084; Jan. 19.
Standard Brands, Incorporated. (See Epstein, A. K., and Harris, assignors.)
Standard Brands, Incorporated. (See Frey, C. N., and Schultz, assignors.)
Standard Brands, Incorporated. (See Frey, C. N., Schultz, and Brown, assignors.)
Standard Oil Company. (See Fitz Simons, O. and Jack, assignors.)
Standard Oil Company. (See Schroeder, Carl J., assignor.)
Stanley, Edgar C., Glen Cove, assignor to Webster Engineering Company, New York, N. Y. Forming metallic bellows. 2,068,086; Jan. 19.
Stanley, Nathan M., Dayton, Ohio. Safety razor. 2,068,085; Jan. 19.
Stark, Georg, Berlin-Karlshorst, Germany, assignor to General Electric Company. Phase unbalance meter. 2,068,575; Jan. 19.
Starr, Charles E., deceased, by E. M. Starr, administratrix, Inglewood, Calif., assignor to Perfecto Gear Differential Co., Bellingham, Wash. Auxiliary transmission. 2,068,437; Jan. 19.
Starr, Charles E., deceased, by E. M. Starr, administratrix, Inglewood, Calif., assignor to Perfecto Gear Differential Co., Bellingham, Wash. Speed change axle. 2,068,438; Jan. 19.
Starr, Eva M., administratrix. (See Starr, Charles E.)
Staude, Edwin G., Minneapolis, Minn. Adhesive applying mechanism for paper package making machines. 2,068,087; Jan. 19.
Staves, Frank O., Waltham, assignor to Felton & Son, Inc., Boston, Mass. Sealing machine. 2,068,439; Jan. 19.
Stearns & Foster Company, The. (See Dwight, Russell S., assignor.)
Steckel, Elmer A., Jr., and E. H. Bridenbaugh, Denver, Colo., said Bridenbaugh assignor to said Steckel. Electric spray gun for shellac, paints, etc. 2,068,205; Jan. 19.
Steek, Samuel. (See Bleuel, W. H., and Steek.)
Stegemeyer, Lou A. (See Myers, L. D., and Stegemeyer.)
Steik, Karl T., Upper Montclair, assignor to National Oil Products Company, Harrison, N. J. Castor oil product. 2,068,088; Jan. 19.
Steik, Karl T., Upper Montclair, and J. F. Muller, New Brunswick, assignors to National Oil Products Company, Harrison, N. J. Emulsifiable solutions of sulphur dioxide. 2,068,089; Jan. 19.
Stein, John G., & Company Limited. (See Hyslop, Joseph F., assignor.)
Stelljes, Herman T., Hollis, N. Y. Window ventilator. 2,067,989; Jan. 19.
Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and clutch control device. 2,068,357; Jan. 19.
Stewart, John Q. (See Frantz, S. G., McCutchen, Roberts, and Stewart.)
Stiliphen, Charles A., Denver, Colo. Air conditioning apparatus. 2,068,090; Jan. 19.
Stites, Amos S., Plainfield, N. J. Direction indicator switch. 2,068,632; Jan. 19.
Stokes, F. J., Machine Company. (See Bailey, Lawrence H., assignor.)
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stoll, Albert, assignor to C. L. Brackett, Detroit, Mich. Lock nut. 2,068,613; Jan. 19.
Stoltz, Hubert R., assignor to The Fractionator Company, Kansas City, Mo. Recirculating flue gases. 2,068,091; Jan. 19.
Stone, Max, New York, N. Y. Shower cap. 2,068,281; Jan. 19.
Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Compensating circuit. 2,068,577; Jan. 19.
Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad Soden-on-the-Taunus, and W. Herrmann, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Bismuth salts of arseno compounds and preparing them. 2,068,206; Jan. 19.
Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator bowl. 2,068,520; Jan. 19.
Strindberg, Richard, Worcester, Mass. Fluid strainer or filter. 2,068,282; Jan. 19.
Stronach, Edwin J., Chicago, Ill. Exercising device. 2,068,578; Jan. 19.
Strong-Scott Mfg., Co., The. (See Quehl, Richard G., assignor.)
Stuart, William W., Des Moines, Iowa. Electrical control system. 2,068,283; Jan. 19.
Stuebing, William, Jr., Cincinnati, Ohio. Stand for display devices. 2,068,358; Jan. 19.
Stump, Dennis E., Jr., Denver, Colo. Air conditioner. 2,068,475; Jan. 19.
Sullivan, James F., Columbus, Ohio. Indicator for weighing scales. 2,068,390; Jan. 19.
Sullivan Machinery Company. (See Simmons, Leon E., assignor.)
Sun Oil Company. (See Banks, D. B., and Barton, assignors.)
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 2,068,359; Jan. 19.
Sunderhauf, Frederick A., Rutherford, N. J., assignor to Reynolds Metals Company, New York, N. Y. Collapsible can-shaped display device. 2,068,440; Jan. 19.
Süsich, Georg v. (See Mark, H., Fikentscher, Hengstenberg, and Süsich.)
Sutherland Paper Company. (See McAleer, Charles F., assignor.)
Swift, George W., Jr., assignor to G. W. Swift, Jr., Inc., Bordentown, N. J. Machine for making corrugated paperboard. 2,068,155; Jan. 19.
Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)
Synck, Adolph J., assignor to New Idea, Inc., Coldwater, Ohio. Hay rake. 2,068,092; Jan. 19.
Tark, Marcus B., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Scum paddling device for sludge digestion tanks. 2,068,521; Jan. 19.
Tate, Otto C., Sr., assignor of one-half to I. L. Branch, Bishop, Ga. Truck cover. 2,068,041; Jan. 19.
Tatter, John W., Detroit, assignor of one-half to G. B. Ingersoll, Dearborn, Mich. Control mechanism for clutches. 2,068,579; Jan. 19.
Taylor, Charles H., assignor to The Hoover Company, North Canton, Ohio. Pawl and ratchet device. 2,067,990; Jan. 19.
Taylor, Clyde C., Santa Ana, Calif. Scalp treating device. 2,067,991; Jan. 19.
Taylor, Ernest W., assignor to Industrial Brownhoist Corporation, Bay City, Mich. Car dumping apparatus. 2,068,156; Jan. 19.
Taylor, William I. (See Dreyfus, H., and Taylor.)
Teetor, Charles N., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston and piston ring. 2,068,042; Jan. 19.
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Schröter, Fritz, assignor.)
Tempesta, Arthur T., Lewiston, Maine, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Fore part roughing machine for shoes. 2,068,157; Jan. 19.
Templeton, Kenly & Co. (See Jakoubek, F. J., and Gahl, assignor.)
Terjesen, Tellef, Hoboken, N. J., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Contact arm for circuit controlling devices. 2,068,093; Jan. 19.
Terry, Matson C., Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,068,249; Jan. 19.
Tetrault, Hector, Bourbonnais, Ill. Wrecking crane. 2,067,954; Jan. 19.
Textile Dyeing and Printing Co. of America, Inc. (See Haeberlin, George, assignor.)
Textile Machine Works. (See Richter, Max, assignor.)
Theisen, Philip H., San Francisco, Calif. Flushing valve for toilets. 2,068,158; Jan. 19.
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Automatic radio tuner. 2,067,992; Jan. 19.
Thomas, Albert G., Lynchburg, Va. Oil testing device. 2,068,476; Jan. 19.
Thomas, Charles A., Wayne, and W. Schmidt-Nickels, Philadelphia, assignors to The Sharples Solvents Corporation, Philadelphia, Pa. Gas odorant mixture. 2,068,614; Jan. 19.
Thomas, Frederick, Philadelphia, Pa. Dipping machine. 2,068,250; Jan. 19.
Thompson Grinder Company, The. (See Baldenhofer, William G., assignor.)
Thompson Products, Inc. (See Jencick, Stephen, assignor.)
Thompson, Samuel G., Flushing, N. Y. Railway rail and rail joint. 2,067,955; Jan. 19.
Thompson, William H. F. (See Curle, G. L., and Thompson.)
Thordarson, Dewey C., Chicago, Ill. Ignition transformer. 2,068,522; Jan. 19.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Vehicle tank structure. 2,067,993; Jan. 19.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Tank structure. 2,067,994; Jan. 19.
Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,068,117; Jan. 19.
Tinker, John M. (See Gubelmann, I., and Tinker.)
Todd Company, The. (See Smith, Burgess W., assignor.)

Toledo Engineering Company. (See Schwalbe, Franz G., assignor.)
Tomlin, Wesley R., Fort Collins, Colo. Automobile lighting system. 2,068,580; Jan. 19.
Topping, John A., Bronxville, N. Y. Covering material. 2,068,118; Jan. 19.
Torbert, John E., Jr., National City, Calif. Wrench. 2,068,207; Jan. 19.
Townshend, Bailey, Westfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Electrical insulation. 2,068,208; Jan. 19.
Transit Research Corporation. (See Piron, Emil H., assignor.)
Trichrome, Inc. (See Von Fraunhofer, Hans, assignor.)
Trimby, James C., et al. (See Nelson, Lewis D., assignor.)
Tritle, John F., Erie, Pa., assignor to General Electric Compan. Circuit controller. 2,068,581; Jan. 19.
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Machine tool. 2,068,523; Jan. 19.
Trotter, George W., West Hartlepool, England. Boiler. 2,068,305; Jan. 19.
Trumbull Electric Manufacturing Company, The. (See Carlson, John E., assignor.)
Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)
Tucker, Wilbur B. (See Canton, T. M., and Tucker.)
Tullgren, Ella B., administratrix. (See Tullgren, John G.)
Tullgren, John G., deceased, assignor of one-half to E. B. Harrington, Lexington, Mass., E. B. Tullgren, administratrix. Cutting stone and the like. 2,067,956; Jan. 19.
Twitchell Process Company, The. (See Myers, L. D., and Stegemeyer, assignors.)
Ufer, Hubert, Berlin, Germany. Making double cut files. 2,068,622; Jan. 19.
Ullrich, Henry F., New York, N. Y. Arch support for shoes. 2,068,251; Jan. 19.
Union Switch & Signal Company, The. (See Harwig, Carl G., assignor.)
Union Switch & Signal Company, The. (See McWhirter, W. C., and Little, assignors.)
United-Carr Fastener Corporation. (See Kohler, John H., assignor.)
United-Carr Fastener Corporation. (See Upham, Preston, assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., Jr., assignor.)
United Gas Improvement Company, The. (See Perry, Joseph A., assignor.)
United Shoe Machinery Corporation. (See Barclay, W. R., and Barton, assignors.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Hayner, Alex, assignor.)
United Shoe Machinery Corporation. (See Schwarz, Bruno E., assignor.)
United States Heat Treating Company. (See Hild, Frederic W., assignor.)
United States Pipe and Foundry Company. (See Webre, Alfred L., assignor.)
Upham, Preston, Brookline, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener. 2,068,633; Jan. 19.
Valentin, Auguste, and L. Bassani, Paris, France. Apparatus for obtaining films for cinematographic projection in colors. 2,068,209; Jan. 19.
Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Oil burning device. 2,068,441; Jan. 19.
Vancouver Liberty Investment Co., et al. (See May, Ray D., assignor.)
Vanderbilt, R. T., Company. (See Sproat, Ira E., assignor.)
Van Deventer, Harry R., and J. J. Shively, New York, N. Y., assignors to Neosign Corporation. Luminous sign. 2,068,360; Jan. 19.
Vapor Car Heating Company. (See Russell, Edward A., assignor.)
Vapor Car Heating Company. (See Wilson, Walter W., assignor.)
Varner, Dana P., Melvindale, and L. J. Ruedisueli, Detroit, Mich. Electrode holder. 2,067,995; Jan. 19.
Vaughn Machinery Company, The. (See McIlvried, Edwin J., assignor.)
Vierling, Joseph, Jr. (See Hooker, Donald E., assignor.)
Vogt, Wolfram. (See Huber, E., and Vogt.)
Von Frantzius, Peter, assignor to Hercules Gas-Munitions Corporation, Chicago, Ill. Cartridge. 2,068,159; Jan. 19.
Von Fraunhofer, Hans, assignor to Trichrome, Inc., New York, N. Y. Cinematographic film. 2,067,957; Jan. 19.
Von Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,068,582; Jan. 19.
Wade, Fred G. (See Kull, W. A., and Wade.)
Wahlin, Fred W. (See Bramsen, S., and Wahlin.)
Walker, Myrtle B., Perry, S. C. Combined brooder, feeder, and exerciser. 2,068,210; Jan. 19.
Wallace, Oscar R., New York, N. Y. Sanitary toilet appliance. 2,067,958; Jan. 19.
Waller, Lee T. (See Robbins, Edgar O., assignor.)
Warburg, Otto, Berlin-Dahlem, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Colored compound derived from yellow oxidation ferment and producing same. 2,068,623; Jan. 19.
Ward, Henry L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Working moldable material. 2,068,361; Jan. 19.
Ward Leonard Electric Company. (See Logan, Frank C., assignor.)
Warner & Swasey Company, The. (See Lange, Max E., assignor.)
Warnke, Hans G., assignor to Multi-Hydromatic Welding & Manufacturing Company, Detroit, Mich. Presser electrode for electric welding machines. 2,068,043; Jan. 19.
Wasson, James G., assignor to Gatch Brush & Wire Goods Company, Baltimore, Md. Fly swatter. 2,068,211; Jan. 19.
Wasson, John E., Boston, assignor to Emerson Apparatus Company, Melrose, Mass. Thermostatic controlling apparatus. 2,067,959; Jan. 19.
Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
Weber, Walter C., Aurora, Ill. Packless ejector flush valve. 2,068,252; Jan. 19.
Webre, Alfred L., Merion, Pa., assignor to United States Pipe and Foundry Company, Burlington, N. J. Liquid diffusion apparatus. 2,068,094; Jan. 19.
Webster Engineering Company. (See Stanley, Edger C., assignor.)
Weers, William, Jr., Bronx, N. Y. Emergency brake for sleds or sleighs. 2,068,044; Jan. 19.
Weinberg, Alexander, New York, N. Y. Game apparatus. 2,068,306; Jan. 19.
Weis, August M., et al. (See Paul, Leonard B., assignor.)
Wells, John, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for extruding matter. 2,068,362; Jan. 19.
Weltzien, Darwin, Elgin, Ill. Furniture packing carton and making the same. 2,068,095; Jan. 19.
Werder, John F., Lakewood, assignor of one-half to E. Rogers, South Euclid, Ohio. Machine for testing lubricants. 2,067,996; Jan. 19.
Werntz, James H., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethers of dihydric phenols. 2,067,960; Jan. 19.
Western Electric Company. (See Bohannon, William B., assignor.)
Western Electric Company. (See Bouvier, G. A., and Larson, assignors.)
Western Electric Company. (See Jessup, Richard D., assignor.)
Western Electric Company. (See McManus, James M., assignor.)
Western Electric Company. (See Schlacks, Henry V., assignor.)
Western Cartridge Company. (See Seavey, Frederick R., assignor.)
Western Electric Company. (See Ward, Henry L., assignor.)
Western Electric Company. (See Wells, John, assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tube closing machine. 2,068,615; Jan. 19.
Westinghouse Air Brake Company, The. (See Baughman, George W., assignor.)
Westinghouse Air Brake Company, The. (See Bush, Rankin J., assignor.)
Westinghouse Air Brake Company, The. (See Craig, John F., assignor.)
Westinghouse Air Brake Company, The. (See Crittenden, Philip L., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Fitch, Eliery R., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Kusebauch, Anton K., assignor.)
Westinghouse Air Brake Company, The. (See Larson, Arthur G., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (McClure, Glenn T., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See McNeal, Donald L., assignor.)
Westinghouse Air Brake Company, The. (See Stevens, Roy R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Duffing, P., and Hargert, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lingal, Harry J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lotz, Albert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Terry, Matson C., assignor.)
Westlund, Albert F., and S. D. Murphy, Indianapolis, Ind. Support and making the same. 2,068,583; Jan. 19.

Wetmore, Louis S., Stockton, and O. C. Goeriz, Oakland, Calif., said Goeriz assignor to said Wetmore. Siphon attachment. 2,068,363; Jan. 19.
Wheeler, Walter H., Jr., assignor to Pitney-Bowes Postage Meter Co., Stanford, Conn. Die protector. 2,068,307; Jan. 19.
White, Ell, Detroit, Mich. Fuel injector for internal combustion engine. 2,067,997; Jan. 19.
Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)
Whitefield, John T., Boston, Mass. Method and apparatus for generating gas. 2,068,119; Jan. 19.
Whitman, Stewart C., New York, N. Y. Irradiating mechanical refrigerator. 2,068,212; Jan. 19.
Jan. 19.
Wilford, Edward B., Merion, Pa. Air craft. 2,068,616; Jan. 19.
Wilford, Edward B., Merion, Pa. Sea gyroplane. 2,068,618; Jan. 19.
Wilford, Edward B., Merion, and E. Daland, Philadelphia, Pa., said Daland assignor to said Wilford. Gyroplane. 2,068,617; Jan. 19.
Willard, Alfred R. (See Lockwood, H. B., and Willard.)
Willard Storage Battery Company. (See Lockwood, H. B., and Willard, assignors.)
Willard Storage Battery Company. (See Rose, Clarence C., assignor.)
Williams, Arthur R., Tunnelton, W. Va. Applying adhesive to wall paper and the like. 2,068,253; Jan. 19.
Williams, Charles B., Shaker Heights, Ohio. Clothes wringer. 2,068,524; Jan. 19.
Williams, Charles W., Cleveland, Ohio. Wringer. 2,068,525; Jan. 19.
Williams, Harrison R., New York, N. Y. Sanitary napkin. 2,067,961; Jan. 19.
Williams Manufacturing Company. (See Matthews, Blaine E., assignor.)
Williamson, Marshall I., Edgewater, N. J. Folding box. 2,067,998; Jan. 19.
Wilson, John M., Craiglehall, Dumbreck, Glasgow, Scotland. Device for applying thin layers of liquids. 2,068,213; Jan. 19.
Wilson, Lee. (See Woodson, Jomes C., assignor.)
Wilson, Mercer D., Phoenix, Ariz. Crossing signal. 2,068,254; Jan. 19.
Wilson, Walter W., Oak Park, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Hose coupler lock. 2,068,096; Jan. 19.
Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Loose leaf calendar. 2,068,214; Jan. 19.
Winters, Chester A., Lynnville, Iowa. Adjustable earth implement. 2,068,215; Jan. 19.
Winthrop Chemical Company. (See Lautenschläger, C. L., Schaumann and Ludwig, assignors.)
Winthrop Chemical Company, Inc. (See Streitwolf, K., Fehrle, and Herrmann, assignors.)
Wirth, Louis E., Pittsburgh, Pa. Vehicle brake. 2,068,120; Jan. 19.
Wohlmeyer, Josef, Vienna, Austria. Piston pile driver. 2,068,045; Jan. 19.
Wolcott, Roger. (See Cutler, D. R., and Corson, assignors.)
Wood, Morris B., assignor to The Chase-Shawmut Company, Newburyport, Mass. Electric fuse. 2,068,584; Jan. 19.
Woodland, John E., Columbus, Ohio, and P. J. Kircher, assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Scale. 2,068,255; Jan. 19.
Woodson, James C., assignor to L. Wilson, Cleveland, Ohio. Furnace. 2,068,477; Jan. 19.
Woolery, Horace E., St. Paul, Minn. Oil burner. 2,068,216; Jan. 19.
Worner, Peter. (See Bambenek, Joseph B. and D. C., and Worner.)
Worth Company, The. (See Nampa, Sulo M., assignor.)
Worthington Pump and Machinery Corporation. (See Baer, Alvin H., assignor.)
Wurtele, Allan R., New Roads, La. Internal combustion engine. 2,068,585; Jan. 19.
Yardley, David, Coudersport, Pa. Sluice pipe cleaner. 2,068,046; Jan. 19.
Yeadon, Robert. (See Jabouley, J., and Yeadon.)
Yewusiak, Peter W. (See Hansen, Alvin W., assignor.)
York Ice Machinery Corporation. (See Bergdoll, John G., assignor.)
Yosyk, Thomas, Ridgewood, N. Y. Garment pressing machine. 2,068,527; Jan. 19.
Youker, Mortimer A. (See Daudt, H. W., Youker, and Mattison.)
Young, Ruby R. (See Olson, J. B., and Young.)
Zeh, Walter, Dessau in Anhalt, A. Sieglitz, Frankfort-on-the-Main-Sindlingen, and M. Dabelow, Frankfort-on-the-Main-Hochst, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Thio- and seleno-carbocyanines. 2,068,047; Jan. 19.
Zeindler, Warner, assignor to Service Caster & Truck Company, Albion, Mich. Caster wheel. 2,068,160; Jan. 19.
Zero Plate Corporation. (See Rutishauser, Donald E., assignor.)
Zerver, Alfred, Remscheid-Vieringhausen, Germany. Holder of tools. 2,068,308; Jan. 19.
Ziegler, Karl, Heidelberg, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Production of derivatives of cyclic D-keto carboxylic acids. 2,068,284; Jan. 19.
Ziegler, Karl, Heidelberg, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Cyclic cyano compounds and producing same. 2,068,586; Jan. 19.
Zimmerman, Alexander S. (See Ellingwood, F. F., Zimmerman and Frey.)
Zimmerman, Leo, New York, N. Y. Inkstand and bottle therefor. 2,068,526; Jan. 19.
Zotos Corporation. (See Evans, Ralph L., assignor.)
Zwick, Kurt, Munich, Germany, assignor to F. Deckel, Munich-Prinz Ludwigshohe, Germany. Engraving and copying machine. 2,067,962; Jan. 19.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Fastener, Casement window. E. H. Ellison. 20,249; Jan. 19.
Locomotive. E. L. Schellens. 20,250; Jan. 19.
Pressing and ironing machine. G. C. Engbrecht and A. J. and A. M. Olsen. 20,247; Jan. 19.
Signaling system, Railway. H. S. Young and R. A. McCann. 20,248; Jan. 19.
Valve. F. C. Binnall. 20,246; Jan. 19.

LIST OF PLANT INVENTIONS

Camellia. E. A. McIlhenny. 224; Jan. 19.
Lobelia. E. C. Johnson. 221; Jan. 19.
Poplar, Hybrid. R. H. McKee. 225–226; Jan. 19.
Rose. K. Carbaugh. 222; Jan. 19.
Rose. A. Dickson, Jr. 223; Jan. 19.
Sugar cane. B. A. Bourne. 220; Jan. 19.

LIST OF DESIGN INVENTIONS

Ashtray. C. P. Harrington. 102,781; Jan. 19.
Ashtray. H. O. Walker. 102,771; Jan. 19.
Ashtray or similar article. R. A. May. 102,761; Jan. 19.
Automobile. D. F. H. Fitzmaurice. 102,852; Jan. 19.
Base unit for a cabinet or similar article. H. Morley, L. H. Wilson, and H. L. Davies. 102,839; Jan. 19.
Board, Game. E. Mehlert. 102,793–4; Jan. 19.
Board neck rest, Shampoo. E. Wutzler. 102,809; Jan. 19.
Bottle. E. W. Fuerst. 102,822–3; Jan. 19.
Bottle. J. H. Funkey. 102,859; Jan. 19.
Bottle. C. A. Roseman. 102,768; Jan. 19.
Bottle and cap, Combination. J. Manoha. 102,758; Jan. 19.
Bowl or similar article. F. Williams. 102,772; Jan. 19.
Box. A. C. Bussey. 102,747; Jan. 19.
Box and ashtray, Combination cigarette. C. LeR. Gunther and P. K. Paval. 102,853; Jan. 19.
Bracket, Thermometer mounting. C. W. Brant. 102,777; Jan. 19.
Burner, Gas. H. C. Maul. 102,760; Jan. 19.
Cabana. A. M. Levine and C. Pincus. 102,791; Jan. 19.
Cabinet, Air conditioning gas furnace. W. H. Adams. 102,735; Jan. 19.
Cabinet and wringer head, Combination washing machine. O. L. Earl. 102,819; Jan. 19.
Cabinet or similar article, Radio. W. C. Lueneburg. 102,835; Jan. 19.
Cabinet or similar article, Refrigerator. H. Morley, L. H. Wilson, and H. L. Davies. 102,838; Jan. 19.
Cabinet, Radio. A. G. Hoffman. 102,784–7; Jan. 19.
Calendar and holder therefor, Combined perpetual. G. M. Lee. 102,755; Jan. 19.
Calendar, Perpetual desk. G. M. Lee. 102,751; Jan. 19.
Calendar, Perpetual desk. G. M. Lee. 102,754; Jan. 19.
Cap, Bottle. S. Bloomfield. 102,741; Jan. 19.
Cap, Powder can. J. F. Peters. 102,857; Jan. 19.
Cape, Rain. H. B. Richards. 102,841; Jan. 19.
Case, Atomizer. F. A. Vuillemenot. 102,770; Jan. 19.
Case, Clock. J. P. Rainbault. 102,763; Jan. 19.
Case, Cyclometer clock. J. P. Rainbault. 102,840; Jan. 19.
Case, Flexible cigarette. E. A. Lemire. 102,861; Jan. 19.
Casing, Wrist radio. N. Anderson. 102,811; Jan. 19.
Chain, Bracelet. S. Ritter. 102,842; Jan. 19.
Container, Floral. R. M. Koch. 102,860; Jan. 19.
Counter, Display. E. D. Thompson. 102,806; Jan. 19.
Diffuser for electric lighting fixtures. D. L. Ripley. 102,858; Jan. 19.
Door, Rolling. W. M. Brunst. 102,814; Jan. 19.
Dress. A. Guzy. 102,824; Jan. 19.
Dress. D. Kell. 102,832; Jan. 19.
Dress. M. Mullen. 102,795–8; Jan. 19.
Dress. A. Ruchman. 102,843; Jan. 19.
Eyecup. N. P. Steckler. 102,769; Jan. 19.
Fabric, Elastic. R. K. Siner. 102,846; Jan. 19.
Fabric, Knitted. J. Minoff. 102,837; Jan. 19.
Fabric, Textile. G. Feinberg. 102,849–51; Jan. 19.
Fabric, Textile. C. E. Forstmann. 102,821; Jan. 19.
Fabric, Textile. E. I. Hanson. 102,828–9; Jan. 19.
Fabric, Textile. E. I. Hanson. 102,854–5; Jan. 19.
Fabric, Textile. J. Killars, Jr. 102,833; Jan. 19.
Game device. R. W. Hood. 102,788; Jan. 19.
Glove. I. K. Hessberg. 102,783; Jan. 19.
Glove. L. J. Maclear. 102,792; Jan. 19.
Goblet or similar article. E. M. Bottome. 102,744; Jan. 19.
Goblet or similar article. A. J. Cunningham. 102,816–18; Jan. 19.
Golf tee or similar article. W. P. Fay. 102,749; Jan. 19.
Holder and perpetual calendar, Combined desk pad. G. M. Lee. 102,753; Jan. 19.
Holder, nut dish, and ashtray, Combined place card. E. M. Bottome. 102,743; Jan. 19.
Holder, Sadiron. E. Karnes. 102,789; Jan. 19.
Humidifier. R. Heller. 102,782; Jan. 19.
Instrument for locating displaced vertebra of the spine. H. Robinson. 102,804; Jan. 19.
Iron, Waffle. O. M. Anderson. 102,775; Jan. 19.
Jacket. J. A. Silverman. 102,845; Jan. 19.
Knee rest. J. A. Rench. 102,764; Jan. 19.
Knife. P. H. Boucheron. 102,745–6; Jan. 19.
Lace. B. Edson. 102,820; Jan. 19.
Man, Mechanical. R. A. S. Busto. 102,815; Jan. 19.
Match folder. J. H. Lewis. 102,856; Jan. 19.
Numbering head digits, Set of. P. Aitchison. 102,810; Jan. 19.
Ornament or similar article, Hood. C. Karstadt. 102,831; Jan. 19.
Pen or other writing implement, Fountain. K. S. Parker. 102,799–801; Jan. 19.
Penholder and perpetual desk calendar, Combined. G. M. Lee. 102,752; Jan. 19.
Pincushion or similar article. J. Scheidegger. 102,844; Jan. 19.
Plate or similar article. H. E. Barth. 102,812; Jan. 19.
Plate or similar article. E. M. Bottome. 102,742; Jan. 19.
Plate or similar article. Y. Buma. 102,778; Jan. 19.
Plate or similar article. C. L. Sebring. 102,862; Jan. 19.
Plate, Paper. W. R. Van Winkle and R. E. Pavey. 102,807–8; Jan. 19.
Refrigerator. J. O. Reinecke. 102,802–3; Jan. 19.
Reticule. E. H. McGowen. 102,836; Jan. 19.
Ring, Finger. G. S. Bowden. 102,776; Jan. 19.
Rug or similar article. F. A. Haas. 102,825–7; Jan. 19.
Shoe. J. E. Andrews. 102,736–8; Jan. 19.
Shoe. I. Berman. 102,739; Jan. 19.
Shoe. D. Levin. 102,834; Jan. 19.
Shoe. J. Mascali. 102,759; Jan. 19.
Shoe. S. J. Meyer. 102,762; Jan. 19.
Shoe. A. Vamos. 102,848; Jan. 19.
Shoe or similar article. R. Leone. 102,756; Jan. 19.
Shoe or similar article. E. Ziniti. 102,773; Jan. 19.
Sign or similar article, Display. E. R. Erickson. 102,780; Jan. 19.
Skate, Child's ice. W. H. Dunne, Jr. 102,779; Jan. 19.
Slipper. I. Berman. 102,740; Jan. 19.
Slot attachment for coin controlled devices, Visible coin. F. A. Toce, Sr. 102,847; Jan. 19.
Spoon. S. Erikson. 102,748; Jan. 19.
Stand or similar article, Orchestra. R. Katz. 102,790; Jan. 19.
Station, Portable gas. E. E. Johnston. 102,830; Jan. 19.
Strap, Watch bracelet. S. Ritter. 102,765–7; Jan. 19.
Table or similar article, P. Smith. 102,805; Jan. 19.
Tablecloth. S. Brown. 102,813; Jan. 19.
Tire. G. W. Anderson. 102,774; Jan. 19.
Velocipede. G. Lewinski. 102,757; Jan. 19.
Washing machine. D. Hirstel. 102,750; Jan. 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetaldehyde, Manufacture of. H. Dreyfus. 2,068,010; Jan. 19.
Acid and manufacture of sulphate and carbonaceous compositions therefrom, Treatment of waste sulphuric. N. A. Sargent. 2,067,985; Jan. 19.
Acid compounds and producing the same, Benzoyl benzoic. I. Cubelmann and J. M. Tinker. 2,068,321; Jan. 19.
Acids and making the same, Ascorbic. B. Helferich and O. Peters. 2,068,453; Jan. 19.
Acids, Preparation of carboxylic. G. B. Carpenter and W. H. Carothers. 2,068,265; Jan. 19.
Acids, Preparing diamino-diphenoxy-anthraquinone disulfonic. E. C. Buxbaum. 2,068,373; Jan. 19.
Adhesive applying mechanism for paper package making machines. E. G. Staude. 2,068,087; Jan. 19.
Adhesive to fabrics and the like, Applying. L. Kay. 2,068,183; Jan. 19.
Adhesive to wall paper and the like, Applying. A. R. Williams. 2,068,253; Jan. 19.
Advertising display. D. H. Johnson. 2,068,414; Jan. 19.
Aeroplane. J. V. Martin. 2,068,300; Jan. 19.
Air and gas mixer for gas burners. H. R. Palmer. 2,068,567; Jan. 19.
Air conditioner. D. E. Stump, Jr. 2,068,475; Jan. 19.
Air conditioning apparatus. G. L. Schuyler. 2,068,080; Jan. 19.
Air conditioning apparatus. C. A. Stilphen. 2,068,090; Jan. 19.
Aircraft. E. B. Willford. 2,068,616; Jan. 19.
Alcohols, Purification of. K. H. Klipstein. 2,068,415; Jan. 19.
Alkyl halide and process of stabilization, Stabilized. J. F. Olin. 2,068,607; Jan. 19.
Ammonium sulphate, Manufacture of. G. A. Bragg. 2,067,899; Jan. 19.
Amusement device. A. S. Otis. 2,068,386; Jan. 19.
Anesthetizing apparatus. W. R. Henion. 2,068,177; Jan. 19.
Angle indicator and try square, Combination. E. H. Galford. 2,068,128; Jan. 19.
Animal trap. F. T. Johnson. 2,068,402; Jan. 19.
Animal trap. W. L. Orr. 2,068,508; Jan. 19.
Annular ball bearing. R. Annen. 2,068,589; Jan. 19.
Annuli, Resilient compression. A. Galves. 2,068,173; Jan. 19.
Antenna, Transmitting. G. H. Brown. 2,068,261; Jan. 19.
Antimony trifluoride preparation. H. W. Daudt, M. A. Yonker, and E. L. Mattison. 2,068,005; Jan. 19.
Anti-skid device for automobiles. E. M. Royer. 2,068,472; Jan. 19.
Apparatus for transmitting movements to a distance. G. F. Shotter. 2,068,116; Jan. 19.
Applicator, Coating. A. Kramer and P. Bolhofner. 2,068,141; Jan. 19.
Applicator, Dental floss. A. B. Collingbourne. 2,067,889; Jan. 19.
Aralkylaminoanthraquinone compounds, Preparation of. E. C. Buxbaum. 2,068,371–2; Jan. 19.
Arc, Device for effectively quenching the. A. Lotz. 2,068,422; Jan. 19.
Arc discharge lamp, Gaseous or vapor. L. Burns. 2,068,595; Jan. 19.
Arch support for shoes. H. F. Ulrich. 2,068,251; Jan. 19.
Arm rest. H. C. Doose. 2,068,009; Jan. 19.
Articles, Method of and apparatus for manufacturing. W. B. Bohannon. 2,068,367; Jan. 19.
Articles of manufacture, Surface hardened cast iron. M. L. A. Babinet. 2,067,896; Jan. 19.
Arylazodiamino-picolines. H. J. Schneiderwirth. 2,068,353; Jan. 19.
Ashtray. G. H. Reimer. 2,068,513; Jan. 19.
Assembling mechanism of typographical composing machines. E. Gayter and A. S. Hayward. 2,068,288; Jan. 19
Attrition mill. R. G. Quehl. 2,068,071; Jan. 19.
Automatic clutch. F. Kreis. 2,068,185; Jan. 19.
Automatic lubricator. H. N. Ekbom. 2,068,168; Jan. 19.
Automobile ventilating device. W. L. Morrison. 2,067,939; Jan. 19.
Awning, Shutter. V. J. Moir. 2,068,148; Jan. 19.
Axle, Speed change. C. E. Starr. 2,068,438; Jan. 19.
Bag. A. Potdevin. 2,067,948; Jan. 19.
Bands on containers, Apparatus for applying. H. F. Nygard. 2,068,107; Jan. 19.
Balancing, indicating, and weighing means for rotary bodies. C. C. Lamb. 2,068,495; Jan. 19.

Basket for centrifugal machines, Perforated. E. Roberts. 2,068,636; Jan. 19.
Bath, Electrical cleaning. P. J. Greulach. 2,068,408; Jan. 19.
Bath mitt handle. H. C. Borchers. 2,068,162; Jan. 19.
Bathtub. R. S. Kirkwood. 2,068,457; Jan. 19.
Battery: *See*—
Hen battery.
Battery clamp. H. J. Hahn. 2,068,544; Jan. 19.
Battery connecter. E. A. Lienhart and O. Ravnaas. 2,067,934; Jan. 19.
Battery plates, Treating freshly pasted. C. C. Rose. 2,068,434; Jan. 19.
Battery separator protector and plate support, Storage. T. B. Entz. 2,068,267; Jan. 19.
Bearing: *See*—
Annular ball bearing. Roller bearing.
Bearing. W. Möller. 2,068,458; Jan. 19.
Bearing structure for rotatable spindles and the like. J. F. Buhr. 2,068,594; Jan. 19.
Bed or mattress and the like, Inflatable. W. H. Houghton, 2,068,134; Jan. 19.
Bellows, Method and means for forming metallic. E. C. Stanley. 2,068,086; Jan. 19.
Belt, Pneumatic antivibration. R. D. May. 2,068,061; Jan. 19.
Belt-type fishing rod holder. A. S. Haislip. 2,068,054; Jan. 19.
Beta-brazin-5,11-dione, Production of. C. Schuster and F. Broich. 2,068,197; Jan. 19.
Bismuth salts of arseno compounds and preparing them. K. Streitwolf, A. Fehrle, and W. Herrmann. 2,068,206; Jan. 19.
Bit: *See*—
Disk bit. Roller bit.
Block: *See*—
Crown and traveling block.
Block for hoisting apparatus for derrick and means for reeving a compound pulley. H. T. Nichols. 2,067,942; Jan. 19.
Boiler. G. W. Trotter. 2,068,305; Jan. 19.
Boilers, Device for feeding high pressure. H. Hähnle. 2,068,409; Jan. 19.
Boltless battery terminal clamp. A. W. Hansen. Jr. 2,068,340; Jan. 19.
Bone breaker and tendon puller, Leg. J. E. Jaeger. 2,068,137; Jan. 19.
Book binding. A. L. Grammer. 2,068,603; Jan. 19.
Book, Loose leaf. R. W. Brown. 2,068,262; Jan. 19.
Book refills, Mounting. A. Bernasconi. 2,068,443; Jan. 19.
Boots and shoes, Stiffening portions of. B. E. Schwarz. 2,067,987; Jan. 19.
Bottle capping mechanism. R. J. Daniels. 2,068,165; Jan. 19.
Bowl, Centrifugal separator. G. J. Strezynski. 2,068,520; Jan. 19.
Box: *See*—
Folding box. Mail box.
Brake: *See*—
Fluid pressure brake. Magnetic track brake.
Hand brake. Retardation controlled brake.
Hydraulic brake. Vehicle brake.
Magnetic brake.
Brake. T. D. Rader. 2,068,073; Jan. 19.
Brake and clutch control device. R. R. Stevens. 2,068,357; Jan. 19.
Brake construction. R. Perillard. 2,068,278; Jan. 19.
Brake control. E. R. Fitch. 2,068,319; Jan. 19.
Brake control system. E. E. Hewitt. 2,068,338; Jan. 19.
Brake device, Load. G. T. McClure. 2,068,342; Jan. 19.
Brake equipment, Electropneumatic. D. L. McNeal. 2,068,345; Jan. 19.
Brake for sleds or sleighs, Emergency. W. Weers, Jr. 2,068,044; Jan. 19.
Brake head. H. E. Gannett. 2,068,015; Jan. 19.
Brake system, Electric and fluid pressure. J. W. Logan, Jr. 2,068,340; Jan. 19.
Braking apparatus. G. W. Baughman. 2,068,365; Jan. 19.
Bread, Making leavened. C. N. Frey, A. S. Schultz, and E. B. Brown. 2,067,911; Jan. 19.
Bread manufacture and compositions of matter for use in same. C. N. Frey and A. Schultz. 2,067,912; Jan. 19.
Bread, Process and product for manufacturing leavened. A. K. Epstein and B. R. Harris. 2,067,908; Jan. 19.
Breathing device. E. B. Fishburne. 2,068,171; Jan. 19.
Brickwork construction for regenerators, Checker. J. F. Hyslop. 2,068,292; Jan. 19.

Brooder, feeder, and exerciser, Combined. M. B. Walker. 2,068,210; Jan. 19.
Burner: *See*—
Oil burner.
Burner ignition device, Gas range. L. H. Geurink. 2,068,542; Jan. 19.
Burner mechanism, Fluid fuel. I. E. McCabe. 2,068,425; Jan. 19.
Bushing extracting and inserting tool. M. A. Hamman. 2,068,021; Jan. 19.
Bushing, High voltage. R. W. Atkinson. 2,068,624; Jan. 19.
Bushing, Rotary table. W. A. Abegg. 2,068,218; Jan. 19.
Cabinet, Kitchenette. E. L. Bennett. 2,068,591; Jan. 19.
Cabinet, Refrigerator. E. H. Boddy. 2,068,532; Jan. 19.
Cabinet, Refrigerator. J. L. Knight. 2,068,550; Jan. 19.
Calendar, Loose leaf. O. P. Winford. 2,068,214; Jan. 19.
Camera and projector apparatus, Photographic. F. C. Hanke and W. B. Rhea. 2,068,410; Jan. 19.
Can attachment, Milk. J. T. Riedl. 2,068,471; Jan. 19.
Can body forming machine. W. E. Burns. 2,068,264; Jan. 19.
Cans, Coating. J. M. Hothersall. 2,067,922; Jan. 19.
Cans, Device for opening. H. L. Dazey. 2,068,597; Jan. 19.
Can-shaped display device, Collapsible. F. A. Sunderhauf. 2,068,440; Jan. 19.
Candy dipping machine. W. A. Horberg. 2,068,326; Jan. 19.
Cap and liner therefor, Closure. J. S. B. Smith. 2,068,389; Jan. 19.
Cap, Shower. M. Stone. 2,068,281; Jan. 19.
Caps, Apparatus for making. I. Kiwad. 2,068,235; Jan. 19.
Car and the like, Refrigerator. T. A. Banning, Jr. 2,068,223; Jan. 19.
Car, Articulated. T. H. Schoepf and D. M. Ritchie. 2,068,572; Jan. 19.
Car body with bull gear for excavating machines. R. E. Ljungkull. 2,068,555; Jan. 19.
Car dumping apparatus. E. W. Taylor. 2,068,156; Jan. 19.
Car Equipment, Safety. J. F. Craig. 2,068,376; Jan. 19.
Car loading device. S. M. Mampa. 2,068,460; Jan. 19.
Car, Plate glass surfacing. W. Owen. 2,068,068; Jan. 19.
Car, Refrigerator. L. S. Dromgold. 2,068,401; Jan. 19.
Carburetor. D. Firth. 2,068,127; Jan. 19.
Carton and making the same, Furniture packing. D. Weltzien. 2,068,095; Jan. 19.
Carton closing device. B. L. Maxwell. 2,068,241–2; Jan. 19.
Carton opening device. G. J. Schmidt. 2,067,986; Jan. 19.
Cartridge. P. von Frantzius. 2,068,159; Jan. 19.
Cartridge and cylinder, Filter. W. G. Burhans. 2,068,263; Jan. 19.
Caster wheel. W. Zeindler. 2,068,160; Jan. 19.
Casting machine. H. B. Lockwood and A. R. Willard. 2,068,420; Jan. 19.
Castings by the centrifugal method, Production of. C. Pardun. 2,068,244; Jan. 19.
Castor oil product. K. T. Steik. 2,068,088; Jan. 19.
Cellulose derivatives, Making. N. Picton. 2,067,946; Jan. 19.
Cellulose esters containing colloiding agents, Treatment of. D. McBurney and E. H. Nollau. 2,067,938; Jan. 19.
Cellulose xanthate solutions, Preparation of. G. A. Richter. 2,068,631; Jan. 19.
Cement, Locating. D. G. Crandall. 2,068,535; Jan. 19.
Centrifugal pump. R. H. Davis. 2,067,903; Jan. 19.
Chair and anticreeper, Combined rail. R. Hill. 2,068,055; Jan. 19.
Chart, Tracing. C. Lorber. 2,068,497; Jan. 19.
Circuit, Amplification and selectivity control. N. M. Rust. 2,068,112; Jan. 19.
Circuit breaker. H. J. Lingal. 2,067,935; Jan. 19.
Circuit breaker control. G. N. Lemmon. 2,068,621; Jan. 19.
Circuit breaker. J. Rog. 2,068,569; Jan. 19.
Circuit breakers, Motor-operated mechanism for. P. Dufling and W. Hergert. 2,068,402; Jan. 19.
Circuit closer, Compass controlled. O. Neubert, Jr. 2,068,065; Jan. 19.
Circuit, Compensating. J. L. Stratton. 2,068,577; Jan. 19.
Circuit controller. J. F. Tritle. 2,068,581; Jan. 19.
Circuit, Grid controlled rectifier. G. H. Rockwood, Jr. 2,068,351; Jan. 19.
Circuit, Short-wave electron tube. R. A. Heising. 2,068,324; Jan. 19.
Circular loom. J. Jabouley and R. Yeadon. 2,068,026; Jan. 19.
Clamp: *See*—
Boltless battery terminal clamp.
Cleaner: *See*—
Sluice pipe cleaner.
Cleanser, Sanitary tooth. L. L. De Rome. 2,068,400; Jan. 19.
Clip: *See*—
Wire tightening clip.
Clipper, Fruit. L. M. Harvey. 2,068,024; Jan. 19.
Clock, World. F. Kyack. 2,068,418; Jan. 19.
Closure assembly, Apparatus for. D. S. Holt. 2,068,455; Jan. 19.
Closure, Tear tab. R. W. Breckenridge. 2,068,444; Jan. 19.
Clothes hanger. O. Brodewitz. 2,068,446; Jan. 19.
Clothesrack. J. B. Bierman. 2,068,285; Jan. 19.
Clutch: *See*—
Automatic clutch. Fluid clutch.
Clutch. W. Elliott. 2,068,123; Jan. 19.
Clutch device for starting mechanisms. R. M. Nardone. 2,068,461; Jan. 19.
Clutch driving mechanism, Friction. J. Katzman, 2,068,331; Jan. 19.
Clutch mechanism. F. C. Biggert, Jr. 2,068,260; Jan. 19.
Clutch mechanism. A. Laszlo. 2,067,970; Jan. 19.
Coating composition and production thereof. J. Fletcher. 2,067,910; Jan. 19.
Coffee infusions and other infusions, Apparatus for making. H. D. Harper. 2,067,918; Jan. 19.
Coin controlled apparatus. F. A. Hoyt. 2,068,328; Jan. 19.
Color to molded glass articles, Applying. A. G. Res. 2,067,949; Jan. 19.
Composite recorder. C. C. Kaskell. 2,068,272; Jan. 19.
Composition and process for the production of fertilizers. W. H. Kniskern and C. K. Lawrence. 2,067,931; Jan. 19.
Composition for etching and etching transfers. N. Clayton-Kennedy. 2,067,925; Jan. 19.
Composition for regenerating air for breathing. K. A. Gerson. 2,068,485; Jan. 19.
Compositions of matter, and steps of making and using the same. M. T. Harvey and F. M. Damitz. 2,067,919; Jan. 19.
Compound derived from yellow oxidation ferment and producing same, Colored. O. Warburg. 2,068,623; Jan. 19.
Compounds of the anthraquinone series and producing the same. W. Dettwyler. 2,068,313; Jan. 19.
Condenser. J. L. Finch. 2,068,100; Jan. 19.
Conductor, Vacuum tube. P. Kniepen. 2,067,967; Jan. 19.
Connecter: *See*—
Battery connecter. Rail connecter.
Electrical connecter. Terminal connecter.
Connecter. C. C. Dash, J. G. Higgins, and J. H. Hertner. 2,068,399; Jan. 19.
Contact arm for circuit controlling devices. T. Terjesen. 2,068,093; Jan. 19.
Container: *See*—
Insulated container. Shipping container.
Liquid and powder. dispensing container.
Container and display support, Pie. W. Ehrlich. 2,068,540; Jan. 19.
Container opening device. C. H. Grounds. 2,068,020; Jan. 19.
Containers, Method of and apparatus for making. W. E. Bowersock and F. J. Spiess. 2,068,163; Jan. 19.
Control apparatus. M. C. Terry. 2,068,249; Jan. 19.
Control device, Inertia operated. R. J. Bush. 2,068,370; Jan. 19.
Control for box machines, Pneumatic. H. K. Dickermann and J. W. McCarthy. 2,068,008; Jan. 19.
Control for radio apparatus, Automatic. D. R. Cutler and E. B. Corson. 2,068,227; Jan. 19.
Control mechanism for clutches. J. W. Tatter. 2,068,579; Jan. 19.
Control system, Fluid. E. L. Gaines. 2,068,102; Jan. 19.
Copper and for the treatment of substances containing copper and nickel, Precipitation of. F. Lausberg. 2,068,296; Jan. 19.
Copy holder. H. D. Randall. 2,068,512; Jan. 19.
Corrosion preventing means for connections. W. C. Berryman. 2,068,530; Jan. 19.
Corset. J. J. Kispert. 2,068,493; Jan. 19.
Cover: *See*—
Truck cover.
Cover for headrests. I. E. Rotner. 2,068,571; Jan. 19.
Covering material and making the same. S. W. Chaffee. 2,068,396; Jan. 19.
Cowling attachment. T. dePort. 2,067,904; Jan. 19.
Crane construction. P. Chapman. 2,068,397; Jan. 19.
Crane, Wrecking. H. Tetrault. 2,067,954; Jan. 19.
Crossing signal. M. D. Wilson. 2,068,254; Jan. 19.
Cross-over switch. J. B. Ohlson. 2,067,981; Jan. 19.
Crown and traveling block, Combined. H. T. Nichols. 2,068,638; Jan. 19.
Cultivator. D. J. Priefert. 2,068,303; Jan. 19.
Cultivator and shield. F. Paus. 2,068,467; Jan. 19.
Current deflector. F. Dorn. 2,068,537; Jan. 19.
Current regulator, Alternating. S. F. Farkas. 2,068,316; Jan. 19.
Cutter for buttonhole sewing machines, Thread. J. H. Pikul and C. A. O. Grip. 2,068,509; Jan. 19.
Cutting machine. T. S. Brightwell. 2,068,445; Jan. 19.
Cyano compounds and producing same, Cyclic. K. Ziegler. 2,068,586; Jan. 19.
Depositing machine. J. F. Kohler. 2,067,968; Jan. 19.
Derivatives of cyclic B-keto carboxylic acids, Production of. K. Ziegler. 2,068,284; Jan. 19.
Detergent baths, Testing and restoring the effectiveness of. F. H. Mackenzie. 2,068,498; Jan. 19.

Dial, Tuning. E. R. Pfaff. 2,068,110; Jan. 19.
Diaphragm meter. J. C. Diehl. 2,068,378; Jan. 19.
Die protector. W. H. Wheeler, Jr. 2,068,307; Jan. 19.
Differential gearing. L. H. Scurlock. 2,067,952; Jan. 19.
Dipping machine. F. Thomas. 2,068,250; Jan. 19.
Direction indicator switch. A. S. Stites. 2,068,632; Jan. 19.
Discharge tube. D. V. Edwards. 2,068,539; Jan. 19.
Disk bit. J. H. Howard and A. C. Catland. 2,068,327; Jan. 19.
Dispenser: *See*—
Sanitary dispenser.
Display and filing device, Transparent. A. W. Engel. 2,068,011; Jan. 19.
Distributing mechanism of typographical composing and distributing machines. W. E. Aynge. 2,068,310; Jan. 19.
Distributor for grain drills. C. W. Robinson. 2,068,387; Jan. 19.
Door and latch construction. H. W. McPherson. 2,068,606; Jan. 19.
Door handle. G. J. Haan, Jr. 2,068,129; Jan. 19.
Door hinge. S. Klute. 2,068,548; Jan. 19.
Door operating mechanism. R. H. Greegor. 2,068,543; Jan. 19.
Drawing device. R. S. Osborn. 2,068,037; Jan. 19.
Dressing case. J. Jung. 2,068,547; Jan. 19.
Drilling and tapping machine. E. J. Stahlhammer. 2,068,084; Jan. 19.
Driver, Piston pile. J. Wohlmeyer. 2,068,045; Jan. 19.
Driver, Post. G. L. Collord. 2,067,890; Jan. 19.
Driving mechanism of straight knitting machines, Automatically controlling the. M. Richter. 2,068,609; Jan. 19.
Dry apparatus. R. V. Houser. 2,067,920; Jan. 19.
Drying device, Pneumatic. P. Rosin and E. Rammler. 2,068,077; Jan. 19.
Dust from an air current, Collecting. R. F. Kneisley. 2,068,332; Jan. 19.
Dust separator and collector. T. S. Monaghan. 2,068,459; Jan. 19.
Dustiness of dusty materials, Reducing. B. R. Harris. 2,068,489; Jan. 19.
Dusting tool. W. V. Paine. 2,068,349; Jan. 19.
Dye composition and manufacture thereof, Vat. J. G. Kern. 2,067,926; Jan. 19.
Dyeing process and composition, Vat. J. G. Kern. 2,067,928; Jan. 19.
Dyeing with vat dyes. J. G. Kern. 2,067,927; Jan. 19.
Dyeing with vat dyes. J. G. Kern. 2,067,929–30; Jan. 19.
Dyes and preparing the same, Anthraquinone. S. Ellingworth, N. H. Haddock, F. Lodge, and C. H. Lumsden. 2,068,124; Jan. 19.
Dyestuffs, Acid safranine. E. Huber and W. Vogt. 2,068,056; Jan. 19.
Dyestuffs of the anthraquinone series, Preparation of. W. L. Rintelman and W. H. Lycan. 2,069,350; Jan. 19.
Dynamo-electric machine control. G. G. Landis and N. J. Hoenie. 2,068,551; Jan. 19.
Earth implement, Adjustable. C. A. Winters. 2,068,215; Jan. 19.
Earthenware body. I. E. Sproat. 2,068,154; Jan. 19.
Elastic spring. E. H. Piron. 2,068,279; Jan. 19.
Elastic ventilated fabric. E. J. Hooper. 2,068,456; Jan. 19.
Electric controlling apparatus. F. G. Logan. 2,068,188; Jan. 19.
Electric heating unit. W. R. Manser, 2d. 2,068,423; Jan. 19.
Electric lamp. D. Gabor. 2,068,287; Jan. 19.
Electric rate meter. B. Miller. 2,068,147; Jan. 19.
Electric switch. J. G. Peterson. 2,068,069; Jan. 19.
Electric switch. F. G. von Hoorn. 2,068,582; Jan. 19.
Electrical apparatus. J. P. Muelleman. 2,068,190; Jan. 19.
Electrical connecter. C. E. Gilbert. 2,068,486; Jan. 19.
Electrical control device. C. W. Kuhn and C. F. Robbins. 2,068,494; Jan. 19.
Electrical control system. W. W. Stuart. 2,068,283; Jan. 19.
Electrical cut-out. R. R. Pittman. 2,068,510; Jan. 19.
Electrical sound tuning and production system. A. M. Nicolson. 2,067,980; Jan. 19.
Electrical transmission system. S. J. Spurgeon. 2,068,620; Jan. 19.
Electrode for electric welding machines, Presser. H. G. Warnke. 2,068,043; Jan. 19.
Electrode holder. D. P. Varner and L. J. Ruedisuell. 2,067,905; Jan. 19.
Electron discharge device. H. Klemperer. 2,067,966; Jan 19.
Electron tube in a retarding field circuit. F. Schröter. 2,068,388; Jan. 19.
Electrothermal furnace, Continuous high temperature. G. C. Cox. 2,068,447; Jan. 19.
Electrothermal process, Continuous high temperature. G. C. Cox. 2,068,448; Jan. 19.
Emulsions, Preparing. E. F. Hulbert. 2,068,136; Jan. 19.
Engine: *See*—
Internal combustion engine.
Engine. H. H. Timian. 2,068,117; Jan. 19.
Engine load control, Two-cycle. J. Ross. 2,067,984; Jan. 19.
Engine, Method and apparatus for operating an internal combustion. W. E. Leibing. 2,068,298; Jan. 19.
Engine sludge chamber. R. Schneider. 2,068,514; Jan. 19.
Engine starting apparatus. R. M. Nardone. 2,068,462; Jan. 19.
Engraving and copying machine. K. Zwick. 2,067,962; Jan. 19.
Entertainment receiver. J. C. Batchelor. 2,068,002; Jan. 19.
Esters containing colloiding agents, Treatment of cellulose. D. McBurney and E. H. Nollau. 2,067,937; Jan. 19.
Ethers of dyhydric phenols. J. H. Werntz. 2,067,960; Jan. 19.
Exercising device. E. J. Stronach. 2,068,578; Jan. 19.
Exhibitor, Changeable. W. F. Buck. 2,068,226; Jan. 19.
Explosive charges into internal combustion engines, Method and apparatus for introducing. J. R. Davis 2,068,311; Jan. 19.
Extractor: *See*—
Juice extractor.
Fabric: *See*—
Elastic ventilated fabric.
Fastener: *See*—
Separable fastener. Snap fastener.
Fastening. A. Hayner. 2,068,025; Jan. 19.
Faucet. C. J. Brown. 2,068,369; Jan. 19.
Feed for duplicating machines, Master. A. Marchev 2,068,059; Jan. 19.
Feeder: *See*—
Hopper feeder.
Fever, Method of and apparatus for creating an artificial. E. C. Sittler. 2,068,612; Jan. 19.
Filaments or the like of cellulose derivatives, Manufacture of. H. Dreyfus and W. I. Taylor. 2,068,538; Jan. 19.
Filaments, threads, foils, and the like, Production and treatment of artificial. W. A. Dickie, R. W. Moncrieff, and C. W. North. 2,067,905; Jan. 19.
Files, Making double cut. H. Ufer. 2,068,622; Jan. 19.
Film, Cinematographic. H. Von Fraunhofer. 2,067,957; Jan. 19.
Film gate structure for motion picture machines. P. J. Berggren. 2,068,258; Jan. 19.
Film, Potentially reactive synthetic resin. A. H. Bowen and T. W. Dike. 2,068,478; Jan. 19.
Film processing. V. Krupa. 2,067,933; Jan. 19.
Films for cinematographic projection in colors, Apparatus for obtaining. A. Valentin and L. Bassani. 2,068,209; Jan. 19.
Films, Manufacture of transparent. G. A. Richter. 2,058,630; Jan. 19.
Filter. R. P. Adams. 2,068,048; Jan. 19.
Filter. W. H. Phillips. 2,068,468; Jan. 19.
Filter. W. Raisch. 2,068,511; Jan. 19.
Filter and heat exchanger. R. N. Burckhalter and J. M. Osburn. 2,068,394–5; Jan. 19.
Filtering apparatus. D. B. Banks and P. D. Barton. 2,068,257; Jan. 19.
Firearm cleaning accessory. S. W. Barnes. 2,068,637; Jan. 19.
Flame arrester. F. V. Long and H. A. Jones. 2,068,421; Jan. 19.
Fluid clutch. J. F. Metten. 2,068,062; Jan. 19.
Fluid flow control apparatus. J. P. Freed. 2,068,406; Jan. 19.
Fluid pressure brake. C. C. Farmer. 2,068,317–8; Jan. 19.
Fluid pressure brake. E. E. Hewitt. 2,068,325; Jan. 19.
Fluid pressure valve, Self regulating. A. D. Harrison. 2,068,130; Jan. 19.
Foldable rack. H. C. Jernson. 2,068,028; Jan. 19.
Folding box. M. I. Williamson. 2,067,998; Jan. 19.
Food product. T. M. Canton and W. B. Tucker. 2,068,051; Jan. 19.
Footwear. W. H. Joyce. 2,067,963; Jan. 19.
Forced air heater. M. Resek and T. B. Focke. 2,068,111; Jan. 19.
Forked sector gear. W. A. Pull and F. G. Wade. 2,067,969; Jan. 19.
Fruit, Coloring. J. N. Sharma. 2,068,081; Jan. 19.
Fuel control valve. J. F. Mustee. 2,068,429; Jan. 19.
Fuel delivering device. G. H. Bork. 2,068,593; Jan. 19.
Fuel, Engine. C. F. Prutton. 2,068,635; Jan. 19.
Fuel injector for internal combustion engines. E. White. 2,067,997; Jan. 19.
Fuel pumping and metering device. C. Beckman. 2,068,442; Jan. 19.
Fuel to oil burners, and the like, Device for controlling the supply of. R. W. Johnson. 2,068,138; Jan. 19.
Fuels, Refining motor. O. Fitz Simons and R. A. Jack. 2,068,126; Jan. 19.
Furnace: *See*—
Electrothermal furnace.
Furnace. J. E. Kennedy. 2,067,964; Jan. 19.
Furnace. J. C. Woodson. 2,068,477; Jan. 19.
Fuse, Electric. M. B. Wood. 2,068,584; Jan. 19.
Fuse plug, Indicating. H. M. Muncheryan. 2,067,977; Jan. 19.
Game. W. M. Shetler. 2,068,200; Jan. 19.

Game and apparatus therefor. S. G. Frantz, B. S. McCutchen, W. van B. Roberts, and J. Q. Stewart. 2,068,379; Jan. 19.
Game apparatus. A. Weinberg. 2,068,306; Jan. 19.
Garment. J. H. Le Coney. 2,068,186; Jan. 19.
Garment pressing machine. T. Yosyk. 2,068,527; Jan. 19.
Gas, Method and apparatus for generating. J. T. Whitfield. 2,068,119; Jan. 19.
Gas odorant mixture. C. A. Thomas and W. Schmidt-Nickels. 2,068,614; Jan. 19.
Gas, Producing. T. Nagel. 2,067,940; Jan. 19.
Gas separation. A. H. Baer. 2,068,221; Jan. 19.
Gas with heavy oil, Manufacture of carbureted water. J. A. Perry. 2,068,245; Jan. 19.
Gases, Recirculating flue. H. R. Stoltz. 2,068,091; Jan. 19.
Gasket, Pipe coupling. A. K. Kusebauch. 2,068,334; Jan. 19.
Gear: *See*—
Forked sector gear.
Glass and making the same, Laminated. J. H. Sherts. 2,068,082; Jan. 19.
Glass, Apparatus for making curved safety. E. H. Haux. 2,068,104; Jan. 19.
Glass wool, Manufacture of. D. C. Simpson. 2,068,202; Jan. 19.
Glass wool, Method and apparatus for manufacturing and fabricating. D. C. Simpson. 2,068,203; Jan. 19.
Glucosides from digitalis purpurea, Making. F. Jäger. 2,068,027; Jan. 19.
Governor, Speed. A. W. Kretzschmar. 2,067,932; Jan. 19.
Gramophone or the like. A. R. Downs. 2,068,449; Jan. 19.
Grenade, Centrifically armed. J. H. Adams. 2,067,999; Jan. 19.
Grid electrodes, Apparatus for trimming. H. P. Kronenwetter and E. E. Moore. 2,068,628; Jan. 19.
Grid for ice trays. V. N. Hybinette. 2,068,329; Jan. 19.
Grinder, Feed. R. Eberly. 2,068,450; Jan. 19.
Grinding machine. W. G. Baldenhofer. 2,068,529; Jan. 19.
Grounding means. W. A. Haig. 2,068,545; Jan. 19.
Guard, Road. E. V. Camp. 2,067,887; Jan. 19.
Guard, Thumb. H. S. Paul. 2,068,109; Jan. 19.
Gun for shellac, paints, etc., Electric spray. E. A. Steckel, Jr., and E. H. Bridenbaugh. 2,068,205; Jan. 19.
Gyroplane. E. B. Wilford and E. Daland. 2,068,617; Jan. 19.
Gyroplane, Sea. E. B. Wilford. 2,068,618; Jan. 19.
Hair, Apparatus for waving human. W. H. Bleuel and S. Steck. 2,068,366; Jan. 19.
Hair curler. A. Goodman. 2,068,602; Jan. 19.
Hair, Removing. E. Fetter. 2,067,909; Jan. 19.
Hair slide. B. Polák. 2,068,195; Jan. 19.
Hair waver, Duplex. A. E. Farrell. 2,068,170; Jan. 19.
Hair waving pad. R. L. Evans. 2,068,169; Jan. 19.
Hair waving method. P. G. Gaire. 2,068,174; Jan. 19.
Halogen-amino-flavanthrones and producing the same. W. Dettwyler. 2,068,312; Jan. 19.
Hammer, Free piston power. H. Byford. 2,067,886; Jan. 19.
Hamer mill. W. J. Ehrsam. 2,068,599; Jan. 19.
Hammer mill. A. C. Lindgren. 2,068,383; Jan. 19.
Handbag. C. M. Lewis. 2,068,058; Jan. 19.
Handbag. E. Nagel. 2,068,507; Jan. 19.
Hand brake. H. J. Lounsbury. 2,068,556; Jan. 19.
Hand covering. F. S. Jackson. 2,068,182; Jan. 19.
Handkerchief holding device mountable on a bed. T. B. Morris. 2,068,560; Jan. 19.
Handle: *See*—
Bath mitt handle. Door handle.
Handle bar construction. F. W. Schwinn. 2,068,474; Jan. 19.
Handles to stems, Attaching. E. H. Mueller. 2,067,976; Jan. 19.
Hanger: *See*—
Clothes hanger.
Heat transfer apparatus applicable to water tube boilers. W. Y. Lewis. 2,068,187; Jan. 19.
Heat transfer system. D. B. Knight. 2,068,549; Jan. 19.
Heater: *See*—
Forced air heater.
Heating value per unit volume of combustible gases, Apparatus for determining the total. E. X. Schmidt. 2,068,436; Jan. 19.
Heel-attaching machine. W. R. Barclay and F. Barton. 2,068,000; Jan. 19.
Hen battery. J. B. Olson and R. R. Young. 2,068,566; Jan. 19.
Hinge. F. G. Bates. 2,067,884; Jan. 19.
Holder: *See*—
Belt-type fishing rod holder.
Copy holder.
Electrode holder.
Notebook, pen, and pencil holder.
Pencil and eraser holder.
Shirt holder.
Telephone index holder.
Underhood record holder.
Holder of tools. A. Zerver. 2,068,308; Jan. 19.
Holding device for the sheets of loose leaf books. J. Fahrnbühl. 2,068,229; Jan. 19.
Hopper feeder. A. P. Aldrich, Jr. 2,068,587; Jan. 19.
Hose coupler lock. W. W. Wilson. 2,068,096; Jan. 19.
Hosiery knitting machine, Full fashioned. S. C. Mack. 2,068,276; Jan. 19.
Humidifier, Automatic. H. W. Patterson. 2,068,431; Jan. 19.
Hydraulic brake. W. F. Oliver. 2,068,150; Jan. 19.
Hygroscopic actuating element. I. W. Knight. 2,068,416; Jan. 19.
Ignition transformer. D. C. Thordarson. 2,068,522; Jan. 19.
Indicator: *See*—
Track level indicator. Water level indicator.
Indicator. L. B. Paul. 2,068,466; Jan. 19.
Indicator for weighing scales. J. F. Sullivan. 2,068,390; Jan. 19.
Inductance device. D. W. Grant. 2,068,320; Jan. 19.
Ink, Indelible. B. W. Smith. 2,068,204; Jan. 19.
Inkstand and bottle therefor. L. Zimmerman. 2,068,526; Jan. 19.
Insulated container. C. L. Newport and H. C. Smith. 2,068,384; Jan. 19.
Insulating material and applying and sealing the same. W. H. Horsman. 2,068,180; Jan. 19.
Insulating material and producing same. C. W. Poe. 2,067,982; Jan. 19.
Insulation, Electrical. B. Townshend. 2,068,208; Jan. 19.
Internal combustion engine. F. S. Prothero. 2,068,038; Jan. 19.
Internal combustion engine. A. R. Wurtele. 2,068,585; Jan. 19.
Ironing table. G. W. Lewis. 2,068,274; Jan. 19.
Jack: *See*—
Mine roof jack.
Joist. E. D. Coddington. 2,068,052; Jan. 19.
Juice extractor. C. M. Fridlender and E. A. Fridlender. 2,068,013; Jan. 19.
Kiln control arrangement, Rotary. A. Smith. 2,068,574; Jan. 19.
Kitchen accessory. N. J. Rice. 2,067,983; Jan. 19.
Knitted article. I. Arbib. 2,067,895; Jan. 19.
Knitting machine. H. S. Horrocks. 2,068,179; Jan. 19.
Knitting machine. H. McAdams. 2,068,558; Jan. 19.
Knitting machine for manufacture of elastic strips or pieces. N. O. Brantly. 2,067,900; Jan. 19.
Ladle structure. L. E. Allen. 2,067,883; Jan. 19.
Laminated article. A. W. Coffman. 2,068,533; Jan. 19.
Lamp: *See*—
Arc discharge lamp. Electric lamp.
Lamp. T. W. Rolph. 2,068,246; Jan. 19.
Lamp. F. Schwartz. 2,068,079; Jan. 19.
Last. A. G. Legge. 2,068,057; Jan. 19.
Latch mechanism, Door. D. Miller. 2,068,063; Jan. 19.
Leg-supporting means for obstetrical beds. A. Comper. 2,067,891; Jan. 19.
Licorice mass, Making. W. L. Geddes. 2,067,913; Jan. 19.
Lighting system, Automobile. W. R. Tomlin. 2,068,580; Jan. 19.
Line drop compensation. Z. O. St. Palley. 2,068,576; Jan. 19.
Liner, Basket. G. F. Fillbrandt. 2,068,404; Jan. 19.
Link, Emergency repair. J. B. Bambenek, D. C. Bambenek, and P. Worner. 2,068,222; Jan. 19.
Liquid and powder dispensing container. K. D. Meredith. 2,068,034; Jan. 19.
Liquid diffusion apparatus. A. L. Webre. 2,068,094; Jan. 19.
Liquids and solids, Separation of. M. D. Engle. 2,068,099; Jan. 19.
Liquids, Device for applying thin layers of. J. M. Wilson. 2,068,213; Jan. 19.
Lock: *See*—
Hose coupler lock.
Lock. J. W. Fitz Gerald. 2,068,405; Jan. 19.
Lock for hose couplers. E. A. Russell. 2,068,097; Jan. 19.
Lock slider for separable fasteners. D. Marinsky. 2,068,502–3; Jan. 19.
Loom: *See*—
Circular loom.
Lubricating device. P. L. Crittenden. 2,068,377; Jan. 19.
Lubricating pump. G. H. Acker. 2,068,392; Jan. 19.
Lubricating system. G. H. Acker. 2,068,391; Jan. 19.
Lubrication. J. Bijur. 2,067,898; Jan. 19.
Lubrication fitting. W. R. Konkle. 2,068,417; Jan. 19.
Lubricator: *See*—
Automatic lubricator.
Luminous sign. H. R. Van Deventer and J. J. Shively. 2,068,360; Jan. 19.
Machine and method for making pretzels. C. L. Hoff. 2,068,234; Jan. 19.
Machine for applying or laying flexible sheet material over corrugated surfaces. C. D. Hindall. 2,068,133; Jan. 19.
Machine for cleaning seeds. R. R. Freund. 2,068,101; Jan. 19.
Machine for making corrugated paperboard. G. W. Swift, Jr. 2,068,155; Jan. 19.
Machine for making stuffing for furniture. J. Kronheim. 2,068,139; Jan. 19.
Machine for producing foodstuffs made of dough. A. Baechi. 2,068,220; Jan. 19.

Machine for testing lubricants. J. F. Werder. 2,067,996; Jan. 19.
Machine tool. M. E. Lange. 2,068,552; Jan. 19.
Machine tool. A. Trosch. 2,068,523; Jan. 19.
Magnetic brake. A. G. Larson. 2,068,336; Jan. 19.
Magnetic track brake. A. G. Larson. 2,068,335; Jan. 19.
Mail box. W. C. Luss. 2,068,275; Jan. 19.
Marble shifting mechanism for game boards. D. E. Hooker. 2,068,178; Jan. 19.
Marker, Adjustable. L. S. Murphy. 2,068,561; Jan. 19.
Mast for excavating machines. R. E. Ljungkull. 2,068,554; Jan. 19.
Mat. I. Klaff. 2,068,029; Jan. 19.
Material and preparing the same, Artificial. G. Schneider. 2,067,950; Jan. 19.
Material, Covering. J. A. Topping. 2,068,118; Jan. 19.
Material, Working moldable. H. L. Ward. 2,068,361; Jan. 19.
Matter, Apparatus for extruding. J. Wells. 2,068,362; Jan. 19.
Mechanical movement. G. Hammond. 2,068,488; Jan. 19.
Mercury salts of an oxygen acid of a halogen, Aromatic. C. N. Andersen. 2,067,894; Jan. 19.
Metal, Method and apparatus for handling type. G. L. Curle and W. H. F. Thompson. 2,068,004; Jan. 19.
Metallurgy. C. Hardy. 2,068,322; Jan. 19.
Metal working. S. D. Murphy and F. V. Osborn. 2,068,563; Jan. 19.
Metalworking apparatus. S. D. Murphy and F. V. Osborn. 2,068,564; Jan. 19.
Meter: *See*—
Diaphragm meter. Phase unbalance meter.
Electric rate meter.
Meter and advertising device, Combined parking. R. W. Babson. 2,068,121; Jan. 19.
Mill: *See*—
Attrition mill. Hammer mill.
Mine roof jack. F. J. Jakoubek and W. E. Gahl. 2,068,491; Jan. 19.
Mining machine. T. E. Pray. 2,068,070; Jan. 19.
Mining machine. L. E. Simmons. 2,068,573; Jan. 19.
Mirror, Making the same, and composition of reflecting element therefor. H. W. Edwards. 2,067,907; Jan. 19.
Molding. S. D. Murphy and F. V. Osborn. 2,068,562; Jan. 19.
Molding apparatus. E. F. Nickol. 2,068,302; Jan. 19.
Mono-azodyestuffs. R. Fleischhauer. 2,068,172; Jan. 19.
Monomethylamine and dimethylamine, Production of. P. Herold and K. Smeykal. 2,068,132; Jan. 19.
Motor and the like construction, Electric. S. N. Mead. 2,068,189; Jan. 19.
Motor control, Single-phase multispeed. G. E. Michelsen. 2,068,559; Jan. 19.
Motor mechanism, Electromagnetic. C. T. Blume. 2,068,531; Jan. 19.
Motors, Automatically restarting electric. J. F. Frese. 2,068,600; Jan. 19.
Mounting, Ophthalmic. L. H. Kirk. 2,068,273; Jan. 19.
Mounting, Ophthalmic. E. F. M. Speidel. 2,068,519; Jan. 19.
Mounting, Reflector. J. J. O'Neill. 2,068,192; Jan. 19.
Mower attachment, Lawn. G. C. and M. V. Haffner. 2,067,916; Jan. 19.
Musical signaling apparatus. C. Miller. 2,068,629; Jan. 19.
Musical stringed instrument. C. T. Samuelson. 2,068,078; Jan. 19.
Nebulizer. M. Simpson. 2,068,518; Jan. 19.
Necktie retainer. T. Helske. 2,068,454; Jan. 19.
Nonskidding device for use on road vehicles. W. Erdmann. 2,068,541; Jan. 19.
Notebook, Pen, pencil holder, loose leaf. J. Rezner. 2,068,470; Jan. 19.
Nozzle attachment. O. W. Overhuls. 2,068,193; Jan. 19.
Nozzle, Suction. L. Linghammar. 2,068,496; Jan. 19.
Nut, Lock. A. Stoll. 2,068,613; Jan. 19.
Nut making, Apparatus for. H. Rosenberg. 2,068,075; Jan. 19.
Oestrus-promoting substance from the anterior lobes of the hypophysis and preparing it. C. L. Lautenschläger, O. Schaumann, and W. Ludwig. 2,068,297; Jan. 19.
Oil burner. C. D. Edwards. 2,068,286; Jan. 19.
Oil burner. H. E. Woolery. 2,068,216; Jan. 19.
Oil burning device. B. Valjean. 2,068,441; Jan. 19.
Oil reclaiming apparatus, Lubricating. W. Schwalge. 2,068,473; Jan. 19.
Oil testing device. A. G. Thomas. 2,068,476; Jan. 19.
Olefins, Polymerizing. F. H. Gayer. 2,068,016; Jan. 19.
Operating mechanism. L. J. Linde. 2,068,553; Jan. 19.
Optical color-matching apparatus. W. Nagel. 2,068,301; Jan. 19.
Oscillating wiping machine. C. D. Galloway. 2,068,601; Jan. 19.
Overall construction. E. L. Patrick. 2,068,194; Jan. 19.
Overshoe, Flexible rubber. H. Malm. 2,068,238; Jan. 19.
Pack binding construction. F. S. Schade. 2,068,280; Jan. 19.
Package, Batting. R. S. Dwight. 2,068,167; Jan. 19.
Packaging machine. A. M. Goldstein and M. Garfinkel. 2,068,407; Jan. 19.
Packing material, Thermo nonconducting. C. Gottwald. 2,068,019; Jan. 19.
Packing strip. E. Meyer. 2,068,035; Jan. 19.
Packless ejector flush valve. W. C. Weber. 2,068,252; Jan. 19.
Pad: *See*—
Hair waving pad.
Panels that shrink, Fastening. A. Elmendorf. 2,068,098; Jan. 19.
Paper and making same, Distinctive. B. W. Smith. 2,067,988; Jan. 19.
Paper article and making same. G. J. Manson. 2,068,299; Jan. 19.
Paper cutting machine. A. Misch. 2,068,504; Jan. 19.
Paper manufacture. R. F. Remler. 2,068,151; Jan. 19.
Pawl and ratchet device. C. H. Taylor. 2,067,990; Jan. 19.
Pen, Fountain. G. Larsen. 2,068,419; Jan. 19.
Pencil and eraser holder. E. M. Gorrell. 2,068,487; Jan. 19.
Phase unbalance meter. G. Stark. 2,068,575; Jan. 19.
Pigment and preparing the same, Inorganic colored. E. Korinth and G. Meder. 2,068,294; Jan. 19.
Pigment manufacture. H. R. Rafton. 2,068,039; Jan. 19.
Pigments, Coating. W. J. O'Brien. 2,068,066; Jan. 19.
Pigments, Manufacture of. H. Dourif. 2,067,906; Jan. 19.
Pin: *See*—
Safety pin.
Pipe or similar article, Smoking. F. F. Ellingwood, A. S. Zimmerman, and S. Frey. 2,068,598; Jan. 19.
Piston. E. C. Long. 2,068,341; Jan. 19.
Piston and piston ring. C. N. Teetor. 2,068,042; Jan. 19.
Piston ring. D. M. Solenberger. 2,068,114; Jan. 19.
Piston sealing device. D. M. Solenberger. 2,068,115; Jan. 19.
Planter, Seed. G. M. Kriegbaum. 2,068,382; Jan. 19.
Planting implement. F. H. Holwick. 2,068,105; Jan. 19.
Plastic materials, Process and apparatus for drying. A. O. Hurxthal. 2,068,181; Jan. 19.
Plug: *See*—
Fuse plug. Spark plug.
Pocket for shoes and using the same, Shank. B. E. Matthews. 2,068,060; Jan. 19.
Polymerization products, Production of. H. Mark, H. Fikentscher, J. Hengstenberg, and G. v. Süsich. 2,068,424; Jan. 19.
Position control system. H. L. Hull. 2,068,490; Jan. 19.
Power plants, System for the remote operation of. E. Pearson. 2,067,944; Jan. 19.
Primer charge, Stratified. F. R. Seavey. 2,068,516; Jan. 19.
Precision machine tool. L. Seletsky. 2,068,199; Jan. 19.
Press mechanism. R. J. Nordquist. 2,067,943; Jan. 19.
Pressure relief valve. F. P. Illsley. 2,067,924; Jan. 19.
Printer, Projection. R. F. Brady. 2,068,480; Jan. 19.
Projector, Portable. H. A. De Vry. 2,067,893; Jan. 19.
Protector: *See*—
Die protector.
Puller for axle shafts and the like. W. E. A. Knopp. 2,068,184; Jan. 19.
Pump: *See*—
Centrifugal pump. Rotary pump.
Lubricating pump.
Pump. D. P. Davies. 2,068,536; Jan. 19.
Pump. G. W. Rawlings. 2,068,196; Jan. 19.
Pump, Lubricating a deep well. J. M. Halt. 2,068,175; Jan. 19.
Pump valve. C. Brown. 2,068,481; Jan. 19.
Rack: *See*—
Foldable rack.
Rack for garment hangers. G. I. Elmore. 2,068,451; Jan. 19.
Radiator. W. E. Kuenstler. 2,068,236; Jan. 19.
Radio receiving set. A. N. Goldsmith. 2,068,233; Jan. 19.
Radio tuner, Automatic. A. A. Thomas. 2,067,992; Jan. 19.
Rail and rail joint, Railway. S. G. Thompson. 2,067,955; Jan. 19.
Rail connecter, Adjustable ground. C. R. Anderson. 2,068,528; Jan. 19.
Rake, Hay. A. J. Synck. 2,068,092; Jan. 19.
Rake, Tractor sweep. J. E. Murphy. 2,068,191; Jan. 19.
Range, Cooking and heating. J. E. Leonard. 2,068,143; Jan. 19.
Rayon and process and apparatus for the manufacture thereof. F. W. Mattinson. 2,068,031; Jan. 19.
Rayon in cake form, Dyeing. T. McConnell. 2,068,277; Jan. 19.
Rayon, Method and apparatus for manufacture of. F. W. Mattinson. 2,068,033; Jan. 19.
Rayon, Process and apparatus for the manufacture of. G. W. Bryant. 2,068,032; Jan. 19.
Razor. E. O. Robbins. 2,068,610; Jan. 19.
Razor, Safety. W. P. Grath. 2,068,380; Jan. 19.
Razor, Safety. N. M. Stanley. 2,068,085; Jan. 19.
Reaction product and process. H. A. Bruson and L. W. Covert. 2,068,634; Jan. 19.
Recorder: *See*—
Composite recorder.
Rectifier. M. Masnou. 2,068,557; Jan. 19.
Refractory and making the same, High-pressure nonplastic. R. P. Heuer. 2,068,411; Jan. 19.

Refrigerant in refrigerative circuits, Method and apparatus for condensing. J. G. Bergdoll. 2,068,478; Jan. 19.
Refrigerating apparatus. H. J. Dick. 2,068,007; Jan. 19.
Refrigerating apparatus. C. F. Henney. 2,068,131; Jan. 19.
Refrigerating apparatus. K. W. Krummell. 2,068,333; Jan. 19.
Refrigerating device. J. A. Conrady. 2,068,398; Jan. 19.
Refrigerator. F. T. Rodgers. 2,068,074; Jan. 19.
Refrigerator. D. E. Rutishauser. 2,068,435; Jan. 19.
Refrigerator, Irradiating mechanical. S. C. Whitman. 2,068,212; Jan. 19.
Regulator: *See*—
Current regulator.
Regulator for dry materials, Feed. R. G. Quehl. 2,068,072; Jan. 19.
Relief valve. C. J. Schroeder. 2,068,248; Jan. 19.
Resistance element. N. C. Schellenger and W. E. Haselwood. 2,068,113; Jan. 19.
Rest, Shoe. S. J. Finn. 2,068,012; Jan. 19.
Retardation controlled brake. J. W. Logan, Jr. 2,068,339; Jan. 19.
Ring: *See*—
Piston ring.
Road leveler. M. E. Peterson. 2,068,433; Jan. 19.
Road materials, Manufacture of. E. O. Rhodes. 2,068,304; Jan. 19.
Road paving compositions, Preparing. E. B. Cadwell. 2,068,164; Jan. 19.
Roller bearing. F. G. Seifarth. 2,068,198; Jan. 19.
Roller bit. A. C. Catland. 2,068,375; Jan. 19.
Rotary machine. F. W. Hild. 2,067,921; Jan. 19.
Rotary pump. A. A. Ross. 2,068,570; Jan. 19.
Roughing machine for shoes, Fore part. A. T. Tempesta. 2,068,157; Jan. 19.
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Rubber, Preservation of. A. M. Neal. 2,067,978; Jan. 19.
Rubber, Vulcanization of. R. L. Sibley. 2,068,355; Jan. 19.
Rubbers, Molding flexible. H. Malm. 2,068,239; Jan. 19.
Safety pin. B. R. Nyhagen. 2,068,385; Jan. 19.
Salinometer. V. H. Godfrey. 2,067,914; Jan. 19.
Sampling device. J. M. McManus. 2,068,344; Jan. 19.
Sanding machine. H. L. Myers. 2,068,347; Jan. 19.
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Sanitary dispenser. E. P. Harp. 2,068,023; Jan. 19.
Sanitary napkin. H. R. Williams. 2,067,961; Jan. 19.
Saw, Power. D. W. Shurtz. 2,068,201; Jan. 19.
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Scalp treating device. C. C. Taylor. 2,067,991; Jan. 19.
Scum paddling device for sludge digestion tanks. M. B. Tark. 2,068,521; Jan. 19.
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Securing device. G. A. Bouvier and H. W. Larson. 2,068,368; Jan. 19.
Seed sorting machine. L. A. Medcalf. 2,068,146; Jan. 19.
Separable fastener. E. O. Seaver. 2,068,354; Jan. 19.
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Septic tank. W. E. Jaquith. 2,068,140; Jan. 19.
Service device, Quick. J. C. McCune. 2,068,343; Jan. 19.
Settling tank. G. L. Morehead. 2,068,428; Jan. 19.
Shaker conveyer. E. R. Bergmann. 2,068,592; Jan. 19.
Shaping device. L. A. Burton. 2,068,625; Jan. 19.
Shelf, Glass tank feeding. F. G. Schwalbe. 2,068,515; Jan. 19.
Shipping container. J. R. Miller. 2,068,064; Jan. 19.
Shirt holder. L. DeFrances. 2,068,006; Jan. 19.
Shoe. T. Buek, Jr. 2,068,482; Jan. 19.
Shoe and making same. F. Maccarone. 2,068,237; Jan. 19.
Shoe clamping device. J. Pavoni. 2,068,608; Jan. 19.
Shoe cleaning tool. L. W. Barnes. 2,068,001; Jan. 19.
Shoetree. J. Gershune. 2,068,231–2; Jan. 19.
Shutter structure for motion picture machines. P. J. Berggren. 2,068,259; Jan. 19.
Sieve. A. D. Hunsicker. 2,068,413; Jan. 19.
Sign: *See*—
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Signaling device. E. Aufiero. 2,068,256; Jan. 19.
Siphon attachment. L. S. Wetmore and O. C. Goeriz. 2,068,363; Jan. 19.
Siren, Electric. C. P. Meussdorffer. 2,068,427; Jan. 19.
Slicer, String bean. A. W. Norman. 2,068,464; Jan. 19.
Slider, Fastener. J. H. Kohler. 2,068,627; Jan. 19.
Sluice pipe cleaner. D. Yardley. 2,068,046; Jan. 19.
Snap fastener. P. Upham. 2,068,633; Jan. 19.
Socket, Radio tube. A. W. Franklin. 2,068,230; Jan. 19.
Solutions, Apparatus for measuring the concentration of. F. H. Mackenzie. 2,068,499; Jan. 19.
Solutions of sulphur dioxide, Emulsifiable. K. T. Steik and J. F. Muller. 2,068,089; Jan. 19.
Sound emitting apparatus. M. V. Horn, E. H. Roy, and H. I. Lovett. 2,068,106; Jan. 19.
Spark plug. L. F. Lieser. 2,068,030; Jan. 19.
Spectacle level. M. H. Harris. 2,068,103; Jan. 19.
Spider, Automatic drilling. W. A. Abegg. 2,068,217; Jan. 19.
Spring: *See*—
Elastic spring. Vehicle spring.
Stand for display devices. W. Stuebing, Jr. 2,068,358; Jan. 19.
Starting mechanism. R. M. Nardone. 2,068,463; Jan. 19.
Starting system, Automatic. I. E. Coffey. 2,068,484; Jan. 19.
Statue, lamp, and loudspeaker, Combined. C. J. Applestam. 2,068,519; Jan. 19.
Staybolt connections, Forming. H. J. Peters. 2,068,432; Jan. 19.
Stoker. J. Goetz. 2,068,018; Jan. 19.
Stone and the like, Cutting. J. G. Tuligren. 2,067,956; Jan. 19.
Stone, Coloring. C. E. Cleveland and V. E. Peterson. 2,068,483; Jan. 19.
Stop for separable fasteners, End. D. Marinsky. 2,068,501; Jan. 19.
Stove or range, Oil. L. S. Chadwick and C. J. Kessler. 2,068,122; Jan. 19.
Strainer or filter, Fluid. R. Strindberg. 2,068,282; Jan. 19.
Strand handling apparatus. R. D. Jessup. 2,068,330; Jan. 19.
Strand working apparatus. E. J. McIlvried. 2,067,973; Jan. 19.
Strolier. L. L. Kramer. 2,068,295; Jan. 19.
Substances into receptacles, Shaping and transferring. R. L. Messerly. 2,069,346; Jan. 19.
Sulphonates and products thereof, Purifying and fractioning mahogany. L. D. Myers and L. A. Stegemeyer. 2,068,149; Jan. 19.
Sulphur, Production of. T. C. Oliver. 2,068,430; Jan. 19.
Superheater unit. W. H. Hinsch. 2,068,412; Jan. 19.
Support and making the same. A. F. Westlund and S. D. Murphy. 2,068,583; Jan. 19.
Swatter, Fly. J. G. Wasson. 2,068,211; Jan. 19.
Switch: *See*—
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Direction indicator switch. Time switch.
Electric switch. Ventilator switch.
Switch construction, Thermostatic. G. E. Hulse. 2,068,270; Jan. 19.
Switch for vehicles, Automatic signal actuating. R. Erich. 2,068,315; Jan. 19.
Switch operating apparatus, Railway. W. C. McWhirter and E. G. Little. 2,067,974; Jan. 19.
Tab. N. Bulwa and E. Feibusch. 2,068,393; Jan. 19.
Table: *See*—
Ironing table.
Tablet-making machine. L. H. Bailey. 2,068,619; Jan. 19.
Take-up mechanism. J. P. Costello. 2,068,534; Jan. 19.
Take-up mechanism for knitting machines. R. H. Lawson and A. N. Cloutier. 2,068,605; Jan. 19.
Tank: *See*—
Septic tank. Settling tank.
Tank structure. F. G. Thwaits. 2,067,994; Jan. 19.
Tank vapor electric device, Metal. E. H. Reid and F. H. Anderson. 2,068,568; Jan. 19.
Tape for separable fasteners, Mounting. D. Marinsky. 2,068,500; Jan. 19.
Telephone index holder. E. J. Huott. 2,068,271; Jan. 19.
Telephone mounting device or the like. E. F. Sibbert. 2,068,517; Jan. 19.
Tension rolling apparatus and method. E. B. Hudson. 2,067,923; Jan. 19.
Tensioning device for shuttles. J. B. Plevyak. 2,068,469; Jan. 19.
Terminal connecter, Multiple. F. A. Dotterer. 2,067,314; Jan. 19.
Terminal, Solderless electrical. R. N. Rowe. 2,068,152; Jan. 19.
Testing apparatus. E. C. Cooper. 2,067,892; Jan. 19.
Textile fabrics with liquids, Apparatus for the continuous treatment of. G. Haeberlin. 2,067,915; Jan. 19.
Textile fiber and waterproofing and strengthening the same. J. F. X. Harold. 2,068,546; Jan. 19.
Textile fibers and the results produced thereby, Treatment of. D. S. Chamberlin. 2,067,888; Jan. 19.
Textile materials and preparing the same, Artificial. G. Schneider. 2,067,951; Jan. 19.
Textile preparation and its preparation. H. Platt. 2,067,947; Jan. 19.
Textile process and product. G. R. Blake and G. W. Seymour. 2,068,003; Jan. 19.
Thermionic discharge relay system. G. S. Schaberle. 2,068,040; Jan. 19.
Thermostatic controlling apparatus. J. E. Wasson. 2,067,959; Jan. 19.
Thermostatic switch. J. E. Carlson. 2,068,374; Jan. 19.
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Thio- and seleno-carbocyanines. W. Zeh, A. Sieglitz, and M. Dabelow. 2,068,047; Jan. 19.
Thread cutting mechanism. D. W. Klau. 2,067,965; Jan. 19.
Tie stay. E. W. Sharkey. 2,068,153; Jan. 19.
Time lag in electrical circuits, Producing. L. M. Ilgenfritz. 2,068,293; Jan. 19.
Time switch. J. E. McAllister. 2,067,936; Jan. 19.
Time switch. J. E. McAllister. 2,068,145; Jan. 19.

Tire, Antiskid. H. Z. Bishop. 2,068,050; Jan. 19.
Tire inflater. J. H. Alessi. 2,067,882; Jan. 19.
Tire valve. A. Engel. 2,068,266; Jan. 19.
Toilet appliance, Sanitary. O. R. Wallace. 2,067,958; Jan. 19.
Tool: *See*—
Bushing extracting and inserting tool.
Dusting tool.
Machine tool.
Precision machine tool.
Sand testing tool.
Shoe cleaning tool.
Tool forming attachment. E. B. Schüberg and N. J. L. Sandström. 2,068,611; Jan. 19.
Tools for packers and the like, Setting. C. C. Brown. 2,067,885; Jan. 19.
Top device, Multiple spinning. E. G. Gehman. 2,068,053; Jan. 19.
Track level indicator. J. A. Given. 2,068,017; Jan. 19.
Traffic controlling apparatus, Railway. C. G. Harwig. 2,068,381; Jan. 19.
Train braking system. E. E. Hewitt. 2,068,337; Jan. 19.
Transfer compositions and the printing thereof. F. G. Francis. 2,068,268; Jan. 19.
Transmission, Automatic. O. H. Banker. 2,067,897; Jan. 19.
Transmission, Automatic. R. E. Keller. 2,068,142; Jan. 19.
Transmission, Auxiliary. C. E. Starr. 2,068,437; Jan. 19.
Transmission measuring system. H. A. Affel and F. H. Best. 2,068,309; Jan. 19.
Trap: *See*—
Animal trap.
Trigger and safety device, Selective hair. J. T. Gurney. 2,068,289; Jan. 19.
Truck cover. O. C. Tate, Sr. 2,068,041; Jan. 19.
Tube closing machine. C. J. Westin. 2,068,615; Jan. 19.
Tube connections, Forming. H. J. Peters. 2,067,945; Jan. 19.
Tubular structure. V. F. Hammel. 2,068,022; Jan. 19.
Tungsten wire reducing machine. H. V. Schlacks. 2,068,352; Jan. 19.
Turnstile, Display. M. E. Harrison and A. V. Echternach. 2,068,323; Jan. 19.
Typewriting machine. C. Gabrielson. 2,068,269; Jan. 19.
Typewriting machine. G. F. Rose. 2,068,247; Jan. 19.
Typewriting machine, Multiple copy. L. D. Nelson. 2,068,348; Jan. 19.
Umbrella. E. Okun. 2,068,067; Jan. 19.
Underhood record holder. E. H. Souter. 2,068,083; Jan. 19.
Valve: *See*—
Fluid pressure valve.
Fuel control valve.
Packless ejector flush valve.
Pressure relief valve.
Pump valve.
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Tire valve.
Valve. J. Hansen. 2,067,917; Jan. 19.
Valve. P. Spence. 2,067,953; Jan. 19.
Valve for carburetors, Air regulating. E. T. Condon. 2,067,902; Jan. 19.
Valve for carburetors, Regulating. E. T. Condon. 2,067,901; Jan. 19.
Valve for spray guns, Air. W. R. Brown. 2,068,225; Jan. 19.
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Valve for toilets, Flushing. P. H. Theisen. 2,068,158; Jan. 19.
Vapor discharge device. J. L. Cox. 2,068,596; Jan. 19.
Vase, flush type, Cemetery ground. G. W. Hagle. 2,068,291; Jan. 19.
Vase, raised type, Cemetery ground. G. W. Hagle. 2,068,290; Jan. 19.
Vehicle body. W. L. Morrison. 2,068,505; Jan. 19.
Vehicle brake. L. C. Algee and W. E. Dickson. 2,068,588; Jan. 19.
Vehicle brake. L. E. Wirth. 2,068,120; Jan. 19.
Vehicle braking means. L. H. Messinger, Jr. 2,067,975; Jan. 19.
Vehicle, Juvenile. H. L. Kraeft. 2,068,125; Jan. 19.
Vehicle spring. D. Ballew. 2,068,049; Jan. 19.
Vehicle tank structure. F. G. Thwaits. 2,067,993; Jan. 19.
Vehicular apparatus. A. L. Ekstrom. 2,068,403; Jan. 19.
Ventilator: *See*—
Window ventilator.
Ventilator switch. W. Melin. 2,068,426; Jan. 19.
Vibrator, Therapeutic. F. H. Newton. 2,067,979; Jan. 19.
Vise, Bench. C. P. Dinsmore. 2,068,228; Jan. 19.
Washing machine. C. J. Soderholm. 2,068,356; Jan. 19.
Water level indicator. C. L. Howse. 2,068,135; Jan. 19.
Water, Purification of musty. E. D. Ortega. 2,068,465; Water resistant molded articles and making them. C. A. Nash. 2,067,941; Jan. 19.
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Weighing filamentary bodies such as threads, Apparatus for. C. W. Orling. 2,068,036; Jan. 19.
Welding apparatus. P. E. Dodge. 2,068,166; Jan. 19.
Welt. P. C. Arnold. 2,068,364; Jan. 19.
Wheel: *See*—
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Wheel, more particularly for vehicles. A. G. F. Marriott. 2,068,240; Jan. 19.
Wheel suspension for automobiles, Independently acting. S. Jencick. 2,068,604; Jan. 19.
Window construction. R. W. McLaughlin, Jr. 2,068,243; Jan. 19.
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Wing-nuts, Apparatus for making. H. Rosenberg. 2,068,076; Jan. 19.
Wire fabric making machine. A. E. Blashill. 2,068,224; Jan. 19.
Wire straightening machine. J. T. Leech. 2,067,972; Jan. 19.
Wire tightening clip. C. E. Hedrick. 2,068,176; Jan. 19.
Wrapping machine. C. F. McAleer. 2,068,144; Jan. 19.
Wrench. J. E. Torbert, Jr. 2,068,207; Jan. 19.
Wringer. C. W. Williams. 2,068,525; Jan. 19.
Wringer, Clothes. C. B. Williams. 2,068,524; Jan. 19.
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	107: 2,067,935	214—	86: 2,067,954		2,068,246	259—	95: 2,068,356		56: 2,068,565		140: 2,068,286
	113: 2,068,569		123: 2,068,156	242—	55: 2,067,893	260—	1: 2,067,971		58: 2,068,255		140.1: 2,068,161
	118: 2,068,510	215—	43: 2,068,389	244—	18: 2,068,616		2: 2,067,919		59: 2,068,390	303—	3: 2,068,335
	121: 2,067,977		46: 2,068,444		2,068,617		2,068,424	266—	5: 2,068,477		2,068,336
	2,068,584	216—	6: 2,068,133		2,068,618		2,068,634	267—	19: 2,068,604		2,068,337
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	140: 2,067,959	219—	4: 2,068,043	246—	33: R. 20,248		15: 2,068,206	268—	30: 2,068,543		15: 2,068,345
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205—	16: 2,067,973	220—	9: 2,068,532	250—	9: 2,068,002		58: 2,068,124		138: 2,068,379		36: 2,068,317
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	44: 2,068,540		32: 2,067,994		20: 2,068,227		2,068,373	276—	44: 2,068,004		39: 2,068,343
	46: 2,068,167		52: 2,068,597		2,068,233		60: 2,068,313	277—	45: 2,068,248		46: 2,068,318
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	82: 2,068,393	221—	23: 2,068,471		27.5: 2,067,966		61: 2,068,350	281—	8: 2,068,272		54: 2,068,130
207—	16: 2,068,362		60: 2,067,917		2,067,967		64: 2,068,321		19: 2,068,443	306—	9: 2,068,458
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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abernathy, St. Elmo, Berkeley, Calif. Artemia saline compound. Serial No. 381,250; Jan. 26. Class 6.

Acnesolv Laboratories. (See Glauser, Meyer S.)

Adhesives, Inc., Cleveland, Ohio. Solution for removing rust and scale. Serial No. 385,382; Jan. 26. Class 6

Akhtar, Jamil, doing business as Taj Perfume Co. and East & West Herbs Laboratory, Detroit, Mich. Medicinal preparation. Serial No. 385,023; Jan. 26. Class 6.

Alabastine Company, The, Grand Rapids, Mich. Paints, varnishes, paint enamels, etc. Serial No. 383,192; Jan. 26. Class 16.

Albee, Lynn G., doing business as Zoe Pharmacal Company, Painesville, Ohio. Cold capsules. Serial No. 385,716; Jan. 26. Class 6.

Albek, Albert, Inc., Los Angeles, Calif. Wax. Serial No. 380,181; Jan. 26. Class 6.

Allied Golf Corporation, Chicago, Ill. Golf clubs. Serial No. 380,856; Jan. 26. Class 22.

American Bemberg Corporation, New York, N. Y. Cellulose filaments. Serial No. 370,649; Jan. 26. Class 43.

American Fordigraph Corporation, New York, N. Y. Duplicating machines and parts thereof. Serial No. 371,577; Jan. 26. Class 23.

American Pentosin Company. (See Herschel, Frederick C.)

American Zinc Sales Company, St. Louis, Mo. Zinc oxide for use as paint pigment. Serial No. 374,548; Jan. 26. Class 16.

Astrup Company, The, Cleveland, Ohio. Cotton piece goods. Serial No. 384,876; Jan. 26. Class 42.

Aulsbrook Company, The, Detroit, Mich. Spring assembly for upholstery purposes. Serial No. 380,030; Jan. 26. Class 32.

Ault & Wiborg Company, The, by judicial change of name to Ault & Wiborg Carbon & Ribbon Co., Inc., New York, N. Y. Mucilage and library paste. Serial No. 336,106; Jan. 26. Class 5.

Azmide Co. (See Raich, Nathan B.)

Baker's Forecaster, Inc., New York, N. Y. Publications. Serial No. 383,975; Jan. 26. Class 38.

Ballowitz, Dr., & Co. Chemisch-Pharmaz. Fabrik G. m. b. H., Berlin-Pankow, Germany. Preparation for treatment of headache. Serial No. 383,868; Jan. 26. Class 6.

Banana Products Company, Inc., New York, N. Y. Powdered banana product. Serial No. 384,643; Jan. 26. Class 46.

Battat, Ezekiel M., doing business as Battat Import-Export Company, San Francisco, Calif. Canned fish. Serial No. 385,774; Jan. 26. Class 46.

Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 386,094; Jan. 26. Class 42.

Benco Products. (See Bender, Joseph B.)

Bender, Joseph B., doing business as Benco Products, New York, N. Y. Cream shampoo. Serial No. 379,921; Jan. 26. Class 6.

Bender, Joseph B., doing business as Benco Products, New York, N. Y. Depilatory cream. Serial No. 379,923; Jan. 26. Class 6.

Benrus Watch Company, New York, N. Y. Watches and attached bracelets. Serial Nos. 386,187–94; Jan. 26. Class 27.

Benrus Watch Company, New York, N. Y. Watches and attached bracelets. Serial No. 386,196; Jan. 26. Class 27.

Benzofoam Products Co., The. (See Lesser, David B.)

Berman, Ralph E., doing business as Fine Art Patterns, New York, N. Y. Patterns for garments. Serial No. 381,062; Jan. 26. Class 26.

Betazyme Company. (See Krebs, E. T.)

Bischoff, Ernst, Company, Incorporated, New York, N. Y. Medicine. Serial No. 384,733; Jan. 26. Class 6.

Blue Line Chemical Company, The, St. Louis, Mo. Antiseptic. Serial No. 386,095; Jan. 26. Class 6.

Blue Ribbon Skoot-Mo-Bile, Chicago, Ill. Motor-driven bicycles. Serial No. 384,444; Jan. 26. Class 19.

Blumenthal, Henry S., Jackson Heights, N. Y. Typewriter and other inked ribbons. Serial No. 386,242; Jan. 26. Class 11.

Bonwit Teller, Inc., New York, N. Y. Dresses, outer skirts, blouses, etc. Serial No. 385,390; Jan. 26. Class 39.

Borden Company, The, New York, N. Y. Ice cream mix. Serial No. 386,199; Jan. 26. Class 46.

Boyer Chemical Laboratory Co., Inc., doing business as Boyer Chemical Works, Chicago, Ill. Lye. Serial No. 385,721; Jan. 26. Class 6.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. Serial No. 385,967; Jan. 26. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. Serial No. 386,343; Jan. 26. Class 22.

Bucholtz, A., Co., Inc., doing business as Cabiria Co., New York, N. Y. Hair dressing, hair coloring, and hair shampoo. Serial No. 381,018; Jan. 26. Class 6.

Bush, Edward G., Los Angeles, Calif. Hair tonic. Serial No. 384,405; Jan. 26. Class 6.

Butts, William J., New York, N. Y. Door holders. Serial No. 385,968; Jan. 26. Class 13.

Cabiria Co. (See Buchholtz, A., Co., Inc.)

Cannon Shoe Company, Baltimore, Md. Shoes. Serial No. 384,504; Jan. 26. Class 39.

Carus Chemical Co., Inc., LaSalle, Ill. Photo developers. Serial Nos. 385,556–7; Jan. 26. Class 6.

Casco Products Corporation, Bridgeport, Conn. Brake lever extensions, steering wheel knobs, and gear shift balls. Serial No. 384,992; Jan. 26. Class 19.

Cavanaugh, Doris H., doing business as Doris Hayes, Boston, Mass. Women's outer apparel. Serial No. 385,174; Jan. 26. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 386,361–2; Jan. 26. Class 42.

Celotex Corporation, The, Chicago, Ill. Structural heat insulation and acoustical materials. Serial No. 380,065; Jan. 26. Class 12.

Clapp, Otis, & Son, Inc., Boston, Mass. Sweetening tablets made of saccharin. Serial No. 383,984; Jan. 26. Class 6.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, and trousers. Serial No. 384,194; Jan. 26. Class 39.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. Serial No. 385,176; Jan. 26. Class 42.

Columbia Pictures Corporation, New York, N. Y. Motion pictures. Serial No. 384,786; Jan. 26. Class 26.

Columbia Plush & Puff Co., Inc., Brooklyn, N. Y. Hand bags and pouches. Serial No. 386,245; Jan. 26. Class 3.

Con-Ferro Paint & Varnish Company, St. Louis, Mo. Paint enamels, varnishes, and varnish stains. Serial No. 380,345; Jan. 26. Class 16.

Consolidated Cement Corporation, Chicago, Ill. Portland cement. Serial No. 385,214; Jan. 26. Class 12.

Cooley, Ruth, Springfield, Mass. Doilies, table mats, table cloths, etc. Serial No. 384,921; Jan. 26. Class 37.

Corn Products Refining Company, New York, N. Y. Combination of dry starches used as an adhesive in paste form. Serial No. 385,280; Jan. 26. Class 5.

Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for measuring and recording the calorific value of gases. Serial No. 385,780; Jan. 26. Class 26.

Dadas, Sophie, doing business as Mrs. Drosiou, Milwaukee, Wis. Cold cream and tissue and face cream. Serial No. 385,118; Jan. 26. Class 6.

Department Sales Company. (See Less, Joseph.)

Drosiou, Mrs. (See Dadas, Sophie.)

Drucker, Harry N., Cincinnati, Ohio. Roller skates. Serial No. 386,678; Jan. 26. Class 22.

Durand-McNeil-Horner Company, Chicago, Ill. Canned peaches, pears, apricots, and pineapple, and breakfast cereals. Serial No. 384,790; Jan. 26. Class 46.

East & West Herbs Laboratory. (See Akhtar, Jamil.)

Eastyarn, Inc., Brooklyn, N. Y. Yarns. Serial No. 376,338; Jan. 26. Class 43.

Ehrlich, Cilli, doing business as J. Ehrlich, Munich, Germany. Insecticides. Serial No. 378,651; Jan. 26. Class 6.

Erbrich, J. H., Products Co., Indianapolis, Ind. Sodium hypochlorite solution. Serial No. 377,784; Jan. 26. Class 6.

Farnsworth Television Incorporated, San Francisco, Calif. Thermionic tubes and electron discharge devices. Serial Nos. 384,738–40; Jan. 26. Class 21.

Fern, Ben, Sons, Terrace Park, Ohio. Fertilizers. Serial No. 384,584; Jan. 26. Class 10.

Fernandez, Palicio y Compania, S. en C., Habana, Cuba. Cigars. Serial No. 383,922; Jan. 26. Class 17.

Fine Art Patterns. (See Berman, Ralph E.)

Florasynth Laboratories, Inc., New York, N. Y. Food colors, perfume raw materials, perfume oil concentrates, etc. Serial No. 369,568; Jan. 26. Class 6.

Florida Portland Cement Company, Chicago, Ill. Portland cement. Serial No. 385,222; Jan. 26. Class 12.

Ford, J. B., Company, The, Wyandotte, Mich. Cleaning compound. Serial No. 384,925; Jan. 26. Class 4.

Forest City Brewery, Inc., Cleveland, Ohio. Ale. Serial No. 386,157; Jan. 26. Class 48.

French, R. T., Company, The, Rochester, N. Y. Mustard. Serial No. 379,956; Jan. 26. Class 46.

General Cosmetics Corporation, New York, N. Y. Styptic cream. Serial No. 386,076; Jan. 26. Class 6.

Germania Tea Company, Minneapolis, Minn. Tea. Serial No. 386,023; Jan. 26. Class 46.

Glauser, Meyer S., doing business as Acnesolv Laboratories, Philadelphia, Pa. Rectal suppositories. Serial No. 385,545; Jan. 26. Class 6.

Glenmore Distilleries Company, Louisville, Ky. Whiskey. Serial No. 385,397; Jan. 26. Class 49.

Glidden Company, The, Cleveland, Ohio. Purified gum, thus, rosin, and limed rosin. Serial No. 385,184; Jan. 26. Class 1.

Globe Brewing Company, The, Baltimore, Md. Ale and beer. Serial No. 385,578; Jan. 26. Class 48.
Globe Brewing Company, The, Baltimore, Md. Ale. Serial No. 385,579; Jan. 26. Class 48.
Goulard & Olena, Inc., New York, N. Y. Moth-deodorant preparation. Serial No. 378,917; Jan. 26. Class 6.
Guy Rub Lab. (See Kuether, Otto H.)
Hayes, Doris. (See Cavanaugh, Doris H.)
Heathcoat, John, & Co., Inc., New York, N. Y. Nettings, piece goods. Serial No. 376,206; Jan. 26. Class 42.
Henex, S. A., Mexico, D. F., Mexico. Preparation for removing oxide and rust. Serial No. 371,031; Jan. 26. Class 6.
Hercules Powder Company, Wilmington, Del. Liquid, waxy substance used as a plasticizer and softening agent. Serial No. 385,519; Jan. 26. Class 6.
Herschel, Frederick C., doing business as American Pentosin Company, River Edge, N. J. Cod liver oil emulsion. Serial No. 384,747; Jan. 26. Class 6.
Hirestra Laboratories, Inc., New York, N. Y. Skin cream. Serial No. 386,029; Jan. 26. Class 6.
Hocking Glass Company, The, Lancaster, Ohio. Glass tableware, condiment jars, coffee jars, etc. Serial No. 376,278; Jan. 26. Class 33.
Hoffmann-La Roche, Inc., Nutley, N. J. Bismuth oxyiodogallate. Serial No. 385,733; Jan. 26. Class 6.
Horowitz, Moe D., Atlanta, Ga. Saponaceous compounds. Serial No. 385,097; Jan. 26. Class 4.
Howard, Lula, McAndrews, Ky. Household cleaner. Serial No. 385,440; Jan. 26. Class 4.
Ichikawa, T., doing business as Salinas Packing Company, Salinas, Calif. Fresh vegetables. Serial No. 385,791; Jan. 26. Class 46.
Illinois Hotels Foundation, Inc., Chicago, Ill. Distilled whiskey. Serial No. 386,211; Jan. 26. Class 40.
Institutional Publications, Inc., Chicago, Ill. Periodical. Serial No. 383,580; Jan. 26. Class 38.
Ironhard Paint & Color Works, Ltd., Los Angeles, Calif. Paints, varnishes, and paint enamels. Serial No. 385,081; Jan. 26. Class 16.
Johnson, Milton C., Company, Inc., New York, N. Y. Bank books, pass books, check books, etc. Serial No. 382,630; Jan. 26. Class 37.
Kawahara, Masao, doing business as Kawahara Co., Los Angeles, Calif. Insecticides. Serial No. 379,524; Jan. 26. Class 6.
Kayser, Julius, & Co., New York, N. Y. Fabric gloves. Serial No. 385,293; Jan. 26. Class 39.
Keyes Fibre Company, Waterville, Maine. Molded pulp packing devices. Serial Nos. 385,633–4; Jan. 26. Class 2.
Knox Company, The, Los Angeles, Calif. Preparation for bunions, burns, etc. Serial No. 385,692; Jan. 26. Class 6.
Kozy Coach Co., The. (See Lutes, Clarence M.)
Krebs, Byron A., doing business as San Francisco Pharmacal Co., San Francisco, Calif. Preparations for use in feminine hygiene. Serial No. 385,522; Jan. 26. Class 6.
Krebs, E. T., doing business as Betazyme Company, San Francisco, Calif. Capsules for intestinal fermentation and putrefaction. Serial No. 385,739; Jan. 26. Class 6.
Kuether, Otto H., doing business as Guy Rub Lab., Herington, Kans. Preparation for colds. Serial No. 378,603; Jan. 26. Class 6.
La Junta Canners, Inc., La Junta, Colo. Canned vegetables, canned vegetable juices. Serial No. 385,046; Jan. 26. Class 46.
Latimer-Goodwin Chemical Company, The, Grand Junction, Colo. Horticultural sprays and chemicals therefor destructive of plant parasites. Serial No. 384,752; Jan. 26. Class 6.
Lavett, Anthony E., doing business as Marvolene Company, Los Angeles, Calif. Preparation for the hair and scalp. Serial No. 383,409; Jan. 26. Class 6.
Less, Joseph, doing business as Department Sales Company, New York, N. Y. Razor blades. Serial No. 385,296; Jan. 26. Class 23.
Lesser, David B., doing business as The Benzofoam Products Co., Chicago, Ill. Dry cleaning soap. Serial No. 384,539; Jan. 26. Class 4.
Levy, M. S., & Sons, Inc., Baltimore, Md. Men's hats. Serial No. 376,053; Jan. 26. Class 39.
Lewis-Martin and Company, Newark, N. J. Rye bread flavor for rye bread. Serial No. 383,582; Jan. 26. Class 46.
Liberty Distributors, Inc., Dundalk, Md. Pure rye whiskey. Serial No. 385,465; Jan. 26. Class 40.
Liberty Orchards Company, Cashmere, Wash. Candy. Serial No. 384,753; Jan. 26. Class 46.
Liberty Overall Co., doing business as Liberty Trouser Company, Birmingham, Ala. Suits, coats, jackets, and pants. Serial No. 385,849; Jan. 26. Class 39.
Livesey, Henry P., doing business as Morlax, Kearny, N. J. Medicine for constipation, etc. Serial No. 378,573; Jan. 26. Class 6.
Lucidin Company, Inc., The, New York, N. Y. Eye lotion. Serial No. 386,215; Jan. 26. Class 6.
Lutes, Clarence M., doing business as The Kozy Coach Co., Kalamazoo, Mich. Trailers. Serial No. 386,039; Jan. 26. Class 19.
Macy, R. H., & Co., Inc., New York, N. Y. Slippers. Serial No. 385,851; Jan. 26. Class 39.
Magic-Lax Corp., Newark, N. J. Aspirin, cold and milk of magnsia tablets. Serial No. 385,444; Jan. 26. Class 6.
Mahoning Paint & Oil Company, The, Youngstown, Ohio. Paint, varnish, paint enamel, etc. Serial No. 385,360; Jan. 26. Class 16.
Makransky, S., & Sons, Philadelphia, Pa. Suits, coats, vests, etc. Serial No. 385,931; Jan. 26. Class 39.
Marvolene Company. (See Lavett, Anthony E.)
Mazer-Cressman Cigar Co., Detroit, Mich. Cigars. Serial Nos. 384,544–5; Jan. 26. Class 17.
McAllister, Harley J., St. Paul, Minn. Game. Serial No. 386,264; Jan. 26. Class 22.
McCrory Stores Corporation, New York, N. Y. Writing paper, writing pads, and envelopes. Serial No. 385,419; Jan. 26. Class 37.
Menasha Products Company, Menasha, Wis. Paper napkins. Serial No. 384,928; Jan. 26. Class 37.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in the nature of a vaccine or serum for colds, etc. Serial No. 374,976; Jan. 26. Class 6.
Methanthin Laboratories, Glendale, Calif. Medicinal preparation for heart trouble. Serial No. 384,593; Jan. 26. Class 6.
Midway Chemical Company, Chicago, Ill. Mops. Serial No. 386,062; Jan. 26. Class 29.
Miller Cereal Mills, Omaha, Nebr. Breakfast food cereals. Serial Nos. 385,365–6; Jan. 26. Class 46.
Minute Products Co. (See Rayo Chemical Corporation.)
Morlax. (See Livesey, Henry P.)
Mulford Colloid Laboratories, Philadelphia, Pa. Solution of iodine. Serial No. 383,308; Jan. 26. Class 6.
Nanialooze Vennootschap Pharmaceutische Fabriek A Mijnhardt, Zeist, Netherlands. Creams, oils, powders, rouge, etc. Serial No. 383,104; Jan. 26. Class 6.
Nagele's, H., Market, Manhasset, Long Island, N. Y. Wines. Serial No. 385,488; Jan. 26. Class 47.
National Drug Company, The, Philadelphia, Pa. Vaginal douche powder. Serial No. 385,856; Jan. 26. Class 6.
Neilson, Haward R., doing business as Neilson Chemical Company, Detroit, Mich. Chemical preparation for removing light scale, rust, etc. from the surface of metal. Serial No. 385,421; Jan. 26. Class 6.
Neotex Manufacturing Co., Inc., New York, N. Y. Crib sheets. Serial No. 384,606; Jan. 26. Class 42.
Nestle-Lemur Company, The, New York, N. Y. Preparation for use in waving hair. Serial No. 385,195; Jan. 26. Class 6.
Nixon, A. A., & Company, Omaha, Nebr. Feeds for live stock. Serial No. 385,988; Jan. 26. Class 46.
Nocto Laboratories. (See Williams, Edward C.)
Northwest Laboratories, Davenport, Iowa. Cough syrup. Serial No. 385,535; Jan. 26. Class 6.
Norton Company, Worcester, Mass. Abrading and grinding machines. Serial No. 384,905; Jan. 26. Class 23.
Nu-Ro-No Products Company, Warren, Ohio. Ointments and salves. Serial No. 384,687; Jan. 26. Class 6.
Orchard Paper Co., St. Louis, Mo. Wrapping paper. Serial No. 385,676; Jan. 26. Class 37.
Otis Company, Three Rivers, Mass. Cotton piece goods. Serial No. 386,267; Jan. 26. Class 42.
Pacific Car and Foundry Company, Seattle and Renton, Wash. Bus bodies. Serial No. 378,901; Jan. 26. Class 19.
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 385,602; Jan. 26. Class 6.
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 385,697; Jan. 26. Class 6.
Perfect Garment Company. (See Sobelman, Morris.)
Petersen, Johannes A., & Co., Hamburg, Germany. Wines. Serial No. 346,923; Jan. 26. Class 47.
Quaker Oats Company, The, Chicago, Ill. Grits, white and yellow cornmeal, ready-mix buckwheat, etc. Serial No. 385,940; Jan. 26. Class 46.
Raich, Nathan B., doing business as Azmide Co., Philadelphia, Pa. Medicinal preparations for the relief of asthma, etc. Serial No. 385,749; Jan. 26. Class 6.
Rayo Chemical Corporation, doing business as Minute Products Co., Brooklyn, N. Y. Salve, liniment, tooth powder, etc. Serial No. 384,932; Jan. 26. Class 6.
Richman, Robert, New York, N. Y. Hair and scalp preparation. Serial No. 386,084; Jan. 26. Class 6.
Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Grease proof and waxed wrapping paper in cartons and dispensing containers, etc. Serial No. 384,721; Jan. 26. Class 37.
Roma Wine Company, Inc., Lodi, Calif. Wines. Serial No. 386,085; Jan. 26. Class 47.
Sachsisches Serumwerk, Aktiengesellschaft, Dresden, Germany. Reagent for determining sugar in urine. Serial No. 383,751; Jan. 26. Class 6.
Sakanovsky, H., & Sons, Inc., Chicago, Ill. Chamois skin. Serial No. 383,485; Jan. 26. Class 1.

Salinas Packing Company. (See Ichikawa, T.)
San Francisco Pharmacal Co. (See Krebs, Byron A.)
Schiaparelli, Société Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 384,835; Jan. 26. Class 6.
Schlidge, George W., doing business as George W. Schlidge Paper Co., Chicago, Ill. Toilet paper. Serial No. 379,534; Jan. 26. Class 37.
Schneider Brick & Tile Co. Inc., New Orleans, La. Clay roofing tile. Serial No. 381,740; Jan. 26. Class 12.
Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Writing pens, and desk sets. Serial No. 385,702; Jan. 26. Class 37.
Shepherd Knit-Wear Co. Inc., New York, N. Y. Sweaters, bathing suits, knitted skirts, etc. Serial No. 383,510; Jan. 26. Class 39.
Siegman, Arthur, Inc., New York, N. Y. Neckties. Serial No. 385,994; Jan. 26. Class 39.
Signal Mountain Portland Cement Company, Chicago, Ill. Portland cement. Serial No. 385,237; Jan. 26. Class 12.
Simplex Cabinet Corporation, Detroit, Mich. Cabinets. Serial No. 385,309; Jan. 26. Class 32.
Sleeper, Inc., Chicago, Ill. Twin studio couches. Serial Nos. 381,226–7; Jan. 26. Class 32.
Slick-Shine Co. Inc., The, Newark, N. J. Metal polish, silver polish, and glass cleaner and polish. Serial No. 382,397; Jan. 26. Class 4.
Smoot Engineering Corporation, Chicago, Ill. Automatic gas mixer controls, automatic electrical frequency controls, etc. Serial No. 371,321; Jan. 26. Class 26.
Sobelman, Morris, doing business as Perfect Garment Company, Baltimore, Md. Dresses, coats, and suits. Serial No. 386,177; Jan. 26. Class 39.
Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. Serial No. 386,178; Jan. 26. Class 46.
Sports Guild Inc., New York, N. Y. Dresses, skirts, blouses, etc. Serial No. 385,497; Jan. 26. Class 39.
Squibb, E. R., & Sons, New York, N. Y. Antiseptic and germicides. Serial No. 385,269; Jan. 26. Class 6.
Standard Brands Incorporated, New York, N. Y. Yeast. Serial No. 385,454; Jan. 26. Class 46.
Standard Brands Incorporated, New York, N. Y. Yeast. Serial No. 385,706; Jan. 26. Class 46.
Standard Dairies, Inc., Philadelphia, Pa. Milk. Serial No. 385,202; Jan. 26. Class 46.
Star Liquor Co. (See Wallack, Nathan N.)
Stewart-Warner Corporation, Chicago, Ill. Automobile heaters. Serial No. 384,632; Jan. 26. Class 34.
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. Serial No. 385,012; Jan. 26. Class 37.
Strauss, B., M. & J., Ltd., London, England. Gin and rum. Serial No. 341,904; Jan. 26. Class 49.
Taj Perfume Co. (See Akhtar, Jamil.)
Tipperary Glove Factory Limited, Tipperary, Irish Free State. Gloves. Serial No. 384,872; Jan. 26. Class 39.
Tondat, Julius P., doing business as J. Tondat Company, Hartford, Conn. Insecticide. Serial No. 382,364; Jan. 26. Class 6.
Triangle Electric Co., Chicago, Ill. Electrical appliances. Serial No. 380,805; Jan. 26. Class 21.
Trinity Portland Cement Company, Chicago, Ill. Portland cement. Serial No. 385,238; Jan. 26. Class 12.
Triplex Oil Refining Company, Inc., Long Island City, N. Y. Motor lubricating oils. Serial No. 385,075; Jan. 26. Class 15.
Tritsch, C. M., Hagerstown, Md. Pure rye whiskey. Serial No. 385,466; Jan. 26. Class 40.
Trohn's Supplies, Inc., Mamaroneck, N. Y. Gasket material. Serial No. 385,076; Jan. 26. Class 35.
Tyler Laboratories, Inc., New York, N. Y. Alterative food supplement. Serial No. 384,724; Jan. 26. Class 6.
United Mink Producers' Association, Fort Atkinson, Wis. Cured mink pelts. Serial No. 385,316; Jan. 26. Class 1.
Universal Insulation Company, Chicago, Ill. High temperature thermal insulating cement. Serial No. 384,985; Jan. 26. Class 12.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 385,553; Jan. 26. Class 6.
Valentine & Company, New York, N. Y. Paints. Serial No. 385,499; Jan. 26. Class 16.
Vapyre Corporation, Brewster, N. Y. Bottled or packaged gas for heating and cooking purposes. Serial No. 385,429; Jan. 26. Class 6.
Wallack, Nathan N., doing business as Star Liquor Co., Washington, D. C. Whiskey, gin, and rum. Serial No. 372,383; Jan. 26. Class 49.
Walther, John L., New York, N. Y. Woolen, worsted, etc., piece goods. Serial No. 386,386; Jan. 26. Class 42.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, pillow cases, and sheets. Serial No. 386,464; Jan. 26. Class 42.
Wellington Sears Company, Boston, Mass. Cotton piece goods. Serial No. 384,987; Jan. 26. Class 42.
Wesco Foods Company, Cincinnati, Ohio. Cakes. Serial No. 384,637; Jan. 26. Class 46.
Western Containers, Inc., Seattle, Wash. Containers for baby chicks. Serial No. 385,918; Jan. 26. Class 2.
White, H. Kirk, & Co., Oconomowoc, Wis. Non-poisonous disinfectant. Serial No. 385,457; Jan. 26. Class 6.
White, H. Kirk, & Co., Oconomowoc, Wis. Powdered hand cleaner. Serial No. 385,459; Jan. 26. Class 4.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Gold alloy for wrought gold dental articles. Serial No. 385,546; Jan. 26. Class 44.
Williams, Arthur F., St. Paul, Minn. Eyeglass mountings and spectacle frames. Serial No. 385,272; Jan. 26. Class 26.
Williams, Edward C., doing business as Nocto Laboratories, Armorel, Ark. Preparation for the treatment of tricophytosis, etc. Serial No. 370,370; Jan. 26. Class 6.
Williams, J. H., & Co., Buffalo, N. Y. Jaws for tongs and pipe vises. Serial No. 383,794; Jan. 26. Class 23.
Williams, J. H., & Co., Buffalo, N. Y. Tongs and pipe vises. Serial No. 383,795; Jan. 26. Class 23.
Wuichet Products, Inc., Dayton, Ohio. Fertilizers. Serial No. 384,942; Jan. 26. Class 10.
Zoe Pharmacal Company. (See Albee, Lynn G.)

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Card System Company, Chicago, Ill. Cards for visible index or record equipment, desk diaries, etc. 342,738; Jan. 26; Serial No. 366,350; published Nov. 17, 1936. Class 37.
Alexander Drug Co., Oklahoma City, Okla., to Alexander Drug Co., Oklahoma City, Okla. Chemicals, medicines, and pharmaceutical preparations. 114,129; renewed Dec. 5, 1936.
Alward-Anderson-Southard Co., by change of name, to Red Head Brand Company, Chicago, Ill. Coats, trousers, vests, etc. 113,932; renewed Nov. 14, 1936.
Am-Bro Company, The, Lawton, Okla. Preparation for the relief of hay fever, asthma, and head colds. 342,697; Jan. 26; Serial No. 381,252; published Nov. 10, 1936. Class 6.
American Auto-Felt Corporation, Grand Rapids, Mich. Mattresses. 342,698; Jan. 26; Serial No. 383,562; published Nov. 17, 1936. Class 32.
American Distributors, Inc., Baltimore, Md. Whiskey. 342,661; Jan. 26; Serial No. 379,284; published Nov. 10, 1936. Class 49.
American Newspapers, Inc., New York, N. Y. Newspaper section. 342,751; Jan. 26; Serial No. 377,626; published Nov. 10, 1936. Class 38.
American Sand-Banum Co. Inc., New York, N. Y. Boiler scale compounds. 342,662; Jan. 26; Serial No. 378,968; published Nov. 10, 1936. Class 6.
American Tobacco Company, The. (See Gunst, M. A., & Co., Incorporated, assignor.)
Amplifex Co., The. (See Sharpnack, George.)
Antinoph, Jacob, doing business as Philadelphia Leather Goods Co., Philadelphia, Pa. Dress suit cases and handbags. 342,699; Jan. 26; Serial No. 383,155; published Nov. 17, 1936. Class 3.
Arizona Producer Publishing Company, Phoenix, Ariz. Periodical. 342,663; Jan. 26; Serial No. 382,613; published Nov. 10, 1936. Class 38.
Automotive Retailer Publishing Corporation, New York, N. Y. Periodical. 342,752; Jan. 26; Serial No. 377,733; published Nov. 10, 1936. Class 38.
Awad, John E., doing business as John E. Awad Chemical Co., Newark, N. J. Carroting composition for treating furs. 342,753; Jan. 26; Serial No. 382,654; published Nov. 10, 1936. Class 6.
Barbet & Fournier, Bordeaux, France. Rum. 342,700; Jan. 26; Serial No. 384,023; published Nov. 17, 1936. Class 49.
Barclay & Barclay, assignor to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Soaps. 115,578; renewed Feb. 27, 1937.
Barr, L. Stewart, Washington, D. C. Stamp collector's publications. 342,664; Jan. 26; Serial No. 382,374; published Nov. 10, 1936. Class 38.
Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. 342,754; Jan. 26; Serial No. 378,472; published Nov. 17, 1936. Class 17.
Bear Creek Vacuum Wine Company, Lodi, Calif. Wines. 342,701; Jan. 26; Serial No. 383,614; published Nov. 17, 1936. Class 47.
Bear Mill Manufacturing Co., Inc., New York, N. Y. Piece goods. 342,702; Jan. 26; Serial No. 383,116; published Nov. 17, 1936. Class 42.

Bell, Ralph, San Francisco, Calif. Chemical preparation. 342,665; Jan. 26; Serial No. 380,747; published Nov. 10, 1936. Class 6.

Bellows & Company, Inc., New York, N. Y. Whiskey. 342,703; Jan. 26; Serial No. 383,117; published Nov. 10, 1936. Class 49.

Berger Manufacturing Company, The, Canton, Ohio, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Expanded metal. 115,480; renewed Feb. 20, 1937.

Blakeslee Manufacturing Co., to Robert J. Forester, doing business as Blakeslee Pump Company, Du Quoin, Ill., successor. Steam pumps, jet and bilge pumps, and air compressors. 116,114; renewed Apr. 10, 1937.

Blanche's Tuf Aid. (See McQuiller, Blanche.)

Bleecker Company, The, Tempstead, N. Y. Cleaning fluids. 116,877; renewed June 5, 1937.

Boott Mills, Lowell, Mass. Cotton piece goods. 116,815; renewed May 29, 1937.

Brawley, T. R., assignor to T. R. Brawley Felt Company, Inc., Brooklyn, N. Y. Felt washers. 114,931; renewed Jan. 16, 1937.

Brix-Impexo Corporation, Chicago, Ill. Concentrate of fruit treated by a secret process. 342,755–7; Jan. 26; Serial Nos. 382,858–60; published Nov. 10, 1936. Class 6.

Brooke, Bond & Company, Limited, London, England. Tea. 342,666–7; Jan. 26; Serial Nos. 381,862–3; published Nov. 17, 1936. Class 46.

Brown & Bigelow, St. Paul, Minn. Novelties made of molded material. 342,739; Jan. 26; Serial No. 348,311; published July 28, 1936. Class 50.

Brown Instrument Company, The, Philadelphia, Pa. Pyrometers, tachometers, operation-recorders, etc. 116,398; renewed May 1, 1937.

Brownstein-Louis Company, Los Angeles, Calif. Shirts, pajamas, nightgowns, and underwear. 115,294; renewed Feb. 6, 1937.

Bruno, William A., New York, N. Y. Microphones. 342,704; Jan. 26; Serial No. 383,466; published Nov. 17, 1936. Class 21.

Burg, Geo. L., doing business as Imperial Manufacturing Company, St. Paul, Minn. Liquid wave set, wave set powder, hair oil, etc. 342,758; Jan. 26; Serial No. 363,037; published May 21, 1935. Class 6.

Carbone, A., & Company, Inc., Denver, Colo. Wines. 342,797; Jan. 26.

Chamberlin Metal Weather Strip Company, Detroit, Mich. Rock wool used as an insulation for buildings. 342,750; Jan. 26; Serial No. 382,821; published Nov. 10, 1936. Class 12.

Charles, Peter, Nail Polish Co., New York, N. Y. Finger nail preparation. 342,705; Jan. 26; Serial No. 381,121; published Nov. 10, 1936. Class 6.

Chemical Foundation, Incorporated, The. (See Farbwerke vorm. Meister Lucius & Brüning, assignor.)

Cherniak, M. B., Mfg. Co., Inc., New York, N. Y. Lighting fixtures. 342,760; Jan. 26; Serial No. 377,497; published Nov. 17, 1936. Class 34.

Cincinnati Rubber Manufacturing Co., The, Norwood, Ohio. Rubber belting, duck belting, rubber hose, etc. 116,746; renewed May 22, 1937.

Codman, F. L. & J. C., Company, Rockland, Mass. Buffing wheels. 342,798; Jan. 26. Class 4.

Coopers, Incorporated, Kenosha, Wis. Men's shorts. 342,706; Jan. 26; Serial No. 380,759; published Nov. 17, 1936. Class 39.

Cracker Jack Co., The. (See Rueckheim Bros. & Eckstein, assignors.)

Crane, Clarence A., Cleveland, to Bessie M. Crane, Chagrin Falls Village, Ohio, successor. Chocolate. 115,740; renewed Mar. 6, 1937.

Czachorski, Roman A., doing business as Ulco Laboratories, Flint, Mich. Preparation for the relief of acid stomach, heartburn, etc. 342,707; Jan. 26; Serial No. 383,353; published Nov. 10, 1936. Class 6.

Dickerson, Walker T., Company, The, Columbus, Ohio. Shoes. 342,761; Jan. 26; Serial No. 381,025; published Nov. 17, 1936. Class 39.

Douglas, W. L., Shoe Co., Montello, Brockton, Mass. Boots, shoes, and slippers. 342,668; Jan. 26; Serial No. 382,621; published Nov. 17, 1936. Class 39.

Du Pont, E. I., de Nemours and Company. (See Graselli Chemical Company, The, assignor.)

Eskimo Pie Corporation, Brooklyn, N. Y. Frozen confectionery. 342,762; Jan. 26; Serial No. 364,764; published Nov. 17, 1936. Class 46.

Espinosa R., F. M., Sucr. (See Rendon, Felix M. E.)

Everett Packing Co., assignor to Fishermen's Packing Corporation, Everett, Wash. Canned salmon. 114,341–2; renewed Dec. 12, 1936.

Everett Packing Co., assignor to Fishermen's Packing Corporation, Everett, Wash. Canned salmon. 114,343; renewed Dec. 12, 1936.

Excelsior Shoes, Inc., Portsmouth, Ohio. Women's shoes. 342,708; Jan. 26; Serial No. 383,298; published Nov. 17, 1936. Class 39.

Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, assignor, by mesne asignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Chemical compound having bactericide action. 115,747; renewed Mar. 6, 1937.

Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, asignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Chemical compound. 115,884; renewed Mar. 20, 1937.

Ferguson, Denver D., doing business as The Ferguson Manufacturing Company, Indianapolis, Ind. Printed tickets and coupons. 342,740; Jan. 26; Serial No. 379,739; published Nov. 10, 1936. Class 38.

Finch, Joseph S., and Company, New York, N. Y. Whiskey, gin, rum, etc. 342,669; Jan. 26; Serial No. 384,076; published Nov. 17, 1936. Class 49.

Firestone Tire & Rubber Company, The, Akron, Ohio. Adhesive cement. 342,709; Jan. 26; Serial No. 367,124; published Aug. 27, 1935. Class 5.

Fishermen's Packing Corporation. (See Everett Packing Co.)

Forester, Robert J. (See Blakeslee Manufacturing Co.)

Fort Dodge Bottling Works, Inc., Fort Dodge, Iowa. Beverages and sirups and extracts for making the same. 342,710; Jan. 26; Serial No. 383,306; published Nov. 17, 1936. Class 45.

Fourco Glass Company, Clarksburg, W. Va. Sheet glass, flat glass, window glass, etc. 342,670; Jan. 26; Serial No. 381,610; published Nov. 10, 1936. Class 33.

Gardner, Henry A., Washington, D. C. Paints, especially, shingle-paint. 116,757; renewed May 22, 1937.

Geigy Company, Inc., New York, N. Y. Chemicals adapted for tanning materials and chemical products suitable for tanning purposes. 342,763; Jan. 26; Serial No. 370,703; published Nov. 10, 1936. Class 6.

General Cable Corporation, New York, N. Y. Bare and insulated electrical wires and cables. 342,764; Jan. 26; Serial No. 377,681; published Nov. 3, 1936. Class 21.

General Mills, Inc., Minneapolis, Minn. Flour. 342,741; Jan. 26; Serial No. 379,929; published Nov. 17, 1936. Class 46.

General Mills, Inc., Minneapolis, Minn. Flour. 342,766; Jan. 26; Serial No. 379,930; published Nov. 17, 1936. Class 46.

Glaser Bros., San Francisco, Calif. Gin liquors. 342,767; Jan. 26; Serial No. 372,134; published Nov. 10, 1936. Class 49.

Glendale Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 342,711; Jan. 26; Serial No. 383,093; published Nov. 17, 1936. Class 42.

Glendale Shirt Co., Inc., New York, N. Y. Undershirts. 342,768; Jan. 26; Serial No. 380,765; published Nov. 17, 1936. Class 39.

Glidden Company, The. (See Wilhelm, A., Company, The, assignor.)

Golco Sanitary System, Inc., Philadelphia, Pa. Toilet paper. 342,769; Jan. 26; Serial No. 380,275; published Nov. 17, 1936. Class 37.

Goldman Costume Company, assignor to Betty Wales Inc., New York, N. Y. Dresses. 115,755; renewed Mar. 6, 1937.

Grant, Dana H., New York, N. Y., assignor to Jaska Limited, Leicester, England. Silk, woolen, linen, and cotton piece goods. 342,712; Jan. 26; Serial No. 383,308; published Nov. 17, 1936. Class 42.

Graselli Chemical Company, The, Cleveland, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Metal-pickling compounds and ingredients thereof. 115,180; renewed Jan. 30, 1937.

Gulf Oil Corporation of Pennsylvania, by change of name to Gulf Oil Corporation, Pittsburgh, Pa. Petroleum and its products. 342,770; Jan. 26; Serial No. 377,271; published Nov. 10, 1936. Class 15.

Gunst, M. A., & Co., Incorporated, Portland, Maine, and New York, N. Y., assignor, by mesne assignments, to The American Tobacco Company, New York, N. Y. Cigars. 115,608; renewed Feb. 27, 1937.

H & W Company, Inc., The, New York, N. Y. Brassières and corsets and combinations thereof. 342,713; Jan. 26; Serial No. 383,129; published Nov. 17, 1936. Class 39.

Hadley Company, The, Springfield, Mass. Radio receiving sets. 349,799; Jan. 26. Class 21.

Hamilton, Robert W., New York, N. Y. Cotton, rayon, and silk fabrics. 342,714; Jan. 26; Serial No. 383,094; published Nov. 17, 1936. Class 42.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Rennet preparations. 342,672; Jan. 26; Serial No. 378,561; published Aug. 25, 1936. Class 46.

Hause, Chas. F., Mfg. Co., Ltd., Los Angeles, Calif. Tank floats. 342,742; Jan. 26; Serial No. 366,562; published Nov. 17, 1936. Class 13.

Hazel-Atlas Glass Company, Wheeling, W. Va. Closures for receptacles. 342,673; Jan. 26; Serial No. 381,908; published Nov. 17, 1936. Class 50.

Hazeltine, Sherwin L., Springfield, Mo. Tablets for the treatment of la grippe and colds. 116,631; renewed May 15, 1937.

Hexin, Inc., Chicago, Ill. Tablets for relief of headache, colds, neuralgia, etc. 342,743; Jan. 26; Serial No. 365,251; published July 23, 1935. Class 6.

Horlick, Alexander, Milwaukee, Wis., assignor, by mesne assignments, to Horlick's Malted Milk Corporation, Racine, Wis. Bread, biscuits, crackers, etc. 115,965; renewed Mar. 27, 1937.

Imperial Manufacturing Company. (See Burg, Geo. L.)

India-Rubber, Gutta Percha & Telegraph Works Company Limited, The, London, England, assignor to John Wanamaker New York, New York, N. Y. Golf-balls. 116,220; renewed Apr. 17, 1937.

Iowana Farms Milk Co., Bettendorf, Iowa. Milk, ice cream, and dairy products. 342,674; Jan. 26; Serial No. 381,623; published Nov. 17, 1936. Class 46.

Jaska Limited. (See Grant, Dana H.)

Jero Products Co., Chicago, Ill. Non-alcoholic mixer. 342,744; Jan. 26; Serial No. 365,735; published Nov. 17, 1936. Class 45.

Jett & Wood, assignor to The Jett & Wood Mercantile Co., Wichita, Kans. Foods. 114,483; renewed Dec. 19, 1936.

Johns, H. W., Manville Co., assignor to Johns Manville Corporation, New York, N. Y. Covering of hair and canvas. 114,974; renewed Jan. 16, 1937.

Jud, Gus, Jamaica, N. Y. Newspaper comic strip. 342,771; Jan. 26; Serial No. 382,834; published Nov. 10, 1936. Class 38.

Kaplan, B., & Company, New York, N. Y. Woolen piece goods. 342,745; Jan. 26; Serial No. 381,566; published Nov. 17, 1936. Class 42.

Kendall Company, The, Walpole, Mass. Fibrous lining materials. 342,675; Jan. 26; Serial No. 375,512; published Nov. 17, 1936. Class 42.

Knight Slipper Mfg. Corp., New York, N. Y. Ladies' slippers. 342,676; Jan. 26; Serial No. 382,481; published Nov. 17, 1936. Class 39.

Koehring Machine Co., assignor to Koehring Company, Milwaukee, Wis. Concrete-mixers, concrete distributing machines, etc. 114,495; renewed Dec. 19, 1936.

Krank, A. J., Manufacturing Company, assignor to A. J. Krank Company, St. Paul, Minn. Beard-softener in paste form. 114,097; renewed Nov. 28, 1936.

Krause, Chas. A. Milling Co., Greenfield, Wis., to Chas. A. Krause Milling Co., Milwaukee, Wis. Stock feed. 116,325; renewed Apr. 24, 1937.

Krischer Trading Corp., New York, N. Y. Belts. 342,677; Jan. 26; Serial No. 382,482; published Nov. 17, 1936. Class 39.

Kuebler Brewing Company, Inc., Easton, Pa. Beer, ale, and porter. 342,772; Jan. 26; Serial No. 380,401; published Nov. 17, 1936. Class 48.

Lamber, Marion L. J., doing business as Lamber Bottling Equipment Co., St. Louis, Mo. Beverages. 342,773; Jan. 26; Serial No. 378,211; published Nov. 17, 1936. Class 45.

Lanman & Kemp-Barclay & Co., Incorporated. (See Barclay & Barclay, assignor.)

Lax & Burgheimer Inc., assignor to Lax & Burgheimer Corporation, New York, N. Y. Knitted underwear. 114,894; renewed Jan. 9, 1937.

Lewis, Addison, Minneapolis, Minn. Envelopes. 342,715; Jan. 26; Serial No. 383,473; published Nov. 17, 1936. Class 37.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Skirts, waists, suits, rompers, etc. 342,774; Jan. 26; Serial No. 373,697; published Nov. 17, 1936. Class 39.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Skirts, waists, suits, etc. 342,775; Jan. 26; Serial No. 373,738; published Nov. 17, 1936. Class 39.

M-B-S Chemical Company. (See Murphy, Boise R., assignor.)

Macy, R. H., & Co., Inc., New York, N. Y. Women's hats. 342,716; Jan. 26; Serial No. 381,039; published Nov. 17, 1936. Class 39.

Maiden Fair Co. (See Weinberg, Abe.)

Mallinson, H. R., & Co., assignor, by mesne assignments, to Mallinson Fabrics Corporation, New York, N. Y. Silk and crepe piece goods. 116,073; renewed Apr. 3, 1937.

Mallinson, H. R., & Co., assignor, by mesne assignments, to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 116,149; renewed Apr. 10, 1937.

Marshall Field & Company, Chicago, Ill. Dresses, coats, sweaters, etc. 342,678; Jan. 26; Serial No. 381,979; published Nov. 17, 1936. Class 39.

Mayer, Max, doing business as R. J. Mayer Shoe Company, Marblehead, Mass. Ski-boots, and cleated football, baseball, and track shoes. 342,679; Jan. 26; Serial No. 379,006; published Nov. 17, 1936. Class 39.

McQuiller, Blanche, doing business as Blanche's Tuf Aid, Chicago, Ill. Preparation for toughening fabrics. 342,680; Jan. 26; Serial No. 382,435; published Nov. 10, 1936. Class 6.

Merit Dental Products, Inc., New York, N. Y. Dental mirrors. 342,681; Jan. 26; Serial No. 382,601; published Nov. 17, 1936. Class 44.

Milberg & Milberg, New York, N. Y. Ladies' underwear. 342,776; Jan. 26; Serial No. 382,924; published Nov. 17, 1936. Class 39.

Model Shoe Company, Cincinnati and Norwood, Ohio. Shoes. 342,800; Jan. 26. Class 39.

Morgan's, Enoch, Sons Company, New York, N. Y. Detergent preparation. 116,151; renewed Apr. 10, 1937.

Morgan's, Enoch, Sons Company, New York, N. Y. Cleansing or scouring cake or powder. 116,540; renewed May 8, 1937.

Morris & Company, assignor to Morris & Company, Inc., Baltimore, Md. Clothing. 114,808; renewed Jan. 2, 1937.

Murphy, Boise R., Meade, Kans., assignor to M-B-S Chemical Company, Pratt, Kans. Meat and fish preserver. 114,525; renewed Dec. 19, 1936.

National Automotive Parts Association, Detroit, Mich. Valves for internal combustion engines. 342,801; Jan. 26. Class 23.

National Distillers Products Corporation, New York, N. Y. Whiskey. 342,717; Jan. 26; Serial No. 384,045; published Nov. 17, 1936. Class 49.

Novadel-Agene Corporation, Belleville, N. J. Beer cooling apparatus. 342,802; Jan. 26. Class 31.

Nowak Milling Corporation, Hammond, Ind. Solution for spraying live stock. 342,682; Jan. 26; Serial No. 383,030; published Nov. 10, 1936. Class 6.

Oskamp Nolting Company, The, Cincinnati, Ohio. Periodical. 342,718; Jan. 26; Serial No. 383,101; published Nov. 10, 1936. Class 38.

Paper Novelty Manufacturing Company, New York, N. Y. Cellulose film strips for Christmas tree decoration. 342,683; Jan. 26; Serial No. 375,556; published June 16, 1936. Class 50.

Pearce & Friedman, Inc., New York, N. Y. Real leather. 342,684; Jan. 26; Serial No. 376,541; published July 7, 1936. Class 1.

Peat Import Corporation, New York, N. Y. Peat moss. 342,777; Jan. 26; Serial No. 382,928; published Nov. 17, 1936. Class 1.

Peerless Tailored Dresses, New York, N. Y. Woolen cloth. 342,746; Jan. 26; Serial No. 381,591; published Nov. 17, 1936. Class 42.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton piece goods. 342,719; Jan. 26; Serial No. 383,137; published Nov. 17, 1936. Class 42.

Peterseil & Delmont, Revere Beach, Mass. Beverages. 342,685; Jan. 26; Serial No. 381,689; published Nov. 17, 1936. Class 45.

Philadelphia Leather-Goods Co. (See Antinoph, Jacob.)

Pierce Fordyce Oil Association, Dallas, Tex., assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y. Mineral wax. 116,681; renewed May 15, 1937.

Pomeranz, Edward, San Clemente, Calif. Containers for frozen liquid. 342,720; Jan. 26; Serial No. 383,406; published Nov. 17, 1936. Class 44.

Proctor, Maurice E., doing business as Proctors Products Co., New Haven, Conn. Dental cream. 342,721; Jan. 26; Serial No. 383,784; published Nov. 10, 1936. Class 4.

Protection Products Manufacturing Company, Kalamazoo and Detroit, Mich. Chemical solution. 342,722; Jan. 26; Serial No. 381,218; published Nov. 19, 1936. Class 6.

Quigley Publishing Company, Inc., New York, N. Y. Magazine. 342,778; Jan. 26; Serial No. 382,766; published Nov. 10, 1936. Class 38.

Records and Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 342,686; Jan. 26; Serial No. 375,521; published Nov. 10, 1936. Class 49.

Red Head Brand Company. (See Alward-Anderson-Southard Co.)

Remington Typewriter Company, Ilion and New York, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y. Carbon-paper and type-writer ribbons. 114,181; renewed Dec. 5, 1936.

Rendon, Felix M. E., Laredo, Tex., to Natalia Sevilla de Espinosa Rendon, doing business as F. M. Espinosa R., Sucr., Mexico, D. F., Mexico, successor. Hair-dye. 112,068; renewed Aug. 22, 1916.

Republic Steel Corporation. (See Berger Manufacturing Company, The, assignor.)

Robertson, John, & Son Limited, Dundee, Scotland. Scotch whiskey. 342,723; Jan. 26; Serial No. 383,942; published Nov. 10, 1936. Class 49.

Rose, Henry, Stores, Inc., New York, N. Y. Hats for women. 342,724; Jan. 26; Serial No. 383,483; published Nov. 17, 1936. Class 39.

Rose, Henry, Stores, Inc., New York, N. Y. Hats for children. 342,725; Jan. 26; Serial No. 383,484; published Nov. 17, 1936. Class 39.

Rueckheim Bros. & Eckstein, assignor to The Cracker Jack Co., Chicago, Ill. Chewing-gum or candied chewing-gum. 115,107; renewed Jan. 23, 1937.

"Salada" Tea Company Incorporated, The, Portland, Maine, and Boston, Mass., to Salada Tea Company, Inc., Boston, Mass. Tea. 116,587; renewed May 8, 1937.

Sansby Brothers, to Harry Sansby, doing business as Sansby Brothers, St. Paul, Minn., successor. Medicinal compound. 103,399; renewed Mar. 30, 1935.

Saprochi S. A., Geneva, Switzerland. Magnesia. 342,747; Jan. 26; Serial No. 379,766; published Nov. 10, 1936. Class 6.

Schorr-Kolkschneider Brewing Company, The, St. Louis, Mo. Beer and other malt beverages. 342,726; Jan. 26; Serial No. 383,230; published Nov. 17, 1936. Class 48.

Seaborne, Charles R., Appleton, Wis. Beaters for paper stock. 342,727; Jan. 26; Serial No. 383,690; published Nov. 17, 1936. Class 23.

Seaman, Jean, Glendale, Calif. Avocado cookies. 342,728; Jan. 26; Serial No. 381,146; published Nov. 17, 1936. Class 46.

Sedlmayr, Gabriel u. Jos., Spaten-Franziskaner-Leistbräu A.-G. München, Munich, Germany. Beer, porter, ale, etc. 342,671; Jan. 26; Serial No. 380,463; published Nov. 17, 1936. Class 48.

Sharpnack, George, doing business as The Amplifex Co., Lincoln, Nebr. Sound equipment. 342,729; Jan. 26; Serial No. 383,706; published Nov. 17, 1936. Class 21.

Sheuerman Bros., Des Moines, Iowa. Ladies' skirts, mackinaw coats, dresses, etc. 114,292; renewed Dec. 5, 1936.

Siegel Bros. Kiki Maid Coats Inc., New York, N. Y. Piece goods. 342,687; Jan. 26; Serial No. 380,797; published Nov. 17, 1936. Class 42.

Sinclair Refining Company. (See Pierce Fordyce Oil Association, assignor.)
Sinclair Refining Company, New York, N. Y. Turbine lubricating oil. 342,688; Jan. 26; Serial No. 380,675; published Nov. 10, 1936. Class 15.
Société Générale des Ciments Portland de l'Escaut, Société Anonyme, Autoing, near Tournai, Belgium. Portland cement. 342,748; Jan. 26; Serial No. 381,325; published Nov. 10, 1936. Class 12.
Specialty Products Company, Jersey City, N. J. Lubricating oils. 342,779; Jan. 26; Serial No. 383,074; published Nov. 10, 1936. Class 15.
Specialty Products Company, Jersey City, N. J. Lubricating oils for cutting tools. 342,780; Jan. 26; Serial No. 383,076; published Nov. 10, 1936. Class 15.
Sportowne Coat Co., Inc., New York, N. Y. Coats and suits. 342,730; Jan. 26; Serial No. 383,373; published Nov. 17, 1936. Class 39.
Stone, Porter E., Detroit, Mich. Automobile rear view mirrors. 342,749; Jan. 26; Serial No. 381,431; published Nov. 17, 1936. Class 19.
Superior Phosphate Company, Dunnellon, Fla. Colloidal phosphatic clay. 342,781; Jan. 26; Serial No. 376,925; published July 21, 1936. Class 1.
Syndicate Store Merchandiser, Inc., The, Newark, N. J., and New York, N. Y. Periodical. 342,782; Jan. 26; Serial No. 383,077; published Nov. 10, 1936. Class 38.
Tannenbaum, S., Chicago, Ill. Pearl barleys, brown buckwheat, buckwheat flour, etc. 342,783; Jan. 26; Serial No. 377,558; published Nov. 17, 1936. Class 46.
Tea and Coffee Trade Journal Co., The, New York, N. Y. Periodical. 342,784; Jan. 26; Serial No. 382,965; published Nov. 10, 1936. Class 38.
Terry, Sam, doing business as Valley of the Moon Fruit Juice Co., Oakland, Calif. Beverage and syrup and extracts in making same. 342,785; Jan. 26; Serial No. 368,636; published Nov. 17, 1936. Class 45.
Thilmany Pulp & Paper Company, Kaukauna, Wis. Sulphite paper. 342,786; Jan. 26; Serial No. 370,068; published Nov. 17, 1936. Class 37.
Three G Distillery Corp., Burbank, Calif. Whiskey. 342,731; Jan. 26; Serial Nov. 384,064; published Nov. 17, 1936. Class 49.
Todd Combustion Equipment, Inc., Brooklyn, N. Y. Oil burners and air registers. 342,787; Jan. 26; Serial No. 377,132; published Nov. 17, 1936. Class 34.
Torch Frocks, Inc., New York, N. Y. Dresses, cloaks, and suits. 342,788; Jan. 26; Serial No. 382,967; published Nov. 17, 1936. Class 39.
Trabulsi Textile Co. Inc., New York, N. Y. Mufflers and scarfs. 342,732; Jan. 26; Serial No. 383,375; published Nov. 17, 1936. Class 39.
Trees, C. E., & Co. Inc., Indianapolis, Ind. Beverage, sirup and extract for making the same. 342,789; Jan. 26; Serial No. 383,041; published Nov. 17, 1936. Class 45.
Trussell Manufacturing Company, Poughkeepsie, N. Y. Book binding wires. 342,968; Jan. 26; Serial No. 379,720; published Nov. 17, 1936. Class 13.
U. V. R. Laboratories, Inc., New York, N. Y. Therapeutic electric lamps. 342,790; Jan. 26; Serial No. 376,783; published Nov. 17, 1936. Class 44.
Ulco Laboratories. (See Czachorski, Roman A.)
United American Bosch Corporation, Springfield, Mass. Hot water heaters employing gas. 342,803; Jan. 26. Class 34.
United Drug Company, assignor to United Drug Company, Boston, Mass. Rubber goods. 115,418; renewed Feb. 6, 1937.
United States Register Company, Battle Creek, Mich. Warm air registers. 342,733; Jan. 26; Serial No. 381,293; published Nov. 17, 1936. Class 34.
United States Truck Company, Inc., Fall River, Mass. Trunks, suit cases, and pullman cases. 342,734; Jan. 26; Serial No. 383,190; published Nov. 17, 1936. Class 3.
United Woolen Company, The, Columbus, Ohio. Suits, top coats, and overcoats. 342,791; Jan. 26; Serial No. 383,043; published Nov. 17, 1936. Class 39.
University Chemical Co., to Alfred N. Van Dyke, doing business as University Chemical Co., Philadelphia, Pa. Tooth-powder. 116,479; renewed May 1, 1937.
Utz, William D., Hanover, Pa. Potato chips. 342,792; Jan. 26; Serial No. 363,953; published Nov. 17, 1936. Class 46.
Valley of the Moon Fruit Juice Co. (See Terry, Sam.)
Van Dyke, Alfred N. (See University Chemical Co.)
Vanity Corset Company, Inc., New York, N. Y. Corsets, brassières, bandeaux, etc. 342,690; Jan. 26; Serial No. 382,454; published Nov. 17, 1936. Class 39.
Viviano, V., & Bros., Macaroni Mfg. Co., Inc., St. Louis, Mo. Alimentary pastes. 342,691; Jan. 26; Serial No. 382,539; published Nov. 17, 1936. Class 46.
Voorhis-Tiebaut Company, Inc., Rhinebeck, N. Y. Wall soap pulverizer and dispenser. 342,750; Jan. 26; Serial No. 381,594; published Nov. 17, 1936. Class 13.
Wales, Betty, Inc. (See Goldman Costume Company, assignor.)
Wanamaker, John, New York. (See India-Rubber, Gutta Percha & Telegraph Works Company Limited, The, assignor.)
Washington Wholesale Liquor Corporation, Washington, D. C. Whiskey. 342,735–6; Jan. 26; Serial Nos. 383,967–8; published Nov. 17, 1936. Class 49.
Wayne Oil Burner Corporation, Fort Wayne, Ind. Oil burners. 342,692; Jan. 26; Serial No. 375,280; published Nov. 17, 1936. Class 34.
Weil Corset Company, The, New Haven, Conn. Abdominal surgical health-belts. 116,725; renewed May 15, 1937.
Weinberg, Abe, doing business as Maiden Fair Co., Allentown, Pa. Underwear. 342,737; Jan. 26; Serial No. 383,112; published Nov. 17, 1936. Class 39.
West Virginia Pulp & Paper Company, New York, N. Y. Coated lithographic paper. 116,487; renewed May 1, 1937.
Wile, Julius, Sons & Co., Inc., New York, N. Y. Sherry. 342,793; Jan. 26; Serial No. 378,105; published Nov. 17, 1936. Class 47.
Wilhelm, A., Company, The, Reading, Pa., assignor to The Glidden Company, Cleveland, Ohio. Construction materials. 114,604–5; renewed Dec. 19, 1936.
Wilhelm, A., Company, The, Reading, Pa., assignor to The Glidden Company, Cleveland, Ohio. Paints and painters' materials. 116,730; renewed May 15, 1937.
Wilhelm, A., Company, The, Reading, Pa., assignor to The Glidden Company, Cleveland, Ohio. Paints and painters' supplies. 116,811; renewed May 22, 1937.
Willheim, William, Company, Inc., New York, N. Y. Silk, cotton, and rayon piece goods, and combinations thereof. 342,693–4; Jan. 26; Serial Nos. 382,496–7; published Nov. 17, 1936. Class 42.
Willheim, William, Company, Inc., New York, N. Y. Silk, cotton, and rayon piece goods, and combinations thereof. 342,794; Jan. 26; Serial No. 382,691; published Nov. 17, 1936. Class 42.
Willheim, William, Company, Inc., New York, N. Y. Silk, cotton, and rayon piece goods, and combinations thereof. 342,795; Jan. 26; Serial No. 382,693; published Nov. 17, 1936. Class 42.
Willheim, William, Company, Inc., New York, N. Y. Silk, cotton, and rayon piece goods, and combinations thereof. 342,796; Jan. 26; Serial No. 382,695; published Nov. 17, 1936. Class 42.
Willheim, William, Company, Inc., New York, N. Y. Silk, cotton, and rayon piece goods. 342,695–6; Jan. 26; Serial Nos. 382,500–01; published Nov. 17, 1936. Class 42.
Willoughby, George V., Seattle, Wash. Solution to be applied to fabrics preparatory to pressing. 342,804; Jan. 26. Class 6.
Woromba Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 116,493; renewed May 1, 1937.

LIST OF REGISTRANTS OF LABELS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Salted Nuts. For Salted Nuts. 48,735; Jan. 26.
Baxter, H. C., & Bro., Brunswick, Maine. Lilac. For Canned Corn. 48,736; Jan. 26.
Baxter, H. C., & Bro., Brunswick, Maine. Lilac. For Canned Baked Beans with Pork. 48,737; Jan. 26.
Brach, E. J., & Sons, Chicago, Ill. Old "Doc" Brox Horehound Drops. For Candy Horehound Drops. 48,738; Jan. 26.
Bruckmann Company, The, Cincinnati, Ohio. Big Ben. For Ale. 48,739; Jan. 26.
Brunswick Record Corporation, New York, N. Y. Melotone. For Full Range Recordings. 48,740; Jan. 26.
Cameo Fabrics, New York, N. Y. Cameo Crepe. For Crepe Fabric. 48,741; Jan. 26.
Clayton, A. C., Printing Company, St. Louis, Mo. Robinson Shoe Co. Fine Shoes and Hosiery. For Hosiery. 48,742; Jan. 26.
Clearwater Growers Assn., Clearwater, Fla. Corral. For Fresh Citrus Fruits. 48,743; Jan. 26.
Continental Radio Foundation, Inc., doing business as Continental Radio Foundation, Seattle, Wash. Plenty for All. For Coffee. 48,744; Jan. 26.
Ellison, Mamie, Pittsburgh, Pa. Ellison. For a Preparation for Treating Corns, Callouses, and Bunions. 48,745; Jan. 26.
Fehr, Frank, Brewing Co., Incorporated, Louisville, Ky. Fehr's Mello Ale. For Ale. 48,746; Jan. 26.
Frantz, Charton C., Pittsburgh, Pa. Frantz Selected Bakers. For Bakery Products. 48,747; Jan. 26.
General Baking Company, New York, N. Y. Fresh Super-Fine Bread. For Bread. 48,749; Jan. 26.
General Baking Company, New York, N. Y. Bond Bread—Guaranteed Fresh. For Bread. 48,750; Jan. 26.
General Mills, Inc., Minneapolis, Minn. Gold Medal Dog Food. For Dog Food. 48,751; Jan. 26.
General Mills, Inc., Minneapolis, Minn. Bisquick. For Biscuit Flour. 48,752–7; Jan. 26.
Grocers Service Corporation, Chicago, Ill. Table Hints. For Canned Salmon. 48,748; Jan. 26.
Grocers Service Corporation, Chicago, Ill. Table Hints. For Canned Tomatoes. 48,758; Jan. 26.
Grocers Service Corporation, Chicago, Ill. Table Hints. For Canned Cherries. 48,759; Jan. 26.
Grocers Service Corporation, Chicago, Ill. Table Hints. For Canned Peas. 48,760; Jan. 26.
Grocers Service Corporation, Chicago, Ill. Table Hints. For Canned Peaches. 48,761; Jan. 26.
Grocers Service Corporation, Chicago, Ill. Table Hints. For Pears. 48,762; Jan. 26.
Hamer, Edna, doing business as The Hamer Individual Puff Co., Murdo, S. Dak. Hamer Individual Puffs. For Powder Puffs. 48,763; Jan. 26.
Harris, Lottie, doing business as Mme. Wise, Corona, N. Y. Mme. Wise Wonder Hair Grower. For Hair Grower. 48,764; Jan. 26.
Hart Drug Corporation, Miami, Fla. Morrhu-Comp. For Unguentum. 48,765–6; Jan. 26.
Health Home Remedies Corp., Norfolk, Va. Ipsab for Bleeding Gums. For a Liquid for Treating Bleeding Gums. 48,767; Jan. 26.
Heller, R. C., Company, Inc., Baltimore, Md. Dreamland. For Mattresses. 48,768; Jan. 26.
Heller, R. C., Company, Inc., Baltimore, Md. Sleep-Good. For Mattresses. 48,769; Jan. 26.
Heller, R. C., Company, Inc., Baltimore, Md. Restrite. For Mattresses. 48,770; Jan. 26.
James, Edward C., Houston, Tex. Leisure Lady. For Prepared Wax. 48,771; Jan. 26.
Kala-Klean Chemical Company. (See McNair, Patti R.)
La Yebana Company, Inc., Sampaloc, Manila, P. I. Las Palmas. For Cigars. 48,772; Jan. 26.
La Yebana Company, Inc., Sampaloc, Manila, P. I. La Yebana. For Cigars. 48,773; Jan. 26.
Manco Breads, Inc., Brooklyn, N. Y. Manischewitz Parve. For Bread. 48,774; Jan. 26.

Maxwell Brothers, Pamplin, Va. Wild honey. For Honey. 48,775; Jan. 26.
McNair, Patti R., doing business as Kala-Klean Chemical Company, Kalamazoo, Mich. Kala-Klean. For a Liquid Cleaning Compound. 48,776; Jan. 26.
Midwest Slipper Mfg. Co., Chicago, Ill. Comfortable Sheepskin Moccasins. For Sheepskin Moccasins. 48,777; Jan. 26.
Nalley's, Inc., Tacoma, Wash. Tang. For Dressing for Salads, Fish, Oysters, Crabs, Cold Meats and Sausages. 48,778; Jan. 26.
Publicker Commercial Alcohol Company, Philadelphia, Pa. Pharmco. For Grain Alcohol. 48,779; Jan. 26.
Quality Bakers of America, New York, N. Y. Energize—Bread is a Go Food. For Bread. 48,780; Jan. 26.
Red Cedar Shingle Bureau, Seattle, Wash. Certigrade Red Cedar Shingles No. 1 Grade. For Red Cedar Shingles. 48,781; Jan. 26.
Red Cedar Shingle Bureau, Seattle, Wash. Certigrade Red Cedar Shingles No. 2 Grade. For Red Cedar Shingles. 48,782; Jan. 26.
Red Cedar Shingle Bureau, Seattle, Wash. Certigrade Red Cedar Shingles No. 3 Grade. For Red Cedar Shingles. 48,783; Jan. 26.
San Antonio Portland Cement Company, San Antonio, Tex. San Antonio Portland Cement Co. Red Bag Alamo. For Portland Cement. 48,784; Jan. 26.
Skinner Manufacturing Company, Omaha, Nebr. Skinner's Shell Macaroni. For Shell Macaroni. 48,785; Jan. 26.
Skinner Manufacturing Company, Omaha, Nebr. Mrs. Skinner's Pure Egg Noodles. For Pure Egg Noodles. 48,786; Jan. 26.
Sutherland Paper Company, Kalamazoo, Mich. Manning Pasteurized Creamery Butter No. 607 O–S. For Butter. 48,787; Jan. 26.
Treasure Chest Publications Inc., Newark, N. J. Treasure Chest of Picture Magic. For Color and Cut-Out Sets. 48,788; Jan. 26.
Wise, Mme. (See Harris, Lottie.)

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Kind Gent. Wanted. For Confectionery. 16,008; Jan. 26.
Awful Fresh MacFarlane, Oakland and San Fracisco, Calif. Pine Nuts 29¢ Lb. For Confectionery and Nuts. 16,009; Jan. 26.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Nuts 2U. For Confectionery and Nuts. 16,010; Jan. 26.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Pine Nuts 29¢ Lb. For Confectionery and Nuts. 16,011; Jan. 26.
Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Room Charm at Small Cost—By Recipe! For Carpets and Rugs. 16,012; Jan. 26.
Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Tough as a Hippo's Hide. For Felt Base Rugs. 16,013; Jan. 26.
Children's House, The. (See Wheeler, Ruth S.)
Gallord, Thomas, & Reynolds, Inc., New York, N. Y. The Heart of the Hide Shoes. For Shoes. 16,014; Jan. 26.
General Mills, Inc., Minneapolis, Minn. Now . . . Perfect Bakings Always! For Flour. 16,015; Jan. 26.
Justin, H. J., & Sons, Incorporated, doing business as H. J. Justin & Sons, Fort Worth, Tex. The Justin Shoe. For Shoes. 16,016; Jan. 26.
Lome, Philip, Chicago, Ill. Traveller. For Handbag. 16,017; Jan. 26.
Musebeck Shoe Company, Danville, Ill. Why Your Feet Should Be Supported Directly Under the Center of Body Weight, What Happens When Your Feet Are Not Supported Directly Under the Center of Body Weight. For Shoes. 16,018; Jan. 26.
Old Town Woolen Company, Inc., Old Town, Me. Wangan Camp to the Woodsman Department Store to You. For Woolen Cloth and Woolen Sports Apparel. 16,019; Jan. 26.
Rosenberg, Morris, Los Angeles, Calif. Nuts to U. For Shelled Nuts. 16,020; Jan. 26.
Texas Distributing Co., The, Cleveland, Ohio. 31 Point Fall Driving Check-Up. For an Automobile Lubricant. 16,021; Jan. 26.
Texas Distributing Co., The, Cleveland, Ohio. 31 Point Fall Driving Check-Up. For Automobile Fans, Hot Water Heaters, Radios, Tires, and Wiper Blades. 16,022; Jan. 26.
Wheeler, Ruth Stuart, doing business as The Children's House, Boston, Mass. Clothes to Grow In. For Children's Clothes. 16,023; Jan. 26.
Whitmore Manufacturing Company, The, Cleveland, Ohio. Best. For Pressure-Proof Lubricants. 16,024; Jan. 26.
Whitmore Manufacturing Company, The, Cleveland, Ohio. Originator. For Pressure-Proof Lubricants. 16,025; Jan. 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay, Colloidal phosphatic. Superior Phosphate Company. 342,781; Jan. 26; Serial No. 376,925; published July 21, 1936.
Leather, Real. Pearce & Friedman, Inc. 342,684; Jan. 26; Serial No. 376,541; published July 7, 1936.
Peat moss. Peat Import Corporation. 342,777; Jan. 26; Serial No. 382,928; published Nov. 17, 1936.

CLASS 3

Suit cases and handbags, Dress. J. Antinoph. 342,699; Jan. 26; Serial No. 383,155; published Nov. 17, 1936.
Trunks, suit cases, and Pullman cases. United States Trunk Company. 342,734; Jan. 26; Serial No. 383,190; published Nov. 17, 1936.

CLASS 4

Beard-softener in paste form. A. J. Krank Manufacturing Company. 114,097; renewed Nov. 28, 1936.
Buffing wheels. F. L. & J. C. Codman Company. 342,798; Jan. 26.
Cleaning fluids. Bleecker Company. 116,877; renewed June 5, 1937.
Cleansing or scouring cake or powder. Enoch Morgan's Sons Company. 116,540; renewed May 8, 1937.
Detergent preparation. Enoch Morgan's Sons Company. 116,151; renewed Apr. 10, 1937.
Soaps. Barclay & Barclay. 115,578; renewed Feb. 27, 1937.

CLASS 5

Cement, Adhesive. Firestone Tire & Rubber Company. 342,709; Jan. 26; Serial No. 367,124; published Aug. 27, 1935.

CLASS 6

Boiler scale compounds. American Sand-Banum Co. Inc. 342,662; Jan. 26; Serial No. 378,908; published Nov. 10, 1936.
Carroting composition for treating furs. J. E. Awad. 342,753; Jan. 26; Serial No. 382,654; published Nov. 10, 1936.
Chemical compound. Farbwerke vorm. Meister Lucius & Brüning. 115,884; renewed Mar. 20, 1937.

Chemical compound having bactericide action. Farbwerke vorm. Meister Lucius & Brüning. 115,747; renewed Mar. 6, 1937.
Chemical preparation. R. Bell. 342,665; Jan. 26; Serial No. 380,747; published Nov. 10, 1936.
Chemical solution. Protection Products Manufacturing Company. 342,722; Jan. 26; Serial No. 381,218; published Nov. 10, 1936.
Chemicals adapted for tanning materials and chemical products suitable for tanning purposes. Geigy Company. 342,763; Jan. 26; Serial No. 370,703; published Nov. 10, 1936.
Chemicals, medicines, and pharmaceutical preparations. Alexander Drug Co. 114,129; renewed Dec. 5, 1936.
Concentrate of fruit treated by a secret process. Brix-Impexo Corporation. 342,755–7; Jan. 26; Serial No. 382,858–60; published Nov. 10, 1936.
Cream, Dental. M. E. Proctor. 342,721; Jan. 26; Serial No. 383,734; published Nov. 10, 1936.
Hair-dye. F. M. E. Rendon. 112,068; renewed Aug. 22, 1936.
Liquid wave set, wave set powder, hair oil, etc. G. L. Burg. 342,758; Jan. 26; Serial No. 363,037; published May 21, 1935.
Magnesia. Saprochi S. A. 342,747; Jan. 26; Serial No. 379,766; published Nov. 10, 1936.
Medicinal compound. Sansby Brothers. 103,399; renewed Mar. 30, 1935.
Metal-pickling compounds and ingredients thereof. Graselli Chemical Company. 115,180; renewed Jan. 30, 1937.
Nail preparation, Finger. Peter Charles Nail Polish Co. 342,705; Jan. 26; Serial No. 381,121; published Nov. 10, 1936.
Preparation for the relief of acid stomach, heartburn, etc. R. A. Czachorski. 342,707; Jan. 26; Serial No. 383,353; published Nov. 10, 1936.
Preparation for the relief of hay fever, asthma, and head colds. Am-Bro Company. 342,697; Jan. 26; Serial No. 381,252; published Nov. 10, 1936.
Preparation for toughening fabrics. B. McQuiller. 342,680; Jan. 26; Serial No. 382,435; published Nov. 10, 1936.
Preserver, Meat and fish. B. R. Murphy. 114,525; renewed Dec. 19, 1936.
Solution for spraying live stock. Nowak Milling Corporation. 342,682; Jan. 26; Serial No. 383,030; published Nov. 10, 1936.
Solution to be applied to fabrics preparatory to pressing. G. V. Willoughby. 342,804; Jan. 26.
Tablets for relief of headache, colds, neuralgia, etc. Hexin, Inc. 342,743; Jan. 26; Serial No. 365,251; published July 23, 1935.
Tablets for the treatment of la grippe and colds. S. L. Hazeltine. 116,631; renewed May 15, 1937.
Tooth-powder. University Chemical Co. 116,479; renewed May 1, 1937.

CLASS 11

Carbon-paper and type-writer ribbons. Remington Typewriter Company. 114,181; renewed Dec. 5, 1936.

CLASS 12

Cement, Portland. Société Générale des Ciments Portland de l'Escaut, Société Anonyme. 342,748; Jan. 26; Serial No. 381,325; published Nov. 10, 1936.
Construction materials. A. Wilhelm Company. 114,604–5; renewed Dec. 19, 1936.
Covering of hair and canvas. H. W. Johns-Manville Co. 114,974; renewed Jan. 16, 1937.
Metal, Expanded. Berger Manufacturing Company. 115,480; renewed Feb. 20, 1937.
Rock wool used as an insulation for buildings. Chamberlin Metal Weather Strip Company. 342,759; Jan. 26; Serial No. 382,821; published Nov. 10, 1936.

CLASS 13

Pulverizer and dispenser, Wall soap. Voorhis-Tiebout Company. 342,750; Jan. 26; Serial No. 381,594; published Nov. 17, 1936.
Tank floats. Chas. F. Hause Mfg. Co. 342,742; Jan. 26; Serial No. 366,562; published Nov. 17, 1936.
Wire, Book binding. Trussell Manufacturing Company. 342,689; Jan. 26; Serial No. 379,720; published Nov. 17, 1936.

CLASS 15

Oil, Turbine lubricating. Sinclair Refining Company. 342,688; Jan. 26; Serial No. 380,675; published Nov. 10, 1936.
Oils for cutting tools, Lubricating. Specialty Products Company. 342,780; Jan. 26; Serial No. 383,076; published Nov. 10, 1936.
Oils, Lubricating. Specialty Products Company. 342,779; Jan. 26; Serial No. 383,074; published Nov. 10, 1936.
Petroleum and its products. Gulf Oil Corporation of Pennsylvania. 342,770; Jan. 26; Serial No. 377,271; published Nov. 10, 1936.
Wax, Mineral. Pierce Fordyce Oil Association. 116,681; renewed May 15, 1937.

CLASS 16

Paints and painters' materials. A. Wilhelm Company. 116,730; renewed May 15, 1937.
Paints and painters' supplies. A. Wilhelm Company. 116,811; renewed May 22, 1937.
Paints, especially, shingle-paint. H. A. Gardner. 116,757; renewed May 22, 1937.

CLASS 17

Cigars. Bayuk Cigars Incorporated. 342,754; Jan. 26; Serial No. 378,472; published Nov. 17, 1936.
Cigars. M. A. Gunst & Co. 115,608; renewed Feb. 17, 1937.

CLASS 19

Automobile rear view mirrors. P. E. Stone. 342,749; Jan. 26; Serial No. 381,431; published Nov. 17, 1936.

CLASS 21

Electrical wires and cables, Bare and insulated. General Cable Corporation. 342,764; Jan. 26; Serial No. 377,681; published Nov. 3, 1936.
Microphones. W. A. Bruno. 342,704; Jan. 26; Serial No. 383,466; published Nov. 17, 1936.
Radio receiving sets. Hadley Company. 342,799; Jan. 26.
Sound equipment. G. Sharpnack. 342,729; Jan. 26; Serial No. 383,706; published Nov. 17, 1936.

CLASS 22

Golf-balls. India-Rubber, Gutta Percha & Telegraph Works Company Limited. 116,220; renewed Apr. 17, 1937.

CLASS 23

Beaters for paper stock. C. R. Seaborne. 342,727; Jan. 26; Serial No. 383,690; published Nov. 17, 1936.
Concrete-mixers, concrete-distributing machines, etc. Koehring Machine Co. 114,495; renewed Dec. 19, 1936.
Pumps, jet and bilge pumps, and air-compressors, Steam. Blakeslee Manufacturing Co. 116,114; renewed Apr. 10, 1937.
Valves for internal combustion engine. National Automotive Parts Association. 342,801; Jan. 26.

CLASS 26

Pyrometers, tachometers, operation-recorders, etc. Brown Instrument Company. 116,398; renewed May 1, 1937.

CLASS 31

Cooling apparatus, Beer. Novadel-Agene Corporation. 342,802; Jan. 26.

CLASS 32

Mattresses. American Auto-Felt Corporation. 342,698; Jan. 26; Serial No. 383,562; published Nov. 17, 1936.

CLASS 33

Glass, flat glass, window glass, etc., Sheet. Fourco Glass Company. 342,670; Jan. 26; Serial No. 381,610; published Nov. 10, 1936.

CLASS 34

Boilers, Oil. Wayne Oil Burner Corporation. 342,692; Jan. 26; Serial No. 375,280; published Nov. 17, 1936.
Burners and air registers, Oil. Todd Combustion Equipment, Inc. 342,787; Jan. 26; Serial No. 377,132; published Nov. 17, 1936.
Heaters employing gas, Hot water. United American Bosch Corporation. 342,803; Jan. 26.
Lighting fixtures, Electric. M. B. Cherniak Mfg. Co. 342,760; Jan. 26; Serial No. 377,497; published Nov. 17, 1936.
Registers, Warm air. United States Register Company. 342,733; Jan. 26; Serial No. 381,293; published Nov. 17, 1936.

CLASS 35

Belting, duck belting, rubber hose, etc., Rubber. Cincinnati Rubber Manufacturing Co. 116,746; renewed May 22, 1937.
Washers, Felt. T. R. Brawley. 114,931; renewed Jan. 16, 1937.

CLASS 37

Cards for visible index or record equipment, desk diaries, etc. Acme Card System Company. 342,738; Jan. 26; Serial No. 366,350; published Nov. 17, 1936.
Envelopes. A. Lewis. 342,715; Jan. 26; Serial No. 383,473; published Nov. 17, 1936.
Paper, Coated lithographic. West Virginia Pulp & Paper Company. 116,487; renewed May 1, 1937.
Paper, Sulphite. Thilmany Pulp & Paper Company. 342,786; Jan. 26; Serial No. 370,068; published Nov. 17, 1936.
Paper, Toilet. Golco Sanitary System, Inc. 342,769; Jan. 26; Serial No. 380,275; published Nov. 17, 1936.

CLASS 38

Comic strip, Newspaper. G. Jud. 342,771; Jan. 26; Serial No. 382,834; published Nov. 10, 1936.
Magazine. Quigley Publishing Company. 342,778; Jan. 26; Serial No. 382,766; published Nov. 10, 1936.
Newspaper section. American Newspapers, Inc. 342,751; Jan. 26; Serial No. 377,626; published Nov. 10, 1936.
Periodical. Arizona Producer Publishing Company. 342,663; Jan. 26; Serial No. 382,613; published Nov. 10, 1936.
Periodical. Automotive Retailer Publishing Corporation. 342,752; Jan. 26; Serial No. 377,733; published Nov. 10, 1936.
Periodical. Oskamp Nolting Company. 342,718; Jan. 26; Serial No. 383,101; published Nov. 10, 1936.
Periodical. Syndicate Store Merchandiser, Inc. 342,782; Jan. 26; Serial No. 383,077; published Nov. 10, 1936.
Periodical. Tea and Coffee Trade Journal Co. 342,784; Jan. 26; Serial No. 382,965; published Nov. 10, 1936.
Publications, Stamp collector's. L. S. Barr. 342,664; Jan. 26; Serial No. 382,374; published Nov. 10, 1936.

Tickets and coupons. D. D. Ferguson. 342,740; Jan. 26; Serial No. 379,739; published Nov. 10, 1936.

CLASS 39

Belts. Krischer Trading Corp. 342,677; Jan. 26; Serial No. 382,482; published Nov. 17, 1936.
Boots, shoes, and slippers. W. L. Douglas Shoe Co. 342,668; Jan. 28; Serial No. 382,621; published Nov. 17, 1936.
Brassières and corsets and combinations thereof. H & W Company. 342,713; Jan. 26; Serial No. 383,129; published Nov. 17, 1936.
Clothing. Morris & Company. 114,808; renewed Jan. 2, 1937.
Coats and suits. Sportowne Coat Co. 342,730; Jan. 26; Serial No. 383,373; published Nov. 17, 1936.
Coats, trousers, vests, etc. Alward-Anderson-Southard Co. 113,932; renewed Nov. 14, 1936.
Corsets, brassières, bandeaux, etc. Vanity Corset Company. 342,690; Jan. 26; Serial No. 382,454; published Nov. 17, 1936.
Dresses. Goldman Costume Company. 115,755; renewed Mar. 6, 1937.
Dresses, cloaks, and suits. Torch Frocks, Inc. 342,788; Jan. 26; Serial No. 382,967; published Nov. 17, 1936.
Dresses, coats, sweaters, etc. Marshall Field & Company. 342,678; Jan. 26; Serial No. 381,979; published Nov. 17, 1936.
Hats for children. Henry Rose Stores, Inc. 342,725; Jan. 26; Serial No. 383,484; published Nov. 17, 1936.
Hats for women. Henry Rose Stores, Inc. 342,724; Jan. 26; Serial No. 383,483; published Nov. 17, 1936.
Hats, Women's. R. H. Macy & Co. 342,716; Jan. 26; Serial No. 381,039; published Nov. 17, 1936.
Mufflers and scarfs. Trabulsi Textile Co. Inc. 342,732; Jan. 26; Serial No. 383,375; published Nov. 17, 1936.
Shirts, pajamas, nightgowns, and underwear. Brownstein-Louis Company. 115,294; renewed Feb. 6, 1937.
Shoes. Walker T. Dickerson Company. 342,761; Jan. 26; Serial No. 381,025; published Nov. 17, 1936.
Shoes. Model Shoe Company. 342,800; Jan. 26.
Shoes, Women's. Excelsior Shoes, Inc. 342,708; Jan. 26; Serial No. 383,298; published Nov. 17, 1936.
Shorts, Men's. Coopers, Incorporated. 342,706; Jan. 26; Serial No. 380,759; published Nov. 17, 1936.
Ski-boots, and cleated football, baseball, and track shoes. M. Mayer. 342,679; Jan. 26; Serial No. 379,006; published Nov. 17, 1936.
Skirts, mackinaw coats, dresses, etc., Ladies'. Sheuerman Bros. 114,292; renewed Dec. 5, 1936.
Skirts, waists, suits, rompers, etc. Lorraine Manufacturing Company. 342,774; Jan. 26; Serial No. 373,697; published Nov. 17, 1936.
Skirts, waists, suits, rompers, etc. Lorraine Manufacturing Company. 342,775; Jan. 26; Serial No. 373,738; published Nov. 17, 1936.
Slippers, Ladies'. Knight Slipper Mfg. Corp. 342,676; Jan. 26; Serial No. 382,481; published Nov. 17, 1936.
Suits, top coats, and overcoats. United Woolen Company. 342,791; Jan. 26; Serial No. 383,043; published Nov. 17, 1936.
Undershirts, Men's and boys'. Glendale Shirt Co. 342,768; Jan. 26; Serial No. 380,765; published Nov. 17, 1936.
Underwear. A. Weinberg. 342,737; Jan. 26; Serial No. 383,112; published Nov. 17, 1936.
Underwear, Knitted. Lax & Burgheimer, In'c. 114,894; renewed Jan. 9, 1937.
Underwear, Ladies'. Milberg & Milberg. 342,776; Jan. 26; Serial No. 382,924; published Nov. 17, 1936.

CLASS 42

Cotton piece goods. Boott Mills. 116,815; renewed May 29, 1937.
Cotton piece goods. J. C. Penney Company. 342,719; Jan. 26; Serial No. 383,137; published Nov. 17, 1936.
Cotton, rayon, and silk fabrics. R. W. Hamilton. 342,714; Jan. 26; Serial No. 383,094; published Nov. 17, 1936.
Lining materials, Fibrous. Kendall Company. 342,675; Jan. 26; Serial No. 375,512; published Nov. 17, 1936.
Piece goods. Bear Mill Manufacturing Co. 342,702; Jan. 26; Serial No. 383,116; published Nov. 17, 1936.
Piece goods. Siegel Bros. Kiki Maid Koats Inc. 342,687; Jan. 26; Serial No. 380,797; published Nov. 17, 1936.
Silk and crepe piece goods. H. R. Mallinson & Co. 116,073; renewed Apr. 3, 1937.
Silk, cotton, and rayon piece goods, and combinations thereof. William Willheim Company. 342,693–4; Jan. 26; Serial Nos. 382,496–7; published Nov. 17, 1936.
Silk, cotton, and rayon piece goods, and combinations thereof. William Willheim Company. 342,695–6; Jan. 26; Serial Nos. 382,500–01; published Nov. 17, 1936.
Silk, cotton, and rayon piece goods, and combinations thereof. William Willheim Company. 342,794; Jan. 26; Serial No. 382,691; published Nov. 17, 1936.
Silk, cotton, and rayon piece goods, and combinations thereof. William Willheim Company. 342,795; Jan. 26; Serial No. 382,693; published Nov. 17, 1936.
Silk, cotton, and rayon piece goods, and combinations thereof. William Willheim Company. 342,796; Jan. 26; Serial No. 382,695; published Nov. 17, 1936.
Silk piece goods. H. R. Mallinson & Co. 116,149; renewed Apr. 10, 1937.
Silk, woolen, linen, and cotton piece goods. D. H. Grant. 342,712; Jan. 26; Serial No. 383,308; published Nov. 17, 1936.
Textile fabrics in the piece. Glendale Fabrics, Inc. 342,711; Jan. 26; Serial No. 383,093; published Nov. 17, 1936.
Woolen cloth. Peerless Tailored Dresses. 342,746; Jan. 26; Serial No. 381,591; published Nov. 17, 1936.
Woolen goods in the piece. Worumba Manufacturing Company. 116,493; renewed May 1, 1937.
Woolen piece goods. B. Kaplan & Company. 342,745; Jan. 26; Serial No. 381,566; published Nov. 17, 1936.

CLASS 44

Abdominal surgical health-belts. Well Corset Company. 116,725; renewed May 15, 1937.
Containers for frozen liquid. E. Pomeranz. 342,720; Jan. 26; Serial No. 383,406; published Nov. 17, 1936.
Dental mirrors. Merit Dental Products, Inc. 342,681; Jan. 26; Serial No. 382601; published Nov. 17, 1936.
Rubber goods. United Drug Company. 115,418; renewed Feb. 6, 1937.
Therapeutic electric lamps. U. V. R. Laboratories, Inc. 342,790; Jan. 26; Serial No. 376,783; published Nov. 17, 1936.

CLASS 45

Beverage and syrup and extracts in making same. S. Terry. 342,785; Jan. 26; Serial No. 368,636; published Nov. 17, 1936.
Beverage, sirup and extract for making the same. C. E. Trees & Co. Inc. 342,789; Jan. 26; Serial No. 383,041; published Nov. 17, 1936.
Beverages. M. L. J. Lambert. 342,773; Jan. 26; Serial No. 378,211; published Nov. 17, 1936.
Beverages. Peterscil & Delmont. 342,685; Jan. 26; Serial No. 381,689; published Nov. 17, 1936.
Beverages and sirups and extracts for making the same. Fort Dodge Bottling Works, Inc. 342,710; Jan. 26; Serial No. 383,306; published Nov. 17, 1936.
Mixer, Non-alcoholic. Jero Products Co. 342,744; Jan. 26; Serial No. 365,735; published Nov. 17, 1936.

CLASS 46

Alimentary pastes. V. Viviano & Bros., Macaroni Mfg. Co. 342,691; Jan. 26; Serial No. 382,539; published Nov. 17, 1936.
Barleys, brown buckwheat, buckwheat flour, etc., Pearl. S. Tannenbaum. 342,783; Jan. 26; Serial No. 377,558; published Nov. 17, 1936.
Bread, biscuits, crackers, etc. A. Horlick. 115,965; renewed Mar. 27, 1937.
Canned salmon. Everett Packing Co. 114,341–3; renewed Dec. 12, 1936.
Chocolate. C. A. Crane. 115,740; renewed Mar. 6, 1937.
Confectionery, Frozen. Eskimo Pie Corporation. 342,762; Jan. 26; Serial No. 364,764; published Nov. 17, 1936.
Cookies, Avocado. J. Seaman. 342,728; Jan. 26; Serial No. 381,146; published Nov. 17, 1936.
Feed, Stock. Chas. A. Krause Milling Co. 116,325; renewed Apr. 24, 1937.
Flour. General Mills, Inc. 342,741; Jan. 26; Serial No. 379,929; published Nov. 17, 1936.
Flour. General Mills, Inc. 342,766; Jan. 26; Serial No. 379,930; published Nov. 17, 1936.
Foods. Jett & Wood. 114,483; renewed Dec. 19, 1936.
Gum or candied chewing-gum, Chewing. Rueckheim Bros. & Eckstein. 115,107; renewed Jan. 23, 1937.
Milk, ice cream, and dairy products. Iowana Farms Milk Co. 342,674; Jan. 26; Serial No. 381,623; published Nov. 17, 1936.
Potato chips. W. D. Utz. 342,792; Jan. 26; Serial No. 383,953; published Nov. 17, 1936.
Rennet preparations. Chr. Hansen's Laboratory, Inc. 342,672; Jan. 26; Serial No. 378,561; published Aug. 25, 1936.
Tea. Brooks, Bond & Company. 342,666–7; Jan. 26; Serial Nos. 381,862–3; published Nov. 17, 1936.
Tea. "Salada" Tea Company Incorporated. 116,557; renewed May 8, 1937.

CLASS 47

Sherry. Julius Wile Sons & Co. 342,793; Jan. 26; Serial No. 378,105; published Nov. 17, 1936.
Wines. Bear Creek Vacuum Wine Company. 342,701; Jan. 26; Serial No. 383,614; published Nov. 17, 1936.
Wines. A. Carbone & Company. 342,797; Jan. 26.

CLASS 48

Beer, ale, and porter. Kuebler Brewing Company. 342,772; Jan. 26; Serial No. 380,401; published Nov. 17, 1936.
Beer and other malt beverages. Schorr-Kolkschneider Brewing Company. 342,726; Jan. 26; Serial No. 383,230; published Nov. 17, 1936.
Beer, porter, ale, etc. Gabriel u. Jos. Sedlmayr Spaten-Franziskaner-Leistbräu A.-G. München. 342,671; Jan. 26; Serial No. 380,463; published Nov. 17, 1936.

CLASS 49

Gin liquors. Glaser Bros. 342,767; Jan. 26; Serial No. 372,134; published Nov. 10, 1936.
Rum. Barbet & Fournier. 342,700; Jan. 26; Serial No. 384,023; published Nov. 17, 1936.

Whiskey. American Distributors, Inc. 342,661; Jan. 26; Serial No. 379,284; published Nov. 10, 1936.

Whiskey. Bellows & Company. 342,703; Jan. 26; Serial No. 383,117; published Nov. 10, 1936.

Whiskey. National Distillers Products Corporation. 342,717; Jan. 26; Serial No. 384,045; published Nov. 17, 1936.

Whiskey. Three G Distillery Corp. 342,731; Jan. 26; Serial No. 384,064; published Nov. 17, 1936.

Whiskey. Washington Wholesale Liquor Corporation. 342,735–6; Jan. 26; Serial Nos. 383,967–8; published Nov. 17, 1936.

Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 342,686; Jan. 26; Serial No. 375,521; published Nov. 10, 1936.

Whiskey, gin, rum, etc. Joseph S. Finch and Company. 342,669; Jan. 26; Serial No. 384,076; published Nov. 17, 1936.

Whiskey, Scotch. John Robertson & Son Limited. 342,723; Jan. 26; Serial No. 383,942; published Nov. 10, 1936.

CLASS 50

Cellulose film strips for Christmas tree decoration. Paper Novelty Manufacturing Company. 342,683; Jan. 26; Serial No. 375,556; published June 16, 1936.

Closures for receptacles. Hazel-Atlas Glass Company. 342,673; Jan. 26; Serial No. 381,908; published Nov. 17, 1936.

Novelties made of molded material. Brown & Bigelow. 342,739; Jan. 26; Serial No. 348,311; published July 28, 1936.

LIST OF LABELS

Big Ben. For Ale. Bruckmann Company. 48,739; Jan. 26.

Bisquick. For Biscuit Flour. General Mills, Inc. 48,752–7; Jan. 26.

Bond Bread—Guaranteed Fresh. For Bread. General Baking Company. 48,750; Jan. 26.

Cameo Crepe. For Crepe Fabric. Cameo Fabrics. 48,741; Jan. 26.

Certigrade Red Cedar Shingles No. 1 Grade. For Red Cedar Shingles. Red Cedar Shingle Bureau. 48,781; Jan. 26.

Certigrade Red Cedar Shingles No. 2 Grade. For Red Cedar Shingles. Red Cedar Shingle Company. 48,782; Jan. 26.

Certigrade Red Cedar Shingles No. 3 Grade. For Red Cedar Shingles. Red Cedar Shingle Bureau. 48,783; Jan. 26.

Comfortable Sheepskin Moccasins. For Sheepskin Moccasins. Midwest Slipper Mfg. Co. 48,777; Jan. 26.

Corral. For Fresh Citrus Fruits. Clearwater Growers Assn. 48,743; Jan. 26.

Dreamland. For Mattresses. R. C. Heller Company. 48,768; Jan. 26.

Ellison. For a Preparation for Treating Corns, Callouses and Bunions. M. Ellison. 48,745; Jan. 26.

Energize—Bread is a Go Food. For Bread. Quality Bakers of America. 48,780; Jan. 26.

Fehr's Mello Ale. For Ale. Frank Fehr Brewing Co. 48,746; Jan 26.

Frantz Selected Bakers. For Bakery Products. C. C. Frantz. 48,747; Jan. 26.

Fresh Super-Fine Bread. For Bread. General Baking Company. 48,749; Jan. 26.

Gold Medal Dog Food. For Dog Food. General Mills, Inc. 48,751; Jan. 26.

Hamer Individual Puffs. For Powder Puffs. E. Hamer. 48,763; Jan. 26.

Ipeab for Bleeding Gums. For a Liquid for Treating Bleeding Gums. Health Home Remedies Corp. 48,767; Jan. 26.

Kala-Klean. For a Liquid Cleaning Compound. P. R. McNair. 48,776; Jan. 26.

Las Palmas. For Cigars. La Yebana Company. 48,772; Jan. 26.

La Yebana. For Cigars. La Yebana Company. 48,773; Jan. 26.

Leisure Lady. For Prepared Wax. E. C. James. 48,771; Jan. 26.

Lilac. For Canned Corn. H. C. Baxter & Bro. 48,736; Jan. 26.

Lilac. For Canned Baked Beans with Pork. H. C. Baxter & Bro. 48,737; Jan. 26.

Manischewitz Parve. For Bread. Manco Breads, Inc. 48,774; Jan. 26.

Manning Pasteurized Creamery Butter No. 607 O—S. For Butter. Sutherland Paper Company. 48,787; Jan. 26.

Melotone. For Full Range Recordings. Brunswick Record Corporation. 48,740; Jan. 26.

Mme Wise Wonder Hair Grower. For Hair Grower. L. Harris. 48,764; Jan. 26.

Morrhu Comp. For Unguentum. Hart Drug Corporation. 48,765–6; Jan. 26.

Mrs. Skinner's Pure Egg Noodles. For Pure Egg Noodles. Skinner Manufacturing Company. 48,786; Jan. 26.

Old 'Doc' Brox Horehound Drops. For Candy Horehound Drops. E. J. Brach & Sons. 48,738; Jan. 26.

Pharmco. For Grain Alcohol. Publicker Commercial Alcohol Company. 48,779; Jan. 26.

Plenty for All. For Coffee. Continental Radio Foundation, Inc. 48,744; Jan. 26.

Restrite. For Mattresses. R. C. Heller Company. 48,770; Jan. 26.

Robinson Shoe Co. Fine Shoes and Hosiery. For Hosiery. A. C. Clayton Printing Company. 48,742; Jan. 26.

Salted Nuts. For Salted Nuts. Awful Fresh MacFarlane. 48,735; Jan. 26.

San Antonio Portland Cement Co. Red Bag Alamo. For Portland Cement. San Antonio Portland Cement Company. 48,784; Jan. 26.

Skinner's Shell Macaroni. For Shell Macaroni. Skinner Manufacturing Company. 48,785; Jan. 26.

Sleep-Good. For Mattresses. R. C. Heller Company. 48,769; Jan. 26.

Table Hints. For Canned Salmon. Grocers Service Corporation. 48,748; Jan. 26.

Table Hints. For Canned Tomatoes. Grocers Service Corporation. 48,758; Jan. 26.

Table Hints. For Canned Cherries. Grocers Service Corporation. 48,759; Jan. 26.

Table Hints. For Canned Peas. Grocers Service Corporation. 48,760; Jan. 26.

Table Hints. For Canned Peaches. Grocers Service Corporation. 48,761; Jan. 26.

Table Hints. For Pears. Grocers Service Corporation. 48,762; Jan. 26.

Tang. For Dressing for Salads, Fish, Oysters, Crabs, Cold Meats and Sausages. Nalley's, Inc. 48,778; Jan. 26.

Treasure Chest of Picture Magic. For Color and Cut-Out Sets. Treasure Chest Publications Inc. 48,788; Jan. 26.

Wild Honey. For Honey. Maxwell Brothers. 48,775; Jan. 26.

LIST OF PRINTS

Best. For Pressure-Proof Lubricants. Whitmore Manufacturing Company. 16,024; Jan. 26.

Clothes to Grow In. For Children's Clothes. R. S. Wheeler. 16,023; Jan. 26.

Free 1-lb. Pasha Nuts. For Pasha Nuts. Awful Fresh Mac Farlane. 16,009; Jan. 26.

Kind Gent Wanted. For Confectionery. Awful Fresh Mac Farlane. 16,008; Jan. 26.

Now . . . Perfect Bakings Always! For Flour. General Mills, Inc. 16,015; Jan. 26.

Nuts to U. For Shelled Nuts. M. Rosenberg. 16,020; Jan. 26.

Nuts 2U. For Confectionery and Nuts. Awful Fresh Mac Farlane. 16,010; Jan. 26.

Originator. For Pressure-Proof Lubricants. Whitmore Manufacturing Company. 16,025; Jan. 26.

Pine Nuts 29¢ Lb. For Confectionery and Nuts. Awful Fresh Mac Farlane. 16,011; Jan. 26.

Room Charm at Small Cost—By Recipe! For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 16,012; Jan. 26.

The Heart of the Hide Shoes. For Shoes. Thomas Gaillord & Reynolds, Inc. 16,014; Jan. 26.

The Justin Shoe. For Shoes. H. J. Justin & Sons, Incorporated. 16,016; Jan. 26.

31 Point Fall Driving Check-Up. For an Automobile Lubricant. Texas Distributing Co. 16,021; Jan. 26.

31 Point Fall Driving Check-Up. For Automobile Fans, Hot Water Heaters, Radios, Tires, and Wiper Blades. Texas Distributing Co. 16,022; Jan. 26.

Tough as a Hippo's Hide. For Felt Base Rugs. Bigelow-Sanford Carpet Co. Inc. 16,013; Jan. 26.

Traveller. For Handbag. P. Lome. 16,017; Jan. 26.

Wangan Camp to the Woodsman Department Store to You. For Woolen Cloth and Woolen Sports Apparel. Old Town Woolen Company. 16,019; Jan. 26.

Why Your Feet Should be Supported Directly Under the Center of Body Weight, What Happens When Your Feet Are Not Supported Directly Under the Center of Body Weight. For Shoes. Musebeck Shoe Company. 16,018; Jan. 26.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Davis, Walter F., assignor, by mesne assignments, to Ranger Engineering Corporation, Farmingdale, Long Island, N. Y. Engine cooling device. 20,251; Jan. 26.

French, George F., assignor to Thomas French & Sons Limited, Manchester, England. Ladder web of Venetian blinds. 20,257; Jan. 26.

French, Thomas, & Sons Limited. (See French, George F., assignor.)

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 20,258; Jan. 26.

Motor Wheel Corporation. (See Horn, Harry J., assignor.)

Parker Wire Goods Company. (See Priest, Dwight E., assignor.)

Priest, Dwight E., assignor to Parker Wire Goods Company, Worcester, Mass. Hacksaw frame construction. 20,252; Jan. 26.

Ranger Engineering Corporation. (See Davis, Walter F., assignor.)

Richter, Ernest W., Chicago, Ill. Control pedal. 20,253; Jan. 26.

Robertson, William H., Dayton, Ohio. Internal combustion engine. 20,254; Jan. 26.

Savage, Edward S., Rochester, N. Y. Spinning top. 20,255; Jan. 26.

Wilkening Manufacturing Company. (See Wuerfel, William, assignor.)

Wuerfel, William, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 20,256; Jan. 26.

LIST OF PLANT PATENTEES

McKee Poplar Forestation, Inc. (See McKee, Ralph H., assignor.)

Miller, Anna L., Nashport, Ohio. Gladiolus. 227; Jan. 26.

McKee, Ralph H., New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y. Hybrid poplar. 228; Jan. 26.

McKee, Ralph H., New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y. Hybrid poplar. 229; Jan. 26.

McKee, Ralph H., New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y. Hybrid poplar. 230; Jan. 26.

LIST OF DESIGN PATENTEES

Aeolian American Corporation. (See Kavanagh, Gardner C., assignor.)

All Metal Products Company. (See Brethen, C. A., and Gora, assignors.)

American Fabrics Company. (See Siegrist, Daniel F., assignor.)

Antonow, Samuel L., assignor to Vadsco Sales Corp., New York, N. Y. Powder can. 102,863; Jan. 26.

Arbuckle, Samuel F., Highland Park, assignor to United Lens Corporation, Detroit, Mich. Signal lamp. 102,864; Jan. 26.

Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)

Bancroft Walker Company. (See Vamos, Alfred, assignor.)

Barclay, McClelland, New York, N. Y. Siphon bottle or similar article. 102,865; Jan. 26.

Barrett, Colin D., Watertown, assignor to Scovill Manufacturing Company, Waterbury, Conn. Flashlight casing. 102,866; Jan. 26.

Barrett, Colin D., Watertown, assignor to Scovill Manufacturing Company, Waterbury, Conn. Flashlight head shell. 102,867; Jan. 26.

Barrett, Colin D., Watertown, assignor to Scovill Manufacturing Company, Waterbury, Conn. Flashlight base cap. 102,868; Jan. 26.

Beisang, Alfred O., assignor to Brown & Bigelow, St. Paul, Minn. Knife. 102,869; Jan. 26.

Bendix Aviation Corporation. (See Friez, Lucien L., assignor.)

Benner, Russell E. (See Rand, J. H., Jr., and Benner.)

Brethen, C. A., Wyandotte, and J. Gora, Ecorse, Mich., assignors to All Metal Products Company, Wyandotte, Mich. Toy aeroplane. 102,870; Jan. 26.

Brethen, C. A., Wyandotte, and J. Gora, Ecorse, Mich., assignors to All Metal Products Company, Wyandotte, Mich. Toy aeroplane. 102,871; Jan. 26.

Brown & Bigelow. (See Beisang, Alfred O., assignor.)

Buffalo Jewelry Case Company. (See Jellinek, Irwin H., assignor.)

Callison, Delmar L., Coleman, Mich. Combination salt and pepper shaker. 102,874; Jan. 26.

Casco Products Corporation. (See Cochrane, Bert G., assignor.)

Cavignac, Frank H., New York, N. Y. Golf ball or the like. 102,940; Jan. 26.

Chicago Lock Company. (See Shinn, William C., assignor.)

Cochrane, Bert G., Chicago, Ill., assignor to Casco Products Corporation, Bridgeport, Conn. Fender splash guard. 102,941; Jan. 26.

Cohn-Hall Marx Co. (See Susi, Michaelangelo, assignor.)

Colella & Leighton Shoe Co. (See Jayne, Bennett, assignor.)

Columbian Enameling & Stamping Co. (See Nelson, Andrew W., assignor.)

Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Cake box. 102,875; Jan. 26.

Covert, George H., Cleveland Heights, Ohio. Bottle. 102,942; Jan. 26.

Craighead, John R., Denver, Colo. Buckle. 102,873; Jan. 26.

Crane, Charles R., II, assignor to Crane Co., Chicago, Ill. Sink. 102,872; Jan. 26.

Crane Co. (See Crane, Charles R., II, assignor.)

Daum, Charles, Forest Hills, N. Y. Revoluble cake tray. 102,967; Jan. 26.

Dulany, Helen H., Chicago, Ill. Cocktail shaker. 102,943; Jan. 26.

Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. 102,944; Jan. 26.

Exelmans, Maurice, Paris, France, assignor to Verlys of America, Inc., New York, N. Y. Bowl or similar article. 102,876; Jan. 26.

Farber, Simon W., Brooklyn, N. Y. Combined bowl and tray. 102,968; Jan. 26.

Fatherley, Robert E., Darien, Conn., assignor to M. D. Kornfeld, New York, N. Y. Textile fabric or similar article. 102,877; Jan. 26.

Forman, Mack M., Providence, R. I., assignor to Marathon Company. Compact case. 102,945; Jan. 26.

Foster, Marian. (See George, M., and Foster.)

Friez, Lucien L., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Air-conditioning control device or similar article. 102,969; Jan. 26.

Frost, Max, Brooklyn, N. Y. Musical instrument case. 102,878; Jan. 26.

Furman, David M., assignor to Kaplan & Gordon Corp., New York, N. Y. Beaded handbag fabric. 102,946; Jan. 26.

General Electric Company. (See Rainbault, John P., assignor.)

General Fireproofing Company, The. (See Powell, Dwight, assignor.)

George, Marguerite, and M. Foster, New York, N. Y. Doll or similar article. 102,879; Jan. 26.

George, Marguerite, and M. Foster, New York, N. Y. Doll or similar article. 102,880; Jan. 26.

Goodstein, Joseph, New York, N. Y. Comfortable. 102,970; Jan. 26.

Gora, John. (See Brethen, C. A., and Gora.)

Gregory, Carey G., Los Angeles, Calif. Combination desk set. 102,881; Jan. 26.

Gregory, Carey G., Los Angeles, Calif. Combination desk set. 102,882; Jan. 26.

Guardino, Leonardo, Brooklyn, N. Y. Signal lamp faceplate. 102,947; Jan. 26.

Hale, Greta, Chicago, Ill. Combined seat and telephone compartment. 102,971; Jan. 26.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 102,883; Jan. 26.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 102,884; Jan. 26.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 102,885; Jan. 26.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 102,886; Jan. 26.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 102,887; Jan. 26.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 102,888; Jan. 26.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 102,889; Jan. 26.
Hayes, Joseph A., Camp Hill, Pa., assignor to Neptune Meter Company, Long Island City, N. Y. Meter casing. 102,948; Jan. 26.
Hayward, Nelson, assignor to Ray Oil Burner Co., San Francisco, Calif. Oil burner or similar article. 102,890; Jan. 26.
Hennings, Raymond A., New Orleans, La. Display stand. 102,972; Jan. 26.
Ish-Shalom, Samu-El, New York, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Hebrew alphabet. 102,891; Jan. 26.
Ish-Shalom, Samu-El, New York, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Font of Hebrew type. 102,949; Jan. 26.
Jayne, Bennett, New York, N. Y., assignor to Colella & Leighton Shoe Co., Lynn, Mass. Shoe. 102,892; Jan. 26.
Jellinek, Irwin H., assignor to Buffalo Jewelry Case Company, Buffalo, N. Y. Jewelry box. 102,893; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,894; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,895; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,896; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,897; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,898; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,899; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,900; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,901; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,902; Jan. 26.
Kalmon, Morris, St. Louis, Mo. Shoe. 102,903; Jan. 26.
Kaplan & Gordon Corp. (See Furman, David M., assignor.)
Karp, William, New York, N. Y. Scarf. 102,950; Jan. 26.
Karsh, Alexander, New York, N. Y. Combined beverage container and serving glass rack. 102,904; Jan. 26.
Kavanagh, Gardner C., Rochester, assignor to Aeolian American Corporation, East Rochester, N. Y. Piano case. 102,973; Jan. 26.
Keppler, Donald R., and P. D., Seattle, Wash. Combined clock case and lamp. 102,905; Jan. 26.
Keppler, Paul D. (See Keppler, Donald R., and P. D.)
Koehring Company. (See Rueter, Earle F., assignor.)
Kornfeld, Morton D. (See Fatherley, Robert E., assignor.)
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator cabinet. 102,951; Jan. 25.
Lentheric Incorporated. (See McIntosh, Frank, assignor.)
Lescaze, William, assignor to Silvray Lighting Inc., New York, N. Y. Lighting fixture. 102,906; Jan. 26.
Lewin, Arthur, New York, N. Y. Wrapping paper. 102,952; Jan. 26.
Lewis, Fred S., South Bend, Ind. Automatic sign. 102,907; Jan. 26.
Lewis, Fred S., South Bend, Ind. Automatic sign. 102,908; Jan. 26.
Lieberman, Ralph, New York, N. Y. Coat. 102,909; Jan. 26.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 102,910; Jan. 26.
Marathon Company. (See Forman, Mack M., assignor.)
Martin, James, New York, N. Y. Tire. 102,911; Jan. 26.
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Box. 102,912; Jan. 26.
Mergenthaler Linotype Company. (See Ish-Shalom, Samu-El, assignor.)
Nelson, Andrew W., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind. Kettle or similar article. 102,953; Jan. 26.
Nelson, Andrew W., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind. Saucepan or similar article. 102,954; Jan. 26.
Neptune Meter Company. (See Hayes, Joseph A., assignor.)
New England Lace Mills. (See Edson, Bert, assignor.)
Noble, F. H., & Co. (See Shields, John M., assignor.)
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Waterproof wall telephone. 102,955; Jan. 26.
Oiring, Ida, Chicago, Ill. Finger ring or similar article. 102,913; Jan. 26.
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Perkins, Julian L., West Springfield, Mass. Drain board. 102,914; Jan. 26.
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 102,915; Jan. 26.
Powell Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 102,916; Jan. 26.
Powell Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 102,917; Jan. 26.
Prince, Charles S., Washington, D. C. Body for two-wheeled vehicles. 102,956; Jan. 26.
Pritchard, Nelle W., Atlantic Beach, Fla. Combined sun visor and ventilator for motor vehicle windows. 102,974; Jan. 26.
Rainbault, John P., New York, N. Y., assignor to General Electric Company. Clock case. 102,918; Jan. 26.
Rainbault, John P., New York, N. Y., assignor to General Electric Company. Clock case. 102,919; Jan. 26.
Rand, James H., Jr., and R. E. Benner, assignors to Remington Rand Inc., Buffalo, N. Y. Typewriting machine. 102,975; Jan. 26.
Ray Oil Burner Co. (See Hayward, Nelson, assignor.)
Remington Rand Inc. (See Rand, J. H., Jr., and Benner.)
Renner, Henry M., Elk City, Okla. Shovel blade. 102,957; Jan. 26.
Rittenhouse, A. E., Co. (See Rittenhouse, Lloyd, assignor.)
Rittenhouse, Lloyd, assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Housing for a signal device. 102,958; Jan. 26.
Rosen, Hyman, New York, N. Y. Lady's hat. 102,920; Jan. 26.
Rosenblatt, Samuel, Chicago, Ill. Vaporizer. 102,976; Jan. 26.
Rowley, Charles A., Los Angeles, Calif. Egg beater or similar article. 102,959; Jan. 26.
Rueter, Earle F., assignor to Koehring Company, Milwaukee, Wis. Hoisting apparatus cab. 102,977; Jan. 26.
Ryan, Cyril C., East Hempstead, N. Y. Textile fabric. 102,921; Jan. 26.
Ryan, Cyril C., East Hempstead, N. Y. Textile fabric. 102,922; Jan. 26.
Ryan, Cyril C., East Hempstead, N. Y. Textile fabric. 102,923; Jan. 26.
Ryan, Cyril C., East Hempstead, N. Y. Textile fabric. 102,924; Jan. 26.
Sandhaus, Samuel, New York, N. Y. Coat. 102,925; Jan. 26.
Scovill Manufacturing Company. (See Barrett, Colin D., assignor.)
Scovill Manufacturing Company. (See Westfall, William R., assignor.)
Sherman, Jacob S., Chicago, Ill. Ashtray. 102,926; Jan. 26.
Sherman, Jacob S., Chicago, Ill. Combined liquid container, dispenser, and serving tray. 102,939; Jan. 26.
Shield, Morris H., Chicago, Ill. Dispensing vehicle body. 102,960; Jan. 26.
Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Jewelry box or similar container. 102,929; Jan. 26.
Shinn, William C., assignor to Chicago Lock Company, Chicago, Ill. Faceplate for a coin chute. 102,961; Jan. 26.
Siegel, David, New York, N. Y. Knitted fabric. 102,962; Jan. 26.
Siegrist, Daniel F., Glen Rock, N. J., assignor to American Fabrics Company, Bridgeport, Conn. Lace. 102,927; Jan. 26.
Siegrist, Daniel F., Glen Rock, N. J., assignor to American Fabrics Company, Bridgeport, Conn. Lace. 102,928; Jan. 26.
Signor, William E., Gettysburg, Pa. Wigwag signal. 102,931; Jan. 26.
Silverman, Charles, Providence, R. I. Fountain pen or similar article. 102,930; Jan. 26.
Silvray Lighting Inc. (See Lescaze, William, assignor.)
Standard Mailing Machines Company. (See Trueman, Paul T., assignor.)
Susi, Michaelangelo, assignor to Cohn-Hall Marx Co., New York, N. Y. Textile fabric or similar article. 102,932; Jan. 26.
Trueman, Paul T., Canton, assignor to Standard Mailing Machines Company, Everett, Mass. Duplicating machine side casing or similar article. 102,963; Jan. 26.
Trueman, Paul T., Canton, assignor to Standard Mailing Machines Company, Everett, Mass. Duplicating machine side casing or similar article. 102,964; Jan. 26.
United Lens Corporation. (See Arbuckle, Samuel F., assignor.)
Vadsco Sales Corp. (See Antonow, Samuel L., assignor.)
Valvano, Domenic A., Linden, N. J. Game board or the like. 102,933; Jan. 26.
Vamos, Alfred, New York, N. Y., assignor to Bancroft Walker Company, Waltham, Mass. Shoe. 102,934; Jan. 26.
Verlys of America, Inc. (See Exelmans, Maurice, assignor.
Webster, Evelyn, Gloversville, N. Y. Glove. 102,965; Jan. 26.
Webster, Evelyn, Gloversville, N. Y. Glove. 102,966; Jan. 26.
Westfall, William R., Kew Gardens, N. Y., assignor to Scovill Manufacturing Company, New Haven, Conn. Flashlight head shell. 102,935; Jan. 26.
Westinghouse Electric & Manufacturing Co. (See Kruck, Ralph E., assignor.)
Wise, Solomon, Shaker Heights, Ohio. Lock for bicycles or the like. 102,936; Jan. 26.
Wise, Solomon, Shaker Heights, Ohio. Bicycle lock. 102,937; Jan. 26.
Woodward, Hobart E., Minneapolis, Minn. Ice cream cone. 102,938; Jan. 26.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Geoffrey J., assignor to P. I. V. Chain Gears Limited, London, England. Transmission mechanism of the V-pulley type. 2,068,784; Jan. 26.
Acton, Frank. (See Francisco, C. M., Acton, and Lenhart.)
Adams, Leland R., Silver Lake, assignor to The Firestone Steel Products Company, Akron, Ohio. Warning device. 2,069,054; Jan. 26.
Adamson, Percy, Rye, assignor to United States Rubber Company, New York, N. Y. Shoe with elastic portion. 2,069,083; Jan. 26.
Agfa Ansco Corporation. (See Goldhammer, Leo, assignor.)
Aktiebolaget Facit. (See Annerén, R. E., and Carlström, assignors.)
Allis-Chalmers Manufacturing Company. (See Winograd, Harold, assignor.)
All-Steel-Equip Company. (See Knell, John, assignor.)
Allyn, Robert S. (See Harvey, James W., assignor.)
Alsaker, Alfred, and J. Rah, assignors to Delta-Star Electric Company, Chicago, Ill. Electrical rail bond. 2,068,639; Jan. 26.
Aluminum Company of America. (See Smith, James N., assignor.)
American Agricultural Chemical Company, The. (See Hagood, Johnson, assignor.)
American Arch Company. (See Mannshardt, Hans A., assignor.)
American Car and Foundry Company. (See Duwer, Herbert D., assignor.)
American Car and Foundry Company. (See Euwer, Herbert D., assignor.)
American Car and Foundry Company. (See Seiler, John D., assignor.)
American Laundry Machinery Company, The. (See Dewey, James M., assignor.)
American Locomotive Company. (See Blunt, James G., assignor.)
American Meter Company. (See Diehl, John C., assignor.)
American Radiator Company. (See Woolley, Clarence M., assignor.)
American Reenforced Paper Company. (See Gibbs, George E., assignor.)
American Telephone and Telegraph Company. (See Bacon, Walter M., assignor.)
American Telephone and Telegraph Company. (See Labaugh, James M., assignor.)
Amos, William, Detroit, Mich. Soldering iron. 2,068,728; Jan. 26.
Anderson, Alf E., Milton, Mass. Circuit controlling apparatus. 2,068,898; Jan. 26.
Anderson, Carl G., Boston, Mass. Apparatus for printing on glass and the like. 2,068,649; Jan. 26.
Anderson, Elmer A., Moorhead, Minn. Window sash balance. 2,069,025; Jan. 26.
Anderson, Walter A., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Duplex adding machine. 2,068,650; Jan. 26.
Anderson, William S., assignor to Shoe Press Corporation, Philadelphia, Pa. Sole plate for shoe presses. 2,069,055; Jan. 26.
Ann Arbor Machine Company. (See MacDonald, Raymore D., assignor.)
Annerén, Rolf E., and Bengt Carlström, assignors to Aktiebolaget Facit, Atvidaberg, Sweden. Calculating machine. 2,068,899; Jan. 26.
Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Cooking vessel. 2,069,125; Jan. 26.
Arañó-Pratmarsó, Alberto, Barcelona, Spain. Flexible centrifugal pot for spinning or doubling all kinds of fibers and device for discharging it. 2,068,815; Jan. 26.
Archibald, Francis M. (See Rosen, R., and Archibald.)
Arco Company, The. (See Hexter, Paul L., assignor.)
Aronson, Peter R., Millburn, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Inlet nipple screen adapter. 2,068,837; Jan. 26.
Aseltine, Fred E., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 2,068,838; Jan. 26.
Ashtabula Corrugated Box Company, The. (See Sherman, Elroy P., assignor.)
Asklund, Hjalmar, Uddevalla, Sweden. Revolving connecter. 2,069,126; Jan. 26.
Associated Electric Laboratories, Inc. (See Cox, Irvin W., assignor.)
Associated Electric Laboratories, Inc. (See Peterson, Seth, assignor.)
Associated Electric Laboratories, Inc. (See Robinson, H. C., and Bellamy, assignors.)
Atwell, Harold V., White Plains, assignor to Process Management Company, Inc., New York, N. Y. Conversion of hydrocarbon oils. 2,069,191; Jan. 26.
Auflero, Emanuel, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Horn. 2,068,900; Jan. 26.
Autogiro Company of America. (See Ray, James G., assignor.)
Ayres, Arthur U., Chestnut Hill, and N. Brewer, Lansdowne, assignors to The Sharples Specialty Company, Philadelphia, Pa. Apparatus and process for continuously removing volatile matter from a liquid. 2,068,971; Jan. 26.
Bacon, Walter M., New York, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 2,069,000; Jan. 26.
Badertscher, Dana K., assignor to Hudson Motor Car Company, Detroit, Mich. Vehicle steering mechanism. 2,068,901; Jan. 26.
Bain, Edgar C., and H. Gruber, Hanau-on-the-Main, Germany, assignors, by mesne assignments, to United States Steel Corporation. Manufacturing low carbon steel. 2,068,785; Jan. 26.
Bakelite Corporation. (See Seebach, Fritz, assignor.)
Baker, George R. (See Tunley, A. A., and Baker.)
Baker Perkins Co. Inc. (See Tunley, A. A., and Baker, assignors.)
Baker-Raulang Company, The. (See Stevenson, Herbert A., assignor.)
Balaskas, Thomas K., Clay Center, Nebr. Athletic insole. 2,068,786; Jan. 26.
Ballard, Ernest S., Berkeley, Calif. Method of and apparatus for preparing printing surfaces. 2,069,001; Jan. 26.
Balton, James, Baltimore, Md., assignor of one-fourth to J. Shapiro, Baltimore, Md., one-fourth to I. Shapiro, Chicago, Ill., one-fourth to S. Shapiro, and one-fourth to N. Shapiro, both of Chelsea, Mass. Baking plate. 2,069,026; Jan. 26.
Balton, James, Baltimore, Md., assignor of one-fourth to J. Shapiro, Baltimore, Md., one-fourth to I. Shapiro, Chicago, Ill., one-fourth to S. Shapiro, and one-fourth to N. Shapiro, both of Chelsea, Mass. Manufacturing cup pastry. 2,069,027; Jan. 26.
Bangert, Charles A., assignor to Lamneck Products, Incorporated, Columbus, Ohio. Silo door construction. 2,068,972; Jan. 26.
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrett Company, The. (See Penley, Banjamin S., assignor.)
Barrett Company, The. (See Robert, John, assignor.)
Barry, Paul, Essen-on-the-Ruhr, Germany. Stuffing box packing. 2,069,056; Jan. 26.
Basher, Geoffery, G., Bakersfield, Calif. Oil well pump. 2,068,729; Jan. 26.
Baum, Ralph. (See Pendergast, T. S., and Baum.)
Baumann, Berthold, Nuremberg, assignor to Triumph-Werke Nürnberg A.-G., Nuremberg, Germany. Typewriter. 2,068,788; Jan. 26.
Baumbauer, Allen F., and W. Culver, Long Beach, Calif., said Culver assignor to said Baubauer. Apparatus for recovery of values from aluminum. 2,068,040; Jan. 26.
Baumgartner, Otto, Bern-Bumpliz, Switzerland. Carburetor for internal combustion engines assuming various angles. 2,068,787; Jan. 26.
Beers, George L., Collingswood, N. J., assignor to Radio Corporation of America. Remote control for radio apparatus. 2,069,127; Jan. 26.
Behnke, George W., assignor to Simplicity Engineering Company, Durand, Mich. Gyrating screen. 2,068,730; Jan. 26.
Behr, Harry C. A., and J. J. Eck, assignors to Yorktown Electric Roaster Manufacturing Corporation, York, Pa. Automatic roaster. 2,069,192; Jan. 26.
Behr, Harry C. A., and J. J. Eck, assignors to Yorktown Electric Roaster Manufacturing Corporation, York, Pa. Automatic roaster. 2,069,193; Jan. 26.
Behringer, Alfred, Corona, N. Y., assignor to Speedry Gravure Corporation, New York, N. Y. Seal for ink housings of printing presses. 2,068,839; Jan. 26.
Bellamy, John I. (See Robinson, H. C., and Bellamy.)
Beltz, John S., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Cutter bar and cutter chain. 2,068,789; Jan. 26.
Beman, Ransom H., assignor to Kelvinator Corporation, Detroit, Mich. Thermostatic control mechanism. 2,069,002; Jan. 26.

Federal Telegraph Company. (See Kolster, F. A., and Byrne, assignors.)
Feeney, William H., East Providence, R. I., assignor to Brown & Sharpe Manufacturing Company. Reciprocating table drive mechanism for machine tools. 2,069,138; Jan. 26.
Ferguson, Robert, Flint, Mich. Attachment for footwear. 2,068,946; Jan. 26.
Fergusson, Charles M., Ponca City, Okla. Crank counterbalance. 2,069,031; Jan. 26.
Ferro Enamel Corporation. (See Dany, Elmer W., assignor.)
Fessler, Albra H., assignor to General Motors Corporation, Flint, Mich. Producing ceramic ware. 2,069,059; Jan. 26.
Fessler, Albra H., Flint, assignor to General Motors Corporation, Detroit, Mich. Alkali-free ceramic materials and making same. 2,069,060; Jan. 26.
File, Howard, assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Beverage production. 2,068,738; Jan. 26.
Finch, William G. H., New York, N. Y. Synchronizing system; 2,069,061; Jan. 26.
Firestone Steel Products Company. (See Adams, Leland R., assignor.)
Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)
Firestone Tire & Rubber Company. (See Whittenberg, John E., assignor.)
Firma Osnabrücker Kupfer-und Drahtwerk. (See Raydt, U., Hanser, and Venzlaff, assignors.)
Firstel, Joseph W. (See La Douce, John, assignor.)
Fischer, Aaron. (See Goldman, L. E., and Fischer.)
Fischer, Paul E., Sheldahl, Iowa. Rail straightening implement. 2,068,667; Jan. 26.
Fisher, Alfred J. and E. G. Simpson, assignors to General Motors Corporation, Detroit, Mich. Division molding assembly for a windshield. 2,069,032; Jan. 26.
Fisher, Gerald M., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Preventing corrosion in oil stills. 2,068,979; Jan. 26.
Fisher, Herman G., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y. Mechanical toy. 2,069,181; Jan. 26.
Fisher-Price Toys, Inc. (See Fisher, Herman G., assignor.)
"5" Spot Short Range Gun Clubs of America, Inc., The. (See Preece, Fred W., assignor.)
Flather, Harry, Brisbane, assignor to Brisbane Machinery Co. (Pty.) Ltd., South Brisbane, Queensland, Australia. Grain cleaner, separator, and the like. 2,069,139; Jan. 26.
Flexible Steel Lacing Company. (See Olsen, John C., assignor.)
Foehrenbach, Arthur F., and R. F. Shoup, Canton, Ohio, and S. R. Shoup, North Bergen, N. J., assignors of one-half to Bergen Manufacturing Company, Canton, Ohio, and one-half to Shoup Voting Machine Corporation, Union City, N. J. Voting machine voting booth. 2,068,853; Jan. 26.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,068,980; Jan. 26.
Folmer Graflex Corporation, The. (See Hineline, Edson S., assignor.)
Fontana, Cesare, Genoa, Italy. Device for automatically changing transmission ratio. 2,069,007; Jan. 26.
Forberg, Trygve, New York, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Gas burner. 2,069,062; Jan. 26.
Forbes, Elizabeth C., Fallston, Md. Canning oatmeal porridge. 2,068,910; Jan. 26.
Forstrom, Edward W., and C. O. Hull, Stratford, Conn., assignors to General Electric Company. Apparatus for the manufacture of insulated wire. 2,069,087; Jan. 26.
Fowler, William H. (See Thompson, James W., assignor.)
Frais, Samuel, London, England. Pad for the shoulders of wearing apparel. 2,068,644; Jan. 26.
Francisco Auto Heater Company. (See Francisco, Charles M., assignor.)
Francisco Auto Heater Company. (See Francisco, C. M., Acton, and Lenhart, assignors.)
Francisco, Charles M., assignor to Francisco Auto Heater Company, Columbus, Ohio. Automobile heater. 2,068,740; Jan. 26.
Francisco, Charles M., F. Acton, and G. W. Lenhart, assignors to Francisco Auto Heater Company, Columbus, Ohio. Automobile heater. 2,068,739; Jan. 26.
Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel. 2,068,947; Jan. 26.
Frank, William H., and J. Messing, assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit controlling means. 2,068,668; Jan. 26.
Fraser, Philip. (See Collins, E. J., Hennessey, and Fraser.)
Frauenknecht, Hans, Genoa, Italy. Rapid recarburization of pig iron melted in a cupola furnace. 2,068,793; Jan. 26.
Freas, Samuel T., Trenton, N. J., and N. C. Bye, Philadelphia, assignors to Henry Disston & Sons, Incorporated, Tacony, Pa. Beet knife sharpening machine. 2,069,140; Jan. 26.
Freeman, Julius. (See Bowen, W. S., and Freeman.)
Freeman, Walter R., Jay, Okla., assignor to Bragg Kliesrath Corporation, South Bend, Ind. Clutch control. 2,068,948; Jan. 26.
Frey, Charles N. (See Gore, H. C., and Frey.)
Fritze, Otto. (See Rüttenauer, A., and Fritze.)
Frolich, Per K., Roselle, N. J., assignor to Standard Oil Development Company. Treating oxygenated organic compounds. 2,068,854; Jan. 26.
Furlong, Walter G., Cleveland Heights, Ohio. Connecting metallic and nonmetallic members. 2,069,141; Jan. 26.
G. & W. Electric Specialty Company. (See Thullen, Louis H., assignor.)
Garceau, Harry J. (See Lyman, K. E., and Garceau.)
Gavriles, Pete, Laurel, Md. Combination faucet. 2,068,794; Jan. 26.
Geffcken, Heinrich H., Naunhof, near Leipzig, and H. R. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y. Gas-filled discharge tube. 2,068,741; Jan. 26.
Gemmer Manufacturing Company. (See Hammond, C. F., Jr., and Pulleyblank, assignors.)
Gemmer Manufacturing Company. (See Hokansson, Karl B., assignor.)
General Aniline Works, Inc. (See Herdieckerhoff, E., and Tschunkur, assignors.)
General Aniline Works, Inc. (See Koeberle, J., and Schlichting, assignors.)
General Aniline Works, Inc. (See Laska, L., Haller, and Werdermann, assignors.)
General Aniline Works, Inc. (See Schnitzspahn, K., and Jörg, assignors.)
General Aniline Works, Inc. (See Schulthels, W., and Langbein, assignors.)
General Electric Company. (See Donovan, J. F., and Malloy, assignors.)
General Electric Company. (See Forstrom, E. W., and Hull, assignors.)
General Electric Company. (See Michelsen, G. Eberhard, assignor.)
General Electric Company. (See Rudd, Frank H., assignor.)
General Electric Company. (See Rüttenauer, A., and Fritze, assignors.)
General Electric Company. (See Setoguchi, Kazuo, assignor.)
General Electric Company. (See Walle, Ludwig, S., assignor.)
General Motors Corporation. (See Aseltine, Fred E., assignor.)
General Motors Corporation. (See Fessler, Albra H., assignor.)
General Motors Corporation. (See Fisher, A. J., and Simpson, assignors.)
General Motors Corporation. (See Miller, Ralph K., assignor.)
General Motors Corporation. (See Rabezzana, Hector, assignor.)
General Motors Corporation. (See Tenney, P. L., and Rasmussen, assignors.)
General Motors Corporation. (See Webb, Hartwell W., assignor.)
General Plastics, Inc. (See Dent, H. M., Hall, and Sontag, assignors.)
General Railway Signal Company. (See Brown, Ned C. L., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See Bushnell, C. S., and Brixner, assignors.)
General Railway Signal Company. (See Dicke, Oscar H., assignor.)
General Railway Signal Company. (See Hailes, William D., assignor.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
General Railway Signal Company. (See Mackey, Stuart J., assignor.)
General Railway Signal Company. (See Merkel, Joseph F., assignor.)
General Railway Signal Company. (See Phinney, Robert M., assignor.)
General Railway Signal Company. (See Powell, Winfred T., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Railway Signal Company. (See Smith, P. W., and Bushnell, assignors.)
Gesellschaft fur Förderanlagen Ernst Heckel mit beschränkter Haftung. (See Vohmann, F., and Trümpelmann, assignors.)
Geske, Carl, and G. E. De Voe, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Refrigerator latch. 2,069,088; Jan. 26.
Gibbs, George E., assignor to American Reenforced Paper Company, Attleboro, Mass. Finishing composite paper sheet material. 2,069,063; Jan. 26.
Gibson Patent Containers, Ltd. (See Powell, Henry K.)
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Gleick, Michael E., Archbald, Pa. Apparatus for increasing the intensity of flaming arcs. 2,068,795; Jan. 26.
Gnadinger, Charles B., Minneapolis, Minn. Insecticide. 2,068,742; Jan. 26.

Goetz, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Indicating mechanism. 2,068,669; Jan. 26.
Goetz, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Automatic mixer control system. 2,068,670; Jan. 26.
Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic shutter. 2,068,911; Jan. 26.
Goldman, Lawrence E., St. Louis, and Aaron Fischer, St. Louis County, assignors to Midwest Consultants, Inc., St. Louis, Mo. Infant's feeding cup. 2,069,089; Jan. 26.
Goodman Manufacturing Company. (See Housman, John S., assignor.)
Goodman Manufacturing Company. (See Jones, Louis F., assignor.)
Goodwin, Albert H., Kettering, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,068,671; Jan. 26.
Gore, Herbert C., and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Syrup. 2,069,064; Jan. 26.
Graebner, Otto F., Detroit, Mich., assignor to The Murray Corporation of America. Listing. 2,068,912; Jan. 26.
Graenacher, Charles, and R. Sallmann, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Condensation product of low sulphonation applicable as a size. 2,068,796; Jan. 26.
Grant, Harry C., Jr., New York, N. Y., assignor to Walter Kiddle & Company, Inc., Bloomfield, N. J. Regulated voltage system for detecting suspended matter in fluids. 2,069,160; Jan. 26.
Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Sorting articles. 2,068,797; Jan. 26.
Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Glass building block. 2,068,798; Jan. 26.
Green, Warren T., assignor to Mengel Body Company, Incorporated, Louisville, Ky. Table slide. 2,068,743; Jan. 26.
Gregg, Hendrick J., Waterloo, Iowa. Centrifugal quenching. 2,068,913; Jan. 26.
Griswold, Robert G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Gas transportation system. 2,069,161; Jan. 26.
Groene, William F., W. R. Meyer, and G. W. Luning, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Machine tool. 2,069,107; Jan. 26.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Tank flush valve—ball type. 2,068,672; Jan. 26.
Gruber, Herbert. (See Bain, E. C., and Gruber.)
Grunig, Bernhard C. (See Tratsch, W. A., and Grunig.)
Guenther, Rudolph R., Bethlehem, Pa. Paper bottle. 2,069,033; Jan. 26.
Guiberson Corporation, The. (See Crickmer, Charles S., assignor.)
Guthrie, James M. (See Brent, G. F., assignor, and Guthrie.)
Gutzke, Walther, Berlin, Germany. Piezo electrical pressure measuring device. 2,068,744; Jan. 26.
Guyer, Edwin M., assignor to Corning Glass Works, Corning, N. Y. Tempering glass. 2,068,799; Jan. 26.
Haberfeld, Erwin O., Berlin-Weissensee, Germany. Manifold bookkeeping leaf. 2,069,142; Jan. 26.
Hagood, Johnson, Avenel, assignor to The American Agricultural Chemical Company, Newark, N. J. Mineral concentration. 2,069,182; Jan. 26.
Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,069,162; Jan. 26.
Hale, Frank C., and R. Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom. 2,068,673; Jan. 26.
Hale, Frank C., and R. Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom. 2,068,855; Jan. 26.
Halferdahl, Arthur C. (See Carrie, G. M., Craig, Lathe, and Halferdahl.)
Hall, Sydney H. (See Dent, H. M., Hall, and Sontag.)
Hall, Walter, assignor of one-half to J. M. O'Meara, Los Angeles, Calif. Power tool. 2,068,745; Jan. 26.
Haliden, Frederick G., Bellrose, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Remote control of printer motors. 2,068,949; Jan. 26.
Haller, Oskar. (See Laska, L. Haller, and Werdermann.)
Halowax Corporation. (See Hanson, E. R., and Brown, assignors.)
Hamilton, F. A. (See Myron, William P., assignor.)
Hamilton, Frederick, Glocester, R. I. Optical educational device. 2,068,950; Jan. 26.
Hammond, Charles F., Jr., and H. E. Pulleyblank, assignors to Gemmer Manufacturing Company, Detroit, Mich. Worm gear adjustment for steering gears. 2,069,143; Jan. 26.
Hand, John L. H., Bala-Cynwyd, Pa. Compass. 2,069,065; Jan. 26.
Handley, John, London, England. Ticket printing and issuing machine for totalizators. 2,068,914; Jan. 26.
Hanny, Charles E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Automatic fountain waterer. 2,068,981; Jan. 26.

Hansen, Hans A., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,068,951; Jan. 26.
Hanser, Kalaus. (See Raydt, U., Hanser, and Venzlaff.)
Hanson, Ernest R., Bloomfield, and S. Brown, Montclair, N. J., assignors to Halowax Corporation, New York, N. Y. Light colored highly halogenated naphthalene and producing same. 2,069,183; Jan. 26.
Harbour, Albert S., Pontiac, Mich. Pedal pad. 2,069,066; Jan. 26.
Hardin, Gordon D., Louisville, Ky. Drill grinding appliance. 2,068,915; Jan. 26.
Harding, William H. (See Butler, M. R., and Harding.)
Hardy, Russel L. (See Hulse, R. E., and Hardy.)
Hartford-Empire Company. (See Merrill, Donald G., assignor.)
Hartford-Empire Company. (See Mulholland, Vergil, assignor.)
Harvey, Claire H. (See Harvey, Henry S., assignor.)
Harvey, Henry S., assignor to C. H. Harvey, Palm Beach, Fla. Door hanger and track. 2,068,674; Jan. 26.
Harvey, James W., Readfield, Maine, assignor to R. S. Allyn, New York, N. Y. Outboard motor bracket for canoes, etc. 2,068,982; Jan. 26.
Haskell, Robert J., Washington, D. C. Curtain rod holder. 2,069,144; Jan. 26.
Hasler A.-G. vormals Telegraphenwerkstätte von G. Hasler. (See Kohler, Ulrich, assignor.)
Hastings, Herbert, and W. B. Connolly, assignors to Rochester Manufacturing Co., Inc., Rochester, N. Y. Liquid vaporizing and air humidifying apparatus. 2,069,145; Jan. 26.
Haupt, Wilhelm, Dortmund-Horde, Germany. Roadway bridge connection. 2,069,146; Jan. 26.
Hawkinson, Paul E., Minneapolis, Minn. Tire retread and producing and applying the same. 2,069,090; Jan. 26.
Hayes, Ernest E., Delta, Colo. Furrow opener. 2,069,147; Jan. 26.
Hazard, Charles S., assignor to Neptune Meter Company, New York, N. Y. Computing apparatus. 2,069,184; Jan. 26.
Heinzl, Hans. (See Urbanek, J., and Heinzl.)
Heitger, Frank H., Flint, Mich., M. G. Heitger, Flint, Mich., administratrix of said F. H. Heitger, deceased, assignor to Bendix Products Corporation, South Bend, Ind. Thermostatic by-pass riser. 2,068,952; Jan. 26.
Heitger, Mattie G., administratrix. (See Heitger, Frank H.)
Heller, Richard D., Boise, Idaho. (Method of and apparatus for manufacturing screens. 2,068,675; Jan. 26.
Hemphill Company. (See Lawson, Robert H., assignor.)
Henderson, Albert, Pittsburgh, Pa. Pocket smoking kit. 2,068,983; Jan. 26.
Henecka, Hans. (See Schönhöfer, F., and Henecka.)
Hennessey, Milton. (See Collins, E. J., Hennessey, and Fraser.)
Henneuse, Clarence A., Bucyrus, Ohio. Crawler wheel. 2,068,645; Jan. 26.
Heppenstall, Thomas A., Cheshire, England, assignor to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 2,068,916; Jan. 26.
Herdieckerhoff, Ernst, Opladen, and E. Tschunkur, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Indol sulphonic acids. 2,068,800; Jan. 26.
Herz Cup Corporation. (See Conti, Eugene, assignor.)
Hexter, Paul L., assignor to The Arco Company, Cleveland, Ohio. Color mixing machine. 2,068,646; Jan. 26.
Heyden Chemical Corporation. (See Brandenberg, Walter, assignor.)
Hibbert, Harold, Montreal, and G. H. Tomlinson, Jr., Westmount, assignors to Howard Smith Chemicals Limited, Montreal, Quebec, Canada. Manufacture of vanillin from waste sulphite pulp liquor. 2,069,185; Jan. 26.
Hibner, De Los E., Jr., DuBois, Pa., assignor to Vulcan Soot Blower Corporation. Bearing device for soot blower elements. 2,069,163; Jan. 26.
Hickman, Albert F., assignor to Hickman Pneumatic Seat Company, Inc., Eden, N. Y. Vehicle spring suspension. 2,068,676; Jan. 26.
Hickman Pneumatic Seat Company. (See Hickman, Albert F., assignor.)
Hicks, William J., Madison, Wis. Bunion and corn protector. 2,069,034; Jan. 26.
Higham, William W., assignor to Universal Cooler Corporation, Detroit, Mich. Refrigerating system. 2,068,677; Jan. 26.
Hill, C. V., and Company. (See Hoffman, Cyrus F., assignor.)
Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Copying camera equipment unit and film magazine used therewith but also constituting a distinct unit. 2,069,186; Jan. 26.
Hinsey, Robert S., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for case hardening glass. 2,068,746; Jan. 26.
Hoadley, Raymond H., Bronx, N. Y. Injection valve tip. 2,068,678; Jan. 26.
Hoesel, Anthony F. (See Kritzer, R. W., and Hoesel.)
Hoffman, Cyrus F., assignor to C. V. Hill and Company, Incorporated, Trenton, N. J. Adjustable shelf. 2,069,067; Jan. 26.

Hoffman-La Roche Inc. (See Preiswerk, Ernst, assignor.)
Hohmann, Joseph B., Jacksonville, Ore. Combined anti-slipping milk pail and cowtail holder. 2,068,647; Jan. 26.
Hokanson, Martin, assignor to Eldco, Inc., Duluth, Minn. Refrigerator ice rack. 2,069,148; Jan. 26.
Hokanson, Martin, assignor to Eldco, Inc., Duluth, Minn. Refrigerator. 2,069,149; Jan. 26.
Hokansson, Karl B., assignor to Gemmer Manufacturing Company, Detroit, Mich. Worm gear adjustment for steering gears. 2,068,679; Jan. 26.
Holder, Leonard H., Washington, D. C. Roof cooling device. 2,069,150; Jan. 26.
Holland, James, Los Angeles, Calif. Portable door latch. 2,068,680; Jan. 26.
Holland Shoe Company. (See Marcus, Tien, assignor.)
Hollmann, Franz, assignor to Otto Heinrich Drager, Lubeck, Germany. Device for detecting the presence of foreign gases or suspensions in air or other gas. 2,069,035; Jan. 26.
Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Borosilicate glass containing cerium. 2,068,801; Jan. 26.
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Making wheels. 2,069,068; Jan. 26.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Valve for motor vehicle suction lines. 2,069,069; Jan. 26.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner motor. 2,069,070; Jan. 26.
Horton, Verne K. (See Patten, Clarence O., assignor.)
Housman, John S., assignor to Goodman Manufacturing Company, Chicago, Ill. Material gathering and loading machine. 2,069,091; Jan. 26.
Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Combined still and coil cracking. 2,068,856; Jan. 26.
Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Motor fuel blend and making the same. 2,068,857; Jan. 26.
Howard, Jerome W., Detroit, Mich. Manufacture of nuts. 2,069,008; Jan. 26.
Howard, William, Jr., Santiago, Chile. Fumigating cover for a contaminated mattress. 2,069,036; Jan. 26.
Hudson Motor Car Company. (See Badertscher, Dana K., assignor.)
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Triangular socket joint. 2,068,917; Jan. 26.
Hughes-Mitchell Processes, Incorporated. (See Mitchell, Thomas A., assignor.)
Hull, Clifford O. (See Forestrom, E. W., and Hull.)
Hulse, Robert E., and R. L. Hardy, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Apparatus for the production of light metals. 2,068,681; Jan. 26.
Humphrey, Carroll L., deceased, late of Highland Park, Mich., by Vivian Humphrey, administratrix, Highland Park, Mich., assignor to Chrysler Corporation. Internal combustion engine mounting. 2,068,747; Jan. 26.
Humphrey, Vivian, administratrix. (See Humphrey, Carrol L.)
Hunt, J. Harold, Lansing, and A. S. Van Halteren, East Lansing, assignors to Motor Wheel Corporation, Lansing, Mich. Brake drum. 2,069,071; Jan. 26.
Hygrade Sylvania Corporation. (See Cox, James L., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Rumpf, and Donath, assignors.)
Ingalls Iron Works Company. (See Leigh, Alfred C., assignor.)
Ingersoll-Rand Company. (See Kleir, Elmer E., assignor.)
Ingraham, E., Company, The. (See Ciccarelli, Ostilio, assignor.)
International Standard Electric Corporation. (See Haliden, Frederick G., assignor.)
Ioannu, John P., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Reclaiming rubber. 2,069,151; Jan. 26.
Jackson, George H., Jr., Evanston, Ill. Diaper. 2,069,092; Jan. 26.
Jackson, William H., Canton, Ohio, and A. W. Edmond, Hyattsville, Md. Closure for collapsible tubes. 2,069,009; Jan. 26.
Jedlicka, Anton G., Minneapolis, Minn. Convertible jar closure. 2,069,033; Jan. 26.
Jeffrey Manufacturing Company, The. (See Beltz, John S., assignor.)
Jeffrey Manufacturing Company, The. (See Dunlop, Robert R., assignor.)
Jeffrey Manufacturing Company, The. (See Jeffrey, Robert K., assignor.)
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jeffrey, Robert K., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cutter chain. 2,068,802; Jan. 26.
Jeffrey, Robert K., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cutter mechanism. 2,068,985; Jan. 26.
Jeffrey, Robert K., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Cutter chain and bar. 2,068,984; Jan. 26.
Johnson, James P., Shaker Heights, Ohio. Vacuum pump. 2,068,803; Jan. 26.
Johnson, James R., assignor to The Palmer Brothers Company, New London, Conn. Matress cover and making the same. 2,069,072; Jan. 26.
Jones, Homer W., Williamsville, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Filtering nipple. 2,068,858; Jan. 26.
Jones, Louis F., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding head for shaker or jigging conveyers. 2,068,953; Jan. 26.
Jones, William, Linden, J. Sharp, Elizabeth, and W. H. Boehm, Roselle Park, N. J., assignors to Standard Oil Development Company. Floating pump plunger. 2,068,859; Jan. 26.
Jörg, Paul. (See Shnitzpahn, K., and Jörg.)
Kägi, Emil, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Rotary piston machine. 2,068,918; Jan. 26.
Kapella Limited. (See Taylor, William, assignor.)
Kaplan, Michael J., Atlantic County, N. J. Pipe coupling. 2,068,648; Jan. 26.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Harness for cross weaving. 2,068,986; Jan. 26.
Kedzie, Donald H., assignor to A. L. Snuffer, Phoenix, Ariz. Natural gas dispenser. 2,068,804; Jan. 26.
Keefe, Lincoln M., Springfield, Mass. Relay winding. 2,068,682; Jan. 26.
Kelvinator Corporation. (See Beman, Ransom H., assignor.)
Kerr, Horace J. B., Millersburg, Pa. Machine for cutting seed potatoes. 2,069,010; Jan. 26.
Kerr, Robert H. (See Waters, H. H., and Kerr.)
Ketcham, Frank, Dearborn, and G. E. Dunn, Detroit, Mich., assignors to The Universal Products Company, Inc. Mechanism for assembling bearings. 2,068,683; Jan. 26.
Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Organo-mercury 1,2-aliphatic-diamine sulphites, and producing them. 2,069,165; Jan. 26.
Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Organo-mercury derivatives of 1,2-aliphatic-diamine thiosulphates and producing them. 2,069,166; Jan. 26.
Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. 1,2-aliphatic-diamine thiosulphates and preparing them. 2,069,167; Jan. 26.
Kiddle, Walter & Company. (See Grant, Harry C., Jr., assignor.)
King, William C., Jr., Pittsburgh, Pa. Dissipating fog. 2,068,987; Jan. 26.
Kirk, John A., Detroit, Mich. Vaginal irrigating appliance. 2,069,168; Jan. 26.
Kleir, Elmer E., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Thermo-compressor. 2,068,748; Jan. 26.
Kliesrath, Victor W., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Control mechanism. 2,068,954; Jan. 26.
Klinkhamer, Hendrik A. W., assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Direct current welding apparatus. 2,068,883; Jan. 26.
Knell, John, assignor to All-Steel-Equip Company, Aurora, Ill. Outlet box. 2,068,988; Jan. 26.
Kochs, Theo. A., Company. (See Bestler, John W., assignor.)
Koeberle, Karl, and O. Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphonic acids of anthrapyrimidines. 2,068,989; Jan. 26.
Koehlreuter, Sidney. (See Scheibinger, A., and Koehlreuter.)
Kögel, Gustav, Baden-Baden, Germany. Production of sound records. 2,068,919; Jan. 26.
Kohler, Ulrich, assignor to Hasler-A.-G. vormals Telegraphenwerkstätte von G. Hasler, Bern, Switzerland. Recording tachometer. 2,069,152; Jan. 26.
Kolster, Frederick A., New York, N. Y., assignor to Federal Telegraph Company, Newark, N. J. High frequency apparatus. 2,068,991; Jan. 26.
Kolster, Frederick A., New York, N. Y., and P. F. Byrne, West Caldwell, N. J., assignors to Federal Telegraph Company, Newark, N. J. High frequency oscillation generator. 2,068,990; Jan. 26.
Konkle, Walter R., assignor to Decker Screw Products Company, Albion, Mich. Making lubrication fittings. 2,0699,153; Jan. 26.
Krause, August L. (See Bennett, A. F., and Krause.)
Kravitz, Irving, Brooklyn, N. Y. Pattern drafting and grading chart. 2,068,684; Jan. 26.
Kraybill, Henry R., La Fayette, assignor to Purdue Research Foundation, West Lafayette, Ind. Converting soy-bean oil, and of obtaining lecithin. 2,069,187; Jan. 26.
Kritzer, Richard W., and A. F. Hoesel, Chicago, Ill. Refrigerating coil. 2,068,955; Jan. 26.
Krohs, Walter. (See Bockmühl, M., and Krohs.)
Kruse, Harold, North Arlington, N. J. Low air pressure warning device. 2,069,154; Jan. 26.
Kuhlman, Arthur L., Bay City, Mich. Tool attachment. 2,069,108; Jan. 26.
Labaugh, James M., Paterson, N. J., assignor to American Telephone and Telegraph Company. Telephone subscriber's substation. 2,069,038; Jan. 26.
La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,068,956; Jan. 26.

La Douce, John, assignor of one-half to Joseph W. Firstel, Saginaw, Mich. Combination salt and pepper shaker. 2,068,749; Jan. 26.
Lagache, André. (See Sarazin, R., and Lagache.)
Lambert, Victor E. (See de la Minardiere, J. G., Laurin, and Lambert.)
Lamneck Products, Incorporated. (See Bangert, Charles A., assignor.)
Langbein, Gerhard. (See Schultheis, W., and Langbein.)
Langille, Wilfred O., Chester, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Casing and supporting foot structure. 2,068,920; Jan. 26.
Langley, John E., Brooklyn, N. Y. Shoe construction. 2,068,860; Jan. 26.
Langmyhr, George J., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Cleaner for tubes and the like. 2,068,861; Jan. 26.
Lansing, Edward S., assignor of one-half to Osborne A. Bryan, Detroit, Mich. Transmission of sound currents. 2,068,685; Jan. 26.
Lapointe, Francis J., Ann Arbor, Mich. Broaching machine. 2,068,884; Jan. 26.
Larsh, Everett P., assignor to The Master Electric Company, Dayton, Ohio. Vibrating machine. 2,068,992; Jan. 26.
Lascroux, Joseph L., Marseille, France. Apparatus for silencing the exhaust of internal combustion engines. 2,068,686; Jan. 26.
Laska, Leopold, and O. Haller, Offenbach-on-the-Main, and Arthur Werdermann, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Arylamino-hydroxybenzenes, 2,069,039; Jan. 26.
Lathe, Frank E. (See Carrie, G. M., Criag, Lathe, and Halferdahl.)
Laucks, I. F., Inc. (See Lindquist, George F., assignor.)
Laurin, Jean E. (See de la Minardiere, J. G., Laurin, and Lambert.)
Lawson, Robert H., Pawtucket, assignor to Heimphill Company, Central Falls, R. I. Knitting machine. 2,069,155; Jan. 26.
Leahey, Thomas F., Poughkeepsie, N. Y. Bottle closure. 2,069,093; Jan. 26.
Leahey, Thomas F., Poughkeepsie, N. Y. Device for opening shell fish. 2,069,094; Jan. 26.
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,069,169; Jan. 26.
Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Cover glass. 2,068,805; Jan. 26.
Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., Meyer, and Luning, assignors.)
Lee, Arthur L., Oakmont, Pa. Chain link connection. 2,068,862; Jan. 26.
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Internal combustion engine. 2,068,750; Jan. 26.
Leigh, Alfred C., Birmingham, Ala., assignor to Ingalls Iron Works Company. Towing fin for vessels. 2,068,921; Jan. 26.
Lenhart, George W. (See Francisco, C. M., Acton, and Lenhart.)
Lessen, Aaron H., G. H. Rowles, and C. F. Dougherty, assignors to The Shirtcraft Company, Inc., Baltimore, Md. Cloth laying machine. 2,068,806; Jan. 26.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cutter chain and cutter bar. 2,068,807; Jan. 26.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cutter chain. 2,068,808; Jan. 26.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cutter chain and cutter bar. 2,068,993; Jan. 26.
Liban, Tadeusz, Krakow, Poland. Applying metallic coatings. 2,068,687; Jan. 26.
Libbey-Owens-Ford Glass Company. (See Hinsey, Robert S., assignor.)
Libbey-Owens-Ford Glass Company. (See Watkins, G. B., and Ryan, assignors.)
Lilly, Eli, and Company. (See Kharasch, Morris S., assignor.)
Linderman, Garrett B., Jr. (See Stuart, Kimberly, assignor.)
Lindquist, George F., assignor to I. F. Laucks, Inc., Seattle, Wash. Forming assemblies. 2,069,073; Jan. 26.
Lipetz, Alphonse I., Albany, N. Y. Locomotive. 2,068,751; Jan. 26.
Lodder, William B., Syracuse, N. Y. Temperature regulating valve. 2,069,040; Jan. 26.
Loewe, Siegmund, and M. von Ardenne, Berlin, Germany, said von Ardenne, assignors to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Main operated voltage amplifier. 2,068,752; Jan. 26.
Loimann, Anton, Chemnitz, Germany. Needle bar. 2,069,109; Jan. 26.
Lord, Hugh C. (See Lord, Thomas, assignor.)
Lord, Thomas, assignor to H. C. Lord, Erie, Pa. Cushion joint. 2,068,994; Jan. 26.
Lubrication Control Corporation. (See Booth, Harry T., assignor.)
Lucas, Frank W., assignor of one-half to R. J. Wildman, Peru, Ind. Adjustable container holder. 2,069,011; Jan. 26.
Lum, James H., and R. L. Schaefer, Dayton, Ohio, assignors to Stonega Coke and Coal Company, Incorporated, Philadelphia, Pa. Carbonaceous fuel and preparing the same. 2,069,074; Jan. 26.
Luning, George W. (See Groene, W. F., Meyer, and Luning.)
Lunn, Frank M., assignor to United Dairies, (London) Limited, London, England. Bottle or like container. 2,069,075; Jan. 26.
Lunoe, Joseph, Minneapolis, Minn. Washing machine. 2,068,753; Jan. 26.
Lyman, Kenneth E., Rockford, Ill., and H. J. Garceau, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Automatic clutch. 2,068,885; Jan. 26.
Lynch Corporation. (See Bridges, Edward G., assignor.)
Lynes, Edwin R., Westford, N. Y. Vehicle jack. 2,069,012; Jan. 26.
Lyons, Edward, assignor to Parke, Davis & Company, Detroit, Mich. Hydroxy mercuri halo-fluoran. 2,069,095; Jan. 26.
MacCorquodale, Donald W., and S. A. Thayer, St. Louis, and E. A. Doisy, Webster Groves, assignors to President and Board of Trustees of St. Louis University, St. Louis, Mo. Derivatives of ovarian follicular hormones and obtaining same. 2,069,096; Jan. 26.
MacDonald, Raymore D., assignor to Ann Arbor Machine Company, Shelbyville, Ill. Combine baler. 2,068,886; Jan. 26.
Mackey, Stuart J., assignor to General Railway Signal Company, Rochester, N. Y. Car retarder for railroads. 2,068,754; Jan. 26.
Maeder, Frederic, Adelaide, South Australia, Australia. Permanent waving hair. 2,068,809; Jan. 26.
Majewski, Stanley, Glendale, Long Island, N. Y. Spray device. 2,069,076; Jan. 26.
Mallina, Rudolph F., Atlantic City, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Method of and apparatus for manipulating articles such as talking machine or phonograph records. 2,069,041; Jan. 26.
Malloy, Frank J. (See Donovan, John F., and Malloy.)
Manhattan Company, President and Directors, trustee. (See Powell, Henry K., assignor.)
Mannshardt, Hans A., Elmhurst, assignor to American Arch Company, Inc., New York, N. Y. Sectionally supported wall. 2,068,863; Jan. 26.
Marchand, Adolph, Jackson Heights, N. Y. Handle construction. 2,068,922; Jan. 26.
Marchant, Lloyd D., Detroit, Mich. Automatic punching and riveting machine. 2,069,042; Jan. 26.
Marcus, Tien, assignor to Holland Shoe Company, Holland, Mich. Shoe jack. 2,068,957; Jan. 26.
Master Electric Company. (See Larsh, Everett P., assignor.)
McCausland, Wallace, and C. W. Stephen, Bridgeport, Conn., assignors to Reading-Pratt & Cady Company, Inc. Lubricated valve. 2,068,810; Jan. 26.
McConkey, Montgomery W., assignor to Bendix Research Corporation, South Bend, Ind. Brake. 2,068,958; Jan. 26.
McConkey, Montgomery W., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,068,959; Jan. 26.
McCrory, Max G., Steubenville, Ohio. Riding boot. 2,068,811; Jan. 26.
McGill Manufacturing Company. (See Popp, Rudolf, assignor.)
McGill, William J., Alton, assignor to Standard Oil Company, Chicago, Ill. Refining mineral lubricating oils. 2,069,170; Jan. 26.
McGrath, William L. (See Walker, L. R., Doyle, and McGrath.)
McMann, Warren R., New York, N. Y. Continuous came glazing. 2,069,188; Jan. 26.
Mengel Body Company. (See Green, Warren T., assignor.)
Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,069,171; Jan. 26.
Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for annealing glassware. 2,068,923; Jan. 26.
Messing, Joseph. (See Frank, W. H., and Messing.)
Metal Carbides Corporation et al. (See De Bats, Jean, H. L., assignor.)
Meyer, Walter R. (See Groene, W. F., Meyer, and Lüning.)
Meyers, Wayne D., Harrisburg, Pa., assignor of one-third to M. E. Coover, Carlisle, Pa. Tire chain applying tool. 2,068,887; Jan. 26.
Michelsen, G. Eberhard, Fort Wayne, Ind., assignor to General Electric Company. Two-speed capacitor motor. 2,069,077; Jan. 26.
Midwest Consultants, Inc. (See Goldman, L. E., and Fischer, assignors.)
Miller, Clarke C., Wood River, assignor to Standard Oil Company, Chicago, Ill. Separation of gases. 2,069,172; Jan. 26.
Miller, Clarke C., Wood River, assignor to Standard Oil Company, Chicago, Ill. Refining hydrocarbon gases. 2,069,173; Jan. 26.
Miller, John H., Chicago, Ill. Rack for floor coverings and the like. 2,068,755; Jan. 26.

Miller, Julien C., assignor to Paducah Box & Basket Co., Inc., Paducah, Ky. Shipping container. 2,068,812; Jan. 26.
Miller, Max C., Cumberland, R. I. Knitting machine. 2,068,688; Jan. 26.
Miller, Ralph K., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,068,689; Jan. 26.
Miller, Stuart P., Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y. Interlocking shingle. 2,068,756; Jan. 26.
Miller, William M., Perry, Iowa. Poppet valve clearance indicating caliper. 2,069,043; Jan 26.
Millie Patent Holding Co. Inc. (See Wichulski, J., and Pizzolanella, assignors.)
Mishelle, Victor, Los Angeles, Calif. Automatic back cleaner and massager. 2,068,757; Jan. 26.
Mitchell Camera Company. (See Petersen, Niels G., assignor.)
Mitchell, T. A., Inglewood, Calif., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Recovering compounds from zinc and lead ores. 2,068,690; Jan. 26.
Molyneux-Seel, Winefryde M. A., Paris, France. Lady's corselet and like underwear. 2,069,014; Jan. 26.
Moore, Helen, administratrix. (See Pedery, J., and Moore.)
Moore, Robert H. (See Pedery, Joseph, assignor.)
Morey, Willis R., assignor to The Vanlite Products Inc., Washington, D. C. Combined cigarette and vanity case. 2,068,813; Jan. 26.
Mossberg Pressed Steel Corporation. (See Pearson, Arvid F., assignor.)
Motor Products Corporation. (See Thunder, Harold G., assignor.)
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Motor Wheel Corporation. (See Hunt, J. H. and Van Halteren, assignors.)
Mousley, Norman K., Birmingham, England. Fluid flow control valve. 2,068,814; Jan. 26.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Regenerator tank and operating the same. 2,068,924; Jan. 26.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass making apparatus and method. 2,068,925; Jan. 26.
Mumper, Harry A., Mechanicsburg, Pa. Rail joint. 2,068,758; Jan. 26.
Murphy, Thomas J., Stamford, Conn. Arcing apparatus. 2,068,691; Jan. 26.
Murray Corporation of America, The. (See Graebner, Otto F., assignor.)
Murray, Frederick F., Oil City, Pa. Diesel driven locomotive. 2,068,864; Jan. 26.
Myron, William P., assignor to F. A. Hamilton, San Francisco, Calif. Device for treating stupes and the like. 2,068,692; Jan. 26.
Naamlooze Vennootschap IJzerhandel I. M. de Vries. (See de Vries, Abraham, assignor.)
Naus, Theodore, Ionia, Mich. Traveling sign. 2,069,110; Jan. 26.
Neptune Meter Company. (See Hazard, Charles S., assignor.)
Neuhausen, Sebastian P., assignor to Stampit Corporation, Lombard, Ill. Animal trap. 2,068,865; Jan. 26.
Nevin, James V., Aberdeen, Wash. Making plywood. 2,068,759; Jan. 26.
Nevin, James V., Aberdeen, Wash. Making artificial lumber. 2,068,926; Jan. 26.
Nevin, Mendel, assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y. Hypodermic syringe. 2,068,927; Jan. 26.
Newell, Robert E., Irwin, and M. S. Unger, Greensburg, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Dial assembly. 2,068,693; Jan .26.
Newton, Arthur J., Bishopsway, Andover, England. Sretcher for garments. 2,069,015; Jan. 26.
Newton, Roy W., Coilingwood, near Melbourne, Victoria, assignor to Patent Holdings Proprietary Limited, Melbourne, Australia. Windshield wiper motor. 2,069,016; Jan. 26.
Nicolas, Paul. (See Chireix, H., and Nicolas.)
Nielsen, Christian, Klampenborg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Air-swept grinding mill. 2,069,174; Jan. 26.
Nordstrom, Sven J., Piedmont, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Plug valve. 2,069,013; Jan. 26.
Northrup, Charles R. and R. C. Northrup, Ozone Park, N. Y. Automobile luggage carrier. 2,068,960; Jan. 26.
Northrup, Robert C. (See Northrup, Charles R., and Robert C.)
Northwestern Barb Wire Company. (See Bradley, Albert F., assignor.)
Norton Company. (See Sanford, Baalis, assignor.)
Novocol Chemical Mfg. Co. Inc. (See Nevin, Mendel, assignor.)
Ohio Brass Company, The. (See Bovard, Floyd G., assignor.)
Okonite Company, The. (See Wiseman, Robert J., assignor.)
Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt end fastener. 2,069,111; Jan. 26.
Olson, Raymond W., Providence, R. I., assignor to Excell Manufacturing Company. Hat ornament. 2,068,760; Jan. 26.
O'Meara, J. Michael. (See Hall, Walter, assignor.)
Oppenheim, Sally, Erfurt, Germany. Device for treating the tooth-root membranes. 2,069,112; Jan. 26.
P. I. V. Chain Gears Limited. (See Abbott, Geoffrey J., assignor.)
Paducah Box & Basket Co. (See Miller, Julien C., assignor.)
Palmer Brothers Company, The. (See Johnson, James R., assignor.)
Paolillo, Salvatore, assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Door stop or check. 2,068,928; Jan. 26.
Parke, Davis & Company. (See Lyons, Edward, assignor.)
Parker, Malcolm W., Clifton Hill, Victoria, Australia, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel fastening means. 2,068,694; Jan. 26.
Parsons, Ralph M., assignor to The Ralph M. Parsons Company, Mount Vernon, Ohio. Remote control system for oil cracking plants. 2,068,695; Jan. 26.
Parsons, Ralph M., assignor to The Ralph M. Parsons Company, Mount Vernon, Ohio. Gauge line purging system for oil cracking plants. 2,068,696; Jan. 26.
Parsons, Ralph M., Company, The. (See Parsons, Ralph M., assignor.)
Patent Holdings Proprietary Limited. (See Newton, Roy W., assignor.)
Patten, Clarence O., Keyes, Calif., assignor of one-half to V. K. Horton, Modesto, Calif. Stanchion assembly. 2,068,888; Jan. 26.
Pearson, Arvid F., Cranston, R. I., assignor to Mossberg Pressed Steel Corporation. Swift. 2,069,114; Jan. 26.
Pedersen, Niels, Drexel Park, assignor of one-half to S. Spielman, Philadelphia, Pa. Pinking attachment for sewing machines. 2,069,113; Jan. 26.
Pedery, Joseph and R. H. Moore, New York, N. Y., H. Moore, administratrix of said R. H. Moore, deceased, assignor to said Pedery. Tobacco pipe. 2,068,866; Jan. 26.
Peets, Wilbur J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Power-transmitter. 2,068,929; Jan. 26.
Pendergast, Thomas S., and R. Baum, assignor to Universal Cooler Corporation, Detroit, Mich. Refrigerating apparatus. 2,068,697; Jan. 26.
Penley, Benjamin S., Yeadon, Pa., assignor to The Barrett Company, New York, N. Y. Process and apparatus for producing variegated roofing. 2,068,761; Jan. 26.
Penn, William D., Dallas, Tex. Hearing aid. 2,068,698; Jan. 26.
Pennington, John V., assignor to Reed Roller Bit Company, Houston, Tex. Core drill. 2,068,762; Jan. 26.
Pennsylvania Salt Manufacturing Company. (See Ioannu, John P., assignor.)
Pestarini, Giuseppe M., Sheffield, England. High voltage electrical plant. 2,068,867; Jan. 26.
Petersen, Niels G., Los Angeles, Calif., assignor to Mitchell Camera Corporation, West Hollywood, Calif. Adjustable four-way view framing device for view finders. 2,068,699; Jan. 26.
Peterson, Seth, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Calling device. 2,068,700; Jan. 26.
Philco Radio & Television Corporation. (See Briggs, Joseph A., assignor.)
Philips, N. V., Gloeilampenfabrieken. (See Klinkhamer, Hendrik, A. W., assignor.)
Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic control system for railroads. 2,069,044; Jan. 26.
Pier, Mathias, Heidelberg, W. Rumpf, Ludwigshafen-on-the-Rhine, and E. Donath, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Thermal treatment of carbonaceous substances. 2,068,868; Jan. 26.
Pierce, John B. Foundation. (See Groeniger, William C., assignor.)
Pinsuti, Giuseppe F., New York, N. Y. Bottle stopper. 2,069,045; Jan. 26.
Pizzolanella, Michael. (See Wichulski, J., and Pizzolanella.)
Platt-Hepworth, Robert. (See Esdaile, E. W., and Platt-Hepworth.)
Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Switch mechanism. 2,068,701; Jan. 26.
Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Lamp socket. 2,068,930; Jan. 26.
Poulson, Volney A., Bronxville, N. Y. Pavement constructing. 2,068,702; Jan. 26.
Powdermaker, Frank, New York, N. Y. Bandage. 2,068,703; Jan. 26.
Powell, Henry K., Chicago, Ill., assignor, by mesne assignments, to president and directors of the Manhattan Company, trustee for Gibson Patent Containers, Ltd., New South Wales, Australia. Container. 2,068,763; Jan. 26.

Powell, Leonard E., Dallas, Tex. Well drilling and coring apparatus. 2,068,704; Jan. 26.
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,068,931; Jan. 26.
Pratt, Best, and G. F. Weinreich, assignors to Brake Equipment & Supply Company, Chicago, Ill. Oven valve. 2,068,705; Jan. 26.
Pratt, Best, and G. F. Weinreich, assignors to Brake Equipment & Supply Company, Chicago, Ill. Manifold and valve structure. 2,069,017; Jan. 26.
Pratt, Charles O., Maplewood, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Oil spray purge mechanism. 2,068,816; Jan. 26.
Preece, Fred W., assignor to The "5" Spot Short Range Gun Clubs of America, Inc., Toledo, Ohio. Target. 2,068,764; Jan. 26.
Preiswerk, Ernst, Munchenstein, near Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. Salicylic esters of acyl glycols and the manufacture of same. 2,069,175; Jan. 26.
President and Board of Trustees of St. Louis University. (See MacCorquodale, D. W., Thayer, and Doisy, assignors.)
Price, Earl R. (See Price, Harold W., and E. R.)
Price, Harold W. and E. R., assignors to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,068,961; Jan. 26.
Process Management Company. (See Atwell, Harold V., assignor.)
Pulleyblank, Harper E. (See Hammond, C. F., Jr., and Pulleyblank.)
Purdue Research Foundation. (See Krayhill, Henry R., assignor.)
Quarnstrom, Bert L., Grosse Pointe Farms, Mich. Fastening device. 2,068,932; Jan. 26.
Quinlan, Charles H., Schenectady, N. Y. Mailing tube. 2,068,765; Jan. 26.
Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug shield. 2,069,046; Jan. 26.
Radioaktiengesellschaft D. S. Loewe. (See Loewe, S., and von Ardenne, assignors.)
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Mallina, Rudolph F., assignor.)
Radio Patents Corporation. (See Geffcken, H. H., and Richter, assignors.)
Rah, Joseph. (See Alsaker, A., and Rah.)
Rangi Limited Nairobi. (See Rodwell, Kenneth E. H., assignor.)
Rasmussen, Olaf. (See Tenney, P. L., and Rasmussen.)
Rauen, Carl F., Grosse Pointe, Mich. Mechanism for power transmission. 2,068,869; Jan. 26.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 2,068,706; Jan. 26.
Ray, James G., Hatboro, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft control. 2,069,047; Jan. 26.
Rayburn, Thomas B., San Antonio, Tex. Dispensing support. 2,069,018; Jan. 26.
Raydt, Ulrich, K. Hanser, and M. Venzlaff, assignors to Firma Osnabrücker Kupfer-und Drahtwerk, Osnabruck, Germany. Copper alloy amenable to heat treatment. 2,068,817; Jan. 26.
Reading-Pratt & Cady Company. (See McCausland, W., and Stephen, assignors.)
Reardon, Harvey J., Chicago, Ill. Printing press. 2,068,707; Jan. 26.
Reconstruction Finance Corporation. (See Waters, H. H., and Kerr, assignors.)
Reed Roller Bit Company. (See Pennington, John V., assignor.)
Reed, Virgil R., Dover, N. J. Fuse for projectiles. 2,068,708; Jan. 26.
Rehberger, August W., Brooklyn, N. Y. Lather bowl. 2,069,048; Jan. 26.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Train control system for railroads. 2,068,766; Jan. 26.
Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)
Respess Aeronautical Engineering Corporation. (See Respess, Roland B., assignor.)
Respess, Roland B., Wickford, R. I., assignor to Respess Aeronautical Engineering Corporation, Cranston, R. I. Dirigible. 2,068,870; Jan. 26.
Reversible Trailers Limited. (See Butler, M. R., and Harding, assignors.)
Reynolds, Joseph H., Cisco, Tex. Air cooling means for vehicles. 2,068,709; Jan. 26.
Ricchiardi, Pier C. (See Durand, L. P., and Ricchiardi.)
Rice, John A. and R. B., assignors to Bubblestone Company, Berkeley, Calif. Apparatus for producing cellular cementitious materials. 2,069,078; Jan. 26.
Rice, Richard B. (See Rice, John A. and R. B.)
Richter, Hans R. (See Geffcken, H. H., and Richter.)
Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on heels. 2,068,710; Jan. 26.
Robert, John, Chicago, Ill., assignor to The Barrett Company, New York, N. Y. Process and apparatus for surfacing roofing. 2,068,767; Jan. 26.
Roberts & Mander Stove Company. (See Antrim, William D., assignor.)
Robertshaw Thermostat Company. (See Newell, R. E., and Unger, assignors.)
Robertson, H. H., Company. (See Coffman, Alden W., assignor.)
Robertson, H. H., Company. (See Heppenstall, Thomas A., assignor.)
Robinson, Harold C., Chicago, and J. I. Bellamy, Brookfield, assignors, by mesne assignments, to Associated Electric Laboratories Inc., Chicago, Ill. Stock quotation system. 2,068,711; Jan. 26.
Rochester Manufacturing Co. (See Hastings, H., and Connolly, assignors.)
Rodwell, Kenneth E. H., London, England, assignor to Rangi Limited Nairobi, Kenya, East Africa. Coating and protecting surfaces against corrosion. 2,068,995; Jan. 26.
Roehm, Erwin G., Norwood, and M. Romaine, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling and profiling machine. 2,068,889; Jan. 26.
Romaine, Millard. (See Roehm, E. G., and Romaine.)
Root, Frank B., West Orange, N. J., assignor to Ellis-Foster Company. Composition for coating purposes containing a rubber derivative. 2,068,818; Jan. 26.
Root, Percy H., assignor to The Fate-Root-Heath Company, Plymouth, Ohio. Knife grinder. 2,069,097; Jan. 26.
Rose Patch & Label Company, The. (See Rosenthal, Arthur, assignor.)
Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Powder spraying device. 2,068,871; Jan. 26.
Rosen, Raphael, Cranford, and F. M. Archibald, Elizabeth, N. J., assignor to Standard Oil Development Company. Purifying of alcohols by contact catalysts. 2,068,872; Jan. 26.
Rosenthal, Arthur, assignor to The Rose Patch & Label Company, Grand Rapids, Mich. Label folding machine. 2,069,115; Jan. 26.
Rowles, George H. (See Lessen, A. H., and Rowles, and Dougherty.)
Ruble, Raymond J. (See Thurston, R. R., and Ruble.)
Rudd, Frank H., Cleveland, Ohio, assignor to General Electric Company. Stem for electric lamps and similar articles. 2,069,079; Jan. 26.
Rumpf, Wilhelm. (See Pier, M., Rumpf, and Donath.)
Ruppie, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Metalworking machine. 2,069,098; Jan. 26.
Rüttenauer, Alfred and O. Fritze, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Arc lamp. 2,069,080; Jan. 26.
Ryan, Joseph D. (See Watkins, G. B., and Ryan.)
Rypinski, Albert B., Laurelton, Long Island, N. Y. High temperature slow electromagnetic device. 2,068,712; Jan. 26.
Sahyun, Melville, Palo Alto, Calif. Dental preparation. 2,069,157; Jan. 26.
Said, William H., assignor to Corning Glass Works, Corning, N. Y. Shipping crate. 2,068,819; Jan. 26.
Saks, Ira. (See Spase, Charles B., assignor.)
Sallmann, Richard. (See Graenacher, C., and Sallmann.)
Sanders, Paul J., Maplewood, N. J. Display apparatus. 2,068,933; Jan. 26.
Sanford, Baalis, assignor to Norton Company, Worcester, Mass. Composite grinding wheel and making the same. 2,069,116; Jan. 26.
Sanford, Roy S., New York, N. Y., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Control mechanism. 2,068,962; Jan. 26.
Sarazin, Raoul, Saint-Prax and André Lagache, Argenteuil, France. Electrical device for the absorption of mechanical energy. 2,068,820; Jan. 26.
Sassen, Bernard, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Automatic three-dimensional pattern controlled milling machine. 2,068,890; Jan. 26.
Satterthwaite, Harry C., Southfield Township, Oakland County, assignor to Cogsdill Manufacturing Company, Inc., Detroit, Mich. Apparatus for finishing bearing surfaces. 2,069,099; Jan. 26.
Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Shock absorber. 2,069,049; Jan. 26.
Savani, Luigi, assignor to Societa Italiana Ernesto Breda per Costruzioni Meccaniche, Milano, Italy. Portable firearm for firing bombs. 2,068,821; Jan. 26.
Schaefer, Rodger L. (See Lum, J. H., and Schaefer.)
Scheibinger, August, Bad Homburg vor der Hohe, and Sidney Koehlreuter, Frankfort-on-the-Main, Germany, assignors to Alfred Dunhill of London, Inc. Pyrophoric lighter. 2,068,873; Jan. 26.
Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Control device. 2,068,713; Jan. 26.
Schiesser, Fridolin, Rheineck, Switzerland. Point locating device. 2,068,822; Jan. 26.
Schlesinger, Kurt, Berlin, Germany. Detector for ultra short waves. 2,068,768; Jan. 26.
Schlesinger, Kurt, Berlin, Germany. Rectifier for wireless television reception. 2,068,769; Jan. 26.
Schlichting, Otto. (See Koeberle, K., and Schlichting.)

Schmelisser, Hugo, Suhl, Thuringia, Germany. Air gun. 2,068,823; Jan. 26.
Schnitzspahn, Karl, Offenbach-on-the-Main, and P. Jörg, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Disazodyestuffs insoluble in water and fiber dyed therewith. 2,069,158; Jan. 26.
Scholl, Paul, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Air-cooled reabsorption refrigerating apparatus of the intermittent type. 2,068,891; Jan. 26.
Schönhöfer, Fritz, and H. Henecka, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Quaternary heterocyclic acid amide compounds and manufacture thereof. 2,068,824; Jan. 26.
Schuessler, Carl F., Chicago, Ill. Knitted cap. 2,069,020; Jan. 26.
Schuessler, Carl F., Chicago, Ill. Knitted cap. 2,069,021; Jan. 26.
Schulthels, Werner, Frankfort-on-the-Main-Hochst, and G. Langein, Hofheim-in-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substituted aminochrysenes. 2,069,159; Jan. 26.
Schultz, Fritz, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Physiologically active preparation and manufacture thereof. 2,069,019; Jan. 26.
Schwarzschild, Alfred M., Berlin, Germany. Printed textile fabric. 2,068,770; Jan. 26.
Schweitzer, Howard V., McKeesport, Pa., and D. A. Cable, East Sparta, Ohio, assignors to United States Quarry Tile Company, Parkersburg, W. Va. Coating surfaces. 2,068,892; Jan. 26.
Seamless Rubber Company, The. (See Paolillo, Salvatore, assignor.)
Seebach, Fritz, Erkner, near Berlin, Germany, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Preparing resinous condensation products containing urea or its derivatives. 2,069,117; Jan. 26.
Seem, Warren A., Forty Fort, Pa. Feed roll brake for silk machines or the like. 2,069,118; Jan. 26.
Seiler, John D., Milton, Pa., assignor to American Car and Foundry Company, New York, N. Y. Calking tool guide. 2,068,874; Jan. 26.
Self-Locking Carton Co. (See Walsh, John E., assignor.)
Semet-Solvay Engineering Corporation. (See Pratt, Charles O., assignor.)
Servel, Inc. (See Forberg, Trygve, assignor.)
Setoguchi, Kazuo, Tokyo, Japan, assignor to General Electric Company. Electric incandescent lamp. 2,069,081; Jan. 26.
Shapiro, Isaac, et al. (See Balton, James, assignor.)
Shapiro, Joseph, et al. (See Balton, James, assignor.)
Shapiro, Nathan, et al. (See Balton, James, assignor.)
Shapiro, Samuel, et al. (See Balton, James, assignor.)
Sharp, James. (See Jones, W., Sharp, and Boehm.)
Sharples Specialty Company, The. (See Ayres, A. U., and Brewer, assignors.)
Sherman, Elroy P., Ashtabula, Ohio, assignor to The Ashtabula Corrugated Box Company. Corner protector. 2,068,771; Jan. 26.
Shirtcraft Company, The. (See Lessen, A. H., and Rowles, and Dougherty, assignors.)
Shoe Form Co. (See De Witt, William J., assignor.)
Shoe Press Corporation. (See Anderson, William S., assignor.)
Shoup, Ransom F. (See Foehrenbach, A. F., Shoup, Ransom F. and S. R.)
Shoup, Samuel R. (See Foehrenbach, A. F., Shoup, Ransom F. and S. R.)
Shoup Voting Machine Corporation, et al. (See Foehrenbach, A. F., Shoup, Ransom F. and S. R., assignors.)
Siemens & Halske Aktiengesellschaft. (See Wochinger, Eduard, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Scholl, Paul, assignor.)
Simplicity Engineering Company. (See Behnke, George W., assignor.)
Simpson, Emory G. (See Fisher, A. J., and Simpson.)
Singer Manufacturing Company, The. (See Langille, Wilfred O., assignor.)
Singer Manufacturing Company, The. (See Peets, Wilbur J., assignor.)
Sisk, Martin A., Pittsburgh, Pa. Automatic valve. 2,069,022; Jan. 26.
Sixt, Johann, assignor to Consortium-Fuer Elektrochemische Industrie, G. m. b. H., Munich, Germany. Preparation of chlorine substituted butanes. 2,068,772; Jan. 26.
Silder, George, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich. Over-running clutch. 2,068,773; Jan. 26.
Smidth, F. L. & Co. (See Nielsen, Christian, assignor.)
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, Beauford B., Silverton, Oreg. Aircraft. 2,068,774; Jan. 26.
Smith, George E., Cincinnati, Ohio. Shock absorber. 2,068,996; Jan. 26.
Smith, Howard, Chemicals Limited. (See Hibbert, H., and Tomlinson, assignors.)
Smith, James N., Westfield, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Pressure casting machine. 2,068,875; Jan. 26.
Smith, Percy W., and C. S. Bushnell, assignor to General Railway Signal Company, Rochester, N. Y. Automatic control system for locomotive whistles. 2,068,934; Jan. 26.
Smith, W. J. (See Vowles, Philip N., assignor.)
Snuffer, A. L. (See Kedzie, Donald H., assignor.)
Snyder, John Y., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Spring expansion bend. 2,068,876; Jan. 26.
Societa Italiano Ernesto Breda per Costruzioni Meccaniche. (See Savani, Luigi, assignor.)
Société Francaise Radio Electrique. (See Chireix, H. and Nicolas, assignors.)
Société Générale des Carburateurs Zenith. (See Viel, Louis L., assignor.)
Society of Chemical Industry in Basle. (See Graenacher, C., and Sallmann, assignors.)
Socony-Vacuum Oil Company. (See Fisher, Gerald, M., assignor.)
Somerville, Albert A., Flushing, assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Rubber compounding. 2,068,935; Jan. 26.
Sontag, Lothar A. (See Dent, H. M., Hall, and Sontag.)
Spanel, Abraham N., Rochester, N. Y. Rubber article such as baby pants. 2,068,997; Jan. 26.
Spanel, Abraham N., Rochester, N. Y. Rubber garment. 2,068,998; Jan. 26.
Spase, Charles B., Nedrow, N. Y., assignor to Ira Saks, Cleveland Heights, Ohio. Power transmitting coupling. 2,068,963; Jan. 26.
Speedry Gravure Corporation. (See Behringer, Alfred, assignor.)
Spence, Howard, and S. F. W. Crundall, assignors to Peter Spence & Sons, Limited, Manchester, England. Preparation of titanium compounds. 2,068,877; Jan. 26.
Spence, Peter, & Sons, Limited. (See Spence, H., and Crundall, assignors.)
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Spielman, Sarah. (See Pedersen, Niels, assignor.)
Staley, A. E., Manufacturing Company. (See File, Howard, assignor.)
Stampit Corporation. (See Neuhausen, Sebastian P., assignor.)
Stanco Incorporated. (See Rose, William H., assignor.)
Standard Brands Incorporated. (See Gore, H. C., and Frey, assignors.)
Standard Oil Company. (See McGill, William J., assignor.)
Standard Oil Company. (See Miller, Clarke C., assignor.)
Standard Oil Development Company. (See Collins, John O., assignor.)
Standard Oil Development Company. (See Davis, G. H. B., and Wasson, assignors.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Frolich, Per K., assignor.)
Standard Oil Development Company. (See Howard Frank A., assignor.)
Standard Oil Development Company. (See Jones, W., Sharp, and Boehm, assignors.)
Standard Oil Development Company. (See Langmyhr, George J., assignor.)
Standard Oil Development Company. (See Rosen, R. and Archibald, assignor.)
Standard Oil Development Company. (See Snyder, John Y., Jr., assignor.)
Standard Oil Development Company. (See Winning, Carl, assignor.)
Standley, Albert H., Downingtown, and H. H. Burrows, Clifton, N. J., assignors to Downingtown Manufacturing Company, Downington, Pa. Rubber covered suction roll. 2,069,119; Jan. 26.
Stedefeld, Curt, Hanover, Germany. Elastic permanent way. 2,068,714; Jan. 26.
Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
Stephen, Charles W. (See McCausland, W., and Stephen.)
Stettler, Oscar, Zurich, Switzerland. Discharge tube. 2,068,775; Jan. 26.
Stevens, Charles E., Hawthorne, Calif. Vehicle body structure. 2,068,715; Jan. 26.
Stevenson, Herbert A., Mount Clemens, Mich., assignors to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,068,825; Jan. 26.
Stewart, Hugh A., Butler, Pa. Furnace. 2,069,120; Jan. 26.
Stonega Coke and Coal Company, Incorporated. (See Lum, J. H., and Schaefer, assignors.)
Stuart, Kimberly, Neenah, Wis., assignor, by mense assignments, to G. B. Linderman, Jr., Beverly, N. J. Apparatus for producing laminated materials. 2,068,893; Jan. 26.
Suczek, Robert, Detroit, Mich. Internal combustion engine. 2,068,878; Jan. 26.
Sulzer, Frères Société Anonyme. (See Kägi, Emil, assignor.)

Syrovy, Augustin J., assignor to Chrysler Corporation, Detroit, Mich. Power transmission. 2,068,776; Jan. 26.
Szekely, Otto E., Elmira, N. Y. Variable ratio transmission. 2,069,023; Jan. 26.
Szukalski, Marian A., Sr. (See Szukalski, Marian F., Jr., and M. A., Sr.)
Szukalski, Marian F., Jr., and M. A. Szukalski, Sr., Milwaukee, Wis. Waste pipe cleaner. 2,069,100; Jan. 26.
Tabozzi, Giacinto, Milan, Italy. Aerial flare. 2,069,101; Jan. 26.
Taddeo, Pietro. (See Wojtalewicz, J. S., and Wegener, assignors.)
Taglabue, Charles J., Mfg. Co. (See Dillon, John H., assignor.)
Talley, Thurmon H., Little Falls, assignor to The Dawn Mfg. Corp., Rochester, N. Y. Copy holder machine. 2,068,894; Jan. 26.
Tatum, John J., Baltimore, Md. Hopper door and hopper door latch. 2,068,895; Jan. 26.
Tautz, Herbert E., Milwaukee, Wis. Saw mounting. 2,068,964; Jan. 26.
Taylor, William, assignor to Kapella Limited, Leicester, England. Hydraulic motion-controlling means. 2,069,189; Jan. 26.
Teal, Frank A., Berkeley, Calif. Face lifting device. 2,068,777; Jan. 26.
Technicolor Motion Picture Corporation. (See Troland, Leonard T., assignor.)
Teletype Corporation. (See Goetz, Maurus, T., assignor.)
Ten Broeck, Wessel R., Springfield, Mass. Sign. 2,068,778; Jan. 26.
Tenney, Perry L., and O. Rasmussen, Lansing, assignors to General Motors Corporation, Detroit, Mich. Transmission control. 2,068,716; Jan. 26.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,068,717; Jan. 26.
Texas Company, The. (See Thomas, James M., assignor.)
Texas Company, The. (See Thurston, R. R., and Ruble.)
Thayer, Sidney A. (See MacCorquodale, D. W., Thayer, and Doisy.)
Thomas, James M., Lefors, Tex., assignor to The Texas Company, New York, N. Y. Oil field tank equipment. 2,068,965; Jan. 26.
Thompson, James W., Las Vegas, Nev., assignor of one-half to W. H. Fowler, Las Vegas, Nev. Amalgamator. 2,068,896; Jan. 26.
Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
Thompson Products, Incorporated. (See Hufferd, George H., assignor.)
Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Twin sprinkler. 2,068,718; Jan. 26.
Thornton, John W. (See Weik, Edwin E., assignor.)
Thullen, Louis H., assignor to G. & W. Electric Specialty Company, Chicago, Ill. Pothead device. 2,069,050; Jan. 26.
Thunder, Harold G., assignor to Motor Products Corporation, Detroit, Mich. Vehicle ventilating device. 2,069,102; Jan. 26.
Thurston, Robert R., Scarsdale, and R. J. Ruble, Beacon, assignors to The Texas Company, New York, N. Y. Metallic paint. 2,068,966; Jan. 26.
Tierney, Edward M., Washington, D. C. Cigarette extinguisher. 2,068,999; Jan. 26.
Timmerbeil, Alfred, Arnhem, Netherlands. Belt fastener. 2,068,826; Jan. 26.
Tomlinson, George H., Jr. (See Hibbert, H., and Tomlinson.)
Tompkins, Charles A., Reno, Nev. Illuminated chart. 2,068,827; Jan. 26.
Tratsch, Walter A., and B. C. Grunig, Chicago, Ill. Coin and token separator. 2,069,051; Jan. 26.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Triumph-Werke Nürnberg A.-G. (See Baumann, Berthold, assignor.)
Troland, Leonard T., deceased, late of Cambridge, Mass., by Cambridge Trust Company, executor, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Photographic relief process. 2,068,879; Jan. 26.
Troutman, Ferdinand B., Elmhurst, Ill. Totalizing counter. 2,068,719; Jan. 26.
Truitt, Bertha M., Calumet, Okla. Gear shifting mechanism. 2,069,121; Jan. 26.
Trumbull Electric Manufacturing Company, The. (See Hanny, Charles E., assignor.)
Trümpelmann, Erich. (See Vohmann, F., and Trümpelmann.)
Tschunkur, Eduard. (See Herdieckerhoff, E., and Tschunkur.)
Tunley, Allan A., and G. R. Baker, Peterborough, England, assignors to Baker Perkins Co. Inc., Saginaw, Mich. Cooling roll refiner or like mill. 2,068,779; Jan. 26.
Tustain, Edward H., London, England. Cultivating turf and soil. 2,068,828; Jan. 26.
Uhrmann, Carl J., Chicago, Ill., assignor to George L. Chamberlain. Lamp globe. 2,068,967; Jan. 26.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Unger, Max S. (See Newell, R. E., and Unger.)
Union Carbide and Carbon Corporation. (See Aronson, Peter R., assignor.)
Union Carbide and Carbon Corporation. (See Jones, Homer W., assignor.)
United Dairies (London) Limited. (See Lumn, Frank M., assignor.)
United Shoe Machinery Corporation. (See Bowen, Richard W., assignor.)
United Shoe Machinery Corporation. (See Courter, John W., assignor.)
United Shoe Machinery Corporation. (See Goodwin, Albert H., assignor.)
United Shoe Machinery Corporation. (See Parker, Malcolm W., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)
United Shoe Machinery Corporation. (See Wilson, Evan G., assignor.)
United States Quarry Tile Company. (See Schweitzer, H. V., and Cable, assignors.)
United States Rubber Company. (See Adamson, Percy, assignor.)
U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
United States Steel Corporation. (See Bain, E. C., and Gruber, assignors.)
Universal Cooler Corporation. (See Highan, William W., assignor.)
Universal Cooler Corporation. (See Pendergast, T. S., and Baum, assignors.)
Universal Products Company, The. (See Ketcham, F., and Dunn, assignors.)
Unterberg, Albert H., Bronx, N. Y. Cylinder keyway guard. 2,068,936; Jan. 26.
Urbanek, Julius, Vienna, and H. Heinzl, Knittelfeld, Austria. Movable staybolt. 2,068,968; Jan. 26.
Van Albada, Lieuwe E. W., Amsterdam, Netherlands, assignor to the firm of Carl Zeiss, Jena, Germany. Reducing telescopic view finder for photographic cameras. 2,068,829; Jan. 26.
Vanderbilt, R. T., Company. (See Sommerville, Albert A., assignor.)
Van Halteren, Andrew S. (See Hunt, J. H., and Van Halteren.)
Vanilite Products Inc. (See Morey, Willis R., assignor.)
Vaughan, Winston H., Montgomery, Ala. Road marker. 2,068,937; Jan. 26.
Venzlaff, Max. (See Raydt, U., Hanser, and Venzlaff.)
Viel, Louis L., Ville d'Avray, assignor to Société Générale des Carburateurs Zenith, Levallois-Perret, France. Regulator for the fuel pressure in internal combustion engines. 2,068,938; Jan. 26.
Vincent, Thomas K., U. S. Army, Manhattan, Kans. Packing for sealing high pressure fluids. 2,068,720; Jan. 26.
Virtanen, Artturi I., Helsinki, Finland. Preservation of textiles, leather, and wood. 2,068,880; Jan. 26.
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln. 2,069,164; Jan. 26.
Vohmann, Fritz, and E. Trümpelmann, Saarbrucken, Germany, assignors to Gesellschaft für Förderanlagen Ernst Heckel mit beschränkter Haftung, Saarbrücken, Saar Territory. Process and apparatus for clarifying coal slurry and the like. 2,069,024; Jan. 26.
Von Ardenne, Manfred. (See Loewe, S., and von Ardenne.)
Vowles, Philip N., Croyden, near Sydney, assignor to W. J. Smith, Point Piper, near Sydney, Australia. Mechanism for specially forming, and for fitting releasing means of wire to bottle closure caps of the crown seal variety. 2,068,881; Jan. 26.
Vulcan Soot Blower Corporation. (See Hibner, DeLos E., Jr., assignor.)
Walker, Louis R., Chicago, Ill., and W. J. Doyle and W. L. McGrath, Cincinnati, Ohio. Clinker remover for furnaces. 2,068,969; Jan. 26.
Walker, Robert S., Bellefonte, Pa., assignor to Electro Lime & Ice Corporation, Wilmington, Del. Method and apparatus for treating alkali-earth carbonate materials. 2,068,882; Jan. 26.
Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Automatic reclosing electric circuit interrupter. 2,069,082; Jan. 26.
Walsh, John E., assignor to Self-Locking Carton Co., Chicago, Ill. Egg carton. 2,068,780; Jan. 26.
Wappler, Frederick C., New York, N. Y., and R. H. Wappler, deceased, Yonkers, N. Y., by F. C. Wappler, administrator. Electrosurgical severance of adhesions. 2,068,721; Jan. 26.
Wappler, Reinhold H. (See Wappler, Frederick C. and R. C.)
Warembourg, Arthur, Weld County, Colo. Memorial plaque. 2,068,830; Jan. 26.
Washburn, Alfred F. (See Washburn, Edwin C., E. C., Jr., and A. F.)
Washburn, Edwin C., Jr. (See Washburn, Edwin C., E. C., Jr., and A. F.)
Washburn, Edwin C., E. C., Jr., and A. F., Englewood, N. J. Building structure. 2,068,831; Jan. 26.
Wasson, Jones I. (See Davis, G. H. B., and Wasson.)

Waters, Harry H., and R. H. Kerr, Clinton, Iowa, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Gas mixing valve. 2,068,897; Jan. 26.
Watkins, George B., and J. D. Ryan, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Plastic for laminated safety glass. 2,068,782; Jan. 26.
Watts, Arretta L., New York, N. Y. Button. 2,068,832; Jan. 26.
Weaver, Albert E., Indianapolis, Ind., Midge M. Weaver, administratrix. Hydraulic reciprocating motion device. 2,069,122; Jan. 26.
Weaver, Midge M., administratrix. (See Weaver, Albert E.)
Webb, Hartwell W., assignor to General Motors Corporation, Flint, Mich. Casing machine. 2,069,052; Jan. 26.
Wegener, Otto F. (See Wojtalewicz, J. S., and Wegener.)
Weik, Edwin E., assignor of one-half to J. W. Thornton, Dunsmuir, Calif. Gauge. 2,069,123; Jan. 26.
Weinreich, George F. (See Pratt, B., and Weinreich.)
Wendell, Rudolf, Roslyn Heights, N. Y. Reflector. 2,068,781; Jan. 26.
Wendell, Carl A., New York, N. Y. Apparatus for separating materials. 2,068,783; Jan. 26.
Werdermann, Arthur. (See Laska, L., Haller, and Werdermann.)
Wertz, Daniel L., assignor to Eclipse Machine Company, Elmire, N. Y. Backfire release. 2,068,722; Jan. 26.
Wheeler, Harley T., Dallas, Tex. Metallic packing for variable pressures. 2,068,723; Jan. 26.
White, Forrest S., Hoosick Falls, and C. G. Bordeaux, Albany, N. Y. Check valve. 2,068,833; Jan. 26.
Whittenberg, John E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanized rubber and vulcanizing the same. 2,069,053; Jan. 26.
Wichulski, Josef, and M. Pizzolanella, assignors to Millie Patent Holding Co. Inc., New York, N. Y. Apparatus and method of making nontangling string handle bag packages. 2,068,724; Jan. 26.
Willard Storage Battery Company. (See Brown, J. E., and Clark, assignors.)
Wilman, Russell J. (See Lucas, Frank W., assignor.)
Wilson, Evan G., Blundellsands, near Liverpool, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sorting machine. 2,068,725; Jan. 26.
Winning, Carl, Elizabeth, N. J., assignor to Standard Oil Development Company. Oxidized "hydroformed solvent". 2,068,834; Jan. 26.
Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rectifying system. 2,068,970; Jan. 26.
Winterhalter, Martin, Wuppertal-Barmen, Germany. Slide fastener. 2,068,939; Jan. 26.
Winters & Crampton Corporation. (See Geske, C., and de Voe, assignors.)
Winthrop Chemical Company. (See Bockmühl, M., and Krohs, assignors.)
Winthrop Chemical Company. (See Schönhöfer, F., and Henecka, assignors.)
Winthrop Chemical Company. (See Schultz, Fritz, assignor.)
Wiseman, Robert Jr., Paterson, assignor to The Okonite Company, Passaic, N. J. Electric cable. 2,068,940; Jan. 26.
Wochinger, Eduard, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, bie Berlin, Germany. Telephone system. 2,068,726; Jan. 26.
Wojtalewicz, Joseph S., and O. F. Wegener, assignors to Pietro Taddeo, Chicago, Ill. Prayer rail. 2,069,124; Jan. 26.
Woolley, Clarence M., assignor to American Radiator Company, New York, N. Y. Circulation enhancing attachment for radiators. 2,069,190; Jan. 26.
Wurster, Henry A., Cleveland, Ohio. Foundry system. 2,068,835; Jan. 26.
Yeadon, Robert. (See Hale, F. C., and Yeadon.)
Yorktown Electric Roaster Manufacturing Corporation. (See Behr, H. C. A., and Eck, assignors.)
Zahodiakin, Victor F., Cincinnati, Ohio. Lubrication system. 2,068,727; Jan. 26.
Zarafu, Herman, West New York, N. J., assignor to Elevator Supplies Company, Incorporated, Hoboken, N. J. Apparatus for drawing and reeling wire. 2,068,836; Jan. 26.
Zeiss, the firm Carl. (See Van Albada, Lieuwe, E. W., assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Engine cooling device. W. F. Davis. 20,251; Jan. 26.
Engine, Internal combustion. W. H. Robertson. 20,254; Jan. 26.
Hacksaw frame construction. D. E. Priest. 20,252; Jan. 26.
Ladder web of Venetian blinds. G. F. French. 20,257; Jan. 26.
Pedal, Control. E. W. Richter. 20,253; Jan. 26.
Piston ring. W. Wuerfel. 20,256; Jan. 26.
Top, Spinning. E. S. Savage. 20,255; Jan. 26.
Wheel, Vehicle. H. J. Horn. 20,258; Jan. 26.

LIST OF PLANT INVENTIONS

Gladiolus. A. L. Miller. 227; Jan. 26.
Poplar, Hybrid. R. H. McKee. 228–30; Jan. 26.

LIST OF DESIGN INVENTIONS

Air-conditioning control device or similar article. L. L. Friez. 102,969; Jan. 26.
Alphabet, Hebrew. S. Ish-Shalom. 102,891; Jan. 26.
Ashtray. J. S. Sherman. 102,926; Jan. 26.
Ball or the like, Golf. F. H. Cavignac. 102,940; Jan. 26.
Beater or similar article, Egg. C. A. Rowley. 102,959; Jan. 26.
Board, Drain. J. L. Perkins. 102,914; Jan. 26.
Board or the like, Game. D. A. Valvano. 102,933; Jan. 26.
Body for two-wheeled vehicles. C. S. Prince. 102,956; Jan. 26.
Bottle. G. H. Covert. 102,942; Jan. 26.
Bottle. A. I. Lorenzen. 102,910; Jan. 26.
Bottle or similar article, Siphon. M. C. Barclay. 102,865; Jan. 26.
Bowl and tray, Combined. S. W. Farber. 102,968; Jan. 26.
Bowl or similar article. M. Exelmans. 102,876; Jan. 26.
Box. F. McIntosh. 102,912; Jan. 26.
Box, Cake. M. H. Connor. 102,875; Jan. 26.
Box, Jewelry. I. H. Jellinek. 102,893; Jan. 26.
Box or similar container, Jewelry. J. M. Shields. 102,929; Jan. 26.
Buckle. J. R. Craighead. 102,873; Jan. 26.
Burner or similar article, Oil. N. Hayward. 102,890; Jan. 26.
Cab, Hoisting apparatus. E. F. Rueter. 102,977; Jan. 26.
Cabinet, Refrigerator. R. E. Kruck. 102,951; Jan. 26.
Can, Powder. S. L. Antonow. 102,863; Jan. 26.
Cap, Flashlight base. C. D. Barrett. 102,868; Jan. 26.
Case and lamp, Combined clock. D. R. and P. D. Keppler. 102,905; Jan. 26.
Case, Clock. J. P. Rainbault. 102,918–19; Jan. 26.
Case, Compact. M. M. Forman. 102,945; Jan. 26.
Case, Musical instrument. M. Frost. 102,878; Jan. 26.
Case, Piano. G. C. Kavanagh. 102,973; Jan. 26.
Casing, Flashlight. C. D. Barrett. 102,866; Jan. 26.
Casing, Meter. J. A. Hayes. 102,948; Jan. 26.
Casing or similar article, Duplicating machine side. P. T. Trueman. 102,963–4; Jan. 26.
Chair. D. Powell. 102,915–17; Jan. 26.
Coat. R. Lieberman. 102,909; Jan. 26.
Coat. S. Sandhaus. 102,925; Jan. 26.
Comfortable. J. Goodstein. 102,970; Jan. 26.
Container and serving glass rack, Combined beverage. A. Karsh. 102,904; Jan. 26.
Container, dispenser, and serving tray, Combined liquid. J. S. Sherman. 102,939; Jan. 26.
Desk set, Combination. C. G. Gregory. 102,881–2; Jan. 26.
Doll head or similar article. M. George and M. Foster. 102,880; Jan. 26.
Doll or similar article. M. George and M. Foster. 102,879; Jan. 26.
Fabric, Beaded handbag. D. M. Furman. 102,946; Jan. 26.
Fabric, Knitted. D. Siegel. 102,962; Jan. 26.
Fabric or similar article. M. Susi. 102,932; Jan. 26.
Fabric or similar article, Printed textile. M. R. Hamre. 102,883–9; Jan. 26.
Fabric or similar article, Textile. R. E. Fatherley. 102,877; Jan. 26.
Fabric, Textile. C. C. Ryan. 102,921–4; Jan. 26.
Faceplate for a coin chute. W. C. Shinn. 102,961; Jan. 26.
Flashlight head shell. C. D. Barrett. 102,867; Jan. 26.
Flashlight head shell. W. R. Westfall. 102,935; Jan. 26.
Font of Hebrew type. S. Ish-Shalom. 102,949; Jan. 26.
Glove. E. Webster. 102,965–6; Jan. 26.
Guard, Fender splash. B. G. Cochrane. 102,941; Jan. 26.
Hat, Lady's. H. Rosen. 102,920; Jan. 26.
Housing for a signal device. L. Rittenhouse. 102,958; Jan. 26.
Ice cream cone. H. F. Woodward. 102,938; Jan. 26.
Kettle or similar article. A. W. Nelson. 102,953; Jan. 26.
Knife. A. O. Beisang. 102,869; Jan. 26.
Lace. B. Edson. 102,944; Jan. 26.
Lace. D. F. Siegrist. 102,927–8; Jan. 26.
Lamp faceplate, Signal. L. Guardino. 102,947; Jan. 26.
Lamp, Signal. S. F. Arbuckle. 102,864; Jan. 26.
Lighting fixture. W. Lescaze. 102,906; Jan. 26.
Lock, Bicycle. S. Wise. 102,937; Jan. 26.
Lock for bicycles or the like. S. Wise. 102,936; Jan. 26.
Paper, Wrapping. A. Lewin. 102,952; Jan. 26.
Pen or similar article, Fountain. C. Silverman. 102,930; Jan. 26.
Ring or similar article, Finger. I. Oiring. 102,913; Jan. 26.
Saucepan or similar article. A. W. Nelson. 102,954; Jan. 26.
Scarf. W. Karp. 102,950; Jan. 26.
Seat and telephone compartment, Combined. G. Hale. 102,971; Jan. 26.
Shaker, Cocktail. H. H. Dulany. 102,943; Jan. 26.
Shaker, Combination salt and pepper. D. L. Callison. 102,874; Jan. 26.
Shoe. B. Jayne. 102,892; Jan. 26.
Shoe. M. Kalmon. 102,894–903; Jan. 26.
Shoe. A. Vamos. 102,934; Jan. 26.
Shovel blade. H. M. Renner. 102,957; Jan. 26.
Sign, Automatic. F. S. Lewis. 102,907–8; Jan. 26.
Signal, Wigwag. W. E. Signor. 102,931; Jan. 26.
Sink. C. R. Crane, II. 102,872; Jan. 26.
Stand, Display. R. A. Hennings. 102,972; Jan. 26.
Telephone, Waterproof wall. H. F. Obergfell. 102,955; Jan. 26.
Tire. J. Martin. 102,911; Jan. 26.
Toy aeroplane. C. A. Brethen and J. Gora. 102,870–1; Jan. 26.
Tray, Revoluble cake. C. Daum. 102,967; Jan. 26.
Typewriting machine. J. H. Rand, Jr., and R. E. Benner. 102,975; Jan. 26.
Vaporizer. S. Rosenblatt. 102,976; Jan. 26.
Vehicle body, Dispensing. M. H. Shield. 102,960; Jan. 26.
Visor and ventilator for motor vehicle windows, Combined sun. N. W. Pritchard. 102,974; Jan. 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF JANUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive copositions, Forming diamodiferous. J. H. L. De Bats. 2,068,848; Jan. 26.
Acid amide compounds and manufacture thereof, Quarternary heterocyclic. F. Schönhöfer and H. Henecka. 2,068,824; Jan. 26.
Acids, Indol sulphonic. E. Herdieckerhoff, O. and E. Tschunkur. 2,068,800; Jan. 26.
Acids of anthropyrimidines, Sulphonic. K. Koeberle and O. Schlichting. 2,068,989; Jan. 26.
Acids, Preparing ether. H. A. Bruson. 2,068,905; Jan. 26.
Air conditioning system for railway cars. H. D. Euwer. 2,068,852; Jan. 26.
Air conditioning system for railway passenger cars. H. D. Euwer. 2,068,851; Jan. 26.
Air cooling means for vehicles. J. H. Reynolds. 2,068,709; Jan. 26.
Aircraft. B. B. Smith. 2,068,774; Jan. 26.
Aircraft control. J. G. Ray. 2,069,047; Jan. 26.
Air feed control for rock drills. J. C. Curtis. 2,068,660; Jan. 26.
Air valve. J. E. Engle. 2,069,105; Jan. 26.
Alcohols by contact catalysts, Purifying of. R. Rosen and F. M. Archibald. 2,068,872; Jan. 26.
Alkali-earth carbonate materials, Method and apparatus for treating. R. S. Walker. 2,068,882; Jan. 26.
Alloy amenable to heat treatment, Copper. U. Raydt, K. Hanser, and M. Venzlaff. 2,068,817; Jan. 26.
Amalgamator. J. W. Thompson. 2,068,896; Jan. 26.
Aminochrysenes, Substituted. W. Schulthels and G. Langbein. 2,069,159; Jan. 26.
Amplifier, Main operated voltage. S. Loewe and M. von Ardenne. 2,068,752; Jan. 26.
Animal trap. S. P. Neuhausen. 2,068,865; Jan. 26.
Arc discharge lamp, Vapor or gaseous. J. L. Cox. 2,069,135; Jan. 26.
Arc lamp. A. Rüttenauer and O. Fritze. 2,069,080; Jan. 26.
Arcing apparatus. T. J. Murphy. 2,068,691 Jan. 26.
Articles, Sorting. D. E. Gray. 2,068,797; Jan. 26.
Articles, such as talking machines or phonograph records, Method of and apparatus for manipulating. R. F. Mallina. 2,069,041; Jan. 26.
Arylamino-hydroxybenzenes. L. Laska and O. Haller, and A. Werdermann. 2,069,039; Jan. 26.
Assemblies, Forming. G. F. Lindquist. 2,069,073; Jan. 26.
Automatic clutch. K. E. Lyman and H. J. Gareeau. 2,068,885; Jan. 26.
Automatic valve. M. A. Sisk. 2,069,022; Jan. 26.
Automobile heater. C. M. Francisco. 2,068,740; Jan. 26.
Automobile heater. C. M. Francisco, F. Acton, and G. W. Lenhart. 2,068,739; Jan. 26.
Backfire release. D. L. Wertz. 2,068,722; Jan. 26.
Bag packages, Apparatus and method of making nontangling string handle. J. Wichulski and M. Pizzolanella. 2,068,724; Jan. 26.
Ball, Self-aligning picture. G. E. Demorest. 2,068,662; Jan. 26.
Baler, Combine. R. D. MacDonald. 2,068,886; Jan. 26.
Bandage. F. Powdermaker. 2,068,703; Jan. 26.
Bar: *See*—
Needle bar.
Bearing: *See*—
Divided roller bearing.
Bearing device for soot blower elements. D. E. Hibner, Jr. 2,069,163; Jan. 26.
Bearing surfaces, Apparatus for finishing. H. C. Satterthwaite. 2,069,099; Jan. 26.
Bearings, Mechanism for assembling. F. Ketcham and G. E. Dunn. 2,068,683; Jan. 26.
Belt end fastener. J. C. Olsen. 2,069,111; Jan. 26.
Belt fastener. A. Timmerbeil. 2,068,826; Jan. 26.
Belt, Machinery. V. R. Clark. 2,069,028; Jan. 26.
Beverage production. H. File. 2,068,738; Jan. 26.
Bituminous materials, Manufacturing hard. J. O. Collins. 2,068,845; Jan. 26.
Blind, Venetian. G. F. Brent and J. M. Guthrie. 2,069,084; Jan. 26.
Block: *See*—
Glass building block.
Boot, Riding. M. G. McCrory. 2,068,811; Jan. 26.
Booth, Voting machine voting. A. F. Foehrenbach and R. F. and S. R. Shoup. 2,068,853; Jan. 26.
Bottle or like container. F. M. Lunn. 2,069,075; Jan. 26.
Bottle, Paper. R. R. Guenther. 2,069,033; Jan. 26.
Bowl, Lather. A. W. Rehberger. 2,069,048; Jan. 26.
Box: *See*—
Outlet box.
Bracket for canoes, etc., Outdoor motor. J. W. Harvey. 2,068,982; Jan. 26.
Brake. L. E. La Brie. 2,068,956; Jan. 26.
Brake. M. W. McConkey. 2,068,958–9; Jan. 26.
Brake drum. J. H. Hunt and A. S. Van Halteren. 2,069,071; Jan. 26.
Brake for silk machines or the like, Feed roll. W. A. Seem. 2,069,118; Jan. 26.
Brick, Spalling resistant refractory. G. M. Carrie, J. W. Craig, F. E. Lathe, and A. C. Halferdahl. 2,068,641; Jan. 26.
Bridge connection, Roadway. W. Haupt. 2,069,146; Jan. 26.
Broaching machine. F. J. Lapointe. 2,068,884; Jan. 26.
Building structure. E. C. Washburn, E. C. Washburn, Jr., and A. F. Washburn. 2,068,831; Jan. 26.
Bumper, Duplex spring vehicle. M. Critani. 2,068,846; Jan. 26.
Bunion and corn protector. W. J. Hicks. 2,069,034; Jan. 26.
Burner: *See*—
Gas burner.
Button. A. L. Watts. 2,068,832; Jan. 26.
Cable, Electric. R. J. Wiseman. 2,068,940; Jan. 26.
Calculating machine. R. E. Annerén and B. Carlström. 2,068,899; Jan. 26.
Caliper, Poppet valve clearance indicating. W. M. Miller. 2,069,043; Jan. 26.
Calling device. S. Peterson. 2,068,700; Jan. 26.
Calorimeter, Water flow gas. C. V. Boys. 2,068,791; Jan. 26.
Camera equipment unit and film magazine used therewith but also constituting a distinct unit, Copying. E. S. Hineline. 2,069,186; Jan. 26.
Cap, Knitted. C. F. Schuessler. 2,069,020–21; Jan. 26.
Car retarder for railroads. N. C. L. Brown. 2,068,731; Jan. 26.
Car retarder for railroads. S. J. Mackey. 2,068,754; Jan. 26.
Carbonaceous substances, Thermal treatment of. M. Pier, W. Rumpf, and E. Donath. 2,068,868; Jan. 26.
Carburetor for internal combustion engines assuming various angles. O. Baumgartner. 2,068,787; Jan. 26.
Carrier: *See*—
Luggage carrier.
Carrier for braiding machines. W. E. Cook. 2,068,945; Jan. 26.
Carton, Egg. J. E. Walsh. 2,068,780; Jan. 26.
Case: *See*—
Cigarette and vanity case.
Casing and supporting foot structure. W. O. Langille. 2,068,920; Jan. 26.
Casing machine. H. W. Webb. 2,069,052; Jan. 26.
Cementitious materials, Apparatus for producing cellular. J. A. Rice and R. B. Rice. 2,069,078; Jan. 26.
Ceramic material and making same, Alkali-free. A. H. Fessler. 2,069,060; Jan. 26.
Ceramic ware, Producing. A. H. Fessler. 2,069,059; Jan. 26.
Chain: *See*—
Cutter chain.
Chain and bar, Cutter. R. K. Jeffrey. 2,068,984; Jan. 26.
Chain and cutter bar, Cutter. N. D. Levin. 2,068,993; Jan. 26.
Charge forming device. F. E. Ascltine. 2,068,838; Jan. 26.
Chart, Illuminated. C. A. Tompkins. 2,068,827; Jan. 26.
Chart, Pattern drafting and grading. I. Kravitz. 2,068,684; Jan. 26.
Check valve. F. S. White and C. G. Bordeaux. 2,068,833; Jan. 26.
Chlorine substituted butanes, Preparation of. J. Sixt. 2,068,772; Jan. 26.
Cigarette and vanity case, Combined. W. R. Morey. 2,068,813; Jan. 26.
Cigarette extinguisher. E. M. Tierney. 2,068,999; Jan. 26.
Circuit controlling apparatus. A. E. Anderson. 2,068,898; Jan. 26.
Circuit controlling means. W. H. Frank and J. Messing. 2,068,668; Jan. 26.
Circuit interrupter, Automatic reclosing electric. L. S. Walle. 2,069,082; Jan. 26.

Circuit switch controlling device, Electric. A. H. Chapleau. 2,068,944; Jan. 26.
Circular loom. F. C. Hale and R. Yeadon. 2,068,673; Jan. 26.
Circular loom. F. C. Hale and R. Yeadon. 2,068,855; Jan. 26.
Circulation enhancing attachment for radiators. C. M. Woolley. 2,069,190; Jan. 26.
Cleaner: *See*—
Grain cleaner. Pipe cleaner.
Cleaner and massager, Automatic back. V. Mishelle. 2,068,757; Jan. 26.
Cleaner for tubes and the like. G. J. Langmyhr. 2,068,861; Jan. 26.
Clinker remover for furnaces. L. R. Walker, W. J. Doyle, and W. L. McGrath. 2,068,969; Jan. 26.
Closure, Bottle. J. G. de la Minardiere, J. E. Laurin, and V. E. Lambert. 2,068,735; Jan. 26.
Closure, Bottle. T. F. Leahey. 2,069,093; Jan. 26.
Closure, Convertible jar. A. G. Jedlicka. 2,069,037; Jan. 26.
Closure for collapsible tubes. W. H. Jackson and A. W. Edmond. 2,069,009; Jan. 26.
Closure, Tamperproof nonrefillable. W. B. and W. C. Damsel. 2,069,005; Jan. 26.
Cloth laying machine. A. H. Lessen, G. H. Rowles, and C. F. Dougherty. 2,068,806; Jan. 26.
Clutch: *See*—
Automatic clutch. Over-running clutch.
Clutch control. W. R. Freeman. 2,068,948; Jan. 26.
Clutch control mechanism. H. W. and E. R. Price. 2,068,961; Jan. 26.
Coal slurry and the like, Process and apparatus for clarifying. F. Vohmann and E. Trümpelmann. 2,069,024; Jan. 26.
Coating and method of protecting surfaces against corrosion. K. E. H. Rodwell. 2,068,995; Jan. 26.
Coating surfaces. H. V. Schweitzer and D. A. Cable. 2,068,892; Jan. 26.
Coatings, Applying metallic. T. Liban. 2,068,687; Jan. 26.
Coil, Refrigerating. R. W. Kritzer and A. F. Hoesel. 2,068,955; Jan. 26.
Coin and token separator. W. A. Tratsch and B. C. Grunig. 2,069,051; Jan. 26.
Collector for drill pipes, Detachable mud. S. Douglass. 2,068,665; Jan. 26.
Collector ring and distributor. C. A. Braun. 2,069,129; Jan. 26.
Color mixing machine. P. L. Hexter. 2,068,646; Jan. 26.
Compass. J. L. H. Hand. 2,069,065; Jan. 26.
Composite article of manufacture. A. W. Coffman. 2,068,975; Jan. 26.
Composition for coating purposes containing a rubber derivative. F. B. Root. 2,068,818; Jan. 26.
Compounds from zinc and lead ores, Recovering. T. A. Mitchell. 2,068,690; Jan. 26.
Computing apparatus. C. S. Hazard. 2,069,184; Jan. 26.
Condensation product of low sulphonation applicable as a size. C. Graenacher and R. Sallmann. 2,068,796; Jan. 26.
Connecter: *See*—
Revolving connecter.
Connection, Chain link. A. L. Lee. 2,068,862; Jan. 26.
Container: *See*—
Shipping container.
Container. H. K. Powell. 2,068,763; Jan. 26.
Container holder, Adjustable. F. W. Lucas. 2,069,011; Jan. 26.
Control apparatus for automatic phonographs. R. R. Erbe. 2,069,180; Jan. 26.
Control device. N. C. Schellenger. 2,068,713; Jan. 26.
Control mechanism. V. W. Kliesrath. 2,068,954; Jan. 26.
Control mechanism. R. S. Sanford. 2,068,962; Jan. 26.
Control of printer motors, Remote. F. G. Halliden. 2,068,940; Jan. 26.
Control system for locomotive whistles, Automatic. P. W. Smith and C. S. Bushnell. 2,068,934; Jan. 26.
Control system for oil cracking plants, Remote. R. M. Parsons. 2,068,695; Jan. 26.
Control valve, Fluid flow. N. K. Mousley. 2,068,814; Jan. 26.
Cooling roll refiner or like mill. A. A. Tunley and G. R. Baker. 2,068,779; Jan. 26.
Copy holder machine. T. H. Talley. 2,068,894; Jan. 26.
Core drill. J. V. Pennington. 2,068,762; Jan. 26.
Core, Inductance coil. I. W. Cox. 2,069,658; Jan. 26.
Corner protector. E. P. Sherman. 2,068,771; Jan. 26.
Corrosion in oil stills, Preventing. G. M. Fisher. 2,068,979; Jan. 26.
Corselet and like underwear, Lady's. W. M. A. Molyneux-Seel. 2,069,014; Jan. 26.
Counter, Totalizing. F. B. Trontman. 2,068,719; Jan. 26.
Coupling: *See*—
Friction and direct drive coupling. Power transmitting coupling.
Pipe coupling.
Cover and making the same, Mattress. J. R. Johnson. 2,069,072; Jan. 26.
Cover for a contaminated mattress, Fumigating. W. Howard, Jr. 2,069,036; Jan. 26.
Crank counterbalance. C. M. Fergusson. 2,069,031; Jan. 26.
Crate, Shipping. W. H. Said. 2,068,819; Jan. 26.
Crawler wheel. C. A. Henneuse. 2,068,645; Jan. 26.
Cup: *See*—
Infant's feeding cup.
Curtain rod holder. R. J. Haskell. 2,069,144; Jan. 26.
Cushion joint. T. Lord. 2,068,994; Jan. 26.
Cutter bar and cutter chain. J. S. Beltz. 2,068,789; Jan. 26.
Cutter chain. R. R. Dunlop. 2,068,666; Jan. 26.
Cutter chain. R. K. Jeffrey. 2,068,802; Jan. 26.
Cutter chain. N. D. Levin. 2,068,808; Jan. 26.
Cutter chain and cutter bar. N. D. Levin. 2,068,807; Jan. 26.
Cutter mechanism. R. K. Jeffrey. 2,068,985; Jan. 26.
Dental preparation. M. Sahyun. 2,069,157; Jan. 26.
Derivatives of ovarian follicular hormones and obtaining same. D. W. MacCorquodale, S. A. Thayer, and E. A. Doisy. 2,069,096; Jan. 26.
Detector: *See*—
Rail fissure detector.
Detector for ultra short waves. K. Schlesinger. 2,068,768; Jan. 26.
Dial assembly. R. E. Newell and M. S. Unger. 2,068,693; Jan. 26.
Diaper. G. H. Jackson, Jr. 2,069,092; Jan. 26.
Dirigible. R. B. Respess. 2,068,870; Jan. 26.
Disazo-dyestuffs insoluble in water and fiber dyed therewith. K. Schnitzspahn and P. Jörg. 2,069,158; Jan. 26.
Discharge tube. O. Stettler. 2,068,775; Jan. 26.
Discharge tube, Gas-filled. H. H. Geffcken and H. R. Richter. 2,068,741; Jan. 26.
Dispenser: *See*—
Natural gas dispenser.
Dispensing device. E. Conti. 2,068,908; Jan. 26.
Dispensing support. T. B. Rayburn. 2,069,018; Jan. 26.
Display apparatus. P. J. Sanders. 2,068,933; Jan. 26.
Divided roller bearing. M. Cahn. 2,068,843; Jan. 26.
Division molding assembly for a windshield. A. J. Fisher and E. G. Simpson. 2,069,032; Jan. 26.
Door and hopper door latch, Hopper. J. J. Tatum. 2,068,895; Jan. 26.
Door construction, Silo. C. A. Bangert. 2,068,972; Jan. 26.
Door latch, Portable. J. Holland. 2,068,680; Jan. 26.
Door stop or check. S. Paolillo. 2,068,928; Jan. 26.
Drier: *See*—
Spray drier.
Drill: *See*—
Core drill.
Drill grinding appliance. G. D. Hardin. 2,068,915; Jan. 26.
Drive mechanism for machine tools, Reciprocating table. W. H. Feeney. 2,069,138; Jan. 26.
Duplex adding machine. W. A. Anderson. 2,068,650; Jan. 26.
Dustpan, Carpet sweeper. E. Callan. 2,068,943; Jan. 26.
Educational device, Optical. F. Hamilton. 2,068,950; Jan. 26.
Elastic permanent way. C. Stedefeld. 2,068,714; Jan. 26.
Electric incandescent lamp. K. Setoguchi. 2,069,081; Jan. 26.
Electrical apparatus. R. H. Beman. 2,069,003; Jan. 26.
Electrical device for the absorption of mechanical energy. R. Sarazin and A. Lagache. 2,068,820; Jan. 26.
Electrical plant, High voltage. G. M. Pestarini. 2,068,867; Jan. 26.
Electromagnetic device, High temperature slow. A. B. Rypinski. 2,068,712; Jan. 26.
Electromagnetic friction device. A. B. Cadman. 2,068,654; Jan. 26.
Electrosurgical severance of adhesions. F. C. and R. H. Wappler. 2,068,721; Jan. 26.
Engine: *See*—
Internal combustion engine.
Exhaust of internal combustion engines, Apparatus for silencing the. J. L. Lascroux. 2,068,636; Jan. 26.
Eyeshield. W. J. De Witt. 2,068,849; Jan 26
Fabric: *See*—
Printed textile fabric.
Face lifting device. F. A. Teal. 2,068,777; Jan. 26.
Fastener: *See*—
Belt fastener. Slide fastener.
Fastening device. B. L. Quarnstrom. 2,068,932; Jan. 26.
Faucet, Combination. P. Gavriles. 2,068,794; Jan. 26.
Feeding head for shaker or jigging conveyers. L. F. Jones. 2,068,953; Jan. 26.
Feeding mechanism for rock drills. J. C. Curtis. 2,068,661; Jan. 26.
Fender, Automobile. R. Cadwallader. 2,068,732; Jan. 26.
Ferrule. A. F. Craver. 2,069,177; Jan 26.
Film apparatus, Sound. E. W. Esdaile and R. Platt-Hepworth. 2,069,137; Jan. 26.
Firearm for firing bombs, Portable. L. Savani. 2,068,821; Jan. 26.
Fish, Device for opening shell. T. F. Leahey. 2,069,094; Jan. 26.
Flaming arcs, Apparatus for increasing the intensity of. M. E. Gleick. 2,068,795; Jan. 26.
Flare, Aerial. G. Tabozzi. 2,069,101; Jan. 26.
Fog, Dissipating. W. C. King, Jr. 2,068,987; Jan. 26
Footwear, Attachment for. R. Ferguson. 2,068,946; Jan. 26.

Form, Adjustable concrete spacer and clamp. R. C. Day. 2,069,085; Jan. 26.
Foundry system. H. A. Wurster. 2,068,835; Jan. 26.
Friction and direct drive coupling. J. A. Clark. 2,069,132; Jan. 26.
Fuel and preparing the same, Carbonaceous. J. H. Lum, and R. L. Schaefer. 2,069,074; Jan. 26.
Fuel apparatus, Economizing motor. J. G. Cleveland. 2,069,029; Jan. 26.
Fuel blend and making the same, Motor. F. A. Howard. 2,068,857; Jan. 26.
Fuel supply system. H. A. Hansen. 2,068,951; Jan. 26.
Furnace. E. W. Dany. 2,069,057; Jan. 26.
Furnace. H. A. Stewart. 2,069,120; Jan. 26.
Fuse for projectiles. V. R. Reed. 2,068,708; Jan. 26.
Galvanizing process. A. F. Bradley. 2,068,904; Jan. 26.
Game. O. F. Farley. 2,069,106; Jan. 26.
Game device. E. J. Collins, M. Hennessey, and P. Fraser. 2,069,134; Jan. 26.
Garment, Rubber. A. N. Spanel. 2,068,998; Jan. 26.
Gas burner. T. Forberg. 2,069,062; Jan. 26.
Gas mixing valve. H. H. Waters and R. H. Kerr. 2,068,897; Jan. 26.
Gas transportation system. R. G. Griswold. 2,069,161; Jan. 26.
Gases or suspensions in air or other gas, Device for detecting the presence of foreign. F. Hollman. 2,069,035; Jan. 26.
Gases, Refining hydrocarbon. C. C. Miller. 2,069,173; Jan. 26.
Gases, Separation of. C. C. Miller. 2,069,172; Jan. 26.
Gasoline, Improving. C. Ellis. 2,068,850; Jan. 26.
Gauge. E. E. Welk. 2,069,123; Jan. 26.
Gauge line purging system for oil cracking plants. R. M. Parsons. 2,068,690; Jan. 26.
Gear adjustment for steering gears, Worm. C. F. Hammond, Jr., and H. E. Pulleyblank. 2,069,143; Jan. 26.
Gear adjustment for steering gears, Worm. K. B. Hokanson. 2,068,679; Jan. 26.
Gear shifting mechanism. B. M. Truitt. 2,069,121; Jan. 26.
Generator: *See*—
Oscillation generator.
Glass and the like, Apparatus for printing on. C. G. Anderson. 2,068,649; Jan. 26.
Glass, Apparatus for cas hardening. R. S. Hinsey. 2,068,746; Jan. 26.
Glass blowing machine. E. G. Bridges. 2,069,130; Jan. 26.
Glass building block. D. E. Gray. 2,068,798; Jan. 26.
Glass containing cerium, Borosilicate. H. P. Hood. 2,068,801; Jan. 26.
Glass, Cover. S. L. Lebby. 2,068,805; Jan. 26.
Glass making apparatus and method. V. Mulholland. 2,068,925; Jan. 26.
Glass, Tempering. E. M. Guyer. 2,068,799; Jan. 26.
Glassware, Method of and apparatus for annealing. D. G. Merrill. 2,068,923; Jan. 26.
Glazing, Continuous came. W. R. McMann. 2,069,188; Jan. 26.
Globe, Lamp. C. J. Uhrmann. 2,068,967; Jan. 26.
Grain cleaner, separator, and the like. H. Flather; 2,069,139; Jan. 26.
Grid paster. J. E. Brown and A. B. Clark. 2,069,104; Jan. 26.
Grinder, Knife. P. H. Root. 2,069,097; Jan. 26.
Grinding mill, Air-swept. C. Nielsen. 2,069,174; Jan. 26.
Guard, Cylinder keyway. A. H. Unterberg. 2,068,936; Jan. 26.
Guide, Calking tool. J. D. Seiler. 2,068,874; Jan. 26.
Gun, Air. H. Schmeisser. 2,068,823; Jan. 26.
Gyrating screen. G. W. Behnke. 2,068,730; Jan. 26.
Hair, Permanent waving. F. Maeder. 2,068,809; Jan. 26.
Handle construction. A. Marchand. 2,068,922; Jan. 26.
Hanger and track, Door. H. S. Harvey. 2,068,674; Jan. 26.
Harness for cross weaving. J. J. Kaufmann. 2,068,986; Jan. 26.
Hearing aid. W. D. Penn. 2,068,698; Jan. 26.
Heater: *See*—
Automobile heater.
Heel. J. W. Courter. 2,068,657; Jan. 26.
Heel fastening means. M. W. Parker. 2,068,694; Jan. 26.
High frequency apparatus. F. A. Kolster. 2,068,991; Jan. 26.
Holder: *See*—
Container holder. Rail and cowtail holder.
Curtain rod holder.
Horn. E. Aufiero. 2,068,900; Jan. 26.
Hydraulic motion-controlling means. W. Taylor. 2,069,189; Jan. 26.
"Hydroformed solvent", Oxidized. C. Winning. 2,068,834; 26.
Hydroxy mercuri halo-fluoran. E. Lyons. 2,069,095; Jan. 26.
Indicating mechanism. M. T. Goetz. 2,068,669; Jan. 26.
Indicator for fluid variables. J. C. Diehl. 2,068,663; Jan. 26.
Infant's feeding cup. L. E. Goldman and A. Fischer. 2,069,089; Jan. 26.
Insecticide. C. B. Gnadinger. 2,068,742; Nov. 26.
Insole, Athletic. T. K. Balaskas. 2,068,786; Jan. 26.
Insulators, Process and apparatus for manufacturing. F. G. Bovard. 2,068,941; Jan. 26.
Internal combustion engine. R. K. Lee. 2,068,750; Jan. 26.
Internal combustion engine. R. Suczek. 2,068,878; Jan. 26.
Iron melted in a cupola furnace, Rapid recarburization of pig. H. Frauenknecht. 2,068,793; Jan. 26.
Jack: *See*—
Shoe jack. Vehicle jack.
Joint: *See*—
Cushion joint. Socket joint.
Rail joint.
Kiln, Rotary. M. Vogel-Jorgensen. 2,069,164; Jan. 26.
Kit, Pocket smoking. A. Henderson. 2,068,983; Jan. 26.
Knife sharpening machine, Beet. S. T. Freas and N. C. Bye. 2,069,140; Jan. 26.
Knitting machine. R. H. Lawson. 2,069,155; Jan. 26.
Knitting machine. M. C. Miller. 2,068,688; Jan. 26.
Label folding machine. A. Rosenthal. 2,069,115; Jan. 26.
Laminated materials, Apparatus for producing. K. Stuart. 2,068,893; Jan. 26.
Lamp: *See*—
Arc discharge lamp. Electric incandescent lamp.
Arc lamp.
Latch: *See*—
Door latch. Refrigerator latch.
Leg, Folding table. W. M. Boenning. 2,068,903; Jan. 26.
Lighter, Pyrophoric. A. Scheibinger and S. Koehireuter. 2,068,873; Jan. 26.
Liquid vaporizing and air humidifying apparatus. H. Hastings and W. B. Connolly. 2,069,145; Jan. 26.
Listing. O. F. Graebner. 2,068,912; Jan. 26.
Locking device for two relatively disconnectable parts. A. de Vries. 2,068,737; Jan. 26.
Locomotive. A. I. Lipetz. 2,068,751; Jan. 26.
Locomotive, Diesel driven. F. F. Murray. 2,068,864; Jan. 26.
Loom: *See*—
Circular loom.
Lubricated valve. W. McCausland and C. W. Stephen. 2,068,810; Jan. 26.
Lubrication fittings, Making. W. R. Konkle. 2,069,153; Jan. 26.
Lubriaction system. V. F. Zahodiakin. 2,068,727; Jan. 26.
Luggage carrier, Automobile. C. R. and R. C. Northrup. 2,068,960; Jan. 26.
Lumber, Making artificial. J. V. Nevin. 2,068,926; Jan. 26.
Machine for cutting seed potatoes. H. J. B. Kerr. 2,069,010; Jan. 26.
Machine for operating on heels. F. Ricks. 2,068,710; Jan. 26.
Machine tool. W. F. Groene, W. R. Meyer, and G. W. Luning. 2,069,107; Jan. 26.
Mailing tube. C. H. Quinlan. 2,068,765; Jan. 26.
Manifold and valve structure. B. Pratt and G. F. Weinreich. 2,069,017; Jan. 26.
Manifolding bookkeeping leaf. E. O. Haberfeld. 2,069,142; Jan. 26.
Marker, Road. W. H. Vaughan. 2,068,937; Jan. 26.
Material gathering and loading machine. J. S. Housman. 2,069,091; Jan. 26.
Materials, Apparatus for separating. C. A. Wendell. 2,068,783; Jan. 26.
Mechanism for, power transmission. C. F. Rauen. 2,068,869; Jan. 26.
Mechanism for specially forming, and for fitting releasing means of wire to, bottle closure caps of the crown seal variety. P. N. Vowles. 2,068,881; Jan. 26.
Metalworking machine. H. W. Rupple. 2,069,098; Jan. 26.
Metallic and nonmetallic members, Connecting. W. G. Furlong. 2,069,141; Jan. 26.
Metals, Apparatus for the production of light. R. E. Hulse and R. L. Hardy. 2,068,681; Jan. 26.
Mill: *See*—
Cooling roll refiner or like Grinding mill.
mill.
Milling and profiling machine. E. G. Rochm and M. Romaine. 2,068,889; Jan. 26.
Milling machine. A. F. Bennett and A. L. Krause. 2,068,840; Jan. 26.
Milling machine, Automatic three-dimensional pattern controlled. B. Sassen. 2,068,890; Jan. 26.
Mineral concentration. J. Hagood. 2,069,182; Jan. 26.
Mixer control system, Automatic. M. T. Goetz. 2,068,670; Jan. 26.
Molding mixture and making the same, Water-resistant. W. Bradenberg. 2,068,974; Jan. 26.
Motion device, Hydraulic reciprocating. A. E. Weaver. 2,069,122; Jan. 26.
Motor: *See*—
Two-speed capacitor motor. Windshield wiper motor.
Windshield cleaner motor.
Mounting corner, Transparent. A. W. Engel. 2,068,909; Jan. 26.
Mounting, Internal combustion engine. C. L. Humphrey. 2,068,747; Jan. 26.
Mounting, Saw. H. E. Tautz. 2,068,964; Jan. 26.

Naphthalene and prodncing same, Light colored highly halogenated. E. R. Hanson and S. Brown. 2,069,183; Jan. 26.
Natural gas dispenser. D. H. Kedzie. 2,068,804; Jan. 26.
Needle bar. A. Loimann. 2,069,109; Jan. 26.
Nest for domestic fowl, Identification. P. D. d'Almeida. 2,068,642; Jan. 26.
Nipple, Filtering. H. W. Jones. 2,068,858; Jan. 26.
Nipple screen adapter, Inlet. P. R. Aronson. 2,068,837; Jan. 26.
Nuts, Manufacture of. J. W. Howard. 2,069,008; Jan. 26.
Oatmeal porridge, Canning. E. C. Forbes. 2,068,910; Jan. 26.
Oil, Treating a petroleum. G. H. B. Davis and J. I. Wasson. 2,068,847; Jan. 26.
Oil well pump. G. G. Basher. 2,068,729; Jan. 26.
Oils, Conversion of hydrocarbon. H. V. Atwell. 2,069,191; Jan. 26.
Oils, Refining mineral lubricating. W. J. McGill. 2,069,170; Jan. 26.
1,2-aliphatic-diamine thiosulphates and preparing them. M. S. Kharasch. 2,069,167; Jan. 26.
Opener, Furrow. E. E. Hayes. 2,069,147; Jan. 26.
Ores and the generation of gas, Method and apparatus for the treatment of. J. A. Bradley. 2,068,842; Jan. 26.
Organic compounds, Treating oxygenated. P. K. Frolich. 2,068,854; Jan. 26.
Organo-mercury derivatives of 1,2-aliphatic-diamine thiosulphates and producing them. M. S. Kharasch. 2,069,166; Jan. 26.
Organo-mercury 1,2-aliphatic-diamine sulphites, and producing them. M. S. Kharasch. 2,069,165; Jan. 26.
Ornament, Hat. R. W. Olson. 2,068,760; Jan. 26.
Oscillation generator, High frequency. F. A. Kolster and P. F. Byrne. 2,068,990; Jan. 26.
Outlet box. J. Knell. 2,068,988; Jan. 26.
Oven valve. B. Pratt and G. F. Weinreich. 2,068,705; Jan. 26.
Over-running clutch. G. Slider. 2,068,773; Jan. 26.
Packing for sealing high pressure fluids. T. K. Vincent. 2,068,720; Jan. 26.
Packing for variable pressures, Metallic. H. T. Wheeler. 2,068,723; Jan. 26.
Packing, Stuffing box. P. Barry. 2,069,056; Jan. 26.
Pad: *See*—
Pedal pad.
Pad for the shoulders of wearing apparel. S. Frais. 2,068,644; Jan. 26.
Pail and cowtail holder, Combined anti-slipping milk. J. B. Hohmann. 2,068,647; Jan. 26.
Paint, Metallic. R. R. Thurston and R. J. Ruble. 2,068,966; Jan. 26.
Paper sheet material, Finishing composite. G. E. Gibbs. 2,069,063; Jan. 26.
Pastry, Manufacturing cup. J. Balton. 2,069,027; Jan. 26.
Pavement constructing. V. A. Poulson. 2,068,702; Jan. 26.
Pedal pad. A. S. Harbour. 2,069,066; Jan. 26.
Photographic relief process. L. T. Troland. 2,068,879; Jan. 26.
Physiologically active preparation and manufacture thereof. F. Schultz. 2,069,019; Jan. 26.
Pipe: *See*—
Tobacco pipe.
Pipe cleaner, Waste. M. F. Szukalski, Jr., and M. A. Szukalski, Sr. 2,069,100; Jan. 26.
Pipe coupling. M. J. Kaplan. 2,068,648; Jan. 26.
Piston machine, Rotary. E. Kägi. 2,068,018; Jan. 26.
Plaque, Memorial. A. Warembourg. 2,068,830; Jan. 26.
Plastic for laminated safety glass. G. B. Watkins and J. D. Ryan. 2,068,782; Jan. 26.
Plate, Baking. J. Balton. 2,069,026; Jan. 26.
Plug valve. S. J. Nordstrom. 2,069,013; Jan. 26.
Plunger, Floating pump. W. Jones, J. Sharp, and W. H. Boehm. 2,068,859; Jan. 26.
Plywood, Making. J. V. Nevin. 2,068,759; Jan. 26.
Point locating device. F. Schiesser. 2,068,822; Jan. 26.
Pole, Barber. J. W. Bestler. 2,069,103; Jan. 26.
Pot for spinning or doubling all kinds of fibers and device for discharging it, Flexible centrifugal. A. Arañó-Pratmarsó. 2,068,815; Jan. 26.
Pothead device. L. H. Thullen. 2,069,050; Jan. 26.
Powder distributor. O. R. Erwin. 2,068,978; Jan. 26.
Powder spraying device. W. H. Rose. 2,068,871; Jan. 26.
Power operator control mechanism. R. P. Breese; 2,068,942; Jan. 26.
Power tool. W. Hall. 2,068,745; Jan. 26.
Power transmission. A. J. Syrovy. 2,068,776; Jan. 26.
Power-transmitter. W. J. Peets. 2,068,929; Jan. 26.
Power transmitting coupling. C. B. Spase. 2,068,963; Jan. 26.
Press: *See*—
Printing press.
Pressing element. J. M. Dewey. 2,068,643; Jan. 26.
Pressure casting machine. J. N. Smith. 2,068,875; Jan. 26.
Pressure measuring device, Piezo electrical. W. Gutzke. 2,068,744; Jan. 26.
Printed textile fabric. A. M. Schwarzschild. 2,068,770; Jan. 26.
Printing press. H. J. Reardon. 2,068,707; Jan. 26.
Printing surfaces, Method of and apparatus for preparing. E. S. Ballard. 2,069,001; Jan. 26.
Propeller, turbine rotor, and like devices, Screw. A. J. Dikker. 2,068,792; Jan. 26.
Protector: *See*—
Bunion and corn protector. Corner protector.
Pump: *See*—
Oil well pump. Wave operating pump.
Vacuum pump.
Punching and riveting machine, Automatic. L. D. Marchant. 2,069,042; Jan. 26.
Pyrazolones containing wholly or partially hydrogenated cyclic hydrocarbon radicals. M. Bockmühl and W. Krohs. 2,068,790; Jan. 26.
Quenching, Centrifugal. H. J. Gregg. 2,068,913; Jan. 26.
Rack: *See*—
Refrigerator ice rack.
Rack for floor coverings and the like. J. H. Miller. 2,068,755; Jan. 26.
Radio construction. O. Ciccarelli. 2,068,844; Jan. 26.
Rail bond, Electrical. A. Alsaker and J. Rah. 2,068,639; Jan. 26.
Rail fissure detector. H. C. Drake. 2,069,030; Jan. 26.
Rail joint. H. A. Mumper. 2,068,758; Jan. 26.
Rail, Prayer. J. S. Wojtalewicz and O. F. Wegener. 2,069,124; Jan. 26.
Rail straightening implement. P. E. Fischer. 2,068,667; Jan. 26.
Railway signaling system. H. Chireix and P. Nicolas. 2,068,655; Jan. 26.
Ratio transmission, Variable. O. E. Szekely. 2,069,023; Jan. 26.
Razor, Safety. N. Testi. 2,068,717; Jan. 26.
Records, Production of sound. G. Kögel. 2,068,919; Jan. 26.
Rectifier for wireless television reception. K. Schlesinger. 2,068,769; Jan. 26.
Rectifying system. H. Winograd. 2,068,970; Jan. 26.
Reflector. R. Wendell. 2,068,781; Jan. 26.
Refrigerating apparatus. R. K. Miller. 2,068,689; Jan. 26.
Refrigerating apparatus. T. S. Pendergast and R. Baum. 2,068,697; Jan. 26.
Refrigerating apparatus of the intermittent type, Air-cooled reabsorption. P. Scholl. 2,068,891; Jan. 26.
Refrigerating system. W. W. Higham. 2,068,677; Jan. 26.
Refrigerator. M. Hokanson. 2,069,149; Jan. 26.
Refrigerator ice rack. M. Hokanson. 2,069,148; Jan. 26.
Refrigerator latch. C. Geske and G. E. De Voe. 2,069,088; Jan. 26.
Regulator for the fuel pressure in internal combustion engines. L. L. Viel. 2,068,938; Jan. 26.
Relay. W. D. Hailes. 2,069,162; Jan. 26.
Relay. R. C. Leake. 2,069,269; Jan. 26.
Relay. J. F. Merkel. 2,069,171; Jan. 26.
Relay winding. L. M. Keefe. 2,068,682; Jan. 26.
Remote control for radio apparatus. G. L. Beers. 2,069,127; Jan. 26.
Resinous condensation products containing urea or its derivatives, Preparing. F. Seebach. 2,069,117; Jan. 26.
Resins and composition produced thereby, Dispersing. H. M. Dent, S. H. Hall, and L. A. Sontag. 2,069,178; Jan. 26.
Revolving connecter. H. Asklund. 2,069,126; Jan. 26.
Roaster, Automatic. H. C. A. Behr and J. J. Eck. 2,069,192-3; Jan. 26.
Roll, Rubber covered suction. A. H. Standley and H. H. Burrows. 2,069,119; Jan. 26.
Roof cooling device. L. H. Holder. 2,069,150; Jan. 26.
Roofing, Process and apparatus for producing variegated. B. S. Penley. 2,068,761; Jan. 26.
Roofing, Process and apparatus for surfacing. J. Robert. 2,068,767; Jan. 26.
Rubber and vulcanizing the same, Vulcanized. J. E. Whittenberg. 2,069,053; Jan. 26.
Rubber article such as baby pants. A. N. Spanel. 2,068,997; Jan. 26.
Rubber compounding. A. A. Somerville. 2,068,935; Jan. 26.
Rubber, Reclaiming. J. P. Ioannu. 2,069,151; Jan. 26.
Salicylic esters of acyl glycols and manufacture of same. E. Preiswerk. 2,069,175; Jan. 26.
Sash balance, Window. E. A. Anderson. 2,069,025; Jan. 26.
Screen: *See*—
Gyrating screen.
Screens, Method of and apparatus for manufacturing. R. D. Heller. 2,068,675; Jan. 26.
Seal for ink housings of printing presses. A. Behringer. 2,068,839; Jan. 26.
Separator: *See*—
Coin and token separator.
Septic tank. G. W. Davis. 2,069,058; Jan. 26.
Sewing machine. A. H. Goodwin. 2,068,671; Jan. 26.
Sewing machines, Pinking attachment for. N. Pedersen. 2,069,113; Jan. 26.
Sewing machines, Presser foot for. F. Ebert. 2,069,006; Jan. 26.

Shaker, Combination salt and pepper. J. La Douce. 2,068,749; Jan. 26.
Shelf, Adjustable. C. F. Hoffman. 2,069,067; Jan. 26.
Shield, Spark plug. H. Rabezzana. 2,069,046; Jan. 26.
Shingle, Interlocking. S. P. Miller. 2,068,756; Jan. 26.
Shipping container. J. C. Miller. 2,068,812; Jan. 26.
Shock absorber. C. Saurer. 2,069,049; Jan. 26.
Shock absorber. G. E. Smith. 2,068,996; Jan. 26.
Shoe and making same. R. W. Bowen. 2,068,651; Jan. 26.
Shoe construction. J. E. Langley. 2,068,860; Jan. 26.
Shoe jack. T. Marcus. 2,068,957; Jan. 26.
Shoe with elastic portion. P. Adamson. 2,069,083; Jan. 26.
Shoes, Making. E. J. Ray. 2,068,706; Jan. 26.
Shutter, Photographic. L. Goldhammer. 2,068,911; Jan. 26.
Sign; *See*—
Traveling sign.
Sign. W. R. Ten Broeck. 2,068,778; Jan. 26.
Slat for Venetian blinds and method of making. G. D. Dodge. 2,068,977; Jan. 26.
Slicing machine. H. J. Criner. 2,068,733; Jan. 26.
Slicing machine. J. Folk. 2,068,980; Jan. 26.
Slide fastener. M. Winterhalter. 2,068,939; Jan. 26.
Socket joint, Triangular. G. H. Hufferd. 2,068,917; Jan. 26.
Socket, Lamp. R. Popp. 2,068,930; Jan. 26.
Soldering iron. W. Amos. 2,068,728; Jan. 26.
Sole plate for shoe presses. W. S. Anderson. 2,069,055; Jan. 26.
Sorting machine. E. G. Wilson. 2,068,725; Jan. 26.
Sound currents, Transmission of. E. S. Lapsing. 2,068,685; Jan. 26.
Sound recording and reproducing, Apparatus for. L. P. Durand and P. C. Ricchiardi. 2,069,136; Jan. 26.
Soy-bean oil, and obtaining lecithin, Converting. H. R. Kraybill. 2,069,187; Jan. 26.
Spindle and bearing means for the same, High speed. K. Brüll. 2,068,652; Jan. 26.
Spray device. S. Majewski. 2,069,076; Jan. 26.
Spray drier, Belt delivery. W. S. Bowen and J. Freeman. 2,068,841; Jan. 26.
Spray purge mechanism, Oil. C. O. Pratt. 2,068,816; Jan. 26.
Sprayer. R. Bernhardt. 2,069,156; Jan. 26.
Spring expansion bend. J. Y. Snyder, Jr. 2,068,876; Jan. 26.
Spring suspension, Vehicle. A. F. Hickman. 2,068,676; Jan. 26.
Sprinkler, Twin. W. VanE. Thompson. 2,068,718; Jan. 26.
Stanchion assembly. C. O. Patten. 2,068,888; Jan. 26.
Staybolt, Movable. J. Urbanek and H. Heinzel. 2,068,968; Jan. 26.
Steel, Manufacturing low carbon. E. C. Bain and H. Gruber. 2,068,785; Jan. 26.
Stem for electric lamps and similar articles. F. H. Rudd. 2,069,079; Jan. 26.
Still and coil cracking, Combined. F. A. Howard. 2,068,856; Jan. 26.
Stock quotation system. H. C. Robinson and J. I. Bellamy. 2,068,711; Jan. 26.
Stopper, Bottle. G. F. Pinsuti. 2,069,045; Jan. 26.
Stretcher for garments. A. J. Newton. 2,069,015; Jan. 26.
Stupes and the like, Device for treating. W. P. Myron. 2,068,692; Jan. 26.
Support; *See*—
Dispensing support.
Support for pipes, handrails, or other like objects. J. G. Blunt. 2,068,902; Jan. 26.
Swift. A. F. Pearson. 2,069,114; Jan. 26.
Switch; *See*—
Direction indicator switch.
Switch mechanism. R. Popp. 2,068,701; Jan. 26.
Synchronizing system. W. G. H. Finch. 2,069,061; Jan. 26.
Syringe, Hypodermic. M. Nevin. 2,068,927; Jan. 26.
Syrup. H. C. Gore and C. N. Frey. 2,069,064; Jan. 26.
Table slide. W. T. Green. 2,068,743; Jan. 26.
Tachometer, Recording. U. Kohler. 2,069,152; Jan. 26.
Tank; *See*—
Septic tank.
Tank and operating the same, Regenerator. V. Mulholland. 2,068,924; Jan. 26.
Tank equipment, Oil field. J. M. Thomas. 2,068,965; Jan. 26.
Target. F. W. Preece. 2,068,764; Jan. 26.
Telegraph system. W. M. Bacon. 2,069,000; Jan. 26.
Telephone subscriber's substation. J. M. Labaugh. 2,069,038; Jan. 26.
Telephone system. E. Wochinger. 2,068,726; Jan. 26.
Temperature regulating valve. W. B. Lodder. 2,069,040; Jan. 26.
Textiles, leather and wood, Preservation of. A. I. Virtanen. 2,068,880; Jan. 26.
Thermo-compressor. E. E. Kleir. 2,068,748; Jan. 26.
Thermostatic by-pass riser. F. H. Heitger. 2,068,952; Jan. 26.
Thermostatic control mechanism. R. H. Beman. 2,069,002; Jan. 26.
Ticket printing and issuing machines for totalizators. J. Handley. 2,068,914; Jan. 26.
Tire chain applying tool. W. D. Meyers. 2,068,887; Jan. 26.
Tire retread and producing and applying the same. P. E. Hawkinson. 2,069,090; Jan. 26.
Titanium compounds, Preparation of. H. Spence and S. F. W. Crundall. 2,068,877; Jan. 26.
Tobacco pipe. J. Pedery and R. H. Moore. 2,068,866; Jan. 26.
Tool; *See*—
Machine tool.
Power tool.
Tire chain applying tool.
Tool attachment. A. L. Kuhlman. 2,069,108; Jan. 26.
Tooth-root membrane, Device for treating the. S. Oppenheim. 2,069,112; Jan. 26.
Towing fin for vessels. A. C. Leigh. 2,068,921; Jan. 26.
Toy, Mechanical. H. G. Fisher. 2,069,181; Jan. 26.
Traffic control system for railroads, Centralized. R. M. Phinney. 2,069,044; Jan. 26.
Traffic controlling system for railroads, Centralized. C. S. Bushnell and F. W. Brixner. 2,068,906; Jan. 26.
Traffic controlling system for railroads, Centralized. W. F. Powell. 2,068,931; Jan. 26.
Trailer for road vehicles. M. R. Butler and W. H. Harding. 2,069,004; Jan. 26.
Train control system, Automatic. C. S. Bushnell. 2,068,907; Jan. 26.
Train control system for railroads. W. H. Reichard. 2,068,766; Jan. 26.
Train dispatching system for railroads. O. H. Dickie. 2,068,736; Jan. 26.
Transferring mechanism. J. F. Donovan and F. J. Malloy. 2,069,086; Jan. 26.
Transmission control. P. L. Tenney and O. Rasmussen. 2,068,716; Jan. 26.
Transmission mechanism of the V-pulley type. G. J. Abbott. 2,068,784; Jan. 26.
Transmission ratio, Device for automatically changing. C. Fontana. 2,069,007; Jan. 26.
Trap; *See*—
Animal trap.
Trap. F. R. Conibear. 2,068,656; Jan. 26.
Traveling sign. T. Naus. 2,069,110; Jan. 26.
Truck, Industrial. H. A. Stevenson. 2,068,825; Jan. 26.
Tube; *See*—
Discharge tube.
Mailing tube.
Tubing catcher. C. S. Crickmer. 2,068,659; Jan. 26.
Tuning indicator for radio receivers. J. A. Briggs. 2,069,131; Jan. 26.
Turf and soil, Cultivating. E. H. Tustain. 2,068,828; Jan. 26.
Two-speed capacitor motor. G. E. Michelsen. 2,069,077; Jan. 26.
Typewriter. B. Baumann. 2,068,788; Jan. 26.
Vacuum pump. J. P. Johnson. 2,068,803; Jan. 26.
Vaginal irrigating appliance. J. A. Kirk. 2,069,168; Jan. 26.
Values from aluminum, Apparatus for the recovery of. A. F. Baumbauer and W. Culver. 2,068,640; Jan. 26.
Valve; *See*—
Air valve.
Automatic valve.
Check valve.
Control valve.
Gas mixing valve.
Lubricated valve.
Open valve.
Plug valve.
Temperature regulating valve.
Valve and guide bushing ejector. L. J. Clossey. 2,069,133; Jan. 26.
Valve—ball type, Tank flush. W. C. Groeniger. 2,068,672; Jan. 26.
Valve for motor vehicle suction lines. E. C. Horton. 2,069,069; Jan. 26.
Valve for pneumatic tires for motor driven vehicles giving acoustic signals. V. O. Blatz. 2,069,128; Jan. 26.
Valve tip, Injection. R. H. Hoadley. 2,068,678; Jan. 26.
Vanillin from waste sulphite pulp liquor, Manufacture of. H. Hibbert and G. H. Tomlinson, Jr. 2,069,185; Jan. 26.
Vapor disseminating package. S. J. Dunaway. 2,069,179; Jan. 26.
Vehicle. J. A. Dorst. 2,068,664; Jan. 26.
Vehicle body structure. C. E. Stevens. 2,068,715; Jan. 26.
Vehicle jack. E. R. Lynes. 2,069,012; Jan. 26.
Vehicle steering mechanism. D. K. Badertscher. 2,068,901; Jan. 26.
Ventilating device, Vehicle. H. G. Thunder. 2,069,102; Jan. 26.
Ventilator. T. A. Heppenstall. 2,068,916; Jan. 26.
Vessel, Cooking. W. D. Antrim. 2,069,125; Jan. 26.
Vibrating machine. E. P. Larsh. 2,068,992; Jan. 26.
View finder for photographic cameras, Reducing telescopic. L. E. W. Van Albada. 2,068,829; Jan. 26.
View framing device for view finders, Adjustable four-way. N. G. Petersen. 2,068,099; Jan. 26.
Viscosimeter. J. H. Dillon. 2,068,976; Jan. 26.
Viscosity-responsive device. H. T. Booth. 2,068,973; Jan. 26.

Volatile matter from a liquid, Apparatus and process for continuously removing. A. U. Ayres and N. Brewer. 2,068,971; Jan. 26.
Voltage system for detecting suspended matter in fluids, Regulated. H. C. Grant, Jr. 2,069,160; Jan. 26.
Wall or partition, Metallic. E. G. Budd. 2,069,176; Jan. 26.
Wall, Sectionally supported. H. A. Mannshardt. 2,068,863; Jan. 26.
Warning device. L. R. Adams. 2,069,054; Jan. 26.
Warning device, Low air pressure. H. Kruse. 2,069,154; Jan. 26.
Washing machine. J. Lunoe. 2,068,753; Jan. 26.
Waterer, Automatic fountain. C. E. Hanny. 2,068,981; Jan. 26.
Wave operated pump. L. Brynild. 2,068,653; Jan. 26.
Welding apparatus, Direct current. H. A. W. Klinkhamer. 2,068,883; Jan. 26.
Well drilling and coring apparatus. L. E. Powell. 2,068,704; Jan. 26.
Wheel; *See*—
Crawler wheel.
Wheel. F. C. Frank. 2,068,947; Jan. 26.
Wheel and making the same, Composite grinding. B. Sanford. 2,069,116; Jan. 26.
Wheel suspension, Vehicle. E. J. Delahanty. 2,068,734; Jan. 26.
Wheels, Making. H. J. Horn. 2,069,068; Jan. 26.
Windshield cleaner motor. E. C. Horton. 2,069,070; Jan. 26.
Windshield wiper motor. R. W. Newton. 2,069,016; Jan. 26.
Wire, Apparatus for drawing and reeling. H. Zarafu. 2,068,836; Jan. 26.
Wire, Apparatus for the manufacture of insulated. E. W. Forstrom and C. O. Hull. 2,069,087; Jan. 26.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 26, 1937

NOTE.—First number=class, second number=subclass, third number=patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1937

Patents Nos. 2,066,309 to 2,067,164

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Designs	71—No.	102,601 to No.	102,671, inclusive
Total	1,151		

Notice of Cancellation

U. S. Patent Office, *Washington, Dec. 7, 1936.*

Utiliten Corporation, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Williams Oil-O-Matic Heating Corporation, 1201 East Bell Street, Bloomington, Ill., to effect the cancellation of trade-mark registration of Utiliten Corporation, 420 Lexington Avenue, New York, N. Y., No. 330,544, dated December 3, 1935, and the notice of such proceeding sent by registered mail to the said Utiliten Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Utiliten Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN.
First Assistant Commissioner.

Printed Copies of Trade-Marks

A printed copy of the drawing and statement of any registered trade-mark can be obtained for ten cents.

Printed Copies of Patents

A printed copy of the complete specification and drawings of any patent published herein can be obtained for ten cents.

Cross-References in Cases Relating to Same Subject

Rule 43. When an applicant files two or more applications relating to the same subject matter of invention, all showing but only one claiming the same thing, the applications not claiming it must contain references to the application claiming it.

Drawings

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

Adjudicated Patents

(D. C. N. Y.) Evans patent, No. 1,892,426, for method of and means for permanently waving hair, claims 1, 2, 4, 7, and 8 *Held* valid and infringed. *Zotos Corporation v. Rader*, 16, F. Supp. 681.

(D. C. N. Y.) Evans patent, No. 1,894,032, for method of and means for permanently waving hair, claims 1 to 6, inclusive, *Held* valid but not infringed. *Id.*

(D. C. N. Y.) Evans patent, No. 1,919,690, for method of and means for permanently waving hair, claims 25 to 34, inclusive, *Held* valid and infringed. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,885,584, Odilon Brisbois, Process of joining type characters and type bars, decided December 12, 1936, claims 1, 3, 4, and 5.

Pat. 1,886,257, Odilon Brisbois, Type bar soldering machine, decided December 12, 1936, claims 1, 4, 5, 6, 9, 11, 13, 14, 15, and 16.

Pat. 1,908,381, Charles Travis, Radio receiving system, decided December 12, 1936, claims 1, 2, 4, 6, 7, 8, and 9.

Pat. 1,974,140, C. E. Irion and G. L. Craig, Production of an adherent patina upon copper or its alloys, decided December 16, 1936, claims 1, 2, 3, 4, and 5.

Pat. 1,976,523, W. K. Sonnemann, Synchronizing system, decided December 16, 1936, claims 3 and 4.

Condition of Applications Under Examination at Close of Business December 19, 1936

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 34,714; Trade-Mark Division, 1,783. Oldest new case, June 6, 1936; oldest amended, June 10, 1936.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 28	Oct. 17	313
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Aug. 3	Aug. 5	997
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 6	Oct. 1	399
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Aug. 26	Aug. 19	590
3077	5. MACNAB, J. F., Harvesters; Music: Acoustics: Sound Recording; Knotters; Buckles, Buttons, Etc.	Sept. 18	Sept. 16	419
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 17	Sept. 2	701
5725	7. JARBOE, C. G., Optics; Photography	Sept. 26	Sept. 25	788
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Sept. 21	Sept. 24	433
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 6	Oct. 1	365
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Sept. 22	Sept. 28	353
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 5	Oct. 5	370
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Sept. 22	Sept. 22	298
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 12	Oct. 12	371
5097	14. SMITH, G. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 28	Aug. 28	577
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Sept. 23	Sept. 23	828
5612	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 9	Sept. 9	708
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 19	Sept. 21	528
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 20	Aug. 29	454
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 5	Sept. 9	637
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 29	Sept. 4	414
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 19	Sept. 19	592
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Sept. 26	Sept. 26	565
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	June 6	June 10	505
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 30	Sept. 30	510
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 22	Sept. 21	543
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 6	Oct. 6	283
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	July 30	July 30	775
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Sept. 16	Aug. 26	337
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Sept. 24	Sept. 24	494
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 22	Aug. 19	642
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 10	Sept. 30	472
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Oct. 1	Oct. 1	468
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 10	Sept. 10	717
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Sept. 19	Sept. 25	356
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Aug. 17	Aug. 18	596
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 23	Sept. 25	244
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Sept. 5	Sept. 3	548
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 26	Oct. 3	380
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 20	Oct. 19	317
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 19	Aug. 19	1071
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 27	Sept. 1	514
5882	42. CUTTING, H. O., Electric Signaling	Sept. 16	Sept. 11	416
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Sept. 19	Sept. 19	630
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Sept. 8	Sept. 3	617
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Sept. 28	Sept. 26	311
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 15	Sept. 19	570
7600	47. BARKER, H., Clutches; Brakes	Oct. 5	Sept. 25	454
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 21	Sept. 21	540
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 14	Oct. 1	388
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Sept. 19	Sept. 19	506
5628	51. BACKUS, C. D., Radiant Energy	Sept. 25	Sept. 25	688
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 3	Oct. 12	535
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 18	Aug. 22	903
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Sept. 23	Sept. 28	329
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 4	Aug. 18	689
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Sept. 19	Sept. 19	893
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Aug. 15	Aug. 15	385
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 23	Sept. 18	278
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Sept. 30	Oct. 9	405
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Aug. 11	Aug. 13	564
6724	61. PARKS, O. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 29	Sept. 5	236
3876	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 21	Sept. 26	448
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting; Fermentation	Sept. 22	Sept. 22	405
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Sept. 24	Sept. 24	665
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 18	July 16	771
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Nov. 19	Dec. 1	1435
	{Labels and Prints	Nov. 19	Dec. 4	348
2605	DESIGNS, H. H. KALUPY	Nov. 24	Dec. 7	616

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

CAMBRIDGE TRUST COMPANY, EXECUTOR OF THE ESTATE OF LEONARD T. TROLAND, DECEASED, TECHNICOLOR MOTION PICTURE CORPORATION AND TECHNICOLOR, INC.

v.

COE, COMMISSIONER OF PATENTS.

No. 6,615. Decided November 23, 1936.

1. PATENTABILITY—PROCESS AND PRODUCT.
   Where claims for a process have been found patentable *Held* that it does not necessarily follow that the product of such process is also patentable.
2. SAME—METHOD OR DEVICE SATISFYING RECOGNIZED WANT.
   "Where the method or device satisfies an old and recognized want, invention is to be inferred, rather than the exercise of mechanical skill, for mere skill in the art would normally have been called into action by the generally known want."
3. SAME—PROCESS AND PRODUCT.
   "To justify the issuance of a patent, the product must be new as such; it must stand upon its own invention, independently of the process through which it is made."
4. SAME—COLORED MOTION PICTURE FILM HAVING BLACK AND WHITE SOUND RECORD.
   Claims for a motion picture film having the picture portion in natural colors and the sound record in plain black and white *Held* unpatentable over the prior art.
5. SAME—SAME.
   Where the concept of a film having a colored picture portion and a colored sound track was obvious from the prior art *Held* that a mere variation in the film by substituting a black and white sound track which was known to be superior was such an obvious step to one skilled in the art that it does not rise to the dignity of invention.

Affirmed.

Mr. Robert Cushman and *Mr. Arlon V. Cushman* for Cambridge Trust Company et al.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice; VAN ORSDEL, GRONER and STEPHENS, Associate Justices.

VAN ORSDEL, *A. J.:*

This appeal is from a decree of the District Court of the United States for the District of Columbia (formerly the Supreme Court of the District) in a suit brought under the provisions of Sec. 4915, R. S. (35 U. S. C. sec. 63), as amended, to authorize the Commissioner of Patents to issue Letters Patent on certain claims of an application, relating to a motion picture film having scenes depicted thereon in natural colors, together with a black and white sound track on the margin for reproducing the sounds accompanying the scenes.

The application was filed in the Patent Office by one Leonard T. Troland, now deceased. While the application was pending in the Patent Office, Troland executed an assignment to the Technicolor Motion Picture Corporation, which company subsequently executed a mortgage to Technicolor, Inc. Upon the death of Troland, the Cambridge Trust Company was appointed executor of his estate.

The Board of Appeals finally rejected all twelve claims of the application, whereupon Troland's executor, the Technicolor Motion Picture Corporation and Technicolor, Inc., filed suit as above noted.

The court below decreed that the owner of the application was entitled to Letters Patent on claims 6, 7, 8, and 9, which are process claims, and dismissed the bill as to the remaining claims. From the decree plaintiffs took this appeal. The Commissioner did not appeal from the allowance of the process claims. The appellants have formally waived claims 1, 2, and 10. Hence only claims 3, 4, 5, 11, and 12 are before the court for adjudication.

The claims in suit are product claims, which, though varying slightly in expression and scope, relate to the same product, namely, a motion picture film having pictures thereon in natural colors and a sound record in black and white.

Patents covering the claimed invention have been granted in Great Britain, Germany, France, Argentina, and Canada. The claims in the foreign patents correspond to those in the present application. It also appears that this product has gone into extensive commercial use. It has been used in approximately 264 pictures, totalling more than 125,000,000 feet of film. These pictures have been displayed in practically every country in the world. It is claimed that this product is the only natural color film which may be used, with accurate sound reproduction, in any theater, despite the differences in the various types of sound reproducing machines now in use.

The claims here in issue were rejected by the tribunals of the Patent Office as covering matter unpatentable in view of the prior art, citing three patents, namely: Ries, No. 1,473,976, dated November 13, 1923; Thornton, No. 1,361,783, dated December 7, 1920; and Wyckoff et al., No. 1,303,837, dated May 13, 1919.

The Ries patent discloses the production of a motion picture film having both the pictures and sound record in black and white. Ries makes no reference whatever to natural color pictures. In other words, what Ries discloses is the ordinary commercial product in which both pictures and sound are produced photograpically in black and white.

The Wyckoff patent makes no reference either to a sound record or to motion pictures in natural colors. Wyckoff's disclosure relates to the making of motion pictures in black and white by the ordinary photographic process, and then tinting the pictures, after they have been completed, in a crude attempt to produce natural colors. His method, in substance, was to tint selected portions of a negative film and then press the negative against the corresponding positive, so that the coloring was transferred to the positive print.

The expert testimony adduced by appellants at the trial was to the effect that Wyckoff's method was impractical, and the court below, in his findings of fact, said:

"The Wyckoff and Handschiegl Patent No. 1,303,837 describes the making of motion pictures in black and white by the ordinary photographic process and then tinting certain portions of the black and white picture with coloring matter after the picture has been completed in black and white. The result is a tinted black and white picture. • • • There is a vital distinction between pictures in natural colors and tinted black and white pictures particularly for the reason that with tinted pictures the color effect can be secured, even in a limited degree, only in the high-light portions and not in the shadows, the heavy deposit of silver in the shadows preventing the color from producing the proper effect; also for the reason that pictures in natural colors require at least two and preferably three complementary colors and Wyckoff et al., disclose only one 'tint'."

The Thornton patent discloses no sound track. It relates to a method of coloring pictures which, while it might be of use on still pictures, is impractical for use in the motion picture art. The lower court found as a fact that Thornton's method has never been employed in producing motion pictures, and that his patent "describes no process which will give an acceptable motion picture film in natural color".

The court also found that it is not possible successfully to combine Ries and Wyckoff in any way to secure Troland's product; that if such a combination were attempted, the result would be a black and white picture record, with a color tint superimposed, and a black and white sound track, something substantially different from Troland's product. The court further found that it is impossible to combine any of Thornton's methods of coloring with a black and white sound track, as disclosed by Ries, to produce pictures in natural color, suitable for motion picture projection with a sound track in black and white.

Appellant's process claims, covering the method of producing this film, having been held patentable by the lower court, we come now to the adjudication of the patentability of the completed product. The product obtained was the result of a new process, combining elements anticipated by prior inventors.

[1] We are not in agreement with the contention of counsel for the appellant that, because claims for the process were held to be patentable by the court below, it necessarily follows that the product is also patentable. This court held to the contrary in *In re Higgins*, 40 App. D. C. 29. It has been repeatedly held that a process for the making of a product may be patentable, while the product may be lacking in invention, if it is lacking in novelty. This, we think, is the difficulty which here confronts the appellant.

[2] We are not impressed by the contention that the widespread commercial success and utility of this product is evidence of its patentability. It is true that evidence of great utility may, in some circumstances, be accepted as evidence of invention. (Where the method or device satisfies an old and recognized want, invention is to be inferred, rather than the exercise of mechanical skill, for mere skill in the art would normally have been called into action by the generally known want.) *Paramount Corp.* v. *Tri-Ergon Corp.*, 294 U. S. 464, 474. Troland can hardly be said to have supplied an old and recognized want. Talking pictures were first displayed in 1926, with a disc arrangement for sound, and then in 1927 with sound reproduced by the film method. Troland filed his application in 1928. The Technicolor Motion Picture Corporation (which appears to have been the exclusive producer of colored talking pictures, with the exception of a few colored talking cartoon films, with colored sound tracks) produced its first talking picture in natural colors in 1931, using Troland's method. It thus appears that there was no generally recognized demand for talking pictures in natural colors until after Troland applied for a patent.

This same factual situation distinguishes the case at bar from *Wach* v. *Coe*, 64 App. D. C. 235, which appellants claim controls here. There we had a device for coupling up to a single shaft the power generated by a reciprocating steam engine and that generated by an exhaust steam turbine. The Patent Office denied applicant a patent, holding that the device was obvious, and the Supreme Court of the District of Columbia dismissed applicant's bill. This court reversed the case, and in the course of its opinion clearly illustrated the distinction between the Wach case and the case at bar, as follows:

"The idea of utilizing in a steam turbine the exhaust steam from a reciprocating engine and propelling a ship with the combined power of the engine and the turbine was disclosed as early as 1901 by Parsons • • • but he did not know how effectively to connect the engine and turbine to the same propeller shaft. • • • For almost a quarter of a century following the Parsons invention efforts were made by leading marine engineers of the world to connect the engine and turbine to the same propeller shaft, but without success. • • • It thus appears that the best marine engineers in the world, with unlimited means at their command, failed to solve the problem, the solution of which the tribunals of the Patent Office and the court below have ruled to be obvious to any one skilled in the art."

The trial court was right in holding the product to be unpatentable. In his opinion the learned justice refused to allow the product claims on the authority of *Paramount Publix Corporation* v. *American Tri-Ergon Corp.*, 294 U. S. 464. In that case claims were held unpatentable which involved

"a method of producing a single photographic film by printing upon it a picture record and a sound record from separately exposed and developed negatives".

In holding that there was no patentability, on the basis of the prior art, the court said:

"Successful operation of the talking motion picture involves synchronization of the sound and picture records. The difficulties of synchronization are obvious where the recorded picture and sound are separately reproduced by independent mechanisms. Success has been achieved, and convenience in the use of the two records secured, by uniting them upon a single positive film and passing it at the requisite uniform speed through a single apparatus designed to reproduce both the sound and the picture. A familiar method of securing the two records on a single film is by photographing simultaneously the picture record and the sound record side by side upon the same strip of film and then printing from the developed negative a single positive film."

In pointing out that this method is disclosed in a number of foreign, as well as domestic patents, reference is made, among others, to the patent to Ries, as showing that there is nothing new in photographing the picture record and the sound record, side by side on the same film, and printing therefrom a single positive film. In disposing of the claims there made, the court said:

"It will be observed that the claimed method or process is for combining sound and picture records on a single film and comprises three steps: first, the simultaneous photographing of a picture record and a record of the accompanying sound, each on a separate negative; second, the separate development of the two negatives in a manner appropriate to each; and third, the printing, either simultaneously or successively, from the two negatives of the sound record and the picture record side by side on a single positive film."

After a prolonged discussion of the prior art, the court stated that the claim to invention was narrowed to the contention

"that the patentees secured the benefit of these well known advantages by resort to the added step of uniting the two separate photographic records, sound and pictures, by printing them on a single film."

It is clear, we think, that if the process there involved was unpatentable because it was obvious, the product here under consideration must be held to be unpatentable for the same reason.

[3] [4] (To justify the issuance of a patent, the product must be new as such; it must stand upon its own invention, independently of the process through which it is made.) We think Troland's conception, in view of the prior art, is obvious to anyone skilled in the art. The key to the situation lies in the combination of Ries and Thornton. It appears from expert testimony that a combination of Ries and Thornton, using the latter's preferred cyanotype method, would not produce a film having colored pictures with a black and white sound track. The sound track under the cyanotype process would be blue. The satisfactory use of this sound track, due to the variations in the kinds of photo-electric cells used in sound reproducing machines, is restricted to limited types of such machines. This fact being well known, there could be no invention in conceiving a film in colors with the sound track in black and white so that it could be used in all types of sound reproducing machines. In other words, all that was necessary was to substitute a black and white sound track for the blue sound track.

In this connection the Board of Appeals in its decision said:

"In view of the very brief and broad reference to the simple solution of the problem we think that after it was found that color tints interfere with the sound record, if present therein, that inventive concept is not involved in broadly separately producing these two zones on the film, leaving the sound record in plain black and white. We find no distinction as to patentability between the conception, whether stated as a partially produced film as in claims 1 and 2, or the completed film as in claims 3, 4, and 12, or the method claims 5 to 10. It is our conclusion that patentability is not involved in the association of the broad features, namely, a black and white sound record of Ries on a picture film with pictures produced in natural or other colors in the picture zone as in Wyckoff et al., or Thornton."

[5] The concept of a film having colored pictures and a colored sound track was obvious from the prior art; therefore a mere variation in the film by substituting a black and white sound track, which was known to be superior, was such an obvious step to one skilled in the art that it does not rise to the dignity of invention.

The decree is affirmed with costs.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,226,604, Sherwood & Baldwin, Core box for bladed diaphragms of steam turbines, D. C. N. Y. (Buffalo), Doc. 1949, *G. Baldwin et al.* v. *The Moore Steam Turbine Corp.* Dismissed for lack of prosecution Nov. 10, 1936.

1,247,540, 1,247,542, Re. 15,140 (of 1,247,543), 1,286,017, Re. 19,577 (of 1,341,561), W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage, etc., D. C., W. D. N. Y., Doc. E 1892, *Activated Sludge, Inc.*, v. *Filtros, Inc.* Dismissed for lack of prosecution Nov. 10, 1936.

1,247,542. (See 1,247,540.) 1,247,543. (See 1,247,540.)

1,268,473, W. O. Kennington, Distributer cap for ignition apparatus; 1,351,714, A. E. Berdon, et al, Distributer head for ignition devices; 1,372,065, O. F. Conklin, Distributer device for ignition apparatus, D. C. Ohio (Cleveland), Doc. 4384, *Delco-Remy Corp.* v. *Echlin & Echlin et al.* Dismissed without prejudice Sept. 21, 1936.

1,272,056, C. F. Kettering, Ignition system; 1,286,803, H. G. Schwarze, Hydrocarbon motor; 1,305,165, W. H. Ratcliff, Circuit breaker; 1,556,901, C. E. Berkdoll, Ignition device; 1,557,207, 1,593,339, F. C. Kroeger, same; 1,687,040, W. D. Schrope, same; 1,825,720, J. T. Fitzsimmons, Ignition timer; Re. 18,276, C. H. Kindl, Ignition timer, D. C. Ohio (Cleveland), Doc. 4383, *Delco-Remy Corp.* v. *Echlin & Echlin, Inc., et al.* Dismissed without prejudice Sept. 21, 1936.

1,277,713, L. Goldstone, Boot or shoe counter reinforce, D. C. N. Y. (Buffalo), Doc. 1898, *A. G. Stevenson* v. *Sherwood Shoe Co.* Dismissed for lack of prosecution Nov. 10, 1936.

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,286,803. (See 1,272,056.) 1,305,165. (See 1,272,056.)

1,341,561. (See 1,247,540.) 1,351,714. (See 1,268,473.)

1,365,431, E. E. Wickersham, Self-laying-track tractor; 1,386,979, same, Transmission mechanism; 2,034,125, same, Tractor; 1,379,323, W. Turnbull, Self-laying-track vehicle; 1,395,021, C. A. Whitnall, Equalizer-bar for chain-track tractors; 1,520,432, E. F. Norelius, Traction engine; 1,945,169, G. M. Walker, Tractor; 1,972,078, 2,008,901, H. S. Eberhard, Seal; 2,022,079, 2,049,643, same, Motor vehicle; 1,972,394, W. H. Radford, Shaft seal; 2,049,672, O. L. Starr, Tractor, filed Oct. 30, 1936, D. C., N. D. Calif. (San Francisco), Doc. E 4099–S, *International Harvester Co.* v. *Caterpillar Tractor Co.*

1,372,065. (See 1,268,473.) 1,379,323. (See 1,365,431.)

1,386,979. (See 1,365,431.) 1,395,021. (See 1,365,431.)

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio Signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector, filed Oct. 24, 1936, D. C., N. D. Calif. (San Francisco), Doc. E 4097–R, *Radio Corp. of America et al.* v. *C. Abel* (*Coast Radio Co.*).

1,403,932. (See 1,403,475.)

1,436,459, J. Reese, Seat cover; Re. 16,288 (of 1,544,141), R. R. Eddins, Slip cover for automobiles; 1,748,743, H. G. Wedler, Cover for seat backs, filed Nov. 6, 1936, D. C., E. D. Mo. (St. Louis), Doc. 11991, *Ever-Klean Seat Pad Co.* v. *Scruggs-Vandervoort-Barney Dry Goods Co.*

1,491,789, C. W. Cowles, Electrical connection; 1,976,769, S. W. Borden, Electrical connecting device for electrical conductors, filed Nov. 12, 1936, D. C., S. D. N. Y., Doc. E 84/115, *S. W. Borden* v. *L. B. Levine* (*Producto Electric Co.*).

1,507,016. (See 1,403,475.) 1,507,017. (See 1,403,475.)

1,520,432. (See 1,365,431.)

1,521,332, A. G. Shaver, Shunting or trip device, D. C., W. D. N. Y., Doc. 1454–H, *The Regan Safety Devices Co., Inc.*, v. *General Railway Signal Co.* Dismissed for lack of prosecution Nov. 10, 1936.

1,544,141. (See 1,436,459.) 1,556,901. (See 1,272,056.)

1,557,207. (See 1,272,056.)

1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,728,879, Rice & Kellogg, Amplifying system; 1,894,197, same, Sound reproducing apparatus, filed Oct. 24, 1936, D. C., N. D. Calif. (San Francisco), Doc. E 4098–L, *Radio Corp. of America et al.* v. *C. Abel (Coast Radio Co.)*.

1,593,339. (See 1,272,056.)

1,599,979, L. Tibbetts, Necktie and method of lining same, D. C., N. D. Calif. (San Francisco), Doc. E 3723–S, *L. Tibbetts (Tibbetts Tie Co.)* v. *L. Samter & Sons.* Dismissed without prejudice for want of prosecution Nov. 2, 1936.

1,618,017. (See 1,403,475.) 1,687,040. (See 1,272,056.)

1,687,510, M. Pipkin, Electric-lamp bulb, filed Nov. 12, 1936, D. C., S. D. N. Y., Doc. E 84/118, *General Electric Co.* v. *Grand Gas Light Co., Inc., et al.*

1,702,833. (See 1,403,475.) 1,707,617. (See 1,573,374.)

1,721,530, J. Schick, Shaving implement; 1,757,978, same, Shaving machine, D. C., E. D. N. Y., Doc. E 7870, *Schick Dry Shaver, Inc., et al.* v. *Dictograph Products Co., Inc.* Decree for plaintiff Nov. 10, 1936.

1,728,879. (See 1,573,374.)

1,738,736, A. G. Shaver, Alternating current intermittent induction type train control; 1,738,737, same, Intermittent induction type train control, D. C., W. D. N. Y., Doc. 130, *Regan Safety Devices, Inc.*, v. *General Railway Signal Co.* Dismissed for lack of prosecution Nov. 10, 1936.

1,738,737. (See 1,738,736.) 1,748,743. (See 1,436,459.)

1,757,978. (See 1,721,530.) 1,795,214. (See 1,573,374.)

1,796,855, R. H. Ahlers, Electrical condenser; 1,815,496, W. A. Chryst, Ignition apparatus; 1,830,907, C. H. Kindl, Electrical condenser, D. C. Ohio (Cleveland), Doc. 4385, *Delco-Remy Corp.* v. *Echlin & Echlin et al.* Dismissed without prejudice Sept. 21, 1936.

1,811,095. (See 1,403,475.) 1,815,496. (See 1,796,855.)

1,824,029, Most & Wilson, Container, C. C. A., 2d Cir., Doc. —, *L. J. Most* v. *Frederick Loeser & Co., Inc.* Discontinued (notice Nov. 16, 1936). Same, D. C., S. D. N. Y., Doc. E 83/179, *L. J. Most* v. *Majestic Metal Specialties, Inc., et al.* Consent decree for plaintiff (notice Nov. 12, 1936).

1,825,720. (See 1,272,056.) 1,830,907. (See 1,796,855.)

1,840,012, O. Behimer, Apparatus for making gasoline; 1,883,850, same, Process for making gasoline, D. C. Tex. (Tyler), Doc. E 573, *The Texas Co.* v. *East Texas Refining Co.* Dismissed Nov. 9, 1936. Same, D. C. Tex. (Laredo), Doc. E 42, *The Texas Co.* v. *Amsco Refining Co.* Dismissed by plaintiff (notice Nov. 9, 1936).

1,865,012, C. E. Jackson, Adjustable nozzle tip, D. C., N. D. Calif. (San Francisco), Doc. E 3650–S, *C. E. Jackson et al.* v. *City and County of San Francisco.* Decree for defendants Nov. 2, 1936.

1,879,957, Stern & Carlin, Neckwear, filed Nov. 10, 1936, D. C., S. D. N. Y., Doc. E 84/112, *Stern, Rutland & Lissaner, Inc.*, v. *Arnold Constable & Co., Inc.*

1,883,850. (See 1,840,012.) 1,894,197. (See 1,573,374.)

1,911,289, W. T. Reddish, Method of cleaning fabrics, filed Nov. 16, 1936, D. C., S. D. Ohio, W. Div., Doc. E 996, *Emery Industries, Inc.*, v. *The Fenton United Cleaning & Dyeing Co.*

1,931,297, F. Reiser, Embroidery frame, D. C., S. D. N. Y., Doc. E 83/252, *F. Reiser, et al.* v. *Lady Ester Lingerie Corp.* Consent decree for plaintiff (notice Nov. 13, 1936).

1,945,169. (See 1,365,431.)

1,962,264, H. Veit, Hair cutting and thinning shears, filed Nov. 12, 1936, D. C., S. D. N. Y., Doc. E 84/117, *Jetter & Scheerer Products, Inc., et al.* v. *Gibbs & Co., Inc.*

1,972,078. (See 1,365,431.) 1,972,394. (See 1,365,431.)

1,974,664, T. C. Patten, Tubing bottom, D. C., E. D. Tex. (Tyler), Doc. E 906, *T. C. Patten* v. *Atlantic Oil Producing Co.* Doc. E 913, *T. C. Patten* v. *Tex-Jersey Oil Corp.* Doc. E 915, *T. C. Patten* v. *Houston Oil Field Material Co.* Dismissed on motion of plaintiff Nov. 10, 1936, in each of above cases.

1,976,769. (See 1,491,789.)

2,002,102, W. M. Veaux, Apple box, filed Nov. 9, 1936, D. C., W. D. Wash., N. Div., Doc. 1160, *W. Veaux* v. *Southern Oregon Sales, Inc.*

2,005,539, S. K. Everett, Yarn, D. C., S. D. N. Y., Doc. E 82/379, *S. K. Everett, et al.* v. *Hahlo & Solomon, Inc., et al.* Consent decree for plaintiff (notice Nov. 9, 1936).

2,008,901. (See 1,365,431.) 2,022,079. (See 1,365,431.)

2,033,018, W. F. Weber, Stapling machine; 2,033,049, 2,056,480, W. G. Pankonin, Stapling device, filed Nov. 13, 1936, D. C., S. D. N. Y., Doc. E 84/121, *Ace Fastener Corp.* v. *J. Linsky et al.*

2,033,049. (See 2,033,018.) 2,034,125. (See 1,365,431.)

2,049,643. (See 1,365,431.) 2,049,672. (See 1,365,431.)

2,056,480. (See 2,033,018.)

Re. 15,140. (See 1,247,540.)

Re. 16,288. (See 1,436,459.)

Re. 18,276. (See 1,272,056.)

Re. 18,576, R. F. Sedgley, Method of and apparatus for making coils, appeal filed Oct. 28, 1936, C. C. A., 1st Cir., Doc. 3195, *J. W. Gottschalk Mfg. Co. et al.* v. *Springfield Wire & Tinsel Co.*

Re. 19,577. (See 1,247,540.)

Des. 97,980, G. Baum, Blouse, filed Nov. 13, 1936, D. C., S. D. N. Y., Doc. E 84/119, *Mayfair Blouses, Inc.*, v. *National Blouse Corp. et al.*

Des. 101,076, A. W. Wadsworth, Watch, filed Nov. 9, 1936, D. C., S. D., N. Y., Doc. E 84/110, *The Gruen Watch Co.* v. *I. D. Watch Case Co., Inc., et al.*

Des. 101,096, M. Richter, Dress, filed Nov. 13, 1936, D. C., S. D. N. Y., Doc. E 84/122, *Richter & Decker, Inc.*, v. *B. Fox, et al. (Merit Dress Co.)*.

Des. 101,509, W. G. Steinman, Dress, filed Nov. 12, 1936, D. C., S. D. N. Y., Doc. E 84/114, *Will Steinman, Inc.*, v. *S. & M. Litt, Inc.*

T. M. 309,112, M. L. Mester, Salad and olive oils, filed Oct. 29, 1936, D. C., N. D. Ill., E. Div., Doc. 15/380, *M. L. Mester et al.* v. *Reliance Products Co.*

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 5, 1937

[VOL. 474. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 381,963. A. D. BOWNE & CO., INC., New York, N. Y. Filed Aug. 10, 1936.

A.D.B.

For Leather Skins and Leather Hides.
Claims use since July 10, 1936.

CLASS 2

Receptacles

Ser. No. 378,764. THE SUN TUBE CORPORATION, Hillside, N. J. Filed May 22, 1936.

UNITAINER

For Collapsible Metal Containers.
Claims use since Apr. 7, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 384,093. MICHEL, MAKSIK & FELDMAN, INC., New York, N. Y. Filed Oct. 7, 1936.



The drawing is lined for red. The words "Hand Bags" are disclaimed apart from the mark as shown.
For Ladies' Handbags.
Claims use since July 15, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 383,046. ADVANCE POLISHING WHEELS, INC., Chicago, Ill. Filed Sept. 9, 1936.

PIONEER

For Polishing Wheels.
Claims use since Jan. 1, 1932.

Ser. No. 384,903. NATIONAL MILLING & CHEMICAL COMPANY, Philadelphia, Pa. Filed Oct. 28, 1936.

KEMITROL

For Laundry Compound Comprising Soap and Alkalies.
Claims use since October, 1935.

Ser. No. 384,960. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Oct. 30, 1936.

SODOSIL

For Detergents, Particularly Sodium Silicate Detergents.
Claims use since Sept. 24, 1936.

Ser. No. 385,047. LOS ANGELES SOAP CO., Los Angeles, Calif. Filed Nov. 2, 1936.

COSMIC RAY

For Toilet Soap.
Claims use since Oct. 12, 1936.

CLASS 5

Adhesives

Ser. No. 383,619. CHARLES L. GANE, doing business as Atlas Supply Company, Philadelphia, Pa. Filed Sept. 25, 1936.

ACOUSTICK

For Waterproof Adhesives and Cements.
Claims use since December, 1931.

Ser. No. 385,101. JENCO BROTHERS, INC., Paterson, N. J. Filed Nov. 3, 1936.

DIXIE

For Adhesive Cement Substances.
Claims use since Mar. 1, 1935.

Ser. No. 385,145. LOUISVILLE WALL PAPER CO. INC., Louisville, Ky. Filed Nov. 4, 1936.

DERBY



For Wall Paper Wheat Paste.
Claims use since June 1, 1935.

Ser. No. 385,268. THE SPECIALTY GUILD, Convent, N. J. Filed Nov. 7, 1936.

RUG ROOT

For Powdered Composition to Prevent Rugs From Sliding.
Claims use since Aug. 8, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 371,267. FRANK KIRKLAND, doing business as Kirkland Drug Co., Arcadia, La. Filed Nov. 6, 1935.

G-I-R

For Medicinal Preparation for Eczema, Ringworm, Tetter, Athlete's Foot, and Pimply Face.
Claims use since December, 1918.

Ser. No. 373,883. MIDWAY CHEMICAL CO., Chicago, Ill. Filed Jan. 20, 1936.

Midway

For Chemical Products—Namely, Insecticides, Insect and Rodent Exterminators, Insect Repellents, Fly Killer Preparation, Medically Treated Compounds Used as Insect and Rodent Exterminators, Germicides, Disinfectants, Moth Spray, Roach Killer Preparation, Cattle and Stock Spray, Weed Exterminator, Lice Exterminator, Non-Poisonous Liquids to Destroy Mosquitoes, Bedbugs, Roaches, Moths, Fleas, Flies and Ants, Fumigating Fluid, Ant Killer Preparation, Deodorants, Garden Spray, Rat Killer Preparation, Mice Killer Preparation, Stop-Leak for Radiators, Radiator Flush, Drain Pipe Opener, Bluing, Denatured Alcohol, Ammonia, Range Burner Lighter Fluid, and Cigarette Lighter Fluid.

Claims use to insecticides, insect and rodent exterminators, insect repellents, fly killer preparation and medically treated compounds used as insect and rodent exterminators since March 27, 1926; to germicides and disinfectants since March 3, 1927; to moth spray since December 31, 1927; to roach killer preparation since July 1, 1930; to cattle and stock spray since January 2, 1930; to weed exterminator since January 15, 1932; to lice exterminator since March 16, 1928; to non-poisonous liquids used to destroy mosquitoes, bedbugs, roaches, moths, fleas, flies and ants since June 19, 1930; to fumigating fluid since August 4, 1930; to ant killer preparation since March 31, 1931; to deodorants since April 22, 1936; to garden spray since June 30, 1931; to rat killer preparation since March 31, 1933; to mice killer preparation since December 31, 1931; to stop leak for radiators since March 31, 1934; to radiator flush since March 31, 1934; to drain pipe opener since August 31, 1928; to bluing since August 31, 1928; to denatured alcohol since June 30, 1933; to ammonia since October 30, 1928; to range burner lighter fluid since December 31, 1935; and to cigarette lighter fluid since Sept. 8, 1927.

Ser. No. 377,872. HELEN A. CALDWELL, doing business as Caldwell Chemical Co., Seattle, Wash. Filed May 1, 1936.

SPRAYONE

For Composition used in Spraying Plants, Fruits, and Vegetables—Namely, an Insecticide Composed of Botanical Drugs, the Active Ingredients of Which are Rotenone and Derris Extractives.
Claims use since April, 1934.

Ser. No. 381,525. BRITISH COD LIVER OIL PRODUCERS (HULL) LIMITED, Hull, England. Filed July 28, 1936.



For Preparations of Cod Liver Oil.
Claims use since Mar. 30, 1936.

Ser. No. 383,528. CURTIS J. HARWICK, doing business as Standard Chemical Company, Akron, Ohio. Filed Sept. 23, 1936.

LUBREX

For Adhesion-Preventing Material for Rubber-Vulcanizing Molds, Sold in Powdered Form.
Claims use since Jan. 1, 1936.

Ser. No. 383,656. SUN RAY DRUG CO., doing business as Drake Laboratories, Philadelphia, Pa. Filed Sept. 25, 1936.

PEP-RUB

The word "Rub" apart from the mark as shown is disclaimed.
For Liniment for the Relief of Muscular Stiffness, Minor Aches, Pains, Bruises of the Muscle, Bites of Insects, and Athletic Foot.
Claims use since Mar. 5, 1936.

Ser. No. 383,666. THE ULRICI MEDICINE COMPANY, INC., New York, N. Y. Filed Sept. 24, 1936.

DORADIL

For Medicinal Preparation Indicated in and for the Treatment of Chronic Indigestion, Bilious Diarrhoea.
Claims use since Jan. 1, 1919.

Ser. No. 384,065. CANDY BROS. MANUFACTURING COMPANY, St. Louis, Mo. Filed Sept. 25, 1936.

RED CROSS

For Cough Drops, a Medicinal Preparation.
Claims use since July 7, 1885.

Ser. No. 384,638. E. H. WILLIAMS, New York, N. Y. Filed Oct. 21, 1936.

HACK

For Liquid Preparation for Coughs and Throat Ailments and the Like.
Claims use since Jan. 1, 1936.

Ser. No. 384,662. ERNEST M. F. IVEY, doing business as Ivey's Laboratories, Tucson, Ariz. Filed Oct. 22, 1936.

Ivey's SINUS TWINS

For Medical Preparation for Treating Sinus Affections and Head Colds.
Claims use since Aug. 1, 1932.

Ser. No. 384,834. SCHIAPARELLI, SOCIETE ANONYME, Paris, France. Filed Oct. 29, 1936.

SHOCKING

For Perfumes, Toilet Waters, Rouge, Lipstick, and Face Creams.
Claims use since Aug. 11, 1936.

Ser. No. 384,874. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Oct. 28, 1936.

BENEFRIN

For Vasoconstrictor, Anti-Asthmatic, and Antispasmodic.
Claims use since Sept. 30, 1936.

Ser. No. 384,879. JOHN CAMPBELL & CO., New York, New York. Filed Oct. 28, 1936.

FORMADINE

For Dyes and Dyestuffs.
Claims use since 1932.

Ser. No. 384,880. JOHN CAMPBELL & CO., New York, N. Y. Filed Oct. 28, 1936.

LAVOSAL

For Dyes and Dyestuffs.
Claims use since 1931.

Ser. No. 384,881. JOHN CAMPBELL & CO., New York, N. Y. Filed Oct. 28, 1936.

SOLAMIDINE

For Dyes and Dyestuffs.
Claims use since 1920.

Ser. No. 384,883. CARLIN PRODUCTS, INC., New York, N. Y. Filed Oct. 28, 1936.

NEOZOL

For Preparation for Treatment of Athlete's Foot.
Claims use since July 28, 1936.

Ser. No. 384,918. THE BARRETT COMPANY, New York, N. Y. Filed Oct. 29, 1936.

RESIN "C"

The word "Resin" apart from the mark is disclaimed.
For Resinous Material for General Use Including Use for Waterproofing Paper, Cable Insulation, and Compounding Rubber.
Claims use since 1923.

Ser. No. 384,922. JOSEPH DONNER, doing business as Sweepstakes Pharmacal Company, Chicago, Ill. Filed Oct. 29, 1936.

Sweepstakes

For Cold Cream.
Claims use since Aug. 1, 1936.

Ser. No. 384,935. G. D. SEARLE & CO., Chicago, Ill. Filed Oct. 29, 1936.

KETOCHOL

For Medicinal Tablets for the Treatment of Deficient Functions of the Liver and Gall Bladder.
Claims use since May 4, 1936.

Ser. No. 384,963. GULF OIL CORPORATION, Pittsburgh, Pa. Filed Oct. 30, 1936.

GULF

The drawing is lined for orange and blue.
For Petrolatum, Insect Killer, Fly Repellent, Tick Killer, Screw Worm Killer, Live Stock Spray, and Lighter Fluid.
Claims use since July, 1925.

Ser. No. 385,020. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Oct. 31, 1936.

PRONTYLIN

For Chemotherapeutic Agent for Streptococcic and Staphylococcic Infections.
Claims use since Oct. 24, 1936.

Ser. No. 385,021. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Oct. 31, 1936.

PRONTOSIL

For Chemotherapeutic Agent for Streptococcic and Staphylococcic Infections.
Claims use since Oct. 24, 1936.

Ser. No. 385,064. RILLING-ARNAO CO., Minneapolis, Minn. Filed Nov. 2, 1936.

RILLENE

For Thiophated Shampoo.
Claims use since Sept. 18, 1936.

Ser. No. 385,074. THERAPY, LTD., Pasadena, Calif. Filed Nov. 2, 1936.

Theradophilus

For Condensed Pure Culture of Bacillus Acidophilus in Soy Bean Milk.
Claims use since Mar. 27, 1934.

Ser. No. 385,077. THE WARREN-TEED PRODUCTS CO., Columbus, Ohio. Filed Nov. 2, 1936.

BOR-A-QUIN

For Antiseptic Powder for Dissolution in Water for Making a Solution Employable as a Vaginal Douche, Spray, Gargle, and Wash for Tired and Aching Feet.
Claims use since Mar. 29, 1934.

Ser. No. 385,153. PRINCE MATCHABELLI PERFUMERY, INC., New York, N. Y. Filed Nov. 4, 1936.

Abano

For Perfumes and Bath Oils.
Claims use since Oct. 15, 1931.

Ser. No. 385,177. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Nov. 5, 1936.

CRESCENT

For Starch for Manufacturing Purposes.
Claims use since May 1, 1887.

Ser. No. 385,226. LEO GINSBURG, doing business as Draile Skin and Scalp Clinic, Chicago, Ill. Filed Nov. 6, 1936.

NINAL

For Preparation for the Treatment of Psoriasis.
Claims use since Oct. 19, 1936.

Ser. No. 385,227. INDUSTRIAL OIL PRODUCTS CORP., Los Angeles, Calif. Filed Nov. 6, 1936.

HYDEEOYL

For Oil, High in Vitamin D, for Use in Poultry and Stock Foods.
Claims use since Oct. 8, 1936.

Ser. No. 385,244. ARKIOS, INC., New York, N. Y. Filed Nov. 7, 1936.

Cos

For Chemical Products in Cream, Powder, and Liquid Form Having Deodorant and Cooling Properties.
Claims use since June, 1934.

Ser. No. 385,246. B & M ASSOCIATE CHEMISTS, Santa Barbara, Calif. Filed Nov. 7, 1936.

Bem Salco

For Preparation for the Relief of Impetigo, Eczema, and Athlete's Foot.
Claims use since Apr. 15, 1936.

Ser. No. 385,257. FOLEY AND COMPANY, Chicago, Ill. Filed Nov. 7, 1936.

EPHETAN

For Preparation for the Treatment of Piles.
Claims use since Nov. 3, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 384,025. HENRY S. BLUMENTHAL, Jackson Heights, Long Island, N. Y. Filed Oct. 6, 1936.

"BUCK AND A HALF RIBBON"

The word "Ribbon" is disclaimed apart from the mark shown.
For Typewriter and Other Inked Ribbons.
Claims use since July 1, 1936.

Ser. No. 385,264. MANIFOLD SUPPLIES COMPANY, Brooklyn, N. Y. Filed Nov. 7, 1936.

MERIDIAN

For Carbon Papers.
Claims use since Sept. 2, 1936.

CLASS 12

Construction Materials

Ser. No. 371,131. ATLANTIC CALSOMINE CO., INC., Brooklyn, N. Y. Filed Nov. 4, 1935.

FILLIT

For Compound for Spachtling.
Claims use since Aug. 5, 1930.

Ser. No. 384,423. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Oct. 16, 1936.

MARINITE

For Lightweight Structural Panel.
Claims use since July 22, 1936.

Ser. No. 385,014. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Oct. 31, 1936.

ZEEN-X

For Asphalt Roofing.
Claims use since 1935.

Ser. No. 385,017. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Oct. 31, 1936.

PROTOKOTE

For Asphalt Roof Cement, Asphalt Roof Coating, and Asbestos Fiber Coating.
Claims use since August, 1935.

Ser. No. 385,155. SIMPLEX PAPER CORPORATION, Adrian, Mich. Filed Nov. 4, 1936.

KEMKOTE

For Fiber Boards.
Claims use since Oct. 1, 1935.

Ser. No. 385,483. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Nov. 13, 1936.

LABSTONE

For Asbestos Boards, Asbestos Sheets, Asbestos Lumber, and Asbestos Building Materials in Flat and Sheet Form.
Claims use since Oct. 15, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 371,080. KLEMENTINE SALOW, doing business as Milwaukee Metal Spinning Co., Milwaukee, Wis. Filed Nov. 1, 1935.

SPINCRAFT

For Spun Metal Coffee Percolator Covers.
Claims use since Aug. 30, 1932.

Ser. No. 383,516. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Sept. 23, 1936.

BETHANIZED

For Coated Wire Fence, Coated Barbed Wire.
Claims use since Aug. 18, 1933.

Ser. No. 383,538. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Sept. 23, 1936.

Coronation

For Shower Curtains.
Claims use since Sept. 10, 1936.

Ser. No. 384,667. NEW YORK WIRE CLOTH COMPANY, New York, N. Y. Filed Oct. 22, 1936.

LIBERTY

For Wire Screen Cloth.
Claims use since January, 1923.

Ser. No. 385,146. B. L. MARDER CO., Chicago, Ill. Filed Nov. 4, 1936.

CROWN

For Metal Taps for Tap Dancing Shoes.
Claims use since Oct. 31, 1936.

Ser. No. 385,191. B. L. MARDER CO., Chicago, Ill. Filed Nov. 5, 1936.

MARBO

For Metal Taps for Tap Dancing Shoes.
Claims use since Oct. 31, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 378,288. L. E. ZURBACH STEEL CO., Cambridge, Mass. Filed May 9, 1936.

GALVACOTE

For Sheet Steel.
Claims use since Feb. 1, 1930.

Ser. No. 385,271. VANADIUM CORPORATION OF AMERICA, Bridgeville, Pa. Filed Nov. 7, 1936.

GRAINAL

For Alloys to be Added to Ferrous and Non-ferrous Metals and Alloys for Controlling the Grain Size of the Metals or Alloys.
Claims use since Oct. 23, 1936.

CLASS 15

Oils and Greases

Ser. No. 381,231. MIDWAY CHEMICAL CO., Chicago, Ill. Filed July 20, 1936.

Midway

For Machine Oil for Lubricating Purposes and Penetrating Oil.
Claims use since Sept. 30, 1927, on said machine oil; since May 15, 1934, on said penetrating oil.

Ser. No. 384,141. SMITH OIL & REFINING COMPANY, Rockford, Ill. Filed Oct. 8, 1936.

GOLD FILM

The word "film" apart from the mark shown is disclaimed.
For Oils and Greases to Be Used for Lubricating Purposes.
Claims use since July 8, 1936.

Ser. No. 384,566. SHELL PETROLEUM CORPORATION, St. Louis, Mo. Filed Oct. 19, 1936.

BENZO-SOL

For Naphtha.
Claims use since 1930.

Ser. No. 384,567. SHELL PETROLEUM CORPORATION, St. Louis, Mo. Filed Oct. 19, 1936.

TOLU-SOL

For Naphtha.
Claims use since 1930.

Ser. No. 384,824. THRIFT SERVICE STATIONS, INC., Kingston, Pa. Filed Oct. 26, 1936.

THRIFCO

For Gasoline, Motor Lubricating Oils, and Lubricating Greases.
Claims use since Sept. 1, 1936.

Ser. No. 384,983. SUNSET OIL COMPANY, Los Angeles, Calif. Filed Oct. 30, 1936.



For Gasoline.
Claims use since May 18, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 365,398. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed May 25, 1935.

LACQUER-TONE

The word "Lacquer" is disclaimed apart from the mark as shown.
For Automobile Polish.
Claims use since July, 1934.

Ser. No. 383,279. THE WILBUR & WILLIAMS COMPANY, Boston, Mass. Filed Sept. 15, 1936.

BONDLITE

For Oil Paste Paint.
Claims use since July 1, 1936.

Ser. No. 383,914. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo. Filed Oct. 3, 1936.

LUSTEREX

For Prepared Paint, Varnish Stain, Paint Enamel, Floor and Porch Enamel, Linoleum Varnish, Auto Enamel, Fender Enamel.
Claims use since Sept. 9, 1936.

Ser. No. 384,645. BENNETT GLASS & PAINT COMPANY, Salt Lake City, Utah. Filed Oct. 22, 1936.

COLORIZER

For Coloring Material for Paints.
Claims use since Oct. 10, 1936.

Ser. No. 385,161. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 4, 1936.

TREMLUX

For Paint Enamels.
Claims use since Sept. 1, 1936.

Ser. No. 385,185. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Nov. 5, 1936.

TORRID-COTE

The word "Cote" is disclaimed apart from the mark as shown.
For Lacquers, Specifically Cable Coatings.
Claims use since Aug. 3, 1936.

Ser. No. 385,217. WILLIAM S. DIETRICH, doing business as Pokadot Chemical Company, Greenville, Pa. Filed Nov. 6, 1936.

POKADOT

The drawing is lined for blue.
For Furniture Polish and Cleaner, a Polish Possessing Incidental Cleaning Properties.
Claims use since Mar. 21, 1933.

Ser. No. 385,815. WEST COAST KALSOMINE COMPANY, West Berkeley, Calif. Filed Nov. 20, 1936.

Kleiglite

For Casein Paint Paste and Casein Paint Powder.
Claims use since Oct. 15, 1936.

Ser. No. 385,927. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa. Filed Nov. 24, 1936.

CHEKIT

For Varnish.
Claims use since July 26, 1933.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 380,808. TRIANGLE ELECTRIC CO., Chicago, Ill. Filed July 8, 1936.

Imperial

For Automotive Supplies and Parts—Namely, Hot Water and Exhaust Heaters, Seat Covers.
Claims use since Sept. 1, 1933.

Ser. No. 382,175. PRAIRIE-SCHOONER TRAILER COMPANY, Elkhart, Ind. Filed Aug. 14, 1936.

PRAIRIE-SCHOONER

For Trailers.
Claims use since Aug. 5, 1936.

Ser. No. 384,732. B. ALTMAN & Co., New York, N. Y. Filed Oct. 24, 1936.

Coronation

For Baby Carriages.
Claims use since Sept. 23, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 374,325. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Jan. 31, 1936.

PYRANOL TRANSFORMER

No claim is made to the word "Transformer" apart from the word "Pyranol".
For Electrical Transformers.
Claims use since September, 1932.

Ser. No. 379,624. NAXON UTILITIES CORPORATION, Chicago, Ill. Filed June 12, 1936.

NAXON

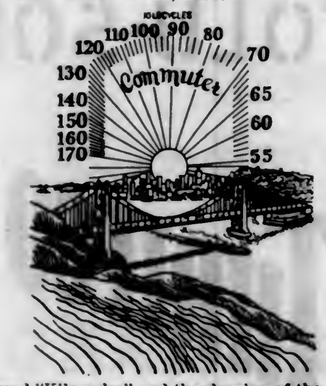
For Electrical Variable Resistors and Fixed Resistors, Radio Receiving Sets, Electrical Inductances, Synchronous and Induction Electric Motors, Electric Fans, Electric Drink Mixers, Electric Food Mixers, Electric Sign Equipment and Sign Flashers, Electric Roasters, Electric Cookers.
Claims use since June, 1925.

Ser. No. 383,039. TELE-RADIO CORPORATION, Newark, N. J. Filed Sept. 8, 1936.

GORDOS

For (Rectifier) Battery Charger Bulbs.
Claims use since Sept. 1, 1931.

Ser. No. 384,279. HENRY WOLFF COMPANY, San Francisco, Calif. Filed Oct. 12, 1936.



The word "Kilocycles" and the showing of the numerals, and the showing of the dial lines are disclaimed.
For Radio Receiving Sets and Parts Thereof.
Claims use since Sept. 28, 1936.

Ser. No. 384,286. THE ELECTRIC AUTO-LITE COMPANY, Toledo, Ohio. Filed Oct. 13, 1936.

AUTO-LITE SPARK PLUGS

The words "Spark Plugs" are disclaimed except as shown.
For Spark Plugs.
Claims use since Aug. 13, 1936.

Ser. No. 384,287. THE ELECTRIC AUTO-LITE COMPANY, Toledo, Ohio. Filed Oct. 13, 1936.

KONIUM — A NEW ELECTRODE

The words "A New Electrode" are disclaimed except as shown.
For Spark Plug Electrodes.
Claims use since Aug. 13, 1936.

Ser. No. 384,288. THE ELECTRIC AUTO-LITE COMPANY, Toledo, Ohio. Filed Oct. 13, 1936.

ZIRAMIC — A NEW INSULATOR

The words "A New Insulator" are disclaimed except as shown.
For Spark Plug Insulators.
Claims use since Aug. 13, 1936.

Ser. No. 384,428. MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill. Filed Oct. 16, 1936.

Powerlite

For Electric Light and Power Plants and Parts Thereof.
Claims use since Aug. 1, 1918.

Ser. No. 384,518. DONGAN ELECTRIC MANUFACTURING COMPANY, Detroit, Mich. Filed Oct. 19, 1936.

ONGANARC

The drawing is lined for red.
For Electrical Transformers.
Claims use since June 6, 1935.

Ser. No. 384,991. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Oct. 31, 1936.

CASCO

For Electric Fans and Rheostats and Generator Regulators.
Claims use on electric fans since about March 15, 1935; on rheostats since about Feb. 27, 1934; and on generator regulators since about Oct. 18, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 378,187. C. G. DUGANNE, Washington, D. C. Filed May 8, 1936.



The words "Golf", "The Hole is the Bullseye", and "Trade Mark" are disclaimed except as a part of the mark shown.
For Golf Game and Practicing Apparatus Therefor which May be Used Indoors, on a Practice Green Outdoors, or on One or More Greens of a Regular Full Sized Golf Course, and which Consists of a Cup, a Flag Pole, and a Measuring Device Mounted on the Flag Pole for Mensuring the Distances to a Plurality of Balls.
Claims use since Apr. 27, 1936.

Ser. No. 380,843. PRATT CORPORATION, Coldwater, Mich. Filed July 9, 1936.

SILVERSTREAK

For Coasting Sleds.
Claims use since July, 1932.

Ser. No. 384,017. SUPERIOR PRODUCTS, INC., Chicago, Ill. Filed Oct. 5, 1936.



For Sales Promotion Punchboard.
Claims use since May 10, 1935.

Ser. No. 384,305. EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Oct. 13, 1936.



The words "Quality First" are disclaimed apart from the mark as shown. The drawing is lined for black, gilt, and red.

For Fishing Rods.

Claims use since Mar. 15, 1923.

Ser. No. 385,011. STANDARD NOVELTY WORKS, Duncannon, Pa. Filed Oct. 31, 1936.

LIGHTNING GUIDER

The word "Guider" is disclaimed apart from the mark as shown.

For Coaster Sleds.

Claims use since Feb. 15, 1935.

Ser. No. 385,358. FRANK H. CAVIGNAC-ASSOCIATES, Glendale, Long Island, N. Y. Filed Nov. 16, 1936.

C 3
RADIUS

For Golf Balls, Golf Clubs, and Golf Bags.

Claims use since Sept. 1, 1934.

Ser. No. 385,560. FRANK H. CAVIGNAC-ASSOCIATES, Glendale, Long Island, N. Y. Filed Nov. 16, 1936.



For Golf Balls.

Claims use since Sept. 1, 1936.

Ser. No. 385,866. THE TOY TINKERS, INC., Evanston, Ill. Filed Nov. 21, 1936.

TINKERSAND

The syllable "Sand" is disclaimed.

For Colored Silica Sand to be Used by Children in Coloring Picture Outlines.

Claims use since Apr. 1, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 371,289. ACE FASTENER CORPORATION, Chicago, Ill. Filed Nov. 7, 1935.

ACE

For Stapling Machines of the Foot-Power and Hammer Tacker Types, and Staple Lifters and Staple Removers.

Claims use since Feb. 11, 1931.

Ser. No. 371,290. ACE FASTENER CORPORATION, Chicago, Ill. Filed Nov. 7, 1935.

PILOT

For Stapling Machines of the Foot-Power Type.

Claims use since Jan. 16, 1934.

Ser. No. 373,937. TYPOGRAPH GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany. Filed Jan. 21, 1936.



The representation of the spacer ring is disclaimed apart from the mark as shown.

For Matrix Setting and Line Casting Machines and Parts or Accessories Therefor—Namely, Brackets for Spacer Shafts, Spacer Rings, Spacer Slide Levers, Spacer Shafts, Guide Rod for Spacer Shafts, Starting Racks, Frictions, Line Closing Jaws, Escapements for Spacers, Spacer Keys, Moulds, Mould Slides, Line-Ejectors, Knife-holders, Brackets for Trimming Carriage, Casting Pumps, Gas Burners, Heaters for Melting Pots, Matrix Racks and Hooks, Guide Wires, Especially Guide Wires with Eyelets, Stands for Matrix Racks, Matrix Bars, Fill-up Pieces for Moulds, Special Vice-Jaws and Rails for Blank Material, Blank Matrices without Face, Cross-Stamped Numeral Matrices, Horizontal Rule Matrices, and Vertical Rule Matrices.

Claims use since 1913.

Ser. No. 376,122. THE FORSBERG MANUFACTURING CO., Bridgeport, Conn. Filed Mar. 18, 1936.

VIKING

For Screw Drivers, Putty Knives, Scraping Knives, and Hand Drills.

Claims use since Sept. 1, 1934.

Ser. No. 377,393. HYDRAULIC EQUIPMENT COMPANY, Cleveland, Ohio. Filed Apr. 20, 1936.

HYDRECO

For Hydraulic Pumps, Valves, and Hydraulic Operated Mechanisms and Fittings Adapted as Accessories for More Comprehensive Machines Such as Tractor Hoists Hydraulically Operated, Lifting and Pulling Jacks, Tractor Implement Operating Machinery and the Like.

Claims use since July 1, 1935.

Ser. No. 384,590. KIRCH-TRUMBULL CORPORATION, Alden, N. Y. Filed Oct. 20, 1936.

KITCO

For Dispensing Cabinets for Paper Toilet Articles.

Claims use since Aug. 1, 1935.

Ser. No. 385,085. BROWN MANUFACTURING COMPANY, INC., Newport News, Va. Filed Nov. 3, 1936.

STARR "X"

For Stationary Bottle Openers.

Claims use since 1930.

Ser. No. 385,362. WILLARD F. MAIN, doing business as Appleton Novelty Company, Cedar Rapids, Iowa. Filed Nov. 10, 1936.

DOUBLE NUGGET

For Vending Machines.

Claims use since Oct. 30, 1936.

Ser. No. 385,409. INTERNATIONAL SAFETY RAZOR CORP., Bloomfield, N. J. Filed Nov. 11, 1936.

PHILCO

For Razors and Razor Blades.

Claims use since Oct. 31, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 371,808. DEFENDER PHOTO SUPPLY COMPANY, INC., Rochester, N. Y. Filed Nov. 21, 1935.

Chromatone

For Photographic Print Paper.

Claims use since Oct. 10, 1935.

Ser. No. 376,626. CALVAIRE INCORPORATED, New York, N. Y. Filed Mar. 31, 1936.

THERMOSPORT

For Thermometer to be Used as a Dress Ornament.

Claims use since Oct. 9, 1935.

Ser. No. 378,999. KALLE & CO. AKTIENGESELLSCHAFT, Wiesbaden-Biebrich, Germany. Filed May 28, 1936.

Ozaphan

For Motion Picture Projection Apparatus and/or Sound Reproducing Apparatus Employing Sound Films, Sensitive Photographic Films, Motion Picture Films, Motion Films Which have Records of Sound, Words and/or Music Thereon, Motion Picture Films Which Have Records of Sound, Words and/or Music Thereon.

Claims use since Dec. 18, 1934.

Ser. No. 382,876. ERNEST W. LOESSER, Newark, N. J. Filed Sept. 3, 1936.

GLOBE

For Pressure Thermostatically or Water Level Controlled Apparatus Used as Adjunct to Heating Boilers for Automatically Controlling the Limits in Range of Heat and Pressure Variations to Insure Protected Constant Service.

Claims use since Aug. 1, 1930.

Ser. No. 383,452. SMITH SEPARATOR CORPORATION, Tulsa, Okla. Filed Sept. 19, 1936.

VACOTRAP

For Transferring and Measuring Apparatus, Comprising a Tank, Indicators, and the Like for Use in Transferring and Measuring Oil From Oil and Gas Separators.

Claims use since May 9, 1936.

CLASS 27

Horological Instruments

Ser. No. 377,055. LOUIS WATCH CO. INC., New York, N. Y. Filed Apr. 10, 1936.

Louis

For Wrist Watches, Pocket Watches, Lapel Watches, Fob Watches.

Claims use since Feb. 8, 1932.

Ser. No. 385,980. WILLIAM L. GILBERT CLOCK CORPORATION, Winsted, Conn. Filed Nov. 25, 1936.

MOGUL

For Clocks.

Claims use since June 1, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 385,471. BRIGGS CLARIFIER COMPANY, Washington, D. C. Filed Nov. 13, 1936.

BRIGGS OIL CLARIFIER

The words "Oil Clarifier" are disclaimed apart from the mark.

For Oil Clarifiers.

Claims use since July 7, 1933.

CLASS 33

Glassware

Ser. No. 384,572. TRU-TEST BROKERAGE CORPORATION, Chicago, Ill. Filed Oct. 19, 1936.

TRU-TEST

For Glass Tumblers.

Claims use since Oct. 6, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 383,153. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 12, 1936.

KLIMATIZER

For Air Conditioners, Air Conditioning Units, Air Distributing and Ventilating Registers, and Vehicle Ventilating Registers.

Claims use since Aug. 1, 1936.

Ser. No. 383,154. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 12, 1936.

CLIMOSTAT

For Air Conditioners, Air Conditioning Units, Air Distributing and Ventilating Registers, and Vehicle Ventilating Registers.

Claims use since Aug. 1, 1936.

Ser. No. 384,110. AMERICAN RADIATOR COMPANY, New York, N. Y. Filed Oct. 8, 1936.

Arcoloy

For Hot Water Range Boilers, Gas and Oil Fired Storage Tanks, and Expansion Tanks.

Claims use since Apr. 9, 1934.

Ser. No. 384,426. MAY OIL BURNER CORPORATION, Baltimore, Md. Filed Oct. 16, 1936.



For Oil Burners, Oil Filters for Oil Burners, Blowers for Oil Burners, Boilers for Oil Burning; Hot Water Heaters for Oil Burning; Combustion Chambers for Oil Burners, Boilers, and Furnaces; Oil Burning Heating Boiler Units and/or Systems and Parts Thereof; and Oil Burning Air Conditioning Units and/or Systems and Parts Thereof.

Claims use since May, 1934.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 381,592. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed July 29, 1936.

SEAL-AIDE

For Coating for Gaskets.

Claims use since Nov. 12, 1935.

CLASS 37

Paper and Stationery

Ser. No. 369,469. ACE FASTENER CORPORATION, Chicago, Ill. Filed September 19, 1935.

PILOT

For Stapling Machines of the Desk and Tacker Types and Staples Therefor and Staples for Other Types of Stapling Machines.

Claims use since Jan. 16, 1934.

Ser. No. 373,349. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Jan. 6, 1936.



"Old Faithful"

For Leads and Lead Dispensers for Mechanical Lead Pencils and Papers, Such as "Mimeograph" Paper, Drawing Paper, Writing Paper, Typewriting Paper, Poster and Construction Paper.

Claims use since Mar. 11, 1935.

Ser. No. 377,591. NATIONAL ASSOCIATION OF SALES FINANCE COMPANIES, Chicago, Ill. Filed Apr. 24, 1936.

NATIONAL ASSOCIATION The TIME MACHINE OF SALES FINANCE COMPANIES

For Printed Matter Used in the Business of Installment Selling and the Business of Installment Financing as Follows: Price Tags, Conditional Sales Contract Forms, Installment Coupon Books, Insurance Premium Financing Contract Forms, Power of Attorney Forms, Note Forms, Notice to Insurance Company Form; Notice to Mortgagee, Trustee, or Governmental Department Form; Notice to Agent, Notice of Acceptance to Assured and Accounting Forms, All Sold as Such by Applicant.

Claims use since Dec. 9, 1935.

Ser. No. 383,412. UNITED PAPER COMPANY, INC., Richmond, Va. Filed Sept. 18, 1936.

20th CENTURY

For Paper Products—Namely, Toilet Papers, Paper Napkins, Paper Towels, Paper Envelopes, Paper Tape.

Claims use since July 1, 1936.

CLASS 38

Prints and Publications

Ser. No. 377,215. EVE PUBLISHING CORPORATION, New York, N. Y. Filed Apr. 15, 1936.

Eve

For Monthly Publication.

Claims use since Mar. 15, 1936.

Ser. No. 382,365. WILL M. TRAER, Jacksonville, Fla. Filed Aug. 19, 1936.

FLORIDA PUBLIC WORKS

For Periodical Publication.

Claims use since Sept. 20, 1932.

Ser. No. 383,270. WILLIAM MORROW & COMPANY, INC., New York, N. Y. Filed Sept. 15, 1936.

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For Series of Books Published from Time to Time.

Claims use since Sept. 1, 1936.

Ser. No. 383,676. OTT COELLN, doing business as Ott Coelln Associates, Chicago, Ill. Filed Sept. 26, 1936.

The CHICAGOAN

For Periodical in the Form of a Magazine Published Monthly.

Claims use since Sept. 22, 1936.

Ser. No. 384,284. COLLYER'S PUBLISHING COMPANY, Chicago, Ill. Filed Oct. 13, 1936.

COLLYER'S BASEBALL

For Periodical.

Claims use since Oct. 10, 1929.

Ser. No. 384,372. BERT E. COLLYER, Chicago, Ill. Filed Oct. 15, 1936.



Trade-mark consists of a portrait of the applicant.

For Column, Section, or Department of a Periodical.

Claims use since Apr. 9, 1914.

Ser. No. 384,833. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed Oct. 26, 1936.

Classified MAGAZINE

For Periodical Publications.

Claims use since Aug. 12, 1936.

Ser. No. 384,909. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Oct. 28, 1936.

THE Feds

For Periodical at Present Published Monthly.
Claims use since June 16, 1936.

Ser. No. 385,051. MANUFACTURERS NEWS BUREAU, INC., Washington, D. C. Filed Nov. 2, 1936.

WASHINGTON NEWSLETTER ~ MANUFACTURERS

For Weekly News Letter for Manufacturers.
Claims use since Oct. 17, 1936.

Ser. No. 385,062. POPULAR MECHANICS COMPANY, Chicago, Ill. Filed Nov. 2, 1936.

WHAT to MAKE

For Periodical.
Claims use since Apr. 28, 1935.

Ser. No. 385,125. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Nov. 2, 1936.

SPORT PICTORIAL

For Periodical at Present Published Monthly.
Claims use since Aug. 13, 1936.

Ser. No. 385,254. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Nov. 7, 1936.

KODAGEM

For Photographic Prints.
Claims use since June 20, 1936.

Ser. No. 385,255. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Nov. 7, 1936.

VELARGE

For Photographic Prints.
Claims use since Sept. 29, 1936.

Ser. No. 385,468. AMALGAMATED LITHOGRAPHERS OF AMERICA, New York, N. Y. Filed Nov. 13, 1936.

LITHOGRAPHERS JOURNAL

For Periodical.
Claims use since January, 1915.

Ser. No. 385,548. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Nov. 12, 1936.

The WHISPERER

For Periodical at Present Published Monthly.
Claims use since Sept. 8, 1936.

CLASS 39

Clothing

Ser. No. 367,977. THE SUPERB GLOVE COMPANY, Johnstown, N. Y. Filed Aug. 3, 1935.

RUGBY GLOVES

The word "Gloves" apart from the mark as shown is disclaimed.
For Men's and Ladies' Dress and Street Gloves Made of Leather.
Claims use since Feb. 1, 1935.

Ser. No. 375,637. ENTERPRISE & CENTURY UNDERGARMENT CO. INC., New York, N. Y. Filed Mar. 6, 1936.

SlipReporter

The word "Slip" is disclaimed apart from the mark.
For Ladies' Slips.
Claims use since Feb. 24, 1936.

Ser. No. 376,434. IRVING KOTZEN INC., New York, N. Y. Filed Mar. 26, 1936.

"Shandara"

For Ladies' Blouses, Dresses, Coats, and Suits Made of Cotton, Wool, and Silk, Either in Combination, or Singly.
Claims use since Feb. 12, 1936.

Ser. No. 378,607. AUGUSTA KNITTING CORPORATION, Utica, N. Y. Filed May. 19, 1936.

AIRY-KNIT PRE-SHRUNK COOL

The words "Airy-Knit", "Pre-Shrunk", and "Cool" are disclaimed apart from the mark.
For Men's, Women's, and Children's Underwear.
Claims use since May 4, 1936.

Ser. No. 382,402. TOBER-SAIFER SHOE COMPANY, St. Louis, Mo. Filed Aug. 20, 1936.

Joléne FASHIONS The ART in Smartness

The words "Fashions" and "Smartness" apart from the other features of the mark are disclaimed.
For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.
Claims use since Aug. 8, 1936.

Ser. No. 383,468. MOE A. CHAUSS, Minneapolis, Minn. Filed Sept. 21, 1936.

Mas-Q-Line

The picture is fanciful. The word "Mas-Q-Line" is disclaimed apart from the mark as shown.
For Men's Spats, Mufflers, Cravats, and Suspenders.
Claims use since June 30, 1936.

Ser. No. 384,658. HERCULES KNITTING CO., Milwaukee, Wis. Filed Oct. 22, 1936.

HERCULES Snuggle Cape

The word "Cape" is disclaimed apart from the mark.
For Knitted Capes.
Claims use since June 4, 1935.

Ser. No. 384,710. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Oct. 23, 1936.

"BREVEEZ"

For Step-In Undergarments in the Nature of Panties.
Claims use since Oct. 5, 1936.

Ser. No. 384,827. THE GREAT WARDROBE, LTD., Santa Barbara, Calif. Filed Oct. 26, 1936.

Burton-kent LTD.

For Suits, Jackets, Sweaters, Coats, and Overcoats for the Use of Men, Women, Boys, and Girls.
Claims use since January, 1925.

Ser. No. 384,844. DUBARRY FROCK, CORP., New York, N. Y. Filed Oct. 27, 1936.

Maternelle

For Women's and Misses' Dresses.
Claims use since Jan. 1, 1936.

Ser. No. 384,889. E-Z-ON DRESSES INC., New York, N. Y. Filed Oct. 28, 1936.

The "E-Z-ON" WRAP-A-ROUND

The term "Wrap-A-Round" is disclaimed apart from the mark.
For Ladies' Dresses.
Claims use since Aug. 17, 1936.

Ser. No. 384,944. MAISON BLANCHE COMPANY, New Orleans, La. Filed Oct. 28, 1936.

All-Prep

The drawing is lined for green.
For Boys' Suits and Overcoats.
Claims use since Sept. 5, 1936.

Ser. No. 385,086. BROWN & LESTER, INC., New York, N. Y. Filed Nov. 3, 1936.

LIDO LEADS

The drawing is lined for red.
For Men's Belts and Suspenders.
Claims use since March, 1934.

Ser. No. 385,395. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Nov. 11, 1936.

WUNDER STRYDE

For Ladies' Rayon Underwear, Pajamas, Nightgowns, and Dresses.
Claims use since Oct. 1, 1936.

Ser. No. 385,403. JULIUS GROSSMAN-FRED GREENBERG DRESS CO., New York, N. Y. Filed Nov. 11, 1936.

The New York Woman

For Misses' and Women's Dresses.
Claims use since Sept. 15, 1936.

Ser. No. 385,411. JOHN KAYE & SON (HUDDERSFIELD) LIMITED, Huddersfield, England. Filed Nov. 11, 1936.

KAYSO

For Articles of Clothing—Namely, Aprons and Overalls.
Claims use since Aug. 28, 1907.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 384,494. AMERICAN MERCHANDISE CO. INC., New York, N. Y. Filed Oct. 19, 1936.

MENDING HOUR

For Needles for Hand Use, and Thimbles Not Made of Precious Metal.
Claims use since Oct. 1, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 378,373. RICH'S, INC., Atlanta, Ga. Filed May 12, 1936.

COTTON CLUB Prints

The words "Cotton" and "Prints" are disclaimed apart from the mark as shown.
For Silk, Woolen, and Cotton Piece Goods and Combinations Thereof.
Claims use since Apr. 1, 1936.

Ser. No. 382,037. CAVENDISH TRADING CORPORATION, New York, N. Y. Filed Aug. 11, 1936.

High Count

The words "High Count" apart from the mark as shown are disclaimed.
For Blankets, Comfortables, Sheeting, Linens, Table Cloths, Napkins, Mattress Pads and Covers, and Curtains.
Claims use since June 1, 1935.

Ser. No. 384,557. ROLLINSON-HAIGH TEXTILE CORP., New York, N. Y. Filed Oct. 19, 1936.

HRH Rollinson's Chevro-Tone

For Pile Fabrics in the Piece.
Claims use since Sept. 7, 1936.

Ser. No. 384,845. DYERSBURG COTTON PRODUCTS, INC., Dyersburg, Tenn. Filed Oct. 27, 1936.

WOOLTOP FLEECE GLOW

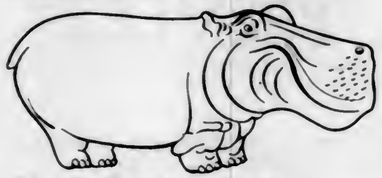
The words "Wooltop Fleece" are disclaimed apart from the mark.
For Cotton and Woolen Piece Goods.
Claims use since June 18, 1936.

Ser. No. 384,993. CASE & CO., INC., New York, N. Y. Filed Oct. 31, 1936.

KAKARAK

For Lace and Net Piece Goods and Embroidered Piece Goods or in the Piece.
Claims use since July 13, 1935.

Ser. No. 385,083. BIGELOW-SANFORD CARPET CO. INC. Thompsonville, Conn. Filed Nov. 3, 1936.



For Woven Textile Rugs and Carpets.
Claims use since July 23, 1936.

Ser. No. 385,148. PACIFIC MILLS, Boston, Mass. Filed Nov. 4, 1936.

KWANTO

For Cotton Piece Goods.
Claims use since 1911.

Ser. No. 385,412. JOHN KAYE & SON (HUDDERSFIELD) LIMITED, Huddersfield, England. Filed Nov. 11, 1936.

SWANDO

For Blankets, Not in the Piece, Made Wholly or Principally of Wool, Perambulator Rugs, and Travelling Rugs.
Claims use since Apr. 1, 1926.

Ser. No. 385,504. WILLIAM BLISS & SON, LIMITED, Chipping Norton, England. Filed Nov. 14, 1936. Under 10-year proviso.

BLISS

For Piece Goods—Namely, Cloths and Stuffs of Wool, Worsted, or Hair.
Claims use since 1860.

Ser. No. 385,536. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 14, 1936.

SUN BONNET

For Cotton Piece Goods.
Claims use since Oct. 14, 1936.

Ser. No. 385,589. JEAN M. LANGENIEUX, New York, N. Y. Filed Nov. 16, 1936.

SPLENDEUR

For Ribbons.
Claims use since Oct. 1, 1935.

Ser. No. 385,624. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 17, 1936.

WOOLANESE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Nov. 11, 1936.

Ser. No. 385,627. I. GINZKEY-MAFFERSDORF, INC., New York, N. Y. Filed Nov. 17, 1936.

TEXLOOP

For Carpets and Rugs.
Claims use since Oct. 28, 1936.

CLASS 43

Thread and Yarn

Ser. No. 384,208. FORREST YARN COMPANY, Philadelphia, Pa. Filed Oct. 10, 1936.



The word "Yarn" is disclaimed apart from the mark as shown.
For Yarns.
Claims use since Sept. 3, 1935.

Ser. No. 384,642. AVONDALE MILLS, Birmingham, Ala. Filed Oct. 22, 1936.

RAYMIX



YARN

The name "Avondale" and the word "Yarn" apart from the mark as shown are disclaimed.
For Yarns Made of Rayon and Cotton, Rayon and Wool, and Rayon and Wool and Cotton.
Claims use since Sept. 1, 1936.

Ser. No. 385,181. FILATEX CORPORATION, New York, N. Y. Filed Nov. 5, 1936.



The representation of the goods is disclaimed apart from the mark as shown.
For Elastic Yarn Formed from Elastic Material Such as Rubber, Rubber Latex, and the Like, Either Covered or Uncovered.
Claims use since Oct. 27, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 382,890. IRVING ROTNER, doing business as Rentor Manufacturing Co., New York, N. Y. Filed Sept. 3, 1936.

RENTOR

For Sanitary Headrest Covers for Dental Chairs.
Claims use since June, 1936.

Ser. No. 385,196. THE NESTLE-LEMUR COMPANY, New York, N. Y. Filed Nov. 5, 1936.

Nestyle

For Hair Waving Pads or Tamplettes.
Claims use since Oct. 15, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 384,298. EDWIN A. RANDALL, Atlanta, Ga. Filed Oct. 13, 1936.

Plantation Punch

The word "Punch" is disclaimed except as shown.
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Sept. 29, 1936.

Ser. No. 384,604. TREESWEET PRODUCTS CO., doing business as Santa Ana Packing Co., Santa Ana, Calif. Filed Oct. 20, 1936.

RIGHTO

For Orange Base and Diluted Lemon Juice for Beverage Purposes.
Claims use since Oct. 10, 1936.

Ser. No. 385,116. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Filed Nov. 3, 1936.

KORKER

For Maltless Soft Drinks.
Claims use since Sept. 30, 1936.

Ser. No. 385,486. MONARCH MANUFACTURING COMPANY, Atlanta, Ga. Filed Nov. 13, 1936.

Cascade

For Ginger Ale and Sirup and Extract for Making the Same, and for Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since September, 1903.

Ser. No. 385,487. MONARCH MANUFACTURING COMPANY, Atlanta, Ga. Filed Nov. 13, 1936.

MINGO

For Cola Beverage and Sirup and Extract for Making the Same and for Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Oct. 1, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 370,361. REID, MURDOCH & Co., Chicago, Ill. Filed Oct. 14, 1935.

BRIDGE SPREAD

The word "Spread" apart from the mark as shown is disclaimed.
For Canned Meat Compound Composed of Deviled Ham, Deviled Tongue, Butter, and Spices.
Claims use since Oct. 1, 1935.

Ser. No. 378,530. F. M. STAMPER COMPANY, Moberly, Mo. Filed May 16, 1936.

QUALITY STAMPER BRAND

The words "Quality Brand" are disclaimed apart from the mark as shown.
For Eggs, Butter, and Poultry and Stock Feeds, Particularly Laying Mash, Chick Starting Food, Dairy Feed, and Hog Feed.
Claims use since January, 1926.

Ser. No. 379,326. WIMPY GRILLS, INC., Chicago, Ill. Filed June 4, 1936.

WIMPY — The Glorified Hamburger

Applicant does not claim the word "Hamburger" excepting as used in the phrase "The Glorified Hamburger" in connection with this mark.
For Sandwiches.
Claims use since Sept. 12, 1934.

Ser. No. 379,335. ALEXANDER & BALDWIN, LTD., Honolulu, Hawaii, San Francisco, Calif., Seattle, Wash., and Portland, Oreg. Filed June 5, 1936.



The drawing is lined for red and yellow.
For Canned Pineapple and Pineapple Juice Used for Food Purposes.
Claims use since July, 1932, on canned pineapple, and since August, 1933, on pineapple juice.

Ser. No. 379,934. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Filed June 19, 1936.



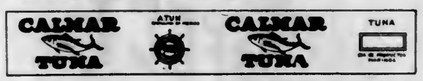
The words "Finest Soft Wheat Flour" are disclaimed apart from the mark. The drawing is lined for blue, yellow, green, and brown.
For Flour, Particularly Wheat Flour, Self Rising Flour, and Wheat Flour with Phosphate Added.
Claims use since Mar. 23, 1936.

Ser. No. 379,935. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Filed June 19, 1936.



The words "Soft Wheat Flour" are disclaimed apart from the rest of the mark. The drawing is lined for yellow, green, and blue.
For Flour, Particularly Wheat Flour, Self Rising Flour, and Wheat Flour with Phosphate Added.
Claims use since Mar. 23, 1936.

Ser. No. 381,402. COMPANIA DE PRODUCTOS MARINOS, S. A., Ensenada, Mexico. Filed July 24, 1936.



The representations of the fish and the label and the words "Calmar", "Tuna", "Atun empacado en Mexico", "Cedros San Lucas Ensenada B. C. Mexico" are disclaimed apart from the mark as shown.
For Canned Fish.
Claims use since January, 1929.

Ser. No. 382,271. JAS. E. KEHOE INC., Chicago, Ill. Filed Aug. 17, 1936.

VYDEMOL

For Condensed Buttermilk Emulsion for Animal and Poultry Feed.
Claims use since Nov. 6, 1933.

Ser. No. 382,419. AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Aug. 21, 1936.

SUNRISE

Applicant is the owner of trade-mark registration No. 210,041.
For Tomato Juice.
Claims use since Aug. 14, 1936.

Ser. No. 382,605. THE SHEAR COFFEE COMPANY OF TEXAS, Waco, Tex. Filed Aug. 26, 1936.

RED DEVIL

For Coffee.
Claims use since July 16, 1936.

Ser. No. 382,925. NEW ENGLAND RETAIL GRAIN DEALERS CO-OPERATIVE ASSOCIATION, Springfield, Mass. Filed Sept. 4, 1936.



For Foods for Poultry and Livestock.
Claims use since Mar. 1, 1936.

Ser. No. 383,252. THE BLUE RAPIDS MILLING & ELEVATOR CO., Blue Rapids, Kans. Filed Sept. 15, 1936.



The word "Perfect" is disclaimed apart from the mark.
For Wheat Flour.
Claims use since Apr. 4, 1927.

Ser. No. 383,490. SESSIONS COMPANY, INC., Enterprise, Ala. Filed Sept. 21, 1936.



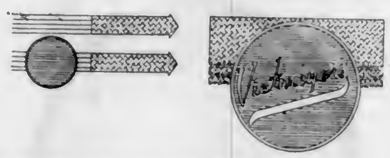
For Cane Syrup.
Claims use since June 1, 1935.

Ser. No. 383,506. THE RICHARD W. KAASE COMPANY, Cleveland, Ohio. Filed Sept. 22, 1936.



The words "Established 1875" and "Your Bakers" are disclaimed apart from the mark as shown.
For Cake, Pies, French Pastries, Cocoanut Kisses, Fruit Kisses, Marzipan, Candies.
Claims use since June 15, 1936.

Ser. No. 384,104. VIETMEYER BROS. Co., Jersey City, N. J. Filed Oct. 7, 1936.



The drawing is lined for orange and blue.
For Bread.
Claims use since Aug. 20, 1936.

Ser. No. 384,278. IRVING WILLIAMS, doing business as Irving Williams Co., Salinas, Calif. Filed Oct. 12, 1936.

SALAD BOWL

For Fresh Vegetables.
Claims use since Sept. 23, 1936.

Ser. No. 384,317. BUTTER CREAM CONFECTIONERY CORP., Union City, N. J. Filed Oct. 14, 1936.



The words "Kernel Corn" are disclaimed apart from the mark. The drawing is lined for blue, orange, and gold.
For Candy.
Claims use since Sept. 26, 1922.

Ser. No. 384,467. STUART LEE JAFFRAY, INC., Brooklyn, N. Y. Filed Oct. 17, 1936.

MALTZETT
POWDER

The word "Powder" is disclaimed apart from the mark as shown.
For Malt Preparation in Powder Form for Bread Making.
Claims use since Oct. 9, 1936.

Ser. No. 384,472. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, Jersey City, N. J., and New York, N. Y. Filed Oct. 17, 1936.

NATIONAL
Pure Cane
TUFTOLITE
Transformed
Sugar

The words "Pure Cane Transformed Sugar" are disclaimed except as shown.
For Sugar.
Claims use since June 19, 1936.

Ser. No. 384,548. MOUNTAIN CREST CREAMERIES CORP., New York, N. Y. Filed Oct. 19, 1936.



The word "Kreemi" is disclaimed apart from the mark shown.
For Butter.
Claims use since Sept. 1, 1936.

Ser. No. 384,705. JOHN GRAFFIONA, [illegible]ll and Acampo, Calif. Filed Oct. 23, 1936.

AIR KING

For Fresh Grapes, Plums, and Cherries and Fresh Vegetables.
Claims use since 1930.

Ser. No. 384,713. NORTHWESTERN YEAST COMPANY, Chicago, Ill. Filed Oct. 23, 1936.

Maca

For Yeast.
Claims use since Oct. 14, 1936.

Ser. No. 384,797. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed Oct. 26, 1936.



For Wheat Flour.
Claims use since Sept. 8, 1936.

Ser. No. 385,013. BEN TRYNIN, doing business as El Rancho Grande, Los Angeles and Flintridge, Pasadena, Calif. Filed Oct. 31, 1936.



For Dates.
Claims use since Oct. 1, 1936.

Ser. No. 385,063. RICE & TOWNSEND, Los Angeles, Calif. Filed Nov. 2, 1936.

H. R. H.

Her Royal Highness

For Aperitif Waffle Wafers of Following Varieties: Rye and Caraway, Peppermint, Caraway, Butter, Bran, Anchovy, Cardamon, Beef, Celery, Cheese, Chicken, Avocado, Annis, Chili, Coffee, Passion Fruit, Onion, Ginger, Flaxseed, Corn, Rice, Rye, Sesame, Tamale, Vegetable, Wheat.
Claims use since Sept. 17, 1936.

Ser. No. 385,103. MARITIME MILLING CO. INC., Buffalo, N. Y. Filed Nov. 3, 1936.



For Dog Food.
Claims use since January, 1933.

Ser. No. 385,183. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 5, 1936.

SPUDDIES

For Potato Products, Particularly Potato Chips.
Claims use since Dec. 19, 1924.

CLASS 47

Wines

Ser. No. 384,407. CHARLES & Co., New York, N. Y. Filed Oct. 16, 1936. Under 10-year proviso.

CHARLES & CO.

For Wines.
Claims use since 1872.

Ser. No. 384,559. SANDUSKY WINERIES, INC., Sandusky, Ohio. Filed Oct. 19, 1936.

ROSE MARIE

For Wines.
Claims use since Sept. 25, 1936.

Ser. No. 385,044. ALBERT M. KANTRO, doing business as Kan-Tro Products Co., Los Angeles, Calif. Filed Nov. 2, 1936.

El Can-Tro

For Wine.
Claims use since Oct. 26, 1936.

Ser. No. 385,090. EUROPEAN WINE EXPORTERS & GROWERS AGENCIES, INC., New York, N. Y. Filed Nov. 3, 1936.

MIRADOR

For Wines—Namely, Sherry, Port, Muscatel, and Malaga.
Claims use since September, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 385,230. FRANK H. MORTIMER, trustee in bankruptcy for Standard Brewing Company, Inc., New Orleans, La. Filed Nov. 6, 1936.

WIRTHBRU

For Beer.
Claims use since April, 1914.

Ser. No. 385,279. THE BRUCKMANN COMPANY, Cincinnati, Ohio. Filed Nov. 9, 1936.

Big Ben

For Malt Beverage, Without Regard to Alcoholic Content and Under any Beverage Limits of Alcoholic Content Allowed by Law.
Claims use since Oct. 26, 1936.

Ser. No. 385,311. FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Nov. 9, 1936.

PANZYME

For Preparation for the Chillproofing of Beer or Ale.
Claims use since Oct. 12, 1936.

Ser. No. 385,511. DREWRYS LIMITED U. S. A., INC., South Bend, Ind. Filed Nov. 14, 1936.



The drawing is lined for red and black. The picture is fanciful.
For Beer and Ale.
Claims use since Oct. 2, 1936.

Ser. No. 385,512. DREWRYS LIMITED U. S. A., INC., South Bend, Ind. Filed Nov. 14, 1936.



The words "Canada's Pride Since 1877" are disclaimed apart from the mark as shown. The drawing is lined for red and gold. The picture is fanciful.
For Beer.
Claims use since Oct. 2, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 385,428. SIBONEY DISTILLING CORPORATION, Philadelphia, Pa. Filed Nov. 11, 1936.



The drawing is lined for red. No claim is made to the words "Extra Dry" apart from the mark arrangement shown.
For Rum.
Claims use since Aug. 13, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 382,024. AMERICAN AUTOMOBILE ASSOCIATION, INCORPORATED, Washington, D. C. Filed Aug. 10, 1936.



For Signs, Mechanical or Structural, Non-Electric Traffic and Street Signs, Directional Signs, Neon-Signs, Theft Plate Signs, Badges, Medals, Pins, and Buttons Made of Base Metal.
Claims use since 1910.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 5, 1937

342,070. OIL BURNERS FOR FURNACES. GOLD STAR OIL BURNER MFG. CO. INC., Yonkers, N. Y.
Filed May 2, 1933. Serial No. 337,388. PUBLISHED OCTOBER 27, 1936. Class 34.

342,071. POWDER PUFFS. FURLAGER MANUFACTURING CO., INC., New York, N. Y.
Filed October 6, 1934. Serial No. 356,835. PUBLISHED OCTOBER 27, 1936. Class 29.

342,072. FRESH, CURED, SMOKED, AND COOKED PORK; SAUSAGE PRODUCTS INCLUDING FRESH, SMOKED, COOKED, AND DRY SAUSAGE; CURED, SMOKED, AND DRIED BEEF; CHEESE AND LARD. ALBANY PACKING CO., INC., Albany, N. Y.
Filed November 3, 1934. Serial No. 357,848. PUBLISHED JULY 23, 1935. Class 46.

342,073. BAKERY PRODUCTS—NAMELY, BISCUIT. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed November 23, 1934. Serial No. 358,561. PUBLISHED APRIL 2, 1935. Class 46.

342,074. CHEESE. KRAFT-PHENIX CHEESE CORPORATION, Chicago, Ill.
Filed July 27, 1935. Serial No. 367,763. PUBLISHED OCTOBER 27, 1936. Class 46.

342,075. CANNED PINEAPPLE. ALEXANDER & BALDWIN, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed August 5, 1935. Serial No. 367,983. PUBLISHED JANUARY 28, 1936. Class 46.

342,076. NEWSPAPER FEATURE. WILL K. HIGGIE, Chicago, Ill.
Filed October 23, 1935. Serial No. 370,855. PUBLISHED OCTOBER 27, 1936. Class 38.

342,077. MOLDED PRODUCTS CONTAINING ASBESTOS—NAMELY, BRAKE LININGS AND BRAKE BLOCKS. THE BONDALL COMPANY, St. Louis, Mo.
Filed December 23, 1935. Serial No. 372,955. PUBLISHED OCTOBER 27, 1936. Class 35.

342,078. AMMUNITION — NAMELY, SHOT GUN SHELLS. WAYNE HUNT, doing business as Wayne Hunt Co., Minneapolis, Minn.
Filed January 28, 1936. Serial No. 374,189. PUBLISHED OCTOBER 27, 1936. Class 9.

342,079. FRESH CITRUS FRUITS. RANDOLPH MARKETING CO., Los Angeles, Calif.
Filed February 3, 1936. Serial No. 374,431. PUBLISHED OCTOBER 27, 1936. Class 46.

342,080. COTTON PIECE GOODS AND RAYON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed February 8, 1936. Serial No. 374,609. PUBLISHED APRIL 21, 1936. Class 42.

342,081. COTTON PIECE GOODS AND RAYON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed February 8, 1936. Serial No. 374,610. PUBLISHED APRIL 28, 1936. Class 42.

342,082. CANNED BEAN SPROUTS, CANNED CHOW MEIN NOODLES, CHOP SUEY SAUCE, CANNED CHOP SUEY VEGETABLES, CANNED CHOP SUEY, SOY SAUCE BEAD MOLASSES. SING LEE COMPANY, Chicago, Ill.
Filed February 17, 1936. Serial No. 374,946. PUBLISHED OCTOBER 27, 1936. Class 46.

342,083. PNEUMATIC TIRES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 6, 1936. Serial No. 375,640. PUBLISHED OCTOBER 27, 1936. Class 35.

342,084. DRY, PASTE, AND READY MIXED PAINTS, PAINT ENAMELS, AND PREPARED SHELLAC. VITA VAR CORP., New York, N. Y.
Filed March 14, 1936. Serial No. 376,019. PUBLISHED OCTOBER 27, 1936. Class 16.

342,085. CORE BINDER AND FOUNDRY SAND BINDER. LELAND H. KIMBALL, Salt Lake City, Utah.
Filed March 23, 1936. Serial No. 376,284. PUBLISHED OCTOBER 27, 1936. Class 5.

342,086. HOOKS, SNELLED HOOKS, FLIES, AND LEADERS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed March 27, 1936. Serial No. 376,466. PUBLISHED OCTOBER 27, 1936. Class 22.

342,087. CATALOGUES CONTAINING ILLUSTRATIONS AND DESCRIPTIONS OF RELIGIOUS ARTICLES, STATUARY AND PICTURES, ETC. "ARS LITURGICA" SPENGLER & CO., Maria Laach, Germany.
Filed April 1, 1936. Serial No. 376,657. PUBLISHED OCTOBER 27, 1936. Class 38.

342,088. TANNED CALF SKINS, SUEDE LEATHER BEING SPECIFICALLY EXCEPTED. SCHEBER LEATHER COMPANY, Cudahy, Wis.
Filed April 10, 1936. Serial No. 377,064. PUBLISHED JULY 7, 1936. Class 1.

342,089. BICYCLES. BORG-WARNER CORPORATION, Chicago, Ill.
Filed April 22, 1936. Serial No. 377,493. PUBLISHED OCTOBER 27, 1936. Class 19.

342,090. ILLUSTRATING BOOKS, CATALOGS, AND ADVERTISING DISPLAYS FOR SALES AND EDUCATIONAL PURPOSES, SOLD AS SUCH IN THE TRADE. FARKAS BROS. INC., Chicago, Ill.
Filed April 30, 1936. Serial No. 377,844. PUBLISHED OCTOBER 27, 1936. Class 38.

342,091. ENGINEERING INSTRUMENTS—NAMELY, TRANSITS, DUMPY AND ABNEY LEVELS, COMPASSES, METEOROLOGICAL RECORDERS, REMOTE REGISTERING SYSTEMS, GAGES, RECORDER PAPER, AND VELOCITY TUBES. LEUPOLD, VOLPEL & COMPANY, Portland, Oreg.
Filed May 2, 1936. Serial No. 377,924. PUBLISHED OCTOBER 27, 1936. Class 26.

342,092. TRADE BULLETIN. THE PROGRESSIVE VARNISH WORKS, Los Angeles, Calif.
Filed May 4, 1936. Serial No. 378,001. PUBLISHED OCTOBER 27, 1936. Class 38.

342,093. CANNED TOMATOES. ITALIAN GROCERIES CORPORATION, New York, N. Y.
Filed May 13, 1936. Serial No. 378,401. PUBLISHED OCTOBER 20, 1936. Class 46.

342,094. BIRD SEED AND BIRD FOODS. CREST FOODS, INC., Detroit, Mich.
Filed May 18, 1936. Serial No. 378,555. PUBLISHED OCTOBER 27, 1936. Class 46.

342,095. PERIODICAL PUBLICATION. MYRON M. LEBENSBURGER, doing business as Quotes Publishing Company, Chicago, Ill.
Filed May 18, 1936. Serial No. 378,572. PUBLISHED OCTOBER 27, 1936. Class 38.

342,096. DRY GIN AND ORANGE GIN. SEAGER, EVANS & CO. LIMITED, London, England.
Filed May 21, 1936. Serial No. 378,716. PUBLISHED OCTOBER 27, 1936. Class 49.

342,097. PHILATELIC STATIONERY, COMPRISING LOOSE-LEAF BINDERS AND THE LOOSE LEAVES THEREFOR AND STAMP HINGES FOR POSTAGE, REVENUE, AND SIMILAR STAMPS. ROBERT I. BARRY, New York, N. Y.
Filed May 23, 1936. Serial No. 378,775. PUBLISHED OCTOBER 27, 1936. Class 37.

342,098. PERIODICALS. HARRY G. HAUGSTEN, Portland, Oreg.
Filed May 25, 1936. Serial No. 378,831. PUBLISHED OCTOBER 27, 1936. Class 38.

342,099. FLUSH VALVES, PLUMBING VALVES AND FAUCETS, AND WATER CLOSETS. CRANE CO., Chicago, Ill.
Filed June 1, 1936. Serial No. 379,084. PUBLISHED OCTOBER 27, 1936. Class 13.

342,100. CARTOONS AND COMIC STRIPS. ALFRED W. KASTEN, New York, N. Y.
Filed June 2, 1936. Serial No. 379,194. PUBLISHED OCTOBER 27, 1936. Class 38.

342,101. ICE SHAVER. POLAR CORPORATION, Los Angeles, Calif.
Filed June 13, 1936. Serial No. 379,585. PUBLISHED OCTOBER 27, 1936. Class 23.

342,102. SOYABEAN FLOUR, SOYABEAN FLAKES USED FOR POULTRY AND STOCK FOOD, AND SOYABEAN MEAL USED FOR POULTRY AND STOCK FOOD. THE MANCHURIA SOYABEAN INDUSTRY CORP., Dairen, Manchuria.
Filed June 12, 1936. Serial No. 379,652. PUBLISHED OCTOBER 27, 1936. Class 46.

342,103. PARKING METERS. PARKRITE CORPORATION, Houston, Tex.
Filed June 15, 1936. Serial No. 379,761. PUBLISHED OCTOBER 27, 1936. Class 26.

342,104. CHILDREN'S TOY SETS—NAMELY, SEWING AND EMBROIDERY SETS, TAPESTRY SETS, KNITTING SETS, WARDROBE OUTFIT SETS, CREPE PAPER CUT-OUT SETS, CHALK AND SLATE EQUIPMENT, CLAY MODELING SETS, AND WATER COLOR PAINTS. ADOLPH WEIN, doing business as American Toy Works, New York, N. Y.
Filed June 18, 1936. Serial No. 379,915. PUBLISHED OCTOBER 27, 1936. Class 22.

342,105. PIES. FIBREWARE CORPORATION, Franklin, Ohio.
Filed June 22, 1936. Serial No. 380,047. PUBLISHED OCTOBER 27, 1936. Class 46.

342,106. BUTTER AND EGGS. ILLINOIS PRODUCERS' CREAMERIES, Chicago, Ill.
Filed June 26, 1936. Serial No. 380,279. PUBLISHED OCTOBER 20, 1936. Class 46.

342,107. INCANDESCENT LAMPS OR BULBS. WABASH APPLIANCE CORP., Brooklyn, N. Y.
Filed June 26, 1936. Serial No. 380,321. PUBLISHED OCTOBER 27, 1936. Class 21.

342,108. GRAIN AND FEED BAGS. CO-OPERATIVE MFG. CO., San Francisco, Calif.
Filed June 29, 1936. Serial No. 380,388. PUBLISHED OCTOBER 27, 1936. Class 2.

342,109. BEER. POINTER BREWING CO., Clinton, Iowa.
Filed June 29, 1936. Serial No. 380,408. PUBLISHED OCTOBER 27, 1936. Class 48.

342,110. TIRES COMPOSED PRINCIPALLY OR WHOLLY OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 2, 1936. Serial No. 380,508. PUBLISHED OCTOBER 27, 1936. Class 35.

342,111. CREAM SEPARATORS. AKTIEBOLAGET PUMP-SEPARATOR, Stockholm, Sweden.
Filed July 6, 1936. Serial No. 380,607. PUBLISHED OCTOBER 27, 1936. Class 23.

342,112. FRESH CITRUS FRUITS. OLIVE HILLSIDE GROVES, Olive, Calif.
Filed July 6, 1936. Serial No. 380,657. PUBLISHED SEPTEMBER 29, 1936. Class 46.

342,113. FILES. HENRY DISSTON & SONS, INCORPORATED, Tacony, Pa.
Filed July 10, 1936. Serial No. 380,863. PUBLISHED OCTOBER 27, 1936. Class 23.

342,114. LATHES AND MILLING MACHINES. VAN NORMAN MACHINE TOOL COMPANY, Springfield, Mass.
Filed July 10, 1936. Serial No. 380,895. PUBLISHED OCTOBER 27, 1936. Class 23.

342,115. SCREWS. THE HOLO-KROME SCREW CORPORATION, Bristol, Conn.
Filed July 13, 1936. Serial No. 380,949. PUBLISHED OCTOBER 27, 1936. Class 13.

342,116. INSTRUMENTS FOR TESTING EYES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed July 16, 1936. Serial No. 381,057. PUBLISHED OCTOBER 27, 1936. Class 26.

342,117. EGGS. KENNEDY & CO., INC., Boston, Mass.
Filed July 15, 1936. Serial No. 381,107. PUBLISHED OCTOBER 27, 1936. Class 46.

342,118. WOOD AND COAL STOVES, RANGES, AND CIRCULATORS. VOLUNTEER MANUFACTURING COMPANY, Nashville, Tenn.
Filed July 20, 1936. Serial No. 381,240. PUBLISHED OCTOBER 27, 1936. Class 34.

342,119. CARBON PAPER. F. S. WEBSTER COMPANY, Cambridge, Mass.
Filed July 21, 1936. Serial No. 381,303. PUBLISHED OCTOBER 27, 1936. Class 11.

342,120. PERIODICAL. TEXAS COTTON GINNERS' ASSOCIATION, INC., Dallas, Tex.
Filed July 22, 1936. Serial No. 381,328. PUBLISHED OCTOBER 27, 1936. Class 38.

342,121. BRIDGE SETS, TABLE CLOTHS, TOWELS, PILLOW CASES, BED SHEETS, BED SPREADS, NAPKINS, LUNCHEON AND DINNER SETS. N. J. RICHMAN CO., New York, N. Y.
Filed July 24, 1936. Serial No. 381,423. PUBLISHED OCTOBER 27, 1936. Class 42.

342,122. FERROUS METAL PLATES, CASTINGS, ROLLS, AND FORGINGS. F. S. PAYNE CO., Cambridge, Boston, Franklin, and Lowell, Mass., New Haven, Conn., and Providence, R. I.
Filed July 25, 1936. Serial No. 381,466. PUBLISHED OCTOBER 27, 1936. Class 14.

342,123. PERIODICAL PUBLICATIONS. WILLIAM SCHULHOF, doing business as Office Publications Company, New York, N. Y.
Filed July 25, 1936. Serial No. 381,468. PUBLISHED OCTOBER 27, 1936. Class 38.

342,124. PEANUT BUTTER. BUFFALO NUT SHOPS, INC., Buffalo, N. Y.
Filed July 25, 1936. Serial No. 381,471. PUBLISHED OCTOBER 27, 1936. Class 46.

342,125. ROPE CLAMPS. REINHOLD LOOS, doing business as Etel Rope Clamp Co., Newark, N. J.
Filed July 28, 1936. Serial No. 381,533. PUBLISHED OCTOBER 27, 1936. Class 13.

342,126. WELDING ROD AND WELDING WIRE. UNA WELDING, INC., Cleveland, Ohio.
Filed July 29, 1936. Serial No. 381,588. PUBLISHED OCTOBER 27, 1936. Class 14.

342,127. WELDING ROD AND WELDING WIRE. UNA WELDING, INC., Cleveland, Ohio.
Filed July 29, 1936. Serial No. 381,589. PUBLISHED OCTOBER 27, 1936. Class 14.

342,128. WELDING ROD AND WELDING WIRE. UNA WELDING, INC., Cleveland, Ohio.
Filed July 29, 1936. Serial No. 381,590. PUBLISHED OCTOBER 27, 1936. Class 14.

342,129. VOLTAGE REGULATORS, TRANSFORMER TYPE. AMERICAN TRANSFORMER COMPANY, Newark, N. J.
Filed July 31, 1936. Serial No. 381,650. PUBLISHED OCTOBER 27, 1936. Class 21.

342,130. LIQUID FINISHING MATERIAL IN THE NATURE OF A PAINT FOR WOOD AND METAL SURFACES. BRADLEY & VROOMAN COMPANY, Chicago, Ill.
Filed July 31, 1936. Serial No. 381,658. PUBLISHED OCTOBER 27, 1936. Class 16.

342,131. SYNTHETIC LIQUID LINER IN THE NATURE OF A PAINT FOR FOOD CONTAINERS AND SIMILAR PACKAGES. BRADLEY & VROOMAN COMPANY, Chicago, Ill.
Filed July 31, 1936. Serial No. 381,659. PUBLISHED OCTOBER 27, 1936. Class 16.

342,132. ABRADING, GRINDING, AND LAPPING MACHINES, AND ATTACHMENTS THERETO, EXCLUDING ABRASIVES OR ABRASIVE WHEELS. NORTON COMPANY, Worcester, Mass.
Filed August 1, 1936. Serial No. 381,724. PUBLISHED OCTOBER 27, 1936. Class 23.

342,133. ABRADING AND GRINDING MACHINES AND ATTACHMENTS THERETO EXCLUDING ABRASIVE WHEELS OR FORMS. NORTON COMPANY, Worcester, Mass.
Filed August 1, 1936. Serial No. 381,725. PUBLISHED OCTOBER 27, 1936. Class 23.

342,134. RUGS AND MATS MADE FROM YARN AND USED PRIMARILY AS SO-CALLED BATH MATS. MCCALLUM & ROBINSON, INC., Memphis, Tenn.
Filed August 5, 1936. Serial No. 381,848. PUBLISHED OCTOBER 27, 1936. Class 42.

342,135. NEWSPAPER COLUMN. TIME, INCOPORATED, New York, N. Y.
Filed August 6, 1936. Serial No. 381,884. PUBLISHED OCTOBER 27, 1936. Class 38.

342,136. MEASURING DEVICE TO DETERMINE THE CORRECT FIT OF HOSIERY. VANITY FAIR SILK MILLS, Reading, Pa.
Filed August 6, 1936. Serial No. 381,886. PUBLISHED OCTOBER 27, 1936. Class 26.

342,137. SILVER-PLATED FLATWARE AND CUTLERY. R. WALLACE & SONS MANUFACTURING COMPANY, Wallingford, Conn.
Filed August 6, 1936. Serial No. 381,887. PUBLISHED OCTOBER 27, 1936. Class 28.

342,138. AERIAL INSULATORS AND RADIOPANELS, AIR CIRCUIT BREAKERS, SWITCHES, COILS, AMPLIFIERS USED WITH RADIO APPARATUS AS LOUD SPEAKERS, ETC. KEENLITE BATTERY CORPORATION, Denver, Colo.
Filed August 7, 1936. Serial No. 381,910. PUBLISHED OCTOBER 27, 1936. Class 21.

342,139. SPAGHETTI SAUCE, CANNED TOMATOES, CANNED STRING BEANS, AND RAVIOLI. VENICE MAID CO. INC., Vineland, N. J.
Filed August 7, 1936. Serial No. 381,922. PUBLISHED OCTOBER 27, 1936. Class 46.

342,140. MIRRORS. THE NURRE COMPANIES, INC., Bloomington, Ind.
Filed August 10, 1936. Serial No. 381,997. PUBLISHED OCTOBER 27, 1936. Class 32.

342,141. SHEET MATERIAL COMPRISING RUBBER AND FIBER. HOOD RUBBER COMPANY, INC., Wilmington, Del., and Watertown, Mass.
Filed August 25, 1936. Serial No. 382,558. PUBLISHED OCTOBER 27, 1936. Class 50.

342,142. DRIED BEANS. SALINAS LAND COMPANY, Ventura, Calif.
Filed August 10, 1936. Serial No. 382,007. PUBLISHED OCTOBER 27, 1936. Class 46.

342,143. CANNED WINES. VACUUM WINE AND SPIRITS CANNING CORP., Elk Grove, Calif.
Filed August 10, 1936. Serial No. 382,013. PUBLISHED OCTOBER 27, 1936. Class 47.

342,144. PRINTED MAPS, PAMPHLETS, BOOKS, PRINTED SIGNS, PHOTOSTAT PRINTS, PHOTO PRINTS, DECALCOMANIAS, POSTERS. AMERICAN AUTOMOBILE ASSOCIATION, INCORPORATED, Washington, D. C.
Filed August 10, 1936. Serial No. 382,028. PUBLISHED OCTOBER 27, 1936. Class 38.

342,145. ELECTRICAL ADVERTISING SIGNS. AMERICAN AUTOMOBILE ASSOCIATION, INCORPORATED, Washington, D. C.
Filed August 10, 1936. Serial No. 382,029. PUBLISHED OCTOBER 27, 1936. Class 21.

342,146. BROOCHES, ORNAMENTAL BUCKLES WORN ON DRESSES AND OTHER WEARING APPAREL AS AN ARTICLE OF JEWELRY, ORNAMENTAL CLIPS WORN ON DRESSES AND OTHER WEARING APPAREL AS AN ARTICLE OF JEWELRY, HAIR ORNAMENTS, NOVELTY JEWELRY, NOT INCLUDING WATCHES, ORNAMENTAL PINS, FASTENERS FOR NECKLACES. QUINPIN CO. INC., New York, N. Y.
Filed August 12, 1936. Serial No. 382,103. PUBLISHED OCTOBER 27, 1936. Class 28.

342,147. PHOTOGRAPHS. PAGANO INC., New York, N. Y.
Filed August 13, 1936. Serial No. 382,137. PUBLISHED OCTOBER 27, 1936. Class 38.

342,148. BOBBINS, SPOOLS, SKEWERS, SCAVENGER ROLLS, TOP CLEARER BOARDS, LOOM BINDERS, AND LEASE RODS FOR USE IN TEXTILE MACHINERY. THE TERRELL MACHINE COMPANY, Charlotte, N. C.
Filed August 14, 1936. Serial No. 382,182. PUBLISHED OCTOBER 27, 1936. Class 23.

342,149. MAYONNAISE, SALAD DRESSING, FRENCH DRESSING, SANDWICH SPREAD, AND THOUSAND ISLAND DRESSING. THE COTTAGE CREAMERY COMPANY, Cleveland, Ohio.
Filed August 15, 1936. Serial No. 382,204. PUBLISHED OCTOBER 27, 1936. Class 46.

342,150. BLOWERS AND FANS. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed August 15, 1936. Serial No. 382,224. PUBLISHED OCTOBER 27, 1936. Class 34.

342,151. ICE CREAM POWDER. PERKINS PRODUCTS COMPANY, Chicago, Ill.
Filed August 15, 1936. Serial No. 382,233. PUBLISHED OCTOBER 27, 1936. Class 46.

342,152. CHOCOLATE FROSTING. MY JON'S, INC., New York, N. Y.
Filed August 17, 1936. Serial No. 382,273. PUBLISHED OCTOBER 20, 1936. Class 46.

342,153. ALE. ABE KANNER, doing business as Globe Bottling Co., Los Angeles, Calif.
Filed August 18, 1936. Serial No. 382,313. PUBLISHED OCTOBER 27, 1936. Class 48.

342,154. BEER. ABE KANNER, doing business as Globe Bottling Co., Los Angeles, Calif.
Filed August 18, 1936. Serial No. 382,314. PUBLISHED OCTOBER 27, 1936. Class 48.

342,155. CANNED DOG FOODS. VIMPEP FOODS, INC., Cambridge, Md.
Filed August 18, 1936. Serial No. 382,329. PUBLISHED OCTOBER 27, 1936. Class 46.

342,156. DOUGHNUTS. JAMES W. DUNLAP, Birmingham, Ala.
Filed August 20, 1936. Serial No. 382,383. PUBLISHED OCTOBER 27, 1936. Class 46.

342,157. NEWSPAPER. EDGAR GORDON, doing business as The Spanish-American Shopping News Publishing Co., Los Angeles, Calif.
Filed August 21, 1936. Serial No. 382,427. PUBLISHED OCTOBER 27, 1936. Class 38.

342,158. PORTABLE FIRE EXTINGUISHERS. PYRENE MANUFACTURING COMPANY, Newark, N. J.
Filed August 21, 1936. Serial No. 382,444. PUBLISHED OCTOBER 27, 1936. Class 23.

342,159. BUTTER, CHEESE, EGGS, AND CREAM. THE RIVER PLATE DAIRY COMPANY, LIMITED, Buenos Aires, Argentina.
Filed August 21, 1936. Serial No. 382,446. PUBLISHED OCTOBER 27, 1936. Class 46.

342,160. BUTTER, CHEESE, EGGS, AND CREAM. THE RIVER PLATE DAIRY COMPANY, LIMITED, Buenos Aires, Argentina.
Filed August 21, 1936. Serial No. 382,447. PUBLISHED OCTOBER 27, 1936. Class 46.

342,161. VALVES OF THE DIAPHRAGM MOTOR TYPE. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y.
Filed August 21, 1936. Serial No. 382,452. PUBLISHED OCTOBER 27, 1936. Class 13.

342,162. ICE CREAM. SOUTHERN DAIRIES, INC., Washington, D. C.
Filed August 22, 1936. Serial No. 382,491. PUBLISHED OCTOBER 27, 1936. Class 46.

342,163. CANNED CITRUS JUICES FOR FOOD PURPOSES. GOLD BUCKLE ASSOCIATION, East Highlands, Calif.
Filed August 24, 1936. Serial No. 382,511. PUBLISHED OCTOBER 27, 1936. Class 46.

342,164. PREPARATION FOR MODIFYING MILK TO ENRICH ITS RECONSTRUCTIVE, NUTRITIVE QUALITIES AND MAKE IT EASIER OF DIGESTION AND ASSIMILATION. WILLIAM WINFIELD SIMPSON, doing business as The Salactos Co., Pasadena, Calif.
Filed August 24, 1936. Serial No. 382,532. PUBLISHED OCTOBER 27, 1936. Class 46.

342,165. PERIODICALS. DIESEL PUBLICATIONS, INC., New York, N. Y.
Filed August 25, 1936. Serial No. 382,550. PUBLISHED OCTOBER 27, 1936. Class 38.

342,166. HANDBAGS FOR WOMEN. TEXAS TANNING & MANUFACTURING COMPANY, Yoakum, Tex.
Filed August 27, 1936. Serial No. 382,642. PUBLISHED OCTOBER 27, 1936. Class 3.

342,167. PRIMING PAINT. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed August 28, 1936. Serial No. 382,681. PUBLISHED OCTOBER 27, 1936. Class 16.

342,168. COIN CONTROLLED AMUSEMENT APPARATUS. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed August 29, 1936. Serial No. 382,715. PUBLISHED OCTOBER 27, 1936. Class 22.

342,169. RULED AND PRINTED FORMS FOR ACCOUNTING. THE STECK COMPANY, Austin, Tex.
Filed August 29, 1936. Serial No. 382,729. PUBLISHED OCTOBER 27, 1936. Class 37.

342,170. WHOLE MILK POWDER. WESCO FOODS COMPANY, Cincinnati, Ohio.
Filed August 29, 1936. Serial No. 382,733. PUBLISHED OCTOBER 27, 1936. Class 46.

342,171. SKIM MILK POWDER. WESCO FOODS COMPANY, Cincinnati, Ohio.
Filed August 29, 1936. Serial No. 382,735. PUBLISHED OCTOBER 27, 1936. Class 46.

342,172. GOLF BALLS. THE L. A. YOUNG COMPANY, Detroit, Mich.
Filed August 29, 1936. Serial No. 382,737. PUBLISHED OCTOBER 27, 1936. Class 22.

342,173. ALCOHOLIC COCKTAILS. M. A. MULLER, doing business as Puritan Vintage Products Co., San Francisco, Calif.
Filed August 31, 1936. Serial No. 382,761. PUBLISHED OCTOBER 27, 1936. Class 49.

342,174. MOTH-PROOFING WATER PAINT. STANDEX CORPORATION, Los Angeles, Calif.
Filed August 31, 1936. Serial No. 382,776. PUBLISHED OCTOBER 27, 1936. Class 16.

342,175. LOUD SPEAKERS. CINAUDAGRAPH CORPORATION, Stamford, Conn.
Filed September 1, 1936. Serial No. 382,787. PUBLISHED OCTOBER 27, 1936. Class 21.

342,176. POWER LAWN MOWERS. MOHAWK EQUIPMENT CORPORATION, Chicago, Ill.
Filed September 1, 1936. Serial No. 382,802. PUBLISHED OCTOBER 27, 1936. Class 23.

342,177. ELECTRICAL DISPLAY SIGNS. MARVEON DISPLAYS, INC., Rock Springs, Wyo.
Filed September 2, 1936. Serial No. 382,837. PUBLISHED OCTOBER 27, 1936. Class 21.

342,178. PAPER NAPKINS. THE STERILEK COMPANY INC., Brooklyn, N. Y.
Filed September 2, 1936. Serial No. 382,844. PUBLISHED OCTOBER 27, 1936. Class 37.

342,179. PAPER CUPS. UNITED STATES ENVELOPE COMPANY, Springfield, Mass.
Filed September 2, 1936. Serial No. 382,847. PUBLISHED OCTOBER 27, 1936. Class 2.

342,180. COMPOSITION PRINTING PLATES. ARMSTRONG CORK PRODUCTS COMPANY, Lancaster, Pa.
Filed September 3, 1936. Serial No. 382,855. PUBLISHED OCTOBER 27, 1936. Class 50.

342,181. STORAGE BATTERIES. PREST-O-LITE STORAGE BATTERY CORPORATION, Speedway, Ind.
Filed September 3, 1936. Serial No. 382,885. PUBLISHED OCTOBER 27, 1936. Class 21.

342,182. TOOTH BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed September 3, 1936. Serial No. 382,886. PUBLISHED OCTOBER 27, 1936. Class 29.

342,183. TOY BANKS. VANIO, INC., New York, N. Y.
Filed September 3, 1936. Serial No. 382,896. PUBLISHED OCTOBER 27, 1936. Class 22.

342,184. EYE-GLASSES USED FOR SPORTING PURPOSES. E. B. MEYROWITZ, INC., New York, N. Y.
Filed September 4, 1936. Serial No. 382,923. PUBLISHED OCTOBER 27, 1936. Class 26.

342,185. PHOTOGRAPHIC MATERIALS AND MORE PARTICULARLY DEVELOPING, FIXING, AND WASHING TANKS, DEVELOPERS, PRINTERS, TITLERS, PRINT TONGS, PRINT ROLLERS, AND CAMERA CASES. WILLOUGHBY CAMERA STORES, INC., New York, N. Y.
Filed September 4, 1936. Serial No. 382,936. PUBLISHED OCTOBER 27, 1936. Class 26.

342,186. PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL, RAYON, COTTON, CHINA GRASS, OR MIXTURES THEREOF. BIANCHINI FERIER, INC., New York, N. Y.
Filed September 5, 1936. Serial No. 382,939. PUBLISHED OCTOBER 27, 1936. Class 42.

342,187. COIN CONTROLLED AMUSEMENT APPARATUS. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed September 5, 1936. Serial No. 382,948. PUBLISHED OCTOBER 27, 1936. Class 22.

342,188. RUBBER VEHICLE TIRES. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed September 5, 1936. Serial No. 382,951. PUBLISHED OCTOBER 27, 1936. Class 35.

342,189. HONE FOR GRINDING CYLINDER WALLS. MICROMATIC HONE CORPORATION, Detroit, Mich.
Filed September 4, 1936. Serial No. 382,988. PUBLISHED OCTOBER 27, 1936. Class 23.

342,190. HONE FOR GRINDING CYLINDER WALLS. MICROMATIC HONE CORPORATION, Detroit, Mich.
Filed September 4, 1936. Serial No. 382,990. PUBLISHED OCTOBER 27, 1936. Class 23.

342,191. BEDROOM, BATHROOM, TABLE, AND KITCHEN LINENS, SHEETS, PILLOW CASES, BEDSPREADS, DRAPES, CURTAINS, TOWELS, SCARFS, NAPKINS, TABLE CLOTHS, MATS, DOILIES, LUNCHEON AND DECORATIVE SETS AND CLOTHS. DEFENDER MFG. COMPANY, INC., New York, N. Y.
Filed September 8, 1936. Serial No. 383,008. PUBLISHED OCTOBER 27, 1936. Class 42.

342,192. WHISKEY. T. W. SAMUELS DISTILLERY, INC., Deatsville, Ky., and Cincinnati, Ohio.
Filed September 8, 1936. Serial No. 383,034. PUBLISHED OCTOBER 27, 1936. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

342,193. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 25, 1933. Serial No. 342,890.

Old Dominion Whisky

For Whiskey.
Claims use since Oct. 11, 1933.

342,194. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SCHO-WHITE COMPANY, Louisville, Ky., assignor to Scho-White Company, Louisville, Ky., a corporation of Texas. Filed Aug. 15, 1935. Serial No. 368,354.

LOBAKNAMEL

For Low Heat Baking Enamel.
Claims use since July 23, 1935.

342,195. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BOYLE LEATHER GOODS CO., INC., New York, N. Y. Filed Aug. 31, 1935. Serial No. 368,875.

BOYLE-FLITEKIT

For Handbags, Pocketbooks, Portfolios, Trunks, Suitcases, Hat Boxes, Shoe Boxes, Pullman Cases, Wardrobe Cases, and Overnight Cases.
Claims use since Apr. 2, 1935.

342,196. (CLASS 38. PRINTS AND PUBLICATIONS.) BLOCK JONES PHOTO CO., INC., Boston, Mass. Filed Sept. 17, 1935. Serial No. 369,394.

PARIS PRINTS

For Enlarged Photographic Pictures.
Claims use since Apr. 15, 1935.

342,197. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LIGHT PHOTO SERVICE INC., New York, N. Y. Filed Oct. 11, 1935. Serial No. 370,262.

"NATURAL-TONE"

For Photographic Contact Printing Paper.
Claims use since Aug. 26, 1935.

342,198. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VITA VAR CORPORATION, New York, N. Y. Filed Oct. 11, 1935. Serial No. 370,282.

SPEEDY-WIPE

For Dry, Paste, and Ready Mixed Paints, Varnishes, Paint Enamels, and Furniture Polish.
Claims use since Sept. 26, 1935.

342,199. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) STANDARD BRIEF CASE CO., New York, N. Y. Filed Nov. 1, 1935. Serial No. 371,081.

E-ZOPEN

For Brief Cases, School Bags, Zipper Bags, Portfolios, and Carrying Envelopes Made of Leather, Fabric, Imitation Leather, and Leather Substitutes.
Claims use since June 17, 1935.

342,200. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIMAY-CHANY, INC., doing business as Prince de Chany, Inc., Culver City, Calif., assignor to Vimay Parfums, Incorporated, Culver City, Calif., a corporation of California. Filed Nov. 4, 1935. Serial No. 371,190.

ORANGE PETALS

For Perfumes.
Claims use since Sept. 26, 1935.

342,201. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SILVER KING CANNING CO. INC., Kansas City, Mo. Filed Nov. 5, 1935. Serial No. 371,235.

Choice of America

For Dog and Cat Food.
Claims use since Oct. 15, 1935.

342,202. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) L. B. ELLIOTT PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 25, 1935. Serial No. 371,967.

COMBINATION

For Coin-Controlled Amusement Apparatus.
Claims use since Oct. 21, 1935.

342,203. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIONEER QUALITY EGG PRODUCERS, INC., Bellingham, Wash. Filed Nov. 29, 1935. Serial No. 372,113.

THE PEAK OF QUALITY

For Fresh Eggs.
Claims use since Nov. 25, 1935.

342,204. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MARYLAND WINE & LIQUOR CO., doing business as Maryland Liquor Co., Chicago, Ill. Filed Jan. 6, 1936. Serial No. 373,385.

JULES MARIE

For Brandy.
Claims use since Nov. 19, 1935.

342,205. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) BRIGHTMAN LEATHER CO., INC., Brooklyn, N. Y. Filed Mar. 2, 1936. Serial No. 375,421.



For Leather.
Claims use since Nov. 10, 1935.

342,206. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INTERSTATE RICE SALES CO., INC., Crowley, La. Filed Apr. 20, 1936. Serial No. 377,395.

VERIBEST BLUE ROSE

For Rice.
Claims use since Feb. 16, 1933.

342,207. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NALLEY'S, INC., Tacoma, Wash. Filed May 14, 1936. Serial No. 378,446.

Tang

For Dressing or Condiment for Salads, Fish, Oysters, Crabs, Cold Meats, and Sausages.
Claims use since February, 1935.

342,208. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HOWARD O. TRERICE, doing business as H. O. Trerice Co., Detroit, Mich. Filed Oct. 2, 1936. Serial No. 383,905.

TRERICE

For Steam Traps.
Claims use since Feb. 18, 1927.

342,209. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) GUS SINGER, Denver, Colo. Filed Oct. 10, 1936. Serial No. 384,220.

IRISH CLUB

For Whiskey.
Claims use since 1906.

342,210. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SELVA & SONS, INC., New York, N. Y. Filed Oct. 24, 1936. Serial No. 384,763.

HOLLYWOOD

For Taps for Dancing Shoes.
Claims use since September, 1935.

342,211. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Nov. 13, 1936. Serial No. 385,489.

Dr. Pasteur

For Toothbrushes.
Claims use since February, 1921.

TRADE-MARK REGISTRATIONS RENEWED

113,578. INK IN TABLET FORM. Registered October 24, 1916. THE GENERAL ECLIPSE CO., Danielson, Conn., a corporation of Connecticut. Renewed October 24, 1936.

113,997. WHEAT-FLOUR. Registered November 14, 1916. MCMANNESS MILLING & GRAIN CO., Findlay, Ohio, a corporation of Ohio. Renewed November 14, 1936.

114,100. STILL WATER, CHARGED OR SPARKLING TABLE-WATER, AND GINGER-CHAMPAGNE, A NON-ALCOHOLIC BEVERAGE. Registered November 28, 1916. THE MANITOU MINERAL WATER COMPANY, Manitou, Colo. Renewed November 28, 1936, to El Pomar Investment Company, Colorado Springs, Colo., a corporation of Colorado, assignee.

114,101. CERTAIN NON-ALCOHOLIC BEVERAGE. Registered November 28, 1916. THE MANITOU MINERAL WATER COMPANY, Manitou, Colo. Renewed November 28, 1936, to El Pomar Investment Company, Colorado Springs, Colo., a corporation of Colorado, assignee.

114,102. GINGER-CHAMPAGNE, A NON-ALCOHOLIC BEVERAGE. Registered November 28, 1916. THE MANITOU MINERAL WATER COMPANY, Manitou, Colo. Renewed November 28, 1936, to El Pomar Investment Company, Colorado Springs, Colo., a corporation of Colorado, assignee.

114,174. CERTAIN NAMED FOODS. Registered December 5, 1916. NAVE-MCCORD MERCANTILE CO., St. Joseph, Mo. Renewed December 5, 1936, to Western Grocer Company, Marshalltown, Iowa, a corporation of Iowa, assignee.

114,790. CHINAWARE. Registered January 2, 1917. MADDOCK POTTERY COMPANY. Renewed January 2, 1937, to Scammell China Company, Trenton, N. J., a corporation of New Jersey, successor.

114,828. PAPER SPOONS. Registered January 2, 1917. THE SANISPOON CO., Boston, Mass. Renewed January 2, 1937, to Sanitary Products Corporation of America, Philadelphia, Pa., a corporation of Virginia, assignee.

114,938. A GASEOUS FUEL COMPOUND SUITABLE FOR CUTTING AND WELDING PURPOSES. Registered January 16, 1917. CARBO HYDROGEN CO. OF AMERICA. Renewed January 16, 1937, to Carbo-Oxygen Company, Inc., Pittsburgh, Pa., a corporation of Delaware, assignee by mesne assignments.

114,942. WATERPROOF AUTOMOBILE AND CARRIAGE FABRICS. Registered January 16, 1917. F. S. CARR COMPANY. Renewed January 16, 1937, to Cable Raincoat Company, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

115,002. CERTAIN NAMED STEAM REGULATING DEVICES, PUMPS, ENGINES, AND THE LIKE. Registered January 16, 1917. MASON REGULATOR COMPANY. Renewed January 16, 1937, to Mason-Neilan Regulator Company, Boston, Mass., a voluntary trust of Massachusetts, by change of name.

115,429. BEESWAX. Registered February 13, 1917. AMERICAN SUGAR COMPANY, LTD., Honolulu, and county of Maui, Territory of Hawaii, a corporation of the Territory of Hawaii. Renewed February 13, 1937.

115,487. CERTAIN INSTRUMENTS AND PARTS THEREOF USED FOR CUTTING AND WELDING PURPOSES. Registered February 20, 1917. CARBO-HYDROGEN COMPANY OF AMERICA. Renewed February 20, 1937, to Carbo-Oxygen Company, Inc., Pittsburgh, Pa., a corporation of Delaware, assignee by mesne assignments.

115,496. WIRE AND METALLIC STRIPS HIGHLY RESISTANT TO HEAT AND OF LOW ELECTRICAL CONDUCTIVITY. Registered February 20, 1917. DRIVER HARRIS WIRE COMPANY. Renewed February 20, 1937, to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey, by change of name.

115,721. SNAP-FASTENERS. Registered March 6, 1917. THE AUTOYRE COMPANY, Oakville, Conn., a corporation of Connecticut. Renewed March 6, 1937.

115,722. SNAP-FASTENERS. Registered March 6, 1917. THE AUTOYRE COMPANY, Oakville, Conn., a corporation of Connecticut. Renewed March 6, 1937.

115,936. CERTAIN NAMED FOODS. Registered March 27, 1917. THE J. S. BROWN MERCANTILE CO., Denver, Colo., a corporation of Colorado. Renewed March 27, 1937.

116,008. MEDICINAL LINSEED-OIL FOR HUMAN AND ANIMAL USE AND PARANITRANILIN. Registered March 27, 1917. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio, a corporation of Ohio. Renewed March 27, 1937.

116,032. COMPOSITION ROOFING. Registered April 3, 1917. THE BLOUNT LUMBER CO., Lacona, N. Y., a corporation of New York. Renewed April 3, 1937.

116,130. CAMERAS. Registered April 10, 1917. EASTMAN KODAK CO. Renewed April 10, 1937, to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware, assignee.

116,140. CERTAIN NAMED STOPPERS AND CLOSURES MADE WHOLLY OR PARTLY OF CORK OR COMPOSITIONS RESEMBLING CORK. Registered April 10, 1917. INTERNATIONAL CORK COMPANY, Brooklyn, N. Y. Renewed April 10, 1937, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York, assignee by mesne assignments.

116,510. A PREPARATION FOR THE TREATMENT OF CERTAIN NAMED DISEASES. Registered May 8, 1917. STEPHEN FARGO, Cleveland, Ohio. Renewed May 8, 1937.

116,513. A REMEDY FOR MUSCULAR RHEUMATISM. Registered May 8, 1917. ALPHONSE P. FOOSE. Renewed May 8, 1937, to Charles L. Moorman, doing business as Globe Drug Company, Dayton, Ohio, successor.

116,574. CERTAIN-NAMED PAINTS AND PAINTERS' MATERIALS. Registered May 15, 1917. ATLANTIC DRIER & VARNISH CO. Renewed May 15, 1937, to Monad Paint & Varnish Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

116,575. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered May 15, 1917. ATLANTIC DRIER & VARNISH CO. Renewed May 15, 1937, to Monad Paint & Varnish Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

116,590. OLEOMARGARIN. Registered May 15, 1917. CAPITAL CITY DAIRY CO. Renewed May 15, 1937, to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware, by change of name.

116,655. WHEAT-FLOUR. Registered May 15, 1917. LOUIS LEVY GROCER CO., LTD., Baton Rouge, La., a corporation of Louisiana. Renewed May 15, 1937.

116,680. CERTAIN NAMED MEDICINES AND PHARMACEUTICAL PREPARATIONS. Registered May 15, 1917. PIERCE ABBOTT DIETRICH, Philadelphia, Pa. Renewed May 15, 1937.

LABELS

REGISTERED JANUARY 5, 1937

48,680.—*Title:* BALZA'S CRISPY. For Dill Pickles. E. J. BALZA COMPANY, Green Bay, Wis. Published August 1, 1936.

48,681.—*Title:* BORDEN'S BUTTER—FRESH EVERY DAY. For Butter. THE BORDEN COMPANY, New York, N. Y. Published June 29, 1936.

48,682.—*Title:* SEA GARDEN. For Oysters. CONSOLIDATED OYSTER CO., San Francisco, Calif. Published October 2. 1936.

48,683.—*Title:* EMBASSY CLUB. For Blend of Straight Whiskies. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published October 30, 1936.

48,684.—*Title:* OLD CLASSIC. For Straight Rye Whisky. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published November 12, 1936.

48,685.—*Title:* FLOR'DA-SWEET. For Fresh Citrus Fruit. FLORIDA CITRUS EXCHANGE, Tampa, Fla. Published October 10, 1936.

48,686.—*Title:* SMITH'S HOLSUM BREAD. For Bread. GENERAL BAKING COMPANY, New York, N. Y. Published November 10, 1936.

48,687.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,688.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,689.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,690.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,691.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,692.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,693.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,694.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,695.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,696.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,697.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,698.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1936.

48,699.—*Title:* HUYLER'S HI-SPOT ICE CREAM. For Ice Cream. HUYLER'S, New York, N. Y. Published May 27, 1936.

48,700.—*Title:* KING CITRUS. For Canned Grapefruit. KING CITRUS FRUIT CORP., Tampa, Fla. Published April 1, 1936.

48,701.—*Title:* EASTSIDE DRY. For Lime Rickey. LOS ANGELES BREWING CO., Los Angeles, Calif. Published October 1, 1936.

48,702.—*Title:* EASTSIDE DRY. For Ginger Ale. LOS ANGELES BREWING CO., Los Angeles, Calif. Published October 1, 1936.

48,703.—*Title:* EASTSIDE DRY SPARKLING WATER. For Lithiated Carbonated Water. LOS ANGELES BREWING CO., Los Angeles, Calif. Published October 1, 1936.

48,704.—*Title:* SUN SIP. For Grapefruit Juice. GREGG MAXCY, INC., Sebring, Fla. Published October 1, 1936.

48,705.—*Title:* BIG CHIEF. For Bread. R. J. MEIZEK COMPANY, Chicago, Ill. Published June 2, 1936.

48,706.—*Title:* OLD HUTCH. For Blended Whiskey. EDWARD H. NASARZEWSKI, doing business as Standard Products Co., Chicago, Ill. Published November 2, 1936.

48,707.—*Title:* OLD HUTCH SPECIAL. For Blended Whiskey. EDWARD H. NASARZEWSKI, doing business as Standard Products Co., Chicago, Ill. Published November 2, 1936.

48,708.—*Title:* MITY FINE. For Soap Flakes. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published October 13, 1936.

48,709.—*Title:* ENERGY. For Soap Chips. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published October 13, 1936.

48,710.—*Title:* SANI-TEX. For Hygiene Soap. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published October 13, 1936.

48,711.—*Title:* ENERGY. For Soap Granules. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published October 13, 1936.

48,712.—*Title:* STEPSOFT FOOT APPLIANCES FOR MEN AND WOMEN. For Insoles. SILVERITE-GUTTERMAN CO., doing business as Stepsoft Products Company, Boston, Mass. Published February 11, 1935.

48,713.—*Title:* STEPSOFT FOOT APPLIANCES FOR MEN AND WOMEN. For Appliances Made of Sponge Rubber for Attaching in the Heels of Shoes To Prevent Slipping of Heels and Wear on Hose. SILVERITE-GUTTERMAN CO., doing business as Stepsoft Products Company, Boston, Mass. Published February 11, 1935.

48,714.—*Title:* "REAL GERMAN" BRAND. For Beer. YOUGH BREWING COMPANY, Connellsville, Pa. Published November 2, 1936.

LABELS RENEWED

14,573. "PERFECTO GARCIA & BROS." For Cigars. Registered December 29, 1908. PERFECTO GARCIA & BROS., Chicago, Ill., and Tampa, Fla. Renewed December 29, 1936, to Perfecto Garcia & Bros., Chicago, Ill., a partnership.

PRINTS

REGISTERED JANUARY 5, 1937

15,991.—*Title:* LIKE A THIEF IN THE NIGHT. For Carburetors. BENDIX PRODUCTS CORPORATION, South Bend, Ind. Published October 12, 1936.

15,992.—*Title:* YOUR ATTITUDE OF BUILD. For Custom-Tailored Suits and Overcoats. THE UNITED WOOLEN COMPANY, Columbus, Ohio. Published November 19, 1936.

REISSUES

JANUARY 5, 1937

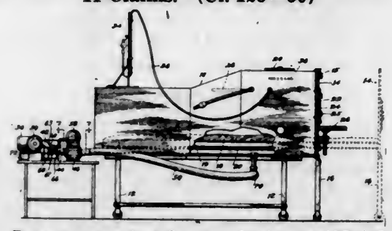
20,226

RESPIRATION APPARATUS

Philip Drinker and Louis Agassiz Shaw, Boston, Mass., assignors, by mesne assignments, to Warren E. Collins, Warren E. Collins, Jr., and Walter G. Chick, all of Boston, Mass.; Warren E. Collins, Jr., executor of said Warren E. Collins, deceased

Original No. 1,834,580, dated December 1, 1931, Serial No. 380,271, July 23, 1929. Application for reissue June 1, 1936, Serial No. 82,941

11 Claims. (Cl. 128—30)



1. In an appartus for producing artificial respiration, a casing constructed to receive the major portion of the body of a patient, a bed which is slidable into and out of said casing, said casing having a rigid removable wall section connected to said bed and slidable therewith and including an opening through which the head of the patient may be passed, a head rest supported on said removable wall section and movable therewith, a sealing member positioned in said opening and formed with a restricted opening adapted to fit snugly around the neck of the patient, means for forming a seal between said movable wall and the casing and means for producing alternate variations of pressure within said casing.

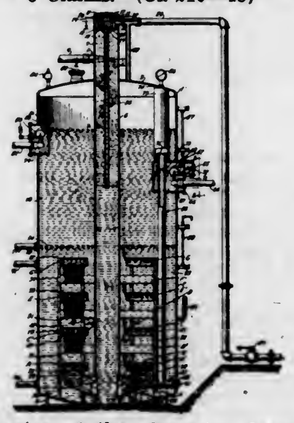
20,227

APPARATUS FOR TREATING LIQUIDS

Joseph C. Gordon, Caripito, Venezuela, assignor to Black, Sivalls & Bryson, Inc., Oklahoma City, Okla., a corporation of Maine

Original No. 2,003,589, dated June 4, 1935, Serial No. 680,522, July 15, 1933. Application for reissue November 2, 1936, Serial No. 108,812

6 Claims. (Cl. 210—48)



1. Apparatus of the character described including a tank containing a body of treating liquid, means for delivering liquids to be treated to the body of treating liquid for gravitational flow therethrough, and a vertical series of inverted and elongated pan members in the tank, each including a top plate having depending sides forming downwardly opening channels in the path of the gravitational flow of the liquids under treatment for detaining and confining a definite body of the liquids under treatment for movement longitudinally through the respective channels in one direction, each of said pan members having a series of outlets in the lower edge of one of its sides near an end thereof to successively direct the flow of the liquids under treatment longitudinally through the channels and from each channel to a next in series through said side outlets.

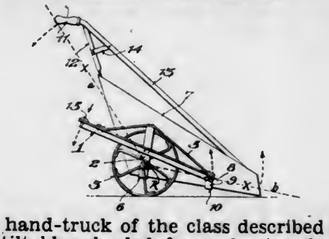
20,228

SHOVELING HAND TRUCK AND THE LIKE

Arthur Charles Gulliver, London, England

Original No. 2,026,310, dated December 31, 1935, Serial No. 15,669, April 10, 1935. Application for reissue July 7, 1936, Serial No. 89,414

6 Claims. (Cl. 37—130)



5. A hand-truck of the class described including a tiltable wheeled frame having front and rear depressible portions, and an open front shoveling receptacle provided with a rearwardly extending handle member disposed a distance above the rear portion of the frame, the said receptacle with its handle being in the form of a bent lever having a fulcruming action at its angle on the wheel axles and also having its forwardly extending part pivotally connected with the front portion of the tiltable wheeled frame.

20,229

SPINDLE

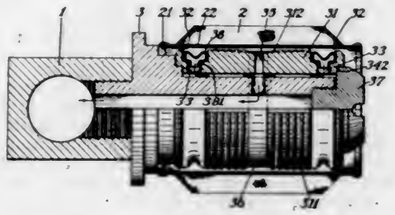
Frederick G. Kraft, Richmond, Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Original No. 1,972,150, dated September 4, 1934, Serial No. 695,286, October 26, 1933. Application for reissue July 18, 1936, Serial No. 91,435

8 Claims. (Cl. 18—8)

1. In an apparatus for the fluid treatment of thread, a hollow perforated thread holder, a hollow perforated spindle to carry the thread holder, means for reducing the pressure within the spindle to be below the pressure outside the spindle, means for forcing liquid under pressure through the thread holder, and means for sealing the ends of the thread holder comprising flexible tubes of slightly greater diameter than the interior diameter of the thread holder encircling the spindle

at points adjacent the thread holder ends, means connecting the interior of the tubes with the interior of the spindle whereby the tubes may be collapsed or put under interior pressure according to the pressure existing within the spindle,



and a flexible rubber band covering the said perforations in the spindle to permit fluid to be forced through the thread holder but closing the perforations of the spindle when the interior of the spindle is under reduced pressure.

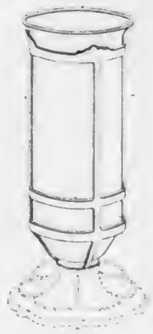
20,230

DESIGN FOR A CANDLE LAMP

Thomas J. Muench and Oscar D. Guilfoil, Syracuse, N. Y., assignors to Muench-Kreuzer Candle Company Inc., Syracuse, N. Y., a corporation of New York

Original No. 100,876, dated August 18, 1936, Serial No. 60,795, January 24, 1936, for 14 years. Application for reissue October 8, 1936, Serial No. 65,211

Term of patent 14 years



The ornamental design for a candle lamp substantially as shown and described.

20,231

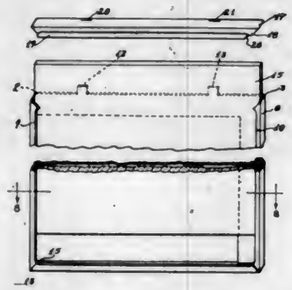
MIRROR FRAME DOOR

Sidney Piker, Hamilton, Ohio, assignor to The Hamilton Metal Products Company, Hamilton, Ohio, a corporation of Ohio

Original No. 1,954,225, dated April 10, 1934, Serial No. 633,494, September 16, 1932. Application for reissue March 11, 1935, Serial No. 10,495

10 Claims. (Cl. 88—100)

6. In a frame for a mirror or the like the combination of a four sided plate member having top, bottom, and side edges, a mirror or the like receiving channel projecting from three of said edges and each comprising a side and a front piece adapted to overlie the mirror or the like, a plurality of bendable ears projecting from the fourth side of the plate and lying in the plane of the plate, said bendable ears being positioned inwardly of the corners thereof, and a removable channel comprising back, side, and front members, said front member being co-planar with the fronts of the adjacent receiving channels, said



side of the removable channel having slits therein adjacent to the back of the channel and in registry with the ears of the plate through which slits said bendable ears pass, and said ears being adapted to be bent at right angles to the plate into engagement with the said side of the removable channel after said channel is in position for securing same in said position.

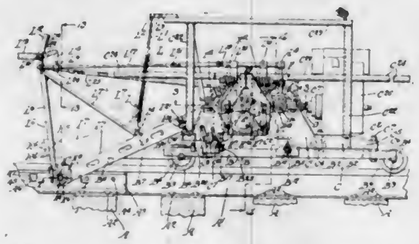
20,232

TRACK WRENCH

Henry H. Talboys, Milwaukee, Wis., assignor, by mesne assignments, to Woolery Machine Company, Minneapolis, Minn., a corporation of Minnesota

Original No. 1,978,513, dated October 30, 1934, Serial No. 661,764, March 20, 1933. Application for reissue March 30, 1936, Serial No. 71,812

22 Claims. (Cl. 81—54)



17. A machine for tightening and removing nuts of horizontally axised joint bolts extending transversely through one of a pair of track rails, comprising a frame mounted for travel movement on the track from one rail joint to another, an engine mounted on the frame, an arm supported at its rear by the frame and extending with its other end forwardly therebeyond, a pair of outwardly directed nut engageable wrench elements at the forward end of the arm and rotatable about a generally transverse axis with respect to the rail, and power connections from the engine to the wrench elements, the outer end of said arm being oscillatable transversely and vertically, about generally vertical and transverse axes, respectively, at the supported end of the arm, to effect movement of the wrench elements transversely over the top of the rail and down into selective engagement with bolt nuts on opposite sides thereof.

20,233

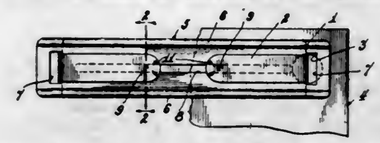
FASTENER

Daniel A. Brennan, Chicago, Ill.

Original No. 2,043,462, dated June 9, 1936, Serial No. 432,800, March 3, 1930. Application for reissue October 26, 1936, Serial No. 107,730

51 Claims. (Cl. 24—153)

1. A fastener having, in combination, a compressor, a base provided with spaced prongs, one of said prongs being adapted to extend through an opening in said compressor and then be held bent over substantially parallel to the plane of



said compressor, a projection on the other prong, and means in the compressor adapted to engage said projection to hold said prong in bent over position against said compressor.

PLANT PATENTS

GRANTED JANUARY 5, 1937

211

HYBRID POPLAR

Ralph H. McKee, New York, N. Y.

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 26, 1935, Serial No. 28,535

1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized particularly by its superior size and form, its very few branches, its dark green infantile leaves, its average fiber length of 0.68 mm. in one year old trees, its resistance to disease, and its 38 chromosomes.

212

HYBRID POPLAR

Ralph H. McKee, New York, N. Y.

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 26, 1935, Serial No. 28,536

1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described which is characterized particularly by its superior size and form, its rapid growth in height and diameter, its large proportion of the wood in the bole, its average fiber length of 0.66 mm. in one year old trees, and its resistance to disease.

213

HYBRID POPLAR

Ralph H. McKee, New York, N. Y.

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 28, 1935, Serial No. 28,955

1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized particularly by its superior size and form, its dark yellow-green infantile leaves, its average fiber length of about 0.70 mm. in one year old trees, and its resistance to disease.

214

HYBRID POPLAR

Ralph H. McKee, New York, N. Y.

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 28, 1935, Serial No. 28,957

1 Claim. (Cl. 47—59)

A new and distinct poplar as described characterized by its superior size and form, its fiber length being greater than that of either of its parents in trees of the same age, its resistance to disease, its 38 chromosomes, and its very dark green infantile leaves.

215

HYBRID POPLAR

Ralph H. McKee, New York, N. Y.

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 28, 1935, Serial No. 28,958

1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized particularly by its rapid growth in height and diameter, its resistance to disease, its 38 chromosomes, its long fiber, and its superior size and form.

216

HYBRID POPLAR

Ralph H. McKee, New York, N. Y.

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 28, 1935, Serial No. 28,959

1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized particularly by its superior size and form, its fiber length being greater than that of either of its parents at the same age, its rapid growth in height and diameter, its resistance to disease, and its dark green infantile leaves.

217

HYBRID POPLAR

Ralph H. McKee, New York, N. Y.

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 28, 1935, Serial No. 28,960

1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized particularly by its rapid growth, its hardiness, its upright form with little branching, and its resistance to disease.

218

HYBRID POPLAR

Ralph H. McKee, New York, N. Y.

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 29, 1935, Serial No. 29,143

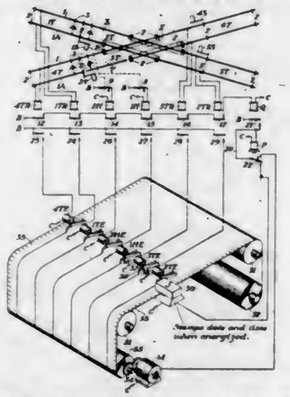
1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized particularly by its exceptionally small leaves, its rapid growth, its dense wood, its average fiber length of about 0.82 mm. in one year old trees, and its resistance to disease.

PATENTS

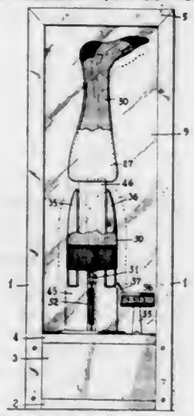
GRANTED JANUARY 5, 1937

2,066,309
RECORDING MECHANISM
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 25, 1935, Serial No. 42,020
7 Claims. (Cl. 246—107)



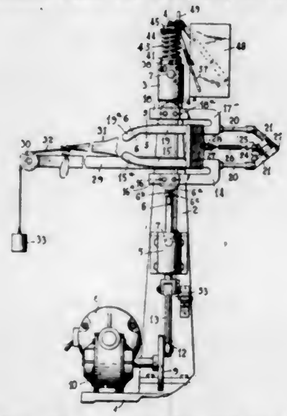
1. In combination, a section of railway track provided with a track relay, a record tape, means controlled by said track relay for recording the condition of such relay on said tape, mechanism effective when energized to move said tape at a predetermined speed, a device effective when energized to record the date and time on said tape, a slow pickup relay normally occupying a released condition, means for energizing said slow pickup relay when said track relay is released, means for energizing said device when both said slow pickup relay and said track relay are released, and means for energizing said mechanism as long as said slow pickup relay is picked up provided said track relay is released.

2,066,310
DISPLAY APPARATUS
William D. Appel and Herbert F. Schiefer, Washington, D. C.
Application June 2, 1934, Serial No. 728,776
Renewed October 21, 1936
21 Claims. (Cl. 35—56)



1. Apparatus for displaying hosiery comprising members adapted to extend within and to support the article being displayed, means for periodically elongating said article, and means for alternately stretching circumferentially of a portion of said article.

2,066,311
MACHINE FOR TESTING FABRICS
William D. Appel and Herbert F. Schiefer, Washington, D. C., assignors to the Government of the United States, represented by the Secretary of Commerce
Application June 5, 1934, Serial No. 729,159
11 Claims. (Cl. 265—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



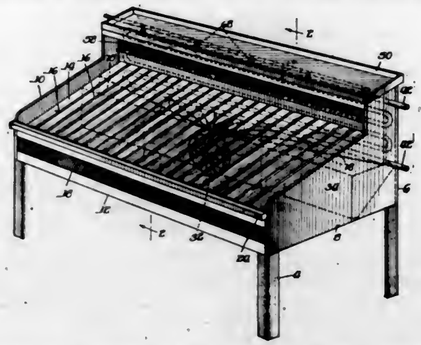
3. A machine for testing articles made in tubular form, comprising means normally maintaining the article under tension in the direction of its length, and means for stretching said article repeatedly to a predetermined degree circumferentially.

9. In a machine for testing stockings and like articles, two opposed arms adapted to support the article for a substantial part of its length, means for yieldingly supporting one of said arms, the other being reciprocable, means for repeatedly and positively reciprocating said other arm relative to the yieldingly supported arm, record-receiving means connected with the means for reciprocating said other arm and moved by said reciprocable arm, a stylus-carrying arm pivotally mounted on a fixed part of the machine and controlled by the movement of the yieldingly supported arm and cooperating with the record-receiving means to simultaneously record the magnitude of the stretch and the force required therefor.

2,066,312
AIR CONDITIONED DISPLAY TABLE
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application September 15, 1933, Serial No. 689,537
5 Claims. (Cl. 62—89.5)

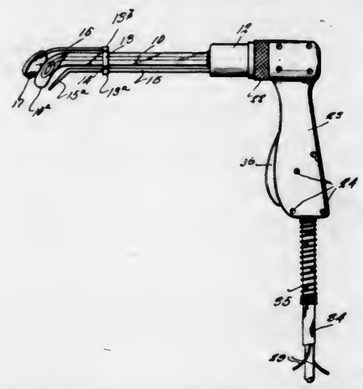
1. A work or display stand having means forming an open-top display surface for supporting perishable commodities thereon, the front edge of said supporting surface having a depending

wall provided with an opening co-extensive with the length of the front wall, and means for projecting a blanket of cooled air across the entire



supporting surface of said display stand, said air passing over the front edge of said display stand and into and through said longitudinally extending opening.

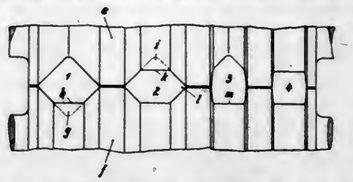
2,066,313
DENTAL INSTRUMENT
Roy E. Barr, Childress, Tex.
Application July 5, 1934, Serial No. 733,909
3 Claims. (Cl. 32—69)



1. A dental device embodying an electric light bulb, and a dental mirror mounted on the bulb, a handle, a plug provided with a socket for threaded reception of the stem of the light bulb, a handle, means swivelly connecting the handle and plug together, inter-engaging contact means on the plug and handle at the joint therebetween for maintaining a circuit to the bulb, and a syringe nozzle mounted on the plug.

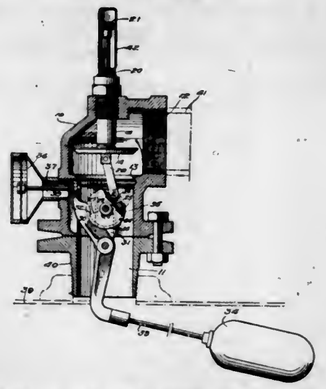
2,066,314
PROCESS OF IMPROVING THE STRUCTURE OF STEEL PRODUCTS
Franz Bartscherer, Duisburg-Hamborn, Germany
Application January 24, 1936, Serial No. 60,732
In Germany February 21, 1935
4 Claims. (Cl. 80—60)

1. The process of treating approximately quadrangular ingots which comprises applying sufficient pressure in planes of the edges and the corresponding axis to so deform the ingot that the edges become the midlines of new faces and each original face forms a part of two adjacent faces substantially at right angles to each other where-



by the crystallites over the entire outer surface are shifted into a position which is substantially parallel to the surface.

2,066,315
TANK SAFETY VALVE
Henry C. Bauer and George R. Parker, Philadelphia, Pa., assignors to William D. Battersby, Fort Washington, Pa.
Application June 28, 1934, Serial No. 732,943
1 Claim. (Cl. 137—68)

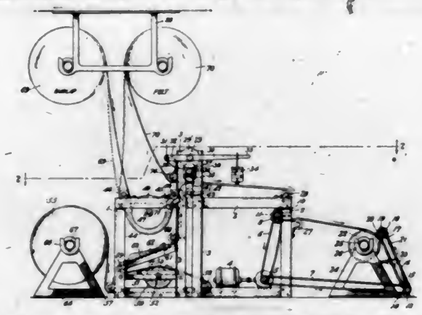


In a valve of the type described, a casing having an inlet and an outlet, a valve seat facing the inlet, a valve coacting therewith and normally engaged with the seat, a rotatable member below said seat and having a shoulder, a latch lever pivoted in the casing and having a lug engaging said shoulder to prevent rotation of the member in one direction, a link connecting the valve and member and having engagement with the member tending to rotate the member in said direction when the valve moves toward its seat and in the opposite direction as the valve moves from its seat, and a float on one end of said lever to shift the lever and disengage said lug.

2,066,316
MACHINE FOR APPLYING AN INTERMEDIATE STRIP AND BASE TO PILE FABRICS
Harold H. Baynton and James William Foster, Freehold, N. J., assignors to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application July 2, 1935, Serial No. 29,546
8 Claims. (Cl. 154—1)

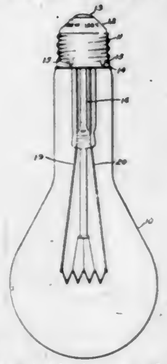
1. A machine for applying a fabric strip and felt backing to a pile fabric including means for gumming the marginal strips of the pile fabric and turning the said strips back on the pile fabric, means for impregnating a fabric strip with a cement in liquid form, means for feeding a felt base to the pile fabric and said strip and pressing

the several layers together, means for pulling the said completed strip through the machine,



and means for winding the completed strip on a roll.

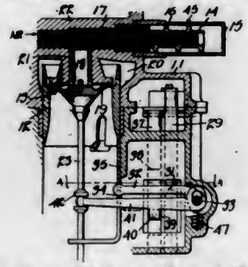
2,066,317
BASE FOR ELECTRIC LAMPS OR SIMILAR DEVICES
Harold D. Blake, Cleveland Heights, and Walter J. Geiger, Cleveland, Ohio, assignors to General Electric Company, a corporation of New York
Application May 20, 1932, Serial No. 612,540
5 Claims. (Cl. 176—32)



3. In an electrical device, the combination of a glass bulb having mounted therein an electrical energy translation element and leading-in conductors extending therefrom of a base comprising a metal shell, an insulating cap supported by said shell and a metal end contact supported by said cap, said shell being directly mounted on said bulb at one end and having a plurality of tongues extending from the opposite end, said tongues extending through apertures in said insulating cap and being bent back upon said cap, one of said leading-in conductors being clamped between said shell and insulating cap and the end of another being clamped between said metal end contact and said insulating cap.

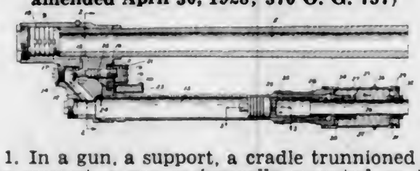
2,066,318
CARBURETOR
Arthur R. Baker, Indianapolis, Ind., assignor, by mesne assignments, to Columbia Carburetor Company, a corporation of Delaware
Application September 9, 1932, Serial No. 632,440
Renewed August 22, 1935
9 Claims. (Cl. 261—12)

1. In a carburetor having means for mixing the liquid fuel and air to form a mixture which is too rich to fire, a valve for controlling admission of air to said mixture, said valve comprising two movable elements, one movable relative to the other, and means for moving both of said



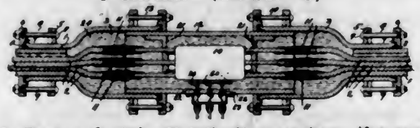
elements at the initial opening of the valve but for stopping movement of one of said elements after the valve has moved to an open position, substantially as set forth.

2,066,319
GUN
Gladeon M. Barnes, Hastings, Mich.
Application January 5, 1934, Serial No. 705,387
11 Claims. (Cl. 89—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



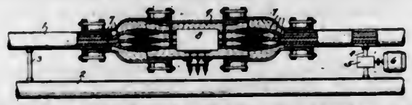
1. In a gun, a support, a cradle trunnioned on the support, a gun reciprocally mounted on the cradle, a recoil mechanism utilizing the compressive action and reaction of the gases of discharge to check recoil and restore the gun to battery and including a recoil cylinder movable with the gun and a hollow piston fixed to the cradle and in communication with the recoil cylinder, a cylinder on the rear end of the piston and radially spaced therefrom, a partition dividing the space to provide a plurality of chambers, a fluid passage between the piston and each chamber, a valve normally closing each passage and having a piston, ports for conducting gases to the front and rear of the piston of each valve, corresponding ports being longitudinally spaced, a control valve for successively covering and uncovering said ports, and means operable on elevation of the cradle for positioning the control valve.

2,066,320
ELECTRIC CABLE SYSTEM
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application October 22, 1935, Serial No. 46,064
5 Claims. (Cl. 247—3)



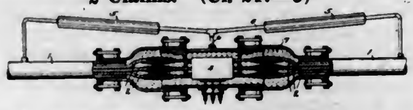
1. In an electric distribution system, the combination of a feeder line comprising a pipe line, insulated conductors and a transformer in the pipe, one winding of said transformer being connected to the said conductors, transformer taps extending through the pipe line for the attachment of external branch circuits to another winding of said transformer, said taps being sealed into the wall of the pipe line, said pipe line being filled with a body of oil under superatmospheric pressure which surrounds the said conductors and the said transformer and in which the conductors and transformer are at all times immersed.

2,066,321
ELECTRIC CABLE SYSTEM
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application December 7, 1935, Serial No. 53,343
6 Claims. (Cl. 247—3)



1. A buried electric distribution system comprising in combination a pipe line, insulated conductors within the pipe line, a transformer within said pipe line and electrically connected to said conductors, a body of fluid under superatmospheric static pressure in said pipe line surrounding said conductors and transformer and in which said conductors and transformer are immersed, a pipe line paralleling the first-mentioned pipe line, cross connections between said pipe lines, and means for effecting circulation of said fluid through said pipe lines and cross connections for cooling said transformer.

2,066,322
ELECTRIC CABLE SYSTEM
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application December 7, 1935, Serial No. 53,344
2 Claims. (Cl. 247—3)



1. A buried electric distribution system comprising in combination a pipe line, insulated cable conductors and a transformer electrically connected thereto mounted within said pipe line, a body of insulating fluid in the pipe line under superatmospheric static pressure surrounding the cable conductors and transformer and in which the cable conductors and transformer are immersed, a radiating pipe adjacent said pipe line having its ends communicating with the interior of the pipe line at each side of the transformer, and a cross connection between said pipe and pipe line intermediate the ends of the pipe and adjacent the transformer.

2,066,323
ELECTRIC CABLE SYSTEM
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application December 7, 1935, Serial No. 53,345
16 Claims. (Cl. 247—3)

1. A buried electric distribution system comprising in combination a pipe line, insulated conductors in the pipe line, a transformer within said pipe line and electrically connected to said conductors, said pipe line being filled with a fluid in which said insulated conductors and



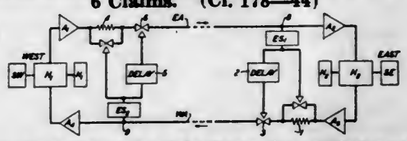
transformer are immersed, the said pipe line being of heat conducting material and buried in earth which has been treated to increase its heat absorbing characteristics whereby the radiating characteristics of the system are improved.

2,066,324
GARMENT
Oscar A. Berman, Brooklyn, N. Y.
Refiled for abandoned application Serial No. 675,367, June 12, 1933. This application August 28, 1936, Serial No. 98,433
3 Claims. (Cl. 2—74)



1. In a garment of the wrap-a-round type, the combination of a bodice and a skirt with a belt of non-elastic material sewn in between the bodice and the skirt, the belt being extended at one of its outer edges by the addition of a piece of elastic material, means for releasably securing the elastic material to one side of the garment and means for releasably securing the other end of the belt to the opposite side of the garment, thereby releasably retaining the lapped-over portions of the garment in corresponding positions.

2,066,325
TRANSMISSION CONTROL IN TWO-WAY SIGNALING SYSTEM
Bjorn G. Bjornson, New York, N. Y., and Newton W. Bryant, Lyndhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1935, Serial No. 46,074
6 Claims. (Cl. 178—44)



1. In a two-way telephone transmission system comprising at least near the terminals thereof two associated one-way transmission paths for transmitting the telephonic signals in opposite direction, switching means connected to one one-way path near one terminal and responsive to speech signal transmission in said one path to insert a loss of small value in the other one-way path sufficient to attenuate the echoes of the

speech signals a relatively small amount during an initial time interval of a length corresponding to the time during which a talker's ear is relatively desensitized by the speech signals and to insert a loss of higher value sufficient to substantially suppress echoes of the speech signals in said other path at the end of such interval.

2,066,326

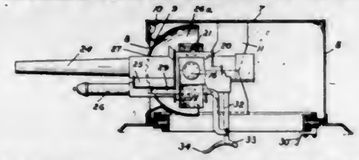
TURRET GUN MOUNT

Sereno E. Brett, Portland, Oreg., and George H. Rarey, Fort Benning, Ga., both United States Army

Application June 28, 1934, Serial No. 732,814

1 Claim. (Cl. 89—37)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a gun mount, a turret comprising a base ring, a wall with an opening, and a cover, a pair of brackets positioned on opposite sides of the turret and each secured to the base ring and cover, each bracket having an arm extending towards the opening in the turret, a gun cradle support trunnioned in the arms of the brackets, a gun cradle trunnioned in the cradle support.

2,066,327

BATH FOR ANODIC TREATMENT OF ALUMINUM

Robert W. Buzzard, Kensington, Md.

No Drawing. Application May 28, 1934, Serial No. 727,839

6 Claims. (Cl. 204—1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A bath for the anodic treatment of aluminum or its alloys, comprising substantially 5% chromic acid by weight and 5% to 11% chromium acetate.

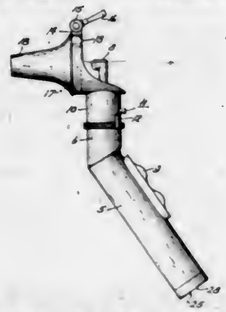
2,066,328

HANDLE FOR INSTRUMENTS

William J. Cameron, Chicago, Ill.

Application January 22, 1935, Serial No. 2,963

6 Claims. (Cl. 128—9)



6. An illuminating handle for instruments comprising a hollow body portion and a hollow extension portion at one end thereof, the longitudinal axis of said extension intersecting the longitudinal axis of said body portion, a socket and lamp reciprocably mounted in said extension portion, a pair of terminals at the other end of said body, means forming electrical connection between said socket and one of said terminals, a conductor connected to and extending from said socket, a second conductor extending from the first conductor into sliding contact with the other terminal in circuit-forming position, a pivotal connection between the proximate ends of said conductors permitting movement of the last said conductors past the angle formed by the body and its extension end, and means for moving the second conductor out of engagement with its terminal whereby the circuit is broken and said socket is retracted in the extension end portion of said body.

2,066,329

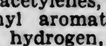
CHEMICAL PRODUCTS AND PROCESSES FOR PRODUCING SAME

Wallace H. Carothers, Arnold M. Collins, and James E. Kirby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 6, 1935, Serial No. 5,246

25 Claims. (Cl. 260—2)

1. A polymer of chloro-2-butadiene-1,3 obtainable by polymerizing chloro-2-butadiene-1,3 in the presence of a second compound containing the nucleus



in an open chain.

2,066,330

CHEMICAL PRODUCTS AND PROCESSES FOR PRODUCING SAME

Wallace H. Carothers and Arnold M. Collins, Wilmington, and James E. Kirby, Arden, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1936, Serial No. 60,882

26 Claims. (Cl. 260—2)

8. The process which comprises partially polymerizing chloro-2-butadiene-1,3 in the presence of a vinyl compound of the group consisting of vinyl ethers, vinyl esters, vinyl carbinol (allyl alcohol) esters of vinyl carbinol, vinyl acetylenes, vinyl aromatic hydrocarbons and vinyl aromatic compounds consisting of carbon, hydrogen, halogen and alkoxy groups, the halogen and alkoxy groups being present as substituents on a carbon atom of an aromatic ring, then separating a plastic mass from the unpolymerized material, and thereafter heating the plastic mass at about 125° C. until cured.

9. The process which comprises dispersing, in water, chloro-2-butadiene-1,3 and a vinyl compound of the group consisting of vinyl ethers, vinyl esters, vinyl carbinol (allyl alcohol) esters of vinyl carbinol, vinyl acetylenes, vinyl aromatic hydrocarbons and vinyl aromatic compounds consisting of carbon, hydrogen, halogen and alkoxy groups, the halogen and alkoxy groups being present as substituents on a carbon atom of an aromatic ring, and thereafter polymerizing the chloro-2-butadiene-1,3 in the dispersed state.

2,066,331

CHEMICAL PRODUCTS AND PROCESSES FOR PRODUCING SAME

Wallace H. Carothers and Arnold M. Collins, Wilmington, and James E. Kirby, Arden, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1936, Serial No. 60,883

26 Claims. (Cl. 260—2)

8. The process which comprises partially polymerizing chloro-2-butadiene-1,3 in the presence

of a polymerizable alpha, beta-unsaturated compound of the group consisting of alpha, beta-unsaturated aldehydes, ketones, acids, their esters, anhydrides, and nitriles, then separating a plastic mass from the unpolymerized material, and thereafter heating the plastic mass at about 125° C. until cured.

11. The process which comprises dispersing, in water, chloro-2-butadiene-1,3 and a polymerizable alpha, beta-unsaturated compound of the group consisting of alpha, beta-unsaturated aldehydes, ketones, acids, their esters, anhydrides, and nitriles, then polymerizing the chloro-2-butadiene-1,3 in the dispersed state, and thereafter separating the polymer from the dispersing medium.

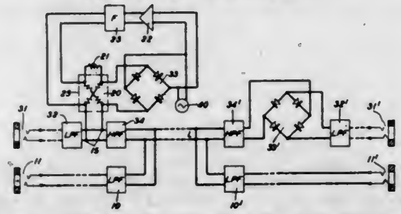
2,066,332

CARRIER WAVE TRANSMISSION SYSTEM

Robert S. Caruthers, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 14, 1934, Serial No. 757,421

12 Claims. (Cl. 179—1)



1. In a terminal circuit for a carrier current system, a voice current line terminating in a voice-frequency filter, a high frequency circuit terminating in a carrier frequency filter, a circuit having terminals connected to receive currents from both of said filters and other terminals connected to transmit carrier and sideband currents into each of said filters, said circuit including a source of carrier waves, a modulator-demodulator and an amplifier, a balanced connection for associating said sets of terminals in mutually conjugate relation to each other, with said filters, said filters presenting to said balanced connection a substantially constant impedance at all frequencies within the utilized ranges whereby the conjugacy between said sets of terminals exists for all of said frequencies.

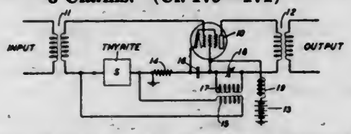
2,066,333

WAVE AMPLIFICATION AND GENERATION

Robert S. Caruthers, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 14, 1934, Serial No. 757,422

8 Claims. (Cl. 179—171)



2. In combination, an amplifying element, input and output circuits therefor, for enabling said element to amplify waves impressed on said input circuit, a feed-back circuit to enable said element to generate oscillations, and amplitude limiting means in a path traversed by said oscillations but outside the path traversed by said waves.

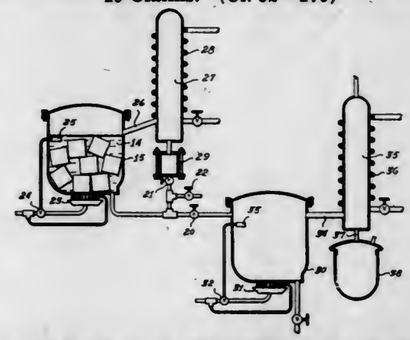
2,066,334

REFRIGERATION

Frederic L. Chase, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application August 31, 1935, Serial No. 38,800

19 Claims. (Cl. 62—170)



1. The method of manufacturing a refrigerating system in which a sealed motor-compressor unit has an electric motor in contact with the circulating agents of the system, which comprises treating the insulating windings of the motor prior to the charging of the system with a polar solvent and with a non-polar solvent to remove natural resins, waxes and oils, and thereafter charging the system with circulating agents and sealing said system.

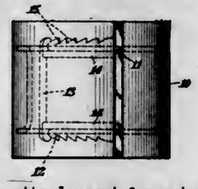
2,066,335

TOWEL RACK ATTACHMENT

Clark S. Comstock, Great Barrington, Mass.

Application June 29, 1935, Serial No. 29,017

4 Claims. (Cl. 211—123)



1. A friction attachment for a towel rack comprising a split rubber sleeve having a recess in one edge, a metal insert in said sleeve having a portion projecting beyond the other edge and being receivable in said recess, and inter-engaging means on said insert and sleeve for locking the sleeve around the rod.

2,066,336

AIRCRAFT

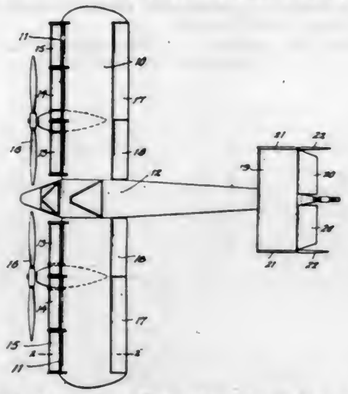
Rupert John Goodman Crouch and Harold Bolas, Pawtucket, R. I.

Application October 5, 1933, Serial No. 692,241

3 Claims. (Cl. 244—14)

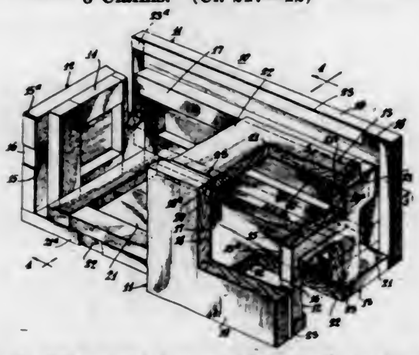
1. In an aircraft, a main supporting surface, auxiliary pilot aerofoil means, and propeller means adapted to produce a slip stream substantially immersing a portion of said main supporting surface, said auxiliary aerofoil means comprising a plurality of sections disposed longitudinally of the span of said main supporting surface certain of said sections being fully immersed in said slip stream and arranged for independent movement at each side of the propeller axis whereby they move independently and

respectively in the upward and downward swirl produced in the slip stream by the rotation of said propeller, others of said sections being sub-



stantially free of said stream, and stop means adapted to limit said sections to a position of maximum effect.

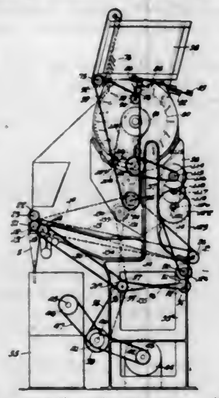
2,066,337
WATERPROOF BOX
Thomas L. Cunningham, New York, N. Y.
Application April 18, 1935, Serial No. 16,991
8 Claims. (Cl. 217—12)



1. A waterproof box consisting of an inner marginal frame, a plurality of outside wooden members joined to said frame, a sheet of waterproof paper board interposed between said marginal frame and each of said outside members, some of said waterproof sheets having substantially straight edges and others having folded edges adapted to cover the straight edges of said other sheets and thereby form a water-tight gasket between each joined pair of said outside members.

2,066,338
TOBACCO FEEDER FOR CIGARETTE MACHINES
John T. Dalton, Durham, N. C., assignor to Wright-Dalton Machinery Company, Incorporated, Durham, N. C., a corporation of North Carolina
Application June 24, 1935, Serial No. 28,183
15 Claims. (Cl. 131—39)

1. A tobacco feeder comprising a hopper to contain a supply of tobacco, a feeding drum rotatably mounted adjacent to the hopper and having pins on its periphery to remove tobacco from the hopper and form it in a relatively thick blanket on the drum, a rotatable roller having a circumferentially grooved axially corrugated periphery located in close proximity to the periphery of the



drum and operative to remove the blanket of tobacco therefrom, and means arranged to receive the blanket of tobacco from said roller and operative to draw the tobacco into a sheet of relatively reduced thickness.

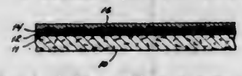
2,066,339
ARTIFICIAL MATERIALS
Camille Dreyfus, New York, N. Y.
No Drawing. Original application April 17, 1930, Serial No. 445,201. Divided and this application June 17, 1932, Serial No. 617,874
9 Claims. (Cl. 18—54)

7. The process of manufacturing yarns or filaments of subdued lustre, which comprises forming artificial yarns or filaments having a basis of an organic derivative of cellulose and containing, in suspension, fine particles of a starch, and subjecting the products to a scouring operation to reduce the lustre thereof.

2,066,340
YARNS AND FILAMENTS AND METHOD OF MAKING THE SAME
Camille Dreyfus, New York, N. Y.
No Drawing. Application May 2, 1934, Serial No. 723,506
17 Claims. (Cl. 18—54)

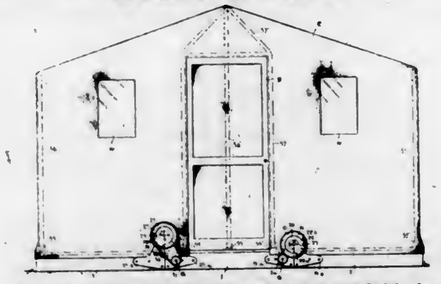
1. In a method of preparing yarns and filaments, the step which comprises extruding a mixture of a solution of an organic derivative of cellulose in a volatile solvent and a finely-divided chlorinated starch material through orifices into a drying evaporative atmosphere.

2,066,341
METHOD OF DECORATING COMPOSITION MATERIALS
Karl Eichstädt, Berlin-Charlottenburg, Germany, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
Application April 1, 1935, Serial No. 14,081
In Germany April 28, 1934
1 Claim. (Cl. 91—67.9)



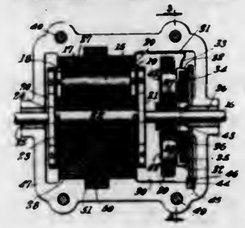
The method of decorating a composition board having a fibrous material retained in a mass formation by an asphaltic binding material, comprising neutralizing the exudations of such binding material by coating the surface of such material with a solution comprising substantially equal parts of casein, shellac and soda mixed in substantially nine and three-fourths parts of water, drying such coating, applying a design in color to the coated surface, and subsequently applying a wearing coat of lacquer to the decorated surface.

2,066,342
CAMPING EQUIPMENT
Ralph W. Gorton, Newport, Vt.
Application November 17, 1934, Serial No. 753,490
20 Claims. (Cl. 135—1)



1. A camping house comprising a foldable base, a collapsible and expansible superstructure, and operating mechanism adapted both to fold and unfold said base and to expand and collapse said superstructure.

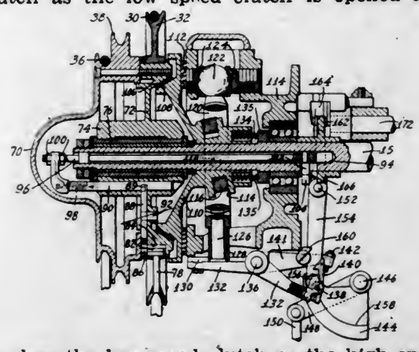
2,066,343
ELECTROMAGNETIC MACHINE
George A. Gillen, Bronx, N. Y.
Application September 22, 1934, Serial No. 745,029
3 Claims. (Cl. 172—36)



1. An electromagnetic machine, comprising a molded insulating base having field coils embedded therein with poles at opposite sides of the molded base in substantially parallel planes, a shaft extending through said base and having projecting armature elements at the opposite faces of the base in magnetically coupled relation with said poles, a sectional molded case separably attached about said molded base, a commutator mounted in the case and having segments connected with said embedded field coils in the base and a brush on the shaft in cooperative relation with said segments.

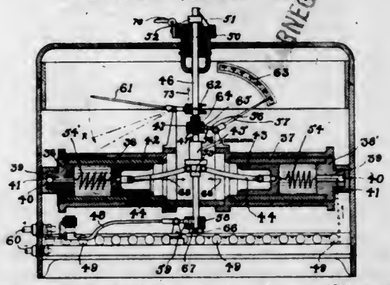
2,066,344
DRIVING AND STOPPING MECHANISM
Joseph Gouldbourn, Thomas Aubrey Kestell, and Frank Bycroft Keall, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application September 7, 1933, Serial No. 688,480. Divided and this application February 18, 1935, Serial No. 7,016. In Great Britain October 11, 1932
20 Claims. (Cl. 192—144)

1. A driving and stopping mechanism having, in combination, a driven shaft, a main driving clutch, high and low speed driving mechanism for driving the main clutch comprising high and low speed friction clutches, a treadle, treadle controlled connections acting to close the high speed clutch as the low speed clutch is opened and



to close the low speed clutch as the high speed clutch is opened, and means controlled both by said treadle and by the application of a driving force through the low speed driving mechanism for opening the main clutch.

2,066,345
AUTOMATIC TEMPERATURE REGULATOR
Jules Ernest Michel Grèby, Issy-Les-Moulineaux, France
Application July 17, 1931, Serial No. 551,517
In France June 1, 1924
8 Claims. (Cl. 200—122)

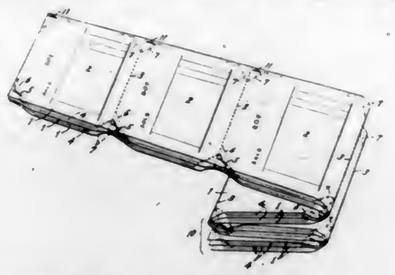


1. In a thermostatic device for making and breaking an electric circuit, a pair of opposed cylinders, a liquid contained in the cylinders and adapted to expand under the action of varying temperature, an electric heating resistance immersed in the liquid in each of the cylinders, pistons adapted to reciprocate in the cylinders as the liquid varies in volume, a shaft, a slide member about the shaft, connecting members pivoted to the slide member and to the said pistons whereby the slide member is moved with the pistons, and adjustable means connected to the said shaft and adapted to cooperate with the slide member to open the electric circuit.

2,066,346
MANIFOLD RECORD SUPPLY PACKET
Walter Greig, Niagara Falls, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application December 17, 1926, Serial No. 155,378
56 Claims. (Cl. 282—12)

24. Continuous record and transfer strips superimposed in manifolding relation, said strips being divided at regular intervals by transverse

weakening lines to form a succession of units each including record sheets and an interleaved transfer sheet, the transfer sheet of each unit having



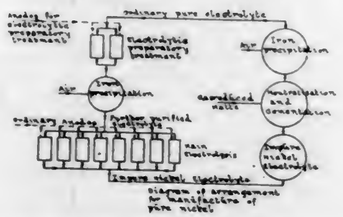
an aperture in part bounded by a line of weakening, and fastening means for coupling the record sheets of each unit together, said means passing through the respective apertures.

2,066,347

PRODUCTION OF NICKEL BY ELECTROLYTIC DEPOSITION FROM NICKEL SALT SOLUTIONS

Anton Martin Grönningsaeter, New York, N. Y., assignor to Falconbridge Nickel Mines Limited, Toronto, Ontario, Canada

Application August 15, 1933, Serial No. 685,226
In Norway September 3, 1932
10 Claims. (Cl. 204—57)



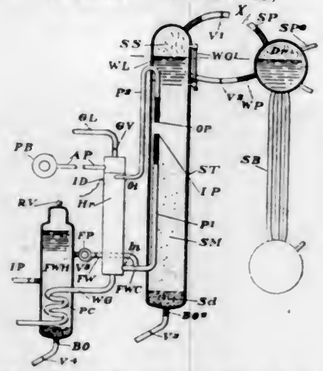
1. The improvement in the production of nickel by electrodeposition which comprises first subjecting an impure nickel electrolyte contaminated with an objectionable amount of copper, iron, arsenic, lead and the like to copper cementation on gas-reduced nickel and to iron precipitation by oxidation to remove the bulk of the copper and iron and to render the electrolyte substantially neutral, then subjecting the electrolyte still slightly contaminated with a small quantity of at least one of said impurities to at least one preliminary electrolysis step conducted in the presence of a soluble nickel anode that is substantially free from foreign metals to prevent a substantial increase in the acidity of the electrolyte during which relative movement is rapidly effected between the electrolyte and the cathode and the impurities are promptly and frequently brought into contact with the cathode to deposit a relatively small portion of the nickel and a relatively large amount of said impurities on the cathode, whereby an impure nickel product of low grade is obtained, and then subjecting the nickel electrolyte thus purified to a separate and main electrolysis operation of the conventional type to effect the deposition of a relatively large amount of the nickel substantially free of said impurities, whereby a nickel product of high purity is obtained.

2,066,348

WATER TREATER AND HEATER

Joseph W. Hays, Tulsa, Okla.

Application April 21, 1933, Serial No. 667,254
3 Claims. (Cl. 210—15)



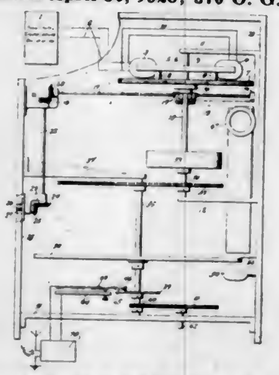
1. A water purifier comprising a fired heater element and an unfired settling and storage tank, said heater comprising a vertically disposed water chamber having a cylindrical furnace extending entirely therethrough, a pipe connection leading from near the bottom of said water chamber and communicating with said unfired tank, a pipe leading from near the top of said water chamber and connecting with said unfired tank, a connection for raw water in said first mentioned pipe and comprising a nozzle set into said pipe and directed toward said heater, means for introducing and burning fuel in the upper part of said chamber and for forcing the products of combustion downward through said furnace.

2,066,349

APPARATUS FOR BROADCASTING TIME SIGNALS

Julius F. Hellweg, United States Navy, and Paul Sollenberger, Washington, D. C.

Application April 5, 1935, Serial No. 14,896
2 Claims. (Cl. 58—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



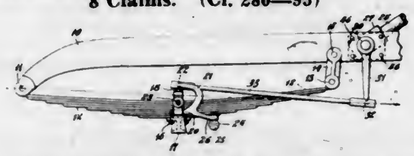
1. In combination a standard clock, a secondary clock, having a continuously revolving element, inertia means including a body of fluid associated with said revolving element to secure uniformity of revolution of said element, means for periodically opening and closing an electric circuit under control of said secondary clock for transmitting time signals, a glow lamp adjacent said continuously revolving element, means controlled by said standard clock for periodically flashing said glow lamp and illuminating said continuously revolving element once each revolution to make said element appear to stand still, and means for advancing or retarding the opening and closing of the electric circuit controlled by the secondary clock and for shifting the phase of said revolving element whereby the secondary clock may be brought into phase with the standard clock so that the revolving element of the secondary clock is illuminated when it is at a predetermined position.

2,066,350

CONTROL LINKAGE FOR VEHICLES

Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y., a corporation of New York

Application May 7, 1932, Serial No. 609,961
8 Claims. (Cl. 280—95)



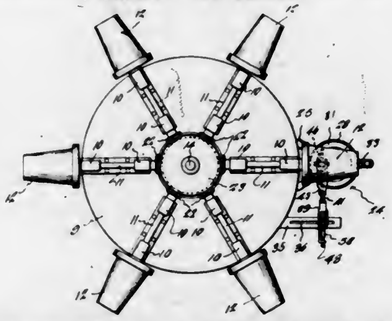
1. A control linkage associated with the frame and axle of a vehicle and comprising: a spring connected to said axle and pivoted at its front end to said frame; an actuating arm arranged rearwardly of said spring and movably arranged on said frame and having an actuating pivot; a control member movably arranged on said axle and having a control pivot; and a drag link pivoted at opposite ends to said actuating pivot and said control pivot, the normal position of said control pivot being above a line joining the spring pivot with the actuating pivot.

2,066,351

STRIPING OR BANDING MACHINE

Alfred Johnson, Uniontown, Pa., and Robert H. Johnson, Morgantown, W. Va.

Application January 23, 1934, Serial No. 707,958
7 Claims. (Cl. 91—12)



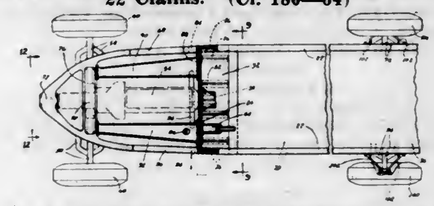
1. A receptacle ornamenting machine of the class described comprising a supporting structure, a table rotatably mounted on the supporting structure, mandrels rotatably mounted on the table for spinning the receptacles, a shaft rotatably mounted on the supporting structure, drive means for the shaft, means operatively connecting the mandrels to the shaft for actuation thereby, means including a Geneva gear connecting the table to the shaft for intermittent actuation thereby, a spring actuated bolt mounted on the supporting structure and operatively engageable with the table for releasably locking said table against idle rotation, means operatively connecting the bolt to the Geneva gear for actuating said bolt to retracted position when power is applied to the table, and a rotary ornamenting member operatively engageable with the receptacles.

2,066,352

VEHICLE

Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York

Application January 5, 1934, Serial No. 705,315
22 Claims. (Cl. 180—64)



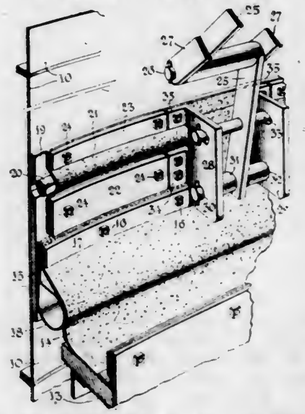
1. A vehicle having a chassis structure and a power plant pivotally mounted thereon, said structure including a transverse element carrying a bearing for the rear end of the engine, side arms projecting forwardly on opposite sides of the engine and carrying a bearing for the front end of the engine alined with said rear bearing, and devices disposed on opposite sides of the engine and mounted at their rear ends on the transverse element in a plane displaced vertically from the plane of said side arms and at their front ends supporting said arms between their ends.

2,066,353

WATERLESS GASHOLDER

Paul M. Kuehn, Baltimore, Md., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware

Application September 9, 1932, Serial No. 632,446
Renewed March 25, 1936
4 Claims. (Cl. 48—174)



1. In a waterless gas holder, the combination of a shell; a piston-like closure mounted therein; a pair of rubbing bars standing in vertical spaced relation designed to coact with the shell; means

for forcing said bars into contact with the shell; a sealing element located between the adjacent edges of said rubbing bars and likewise bearing against the inner surface of the shell; and flexible means lying to the rear of said sealing element and closing off said element from the gutter and acting as a transmitting element to exert the static pressure of the sealing medium within the gutter upon said sealing element to force the same outwardly into contact with the shell.

2,066,354

LUBRICATING OIL

Bert H. Lincoln, Ponca City, Okla., and Alfred Henriksen, deceased, late of Ponca City, Okla., by Ellen M. Henriksen, administratrix, Perry, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application April 12, 1935, Serial No. 15,984
4 Claims. (Cl. 87—9)

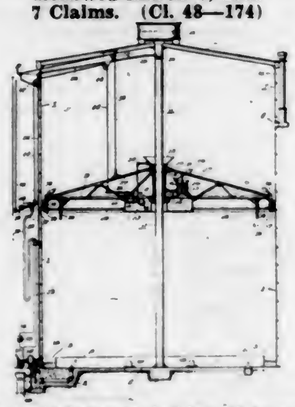
1. A lubricating oil comprising in combination a major proportion of hydrocarbon oil and a minor proportion of chlorinated diphenyl benzol.

2,066,355

WATERLESS GASHOLDER

John A. Mason, Baltimore, Md., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware

Application October 9, 1931, Serial No. 567,946
Renewed March 7, 1936
7 Claims. (Cl. 48—174)



7. In a waterless gas holder, the combination of a shell; a piston-like closure therefor, said closure having a tank located centrally thereof; means for feeding a sealing liquid to said tank; a fixed column extending upwardly through the closure; and means located within the tank and bearing against the column for effecting, in conjunction with the sealing liquid, a gas-tight seal about said column.

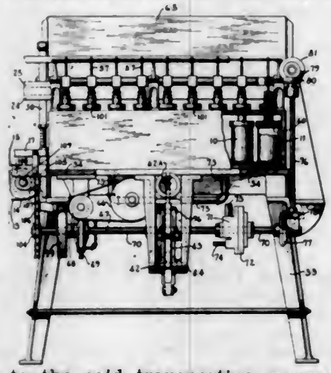
2,066,356

MEANS FOR VACUUMIZING, GASIFYING, AND SIRUPING CONTAINERS

John T. McCrosson, Port-au-Prince, Haiti

Application November 28, 1931, Serial No. 577,794
7 Claims. (Cl. 99—234)

1. An apparatus for vacuumizing containers containing perishable material, comprising means for transporting a plurality of containers to a position between two vacuumizing chambers, means for introducing the plurality of containers to one of said chambers, means for sealing the chamber, means for vacuumizing the chamber and its containers, means for removing the con-



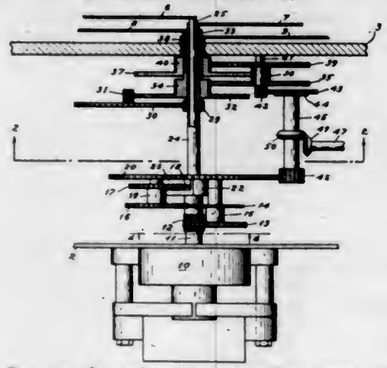
tainers to the said transporting means, to be ejected, and similar means for transporting, vacuumizing, and removing a second set of containers to and from the opposite vacuum chamber.

2,066,357

MANUAL OR AUTOMATIC MEANS FOR CORRECTING TIME-KEEPING MECHANISMS

George R. McDonald, Oakland, Calif.

Application November 12, 1934, Serial No. 752,771
8 Claims. (Cl. 58—3)



6. In combination, a synchronous motor wherein the frequency of the current is in even multiples of the solar second of time, a clock mechanism geared to keep solar time when actuated by the motor, a gear translating mechanism interposed between the motor and the clock mechanism for causing the latter to indicate nearly but not quite correctly sidereal time, and means for continuously correcting the gear translating mechanism for indicating correct sidereal time except for a very small yearly error.

2,066,358

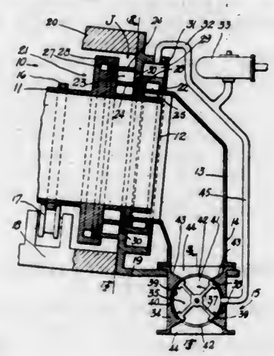
GAS PRESSURE MAINTAINING DEVICE

Alfred Musso, East Orange, N. J., assignor of one-half to William P. Deppe, New York, N. Y.

Application October 31, 1934, Serial No. 750,798
13 Claims. (Cl. 263—32)

1. A device including a reducing heating chamber adapted to maintain a gaseous pressure therein different than that of the gaseous pressure outside of said chamber, an exhaust pump connected to the chamber for evacuation

of gases generated in said chamber, said chamber having a plurality of walls at least one of which is movable relatively to the other, and a joint for interengaging said walls, said joint including elements connected to the different walls, said elements having slidable interengagement



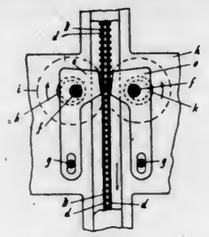
along a plurality of spaced lines extending longitudinally of the joint to provide an annular compartment between said lines, and pump means for maintaining a required gaseous pressure in said compartment relatively independent of the pressure in said chamber to control the flow of gases into the joint.

2,066,359

FIXING DEVICE FOR SLIDING CLASP FASTENERS

Karl Friedrich Nägele, Berlin-Neukolln, Germany

Application December 9, 1932, Serial No. 646,563
In Germany December 22, 1931
13 Claims. (Cl. 153—1)



1. A device for fixing sliding clasp fastener elements on the supporting cloth band, comprising two counter revolving cams movable toward and from the elements to press the same onto the band and at the same time to feed this band.

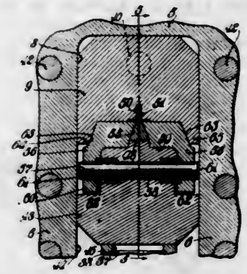
2,066,360

FORGING MACHINE

Paul H. Nast, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application April 28, 1934, Serial No. 722,925
19 Claims. (Cl. 76—5)

1. In a cutter bit forging machine, a stationary die member, a cooperating movable die member, said die members having die surfaces for forming the forward cutting surface and receding surface of the cutting portion of a cutter bit, die means carried by one of said die members having die surfaces for forming the side surfaces of a cutter bit, and means for actuating said movable die member and said die means for forming said



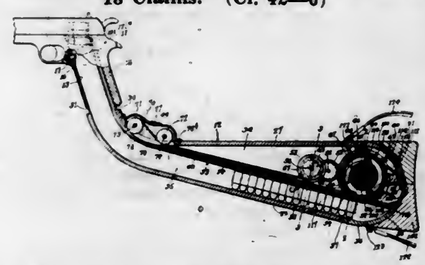
side surfaces concurrently with said forward cutting surface and said receding surface.

2,066,361

COMBINED MAGAZINE AND EXTENSION STOCK FOR AUTOMATIC PISTOLS

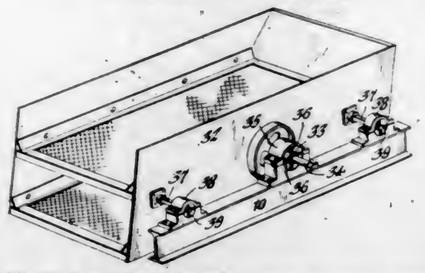
Louis Nolan Nomar, Charleston, W. Va.

Application June 5, 1935, Serial No. 25,169
18 Claims. (Cl. 42—6)



1. A combined magazine and extension stock for detachable connection to the handle of an automatic pistol having a cartridge receiving compartment in its handle, a structure formed of an upwardly curved forward part and an elongated triangular shaped rear part, said structure being provided with means and a cartridge guide element to form a magazine therein extending from the forward end of said curved part to the rear end of said triangular part and a chamber in the said triangular part over said magazine, said magazine being open at its forward end for communication with the said compartment when said structure is connected to the handle, said structure being formed at its rear end with a cartridge loading opening for said magazine and a door for normally closing said opening, a cartridge feeding device traveling in said magazine and chamber and having an extended pusher member capable of being arranged rearwardly of the cartridges in the magazine for successively and automatically shifting cartridges from the open end of the magazine into said compartment, said device interengaging in said guide element when traveling in said magazine, a pull member travelling in said chamber and said magazine and carrying said device for imparting a cartridge feeding action thereto when said pusher member is disposed rearwardly of the cartridges, and means within said chamber and connected to said pull member for operating the latter in opposite directions to provide for said feeder device travelling into and out of said magazine and into and out of said chamber, the said operating means having a part thereof extended from said structure.

2,066,362
SCREENING APPARATUS AND THE LIKE
Walter J. Parks, Buffalo, N. Y.
Application May 22, 1934, Serial No. 726,986
24 Claims. (Cl. 209—326)

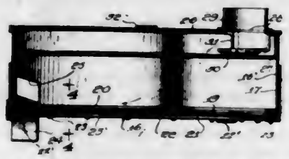


23. In a machine of the character described, a resiliently-supported gyratory screen frame, a drive shaft substantially coincident with the center of gravity of said frame, resiliently-supported gyratory bodies at opposite sides of the screen frame and through which the drive shaft extends, said shaft being substantially coincident with the center of gravity of said bodies and said screen frame and solely supported thereby, and connections between said shaft and said bodies, respectively, for gyrating them in opposite directions.

2,066,363
RESINOUS COMPOSITIONS
Gordon Derby Patterson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 17, 1934, Serial No. 721,069
9 Claims. (Cl. 134—26)

1. A coating composition comprising a resin of the class consisting of fatty oil and fatty oil acid modified polyhydric alcohol-polycarboxylic acid resin and an organic compound of mercury, in amount sufficient to prevent disfiguring mold growth on the film, said composition yielding films which possess upon exposure the durability and flexibility of films from similar compositions containing said resins but containing no mold inhibiting substance.

2,066,364
SCREENING DEVICE
Harold R. Rafton, Lawrence, Mass., assignor to Rafton Engineering Corporation, a corporation of Massachusetts
Application May 2, 1929, Serial No. 359,943
2 Claims. (Cl. 209—269)



1. In a gyratory screening device, a pan having a bottom opening and a substantially cylindrical side wall, a screening element secured against said bottom opening, said pan being provided in its side wall with a discharge opening arranged wholly above the level of said screening element, a top for said pan, an inlet spout communicating with said pan through said top at a point substantially diametrically opposite said discharge opening, and a perforated spreader plate arranged beneath said inlet spout and inclined downwardly toward the center of said pan, said plate having a concave upper face.

2,066,365
TRIDYMITE STONE
Hermann Salmang and Benno Wentz, Aachen, Germany
No Drawing. Application November 20, 1930, Serial No. 497,060. In Germany May 14, 1930
4 Claims. (Cl. 106—9)

1. A method of manufacturing tridymite stone consisting in burning for about 20 hours a silica mass of which part is finely ground mixed with sulphite of lye and the approximate proportions of 2% chalk, 1.5% natron and 1.5% iron oxide with pyrometer cone 15 to 16.

2,066,366
PROCESS FOR MAKING SILICA STONE MATERIAL
Hermann Salmang and Benno Wentz, Aachen, Germany
No Drawing. Application July 7, 1932, Serial No. 621,316. In Germany July 21, 1931
3 Claims. (Cl. 106—9)

1. The method of making silica stone material which consists in burning a mixture of raw silica material, lime and a frit containing an alkali oxide and a metallic oxide.

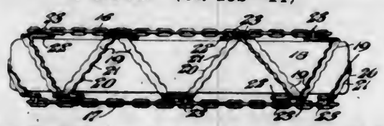
2,066,367
ALKOXYALKYL MERCURIC SALTS OF POLYBASIC ACIDS
Fritz Schönhöfer, Wuppertal-Elberfeld, and Wilhelm Bonrath, Leverkusen-I. G. Werk, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 9, 1934, Serial No. 729,930. In Germany April 6, 1929
9 Claims. (Cl. 260—13)

1. Organic mercuric salts corresponding to the formula:

$$A—(Hg—C_2H_3(R)_2—O—R_1)_n$$

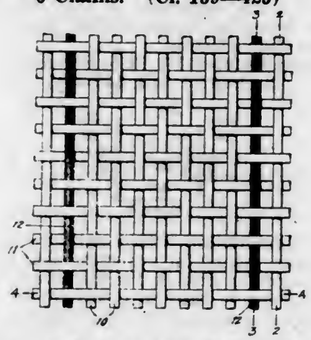
in which A denotes the radical of an oxygen-bearing polybasic acid of a non-metallic element of the fourth and fifth group of the periodic system, R denotes hydrogen or an alkyl radical, R_1 denotes an alkyl radical containing from one to three carbon atoms and n denotes an integral number which, at most, is equivalent to the number of acid groups in said polybasic acid.

2,066,368
ANTISKID DEVICE
William H. Snyder, Elkins Park, Pa.
Application April 25, 1935, Serial No. 18,081
1 Claim. (Cl. 152—14)



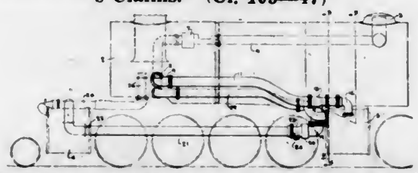
An anti-skid device comprising a bar of substantially rectangular cross section, having a tread portion and end portions for securing said device upon a tire, said tread portion having a flat road-engaging surface and having its opposite longitudinal edges notched to provide undulating road-engaging edges to said tread surface and means for securing said device at an angle to the longitudinal axis of said tire, whereby said notches engage the road successively with the rotation of said tire.

2,066,369
WOVEN WIRE BELT FOR PAPER MAKING MACHINES
Harry G. Specht, Montclair, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey
Application March 17, 1934, Serial No. 716,126
6 Claims. (Cl. 139—425)



1. Woven wire cloth for paper making machines, comprising interwoven warp and weft wires, some of said warp wires being of one material and others being reinforcing wires and of a different material, said other warp wires being differently woven in relation to the weft wires than the remainder of the warp wires, said different weave being continued uniformly throughout the length of the woven wire cloth and adapted to compensate for variation in elongation of said different materials whereby elongation of the entire woven wire cloth in the direction of the warp is equalized.

2,066,370
STEAM EXHAUST PIPE ARRANGEMENT FOR ARTICULATED LOCOMOTIVES
Edward Steele, Walla Walla, Wash.
Application September 27, 1935, Serial No. 42,493
8 Claims. (Cl. 105—47)

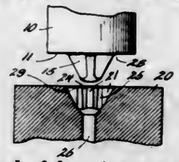


1. The combination in a "mallet" articulated type locomotive having forward and rear cylinders and a boiler, a pair of longitudinal live steam pipes leading from said boiler rearwardly to said rear cylinders, a cross-over pipe disposed in front of said rear cylinders and connected into said longitudinal pipes, and a pipe connected to said cross-over pipe and leading forwardly to said forward cylinders.

2,066,371
METHOD OF DESULPHURIZING ARTIFICIAL FILAMENTS OF VISCOSE
Alfred Ernst Stein, Saffle, Sweden
No Drawing. Application December 27, 1933, Serial No. 704,204. In Germany January 12, 1933
4 Claims. (Cl. 18—54)

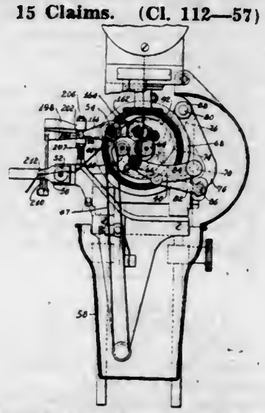
3. In the after-treatment of artificial filaments of viscose the step of simultaneously desulphurizing and scrooping the filaments by treatment with a neutral aqueous solution of an agent of fatty character.

2,066,372
METHOD OF MAKING DIES OR PUNCHES
Joseph J. Tomalis, Providence, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application October 3, 1935, Serial No. 43,399
8 Claims. (Cl. 76—107)



1. The method of forming a punch for making screw head recesses of cruciform plan comprising turning the end of a bar of steel to provide a flat shoulder and a projecting nub, grooving the nub substantially longitudinally with an end mill to form alternate wings and grooves and then compressing and upsetting the nub in a matrix to change the shapes of the surfaces formed by the milling operations.

2,066,373
LOCKSTITCH SEWING MACHINE
Laurence E. Topham, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application March 23, 1932, Serial No. 600,654. Divided and this application June 8, 1934, Serial No. 729,617. Renewed March 10, 1936
15 Claims. (Cl. 112—57)

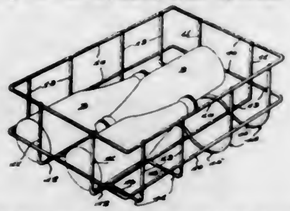


1. A lockstitch sewing machine having, in combination, stitch-forming devices including a hook needle, a thread tension, a looper, a take-up acting to draw down a loop of needle thread against the tension until the resistance offered by contact of the loop with the work exceeds the amount of tension and thereafter to draw the thread through the tension from the supply for the next stitch, and a thread lock for gripping the thread between the take-up and the supply while the take-up completes its stroke to set the stitch.

2,066,374
BASKET
Julian H. Toulouse, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application July 9, 1935, Serial No. 30,446
4 Claims. (Cl. 220—19)

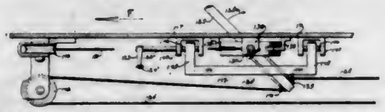
1. An open basket formed of wire adapted to hold a plurality of bottles in a confined space

exposed to the surrounding atmosphere, including upstanding side and end walls, a bottom consisting of wires extending longitudinally and transversely of the basket, said bottom provided



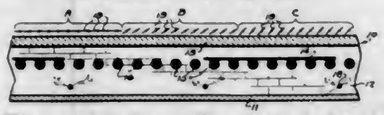
with a transverse series of recesses arranged in staggered relation to accommodate the body portion only of bottles occupying a cumbent position, said recesses being elongated in the direction of the length of the basket.

2,066,375
AIRCRAFT AND THE CONTROL THEREOF
Fred M. Truman, Ambler, Pa.
Application April 15, 1933, Serial No. 666,378
4 Claims. (Cl. 244—83)



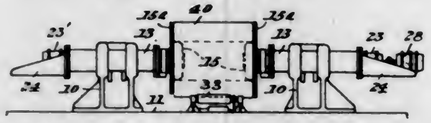
1. An aircraft control assembly, adapted to be coupled to ailerons, elevator and rudder, comprising a control stick tiltable in all directions and having operating means coupling it with the ailerons and elevator, a rudder bar, a universal joint for so tiltably mounting the control stick upon the rudder bar and constructed to transmit rotation of the stick upon its own axis to said bar, and an external annular groove on the rudder bar, with a fixed support engaging said groove to provide for oscillation of the rudder bar in its horizontal plane and to fix the said bar and thus the control stick as against bodily horizontal and vertical displacement.

2,066,376
ANNEALING LEER
Emmett L. Walters, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 29, 1933, Serial No. 673,329
9 Claims. (Cl. 49—47)



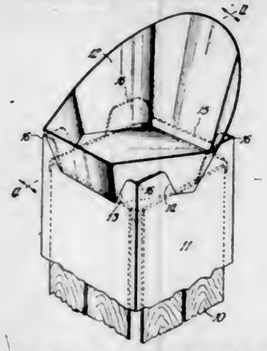
8. The combination with a heated chamber of substantially tunnel-like formation including a bottom, side walls, and a top, of means for controlling and regulating the amount of radiation heat loss through one wall thereof including a plurality of substantially rectangular parallel plates extending transversely substantially the entire width of the chamber outwardly thereof and in opposed relation to said wall, means for pivotally mounting said plates to turn about axes extending transversely of the chamber, and means for moving the plates to assume either a substantially horizontal position where they will be in substantial alignment with one another and out of contact with the wall or a substantially vertical position where they will be substantially parallel with one another and in contact with said wall.

2,066,377
COIL HOLDER
Raymond J. Wean and Donald A. McArthur, Warren, Ohio, assignors to The Wean Engineering Company, Incorporated, Warren, Ohio, a corporation of Ohio
Application October 17, 1935, Serial No. 45,414
9 Claims. (Cl. 242—76)



5. The combination with a pair of spaced centering heads, means for adjusting said heads axially, a motor for driving the adjusting means of one of said heads, and an electrical tie between the adjusting means of the two heads.

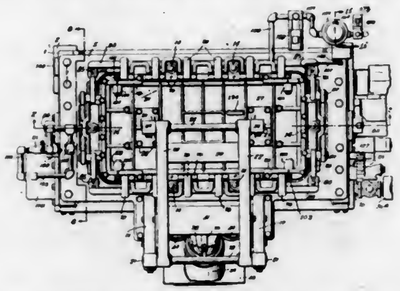
2,066,378
STAND FOR DISPLAY TRAYS AND THE LIKE
Allen A. Wright, Winnetka, Ill., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
Application February 7, 1935, Serial No. 5,325
3 Claims. (Cl. 248—127)



3. A stand for display trays and the like, comprising a core member consisting of a rectangular wooden box, and an invertible rectangular hollow column of cardboard enveloping and concealing said box and having a sliding fit thereon, said column having corner projections on its top and bottom edges respectively adapted to laterally engage with differently shaped trays superposed on said core member.

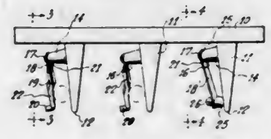
2,066,379
IMPREGNATING APPARATUS
Wallace C. Wright, Brookfield, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey
Application April 13, 1931, Serial No. 529,705
Renewed February 3, 1936
21 Claims. (Cl. 91—46)

1. An apparatus for treating articles comprising a pressure-sustaining treatment receptacle, a removable closure therefor provided with means for supporting the work to be treated, controllable means for supplying a fluid under pressure to the receptacle, a timing device, and automatic power-operated means controlled by said



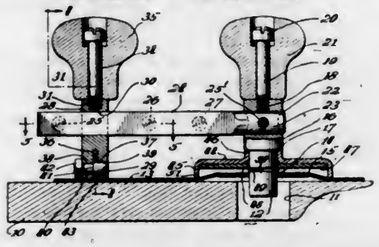
timing device to retract said closure and the work-supporting means from the receptacle.

2,066,380
LOCKING AND CLAMPING DEVICE
Sigmund W. Ziembinski, Bronx, N. Y.
Application November 5, 1934, Serial No. 751,510
Renewed November 21, 1935
12 Claims. (Cl. 24—249)



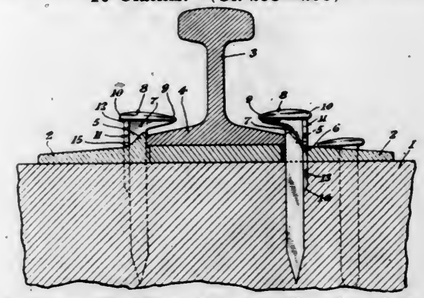
1. In a clamping device, a plate, a stud fixed in said plate, said stud having an angularly bevelled outer end, and a clamp arm pivoted to the end of said stud.

2,066,381
DISK TOOL
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application January 18, 1935, Serial No. 2,339
3 Claims. (Cl. 164—82)



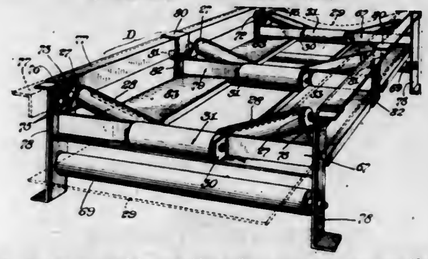
1. In a disk cutting tool, the combination of a supporting shaft with a radially extending arm, a holder adjustably mounted on said arm, a disk cutter carried by said holder, a clamping member carried by said shaft comprising a cup shaped member having a depending flange for engaging and holding a sheet, said shaft projecting into said cup to engage in an aperture in the sheet to hold said sheet in predetermined position, said shaft having a groove located therein, and a resilient metal member engageable in said groove and projecting therefrom sufficiently to engage and retain said cup shaped member on said shaft.

2,066,382
DEVICE FOR HOLDING AND POSITIONING RAILROAD SPIKES
James W. Ames, Montclair, N. J.
Application May 12, 1933, Serial No. 670,664
10 Claims. (Cl. 238—295)



1. In combination with a railroad rail, a tie and a tie plate having an aperture, a spike having a head and an element positioned in the aperture in the tie plate and along the spike and engaging the head thereof, said element being provided with a stop or abutment to engage the tie plate and thus limit the extent to which the spike can be driven into the tie.

2,066,383
PORTABLE SECTIONAL CONVEYER
Morris J. Andrada, East Orange, N. J., assignor to Robins Conveying Belt Company, Passaic, N. J., a corporation of New Jersey
Application January 11, 1935, Serial No. 1,285
5 Claims. (Cl. 198—204)

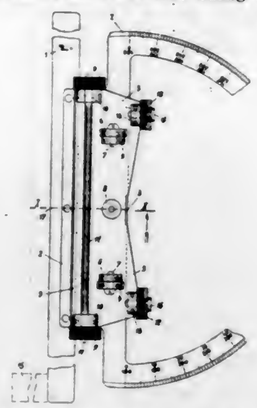


2. In a portable sectional conveyer, an endless conveyer belt, a belt-supporting structure comprising a main cradle including standards, cross-bars connecting said standards in pairs, and side rails detachably supported at their ends on said standards, a supplemental cradle including a cross-bar, outwardly extending flanges on the cradle resting on the rails for suspending the cradle from the respective rails, and means for flexibly and detachably coupling the ends of the respective rails to the associated standards.

2,066,384
NAUTICAL ANGLE-MEASURING AND DRAWING INSTRUMENT
Anny Bade, née Niethammer, Schonkirchen, Germany
Application January 2, 1934, Serial No. 704,915
In Germany January 13, 1933
7 Claims. (Cl. 33—109)

1. In an instrument of the class described a rule adapted to be put onto an even base without being in geared connection therewith, a pair of rollers adapted to guide, when in contact with said base, said rule in their rolling direction, another pair of rollers adapted to run in a direction normal to that of said first-named pair of

rollers, and likewise adapted to guide, when in contact with said base, said rule in their rolling direction, said pair of rollers being laterally ar-



ranged in fixed mutual position, and means for selectively and solely bringing each of the two pairs of rollers into contact with the base.

2,066,385
MANUFACTURE OF ARTIFICIAL SILK

Henri Louis Barthelemy, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 13, 1935, Serial No. 35,973

4 Claims. (Cl. 106—40)

1. An artificial cellulosic silk filament having substantially uniformly dispersed therein mineral oil and flakes of a water insoluble alcohol in such relative proportions that lustre of the filament is reduced and hand and suppleness of the filament are improved, the insoluble alcohol being selected from the group consisting in cetyl alcohol, stearyl alcohol, ceryl alcohol, carnaubyl alcohol, octadecyl alcohol and oleyl alcohol, olefine alcohols, diolefine alcohols, zoosterols and phytosterols.

2,066,386
DISTILLATION PRODUCT

Frank H. Bergeim, Leonia, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 3, 1930, Serial No. 486,278

3 Claims. (Cl. 196—149)

2. As a new product, a distillate obtained by the condensation of vapors coming off within the range of 275° to 315° C. in the distillation of low temperature coal tar under pressure substantially less than atmospheric, said distillate being substantially free from high boiling crystalline compounds, said distillate having a specific gravity of about 1.09 to about 1.13 at 15.5° C., a softening point of from 40° to 60° C., and said distillate being of a resinous consistency as distinguished from an oily or waxy consistency.

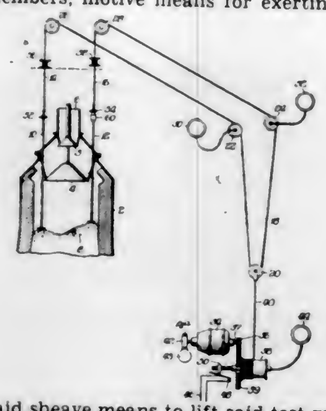
2,066,387
STOCK LINE RECORDER

Charles G. Bigelow, Olaf C. Callow, and Wilfred C. Schofield, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine

Application August 19, 1933, Serial No. 685,826

25 Claims. (Cl. 33—125)

1. In level indicating mechanism, in combination, a plurality of weighted test members, a cable connecting said test members, sheave means cooperating with said cable intermediate of said test members, motive means for exerting a pull



upon said sheave means to lift said test members from their positions of rest, and indicating members cooperating with said cable for indicating the positions of said test members.

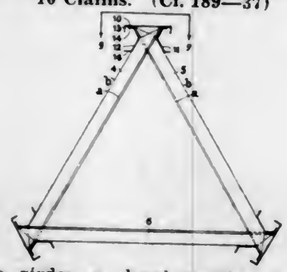
2,066,388
CONSTRUCTION OF METAL GIRDERS

Dimitri Birkin, Berlin, Germany, assignor to firm Edward G. Budd Manufacturing Company, Philadelphia, Pa.

Application August 23, 1933, Serial No. 686,364

In Germany September 17, 1932

10 Claims. (Cl. 189—37)



8. In a girder, a chord member having side walls converging toward each other and each terminating short of the projected plane of the other, and stays of angle cross section having their ends projected between the face of the one side wall of the chord and the edge of the other side wall and secured flatwise by one branch of the angle cross section to the inner face of the one side wall.

2,066,389
TOOL SETTING MEANS

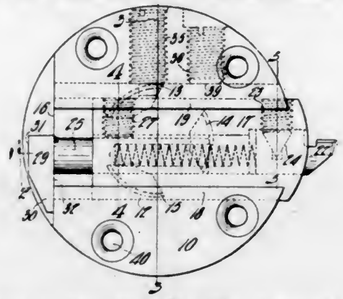
John Y. Blazek, Maple Heights, and Russell G. Anderson, Cleveland, Ohio, assignors to Lempco Products, Inc., Bedford, Ohio

Application December 29, 1933, Serial No. 704,438

1 Claim. (Cl. 77—58)

The combination of a boring head having a flat face on a side thereof and a slot transversely of said head at right angles to said flat face with a tool setting means including a carriage longitudinally movable in said slot, a gib between a side wall of said slot and a side of said carriage, a screw threaded into said head and having a diametrically reduced pilot on the inner end thereof to engage in a hole in said gib to prevent longitudinal movement of said gib

relative to said head and to form an abutment shoulder to clamp said gib against said carriage and said carriage against the other side of said slot, a tool bit secured to one end of said carriage, a setting plug having one end thereof axially telescoped into the other end of said carriage and lockable therein against axial movement, an abutment head on the other end of



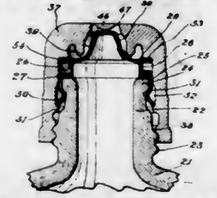
said plug to abut said flat face, a spring in said carriage and having one end thereof in abutment on the inner end of said tool bit and the other end thereof in abutment on the inner end of said setting plug to move said tool bit and said abutment head against corresponding parts of a measuring instrument, and means for locking said setting plug against movement when the same is set.

2,066,390
CLOSURE FOR CONTAINERS

Brent F. Cahoon, Kew Gardens, N. Y., and Howard C. Seaman, Jr., Short Hills, N. J., assignors of one-half to Armstrong Cork Company, a corporation of Pennsylvania, and one-half to Captive Closures, Inc., New York, N. Y., a corporation of Delaware

Application July 13, 1934, Serial No. 734,904

19 Claims. (Cl. 215—7)



1. In combination with a container having a neck, an initially imperforate end closure for completely closing the mouth of the container, said end closure having a plurality of weakened areas, a cup-shaped cap having a threaded relation with said container neck, said cap having a discharge port in the top thereof, a plug carried by the container neck for closing said port in full closed position of the cap, and means carried by the cap for rupturing the material of said weakened areas upon movement of the cap into full closed position.

2,066,391
PAY TELEPHONE STATION

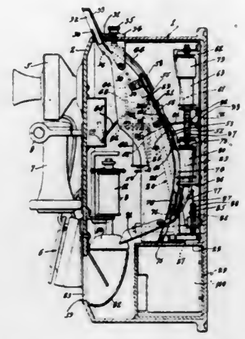
Ralph D. Collins, William M. Reid, and Stanley E. Bourne, Los Angeles, Calif., assignors to Associated Telephone Utilities Company, Chicago, Ill., a corporation of Delaware

Application December 22, 1930, Serial No. 503,952

Renewed August 19, 1933

6 Claims. (Cl. 179—6.3)

1. In a pay telephone station, a coin collecting chute, having a vertically extending branch leading to a collection receptacle, a slot in the side of said chute above said collection receptacle to permit coins to pass to a refund receptacle, means normally blocking said collection chute at a point therein to direct coins outward-



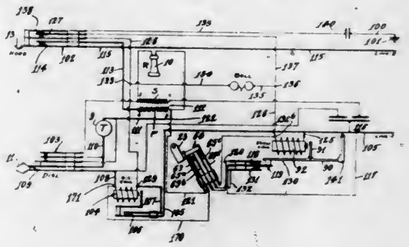
ly through said slot, and means operable by the response of another station called from said pay telephone station for removing said block to permit coins to pass directly to said collection receptacle.

2,066,392
PAY TELEPHONE STATION

Ralph D. Collins, Los Angeles, and Sylvain F. Crane, Long Beach, Calif., assignors to Associated Telephone Utilities Company, Chicago, Ill., a corporation of Delaware

Application November 30, 1931, Serial No. 578,060

10 Claims. (Cl. 179—6.3)



1. In a pay telephone station, means for rendering said station effective for making outgoing calls, including talking circuits, means normally rendering said talking circuits ineffective, means operable by the deposit of coins in said station for rendering said talking circuits operative, and means operably responsive to the combined operations of the ringing of said station and the response by said station for rendering said talking circuits effective to receive incoming calls.

2,066,393
LOCK

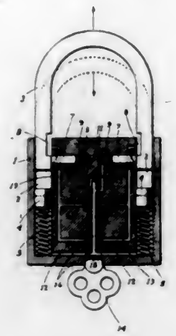
Crayton J. Dials, San Quentin, Calif.

Application October 1, 1935, Serial No. 43,046

9 Claims. (Cl. 70—108)

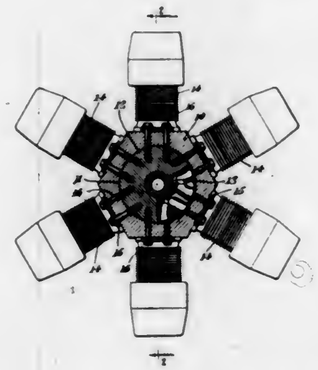
4. A lock comprising a body, a locking bolt mounted therein for movement from a locking to a release position, a cylinder in which the bolt is slidable, said bolt at its outer end being exposed to atmosphere, a normally broken air passage extending in the body from the cylinder behind

the bolt, said passage being adapted to cooperate with a removable key having a passage to close the break and complete said air passage, and



manually operable means mounted in the body and to which the passage is connected beyond the break to set up a negative pressure in the passage only when the key is in place.

2,066,394
INTERNAL COMBUSTION ENGINE STRUCTURE
Rudolph Daub, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application April 21, 1933, Serial No. 667,142
9 Claims. (Cl. 121—194)



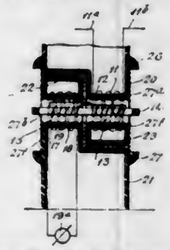
1. In an internal combustion engine the combination of a one-piece tubular crankcase, a crankshaft, a crankthrow on the latter, identical and symmetrically disposed circular crankshaft bearing discs on either side of the crankthrow for receiving an explosion load in tension and for equally distributing the entire load to the crankshaft bearing on either side of the crankthrow, one of said discs being disposed at the end of the crankcase, cylinders symmetrically bridging the discs for distributing the explosion load equally to the discs and symmetrical means anchored in the discs and shouldered in the cylinders for securing said cylinders and said discs to the crankcase and for transmitting the explosion load equally and entirely in tension to each of the discs on either side of the crankthrow.

2,066,395
BRAKE DRUM
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1931, Serial No. 571,726
12 Claims. (Cl. 188—218)



2. A brake drum comprising a cast braking ring, a second ring integrally secured to an axial extremity of said braking ring, and a head secured to said second ring.

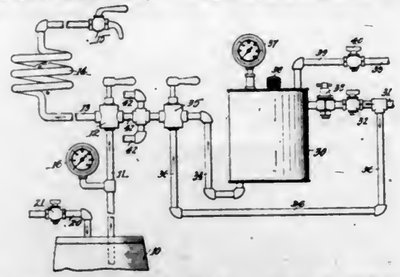
2,066,396
CURRENT TRANSFORMER
Franz Joseph Fischer, Dresden-Mickten, Germany, assignor to Koch & Sterzel Aktiengesellschaft, Dresden, Germany
Application June 10, 1933, Serial No. 675,205
In Germany June 10, 1932
4 Claims. (Cl. 175—358)



1. In a current transformer, a lower insulating body, an upper insulating body carried by said lower insulating body, an insulating tube carried by said lower insulating body, an insulating tube carried by said upper insulating body, said insulating tubes being situated end to end and in alignment in relation to each other, one of said tubes forming a continuation of the other tube, the common central axis of said tubes being substantially transverse to the axis of said insulating bodies, a primary winding carried by one of said tubes, and a secondary winding carried by the other one of said tubes.

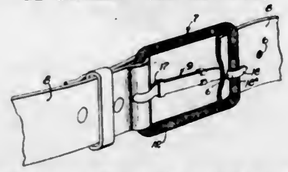
2,066,397
DISPENSING APPARATUS
John Edward Fogarty, Auburn, Mass.
Application June 21, 1935, Serial No. 27,631
4 Claims. (Cl. 225—12)

1. Dispensing apparatus comprising a three-way valve, a beverage feed pipe and a beverage distributing pipe connected thereto, an additional pipe connected to said valve, a high pressure water main, and means to maintain a regulated water pressure in said additional pipe substantially less than water main pressure and substantially equal to the normal dispensing pressure of the beverage being dispensed, said three-



way valve being effective to connect either the feed pipe or the additional pipe to said distributing pipe and to simultaneously shut off the other one of said two pipes.

2,066,398
BUCKLE
Sidney A. Getts, Rockford, Ill., assignor of one-fourth to Warren B. Thayer, Rockford, Ill.
Application August 21, 1935, Serial No. 37,135
11 Claims. (Cl. 24—178)



1. A buckle for resiliently connecting the ends of a strap or belt, said buckle comprising a longitudinally extensible frame, and an extensible tongue pivotally supported on one end of the frame and extending to and engaging the opposite end of the frame, said tongue comprising two members movable relative to each other for varying the length of the tongue to conform to varying lengths of the frame.

2,066,399
MATCH
Harold W. Greider, Wyoming, and Marion F. Smith, Cincinnati, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
Application September 21, 1933, Serial No. 690,334
2 Claims. (Cl. 44—46)



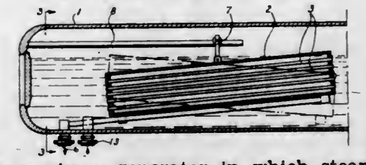
1. As an article of manufacture, a match comprising a non-combustible fibrous match splint body containing fiber, of which fiber about 50% to about 90% is asbestoform mineral fiber and about 10% to about 50% is alkaline refined fiber, and soluble silicate permeating said fiber, said match splint body carrying throughout a portion of the length thereof an oleaginous or waxy substance which is capable of supporting combustion as carried by said match splint body and an ignitable tip adjacent to and adapted to ignite said substance.

2,066,400
BEDPAN
Elizabeth A. Hale, New York, N. Y.
Application May 14, 1936, Serial No. 79,629
7 Claims. (Cl. 4—112)



7. A bed pan comprising a receptacle portion formed of rigid material and having a seat portion surrounding an entrance opening of elliptical conformation and provided with front and rear sections adapted to fit over the front and rear organs of the user, and flexible flanges connected to said receptacle and adapted to contact with and to be attached at front and rear to the person of the user, said receptacle being tapered downwardly and projecting forwardly to a cylindrical lower end extending beyond the front end of the seat, said lower end being provided with a removable stopper.

2,066,401
BOILER
Otto Hartmann, Kassel-Wilhelmshohe, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft, m. b. H., Kassel-Wilhelmshohe, Germany
Application August 31, 1935, Serial No. 38,680
In Germany September 6, 1934
6 Claims. (Cl. 122—33)

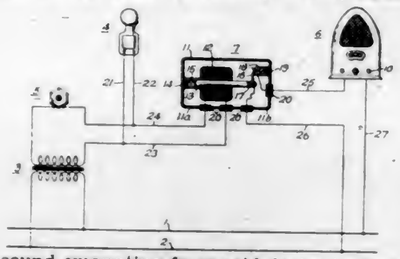


1. In a steam generator in which steam for utilization in a steam using device is generated by means of a fluid heating medium confined in a heating appliance placed within a small-diametered substantially horizontal boiler drum, a heating appliance comprising a plurality of elongated evaporating drums each having tubes extending longitudinally through it parallel to its axis, the evaporating drums being arranged in the boiler drum in a row lengthwise of the boiler drum and each being inclined to the horizontal.

2,066,402
ELECTRICAL SYSTEM
Daniel W. Hinkel, Pittsburgh, Pa.
Application June 1, 1935, Serial No. 24,545
4 Claims. (Cl. 177—7)

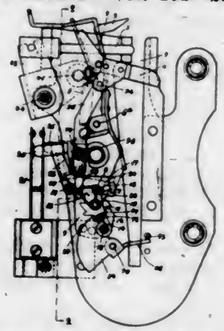
1. The combination with an electrical sound producing device, of an electrical supply circuit, a door bell having an energizing coil, a bell switch for connecting said bell coil to said circuit, relay means connected with said bell circuit to be energized during the period that the bell is energized, a circuit including the electrical sound producing device controlled by said relay means,

when the latter is energized, for opening the circuit to the sound producing device, whereby



the sound emanating from said device is silenced during the period of ringing of the bell.

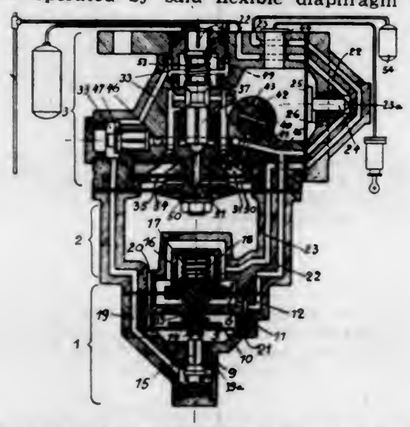
2,066,403
ELECTROMAGNETIC STAMPING APPARATUS
Johan Albin Jonsson, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application July 16, 1935, Serial No. 31,626
In Sweden June 6, 1934
16 Claims. (Cl. 101—287)



1. Impression mechanism with electromagnetic driving or controlling arrangement, particularly for workmen's time recorders, characterized in that a contact arrangement for closing and opening the circuit through an electromagnetic arrangement for driving or controlling the apparatus is controlled by a toothed wheel or ratchet device which cooperates with a stepping mechanism adapted to be advanced alternately on the closing of the circuit by means of an arm arranged in the path of the time card and adapted to be actuated by the latter upon its insertion in the apparatus and alternately on the breaking of the circuit by means of a lever or the like connected with the electromagnetic arrangement.

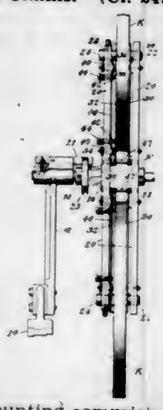
2,066,404
BRAKE VALVE DEVICE
Florentin Kasantzeff, Berlin, Germany
Application April 23, 1930, Serial No. 446,731
5 Claims. (Cl. 303—59)

1. In a direct acting automatic fluid pressure brake, the combination with a brake pipe and brake cylinder, of a triple valve including a chamber connected to the brake cylinder, a regulating air pressure chamber, movable means oppositely influenced by the pressures in said chambers and including a valve member adapted to control the admission and exhaust of compressed air to and from said first mentioned chamber, means controlling the pressure in said regulating air pressure chamber including oppositely arranged chambers separated from each other by a flexible diaphragm, non-throttling passages connecting each of said last named chambers with the brake pipe, valve means controlled by the air pressure in said first mentioned chamber to close the non-throttling passage to one of said last named chambers when the brake cylinder is being filled with compressed air, and a valve device operated by said flexible diaphragm to



admit and exhaust compressed air to and from said regulating air pressure chamber when the pressure in the brake pipe is reduced and increased respectively, said valve controlling a throttling air supply passage of such stream resistance that in said regulating chamber a regulating air pressure is produced in precise dependence upon the brake pipe pressure and in a predetermined extended time compared with the time required for brake pressure changes applied through the said non-throttling passages.

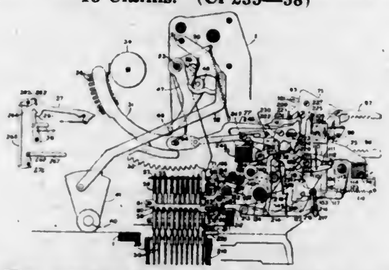
2,066,405
COIL MOUNTING
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application June 4, 1935, Serial No. 24,878
8 Claims. (Cl. 242—75)



6. A coil-mounting comprising a rotatable hub, a pair of arms projecting from the hub and having an intermediate space, a plate secured to one arm, a plate movable upon the other arm, the plates

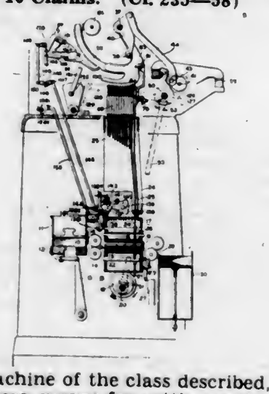
and arms being provided with alined openings in their outer extremities, a coil-retaining pin extending through the openings, and means for yieldably forcing the movable plate toward the other plate.

2,066,406
TABULATING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application June 16, 1931, Serial No. 544,720
13 Claims. (Cl 235—58)



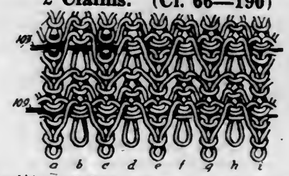
1. The combination of card sensing means, printing means, a group accumulator adapted to accumulate both positive and negative items, a grand total accumulator, operating mechanism, mechanism settable to cause said operating mechanism to print a group total of proper algebraic sign, mechanism settable to cause the operating mechanism to print a grand total, mechanism brought into operation under card control for controlling the functions of the machine necessary to the taking of all totals, and card controlled means for shifting the connections from said controlling mechanism from one of said settable mechanisms to the other, whereby, under card control the machine will at one time automatically take a group total and at another time a grand total.

2,066,407
TABULATING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application July 27, 1931, Serial No. 553,317
10 Claims. (Cl. 235—58)



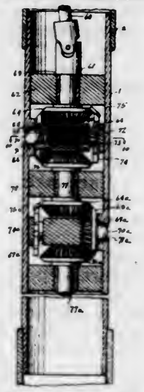
1. In a machine of the class described, a series of type carriers, means for setting said type carriers to differential positions, said means including record sensing means, means for effecting printing from the positioned type carriers and means comprising an intermittently operable cam shaft, the operation of which is initiated by the ascent or descent of said type carrier setting means for restraining said means for effecting printing.

2,066,408
KNITTED FABRIC
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y., a corporation of New York
Application June 27, 1933, Serial No. 677,799
2 Claims. (Cl. 66—190)



1. A knitted fabric comprising a plurality of yarns arranged in one section to present loops in a plurality of rows and wales, and an elastic unlooped yarn in the rear of said section running substantially parallel to a row and lying behind all loops in said row of said section, certain of said yarns being looped in certain wales and unlooped in other wales, the unlooped portions of said certain yarns lying in the rear of the fabric adjacent and behind said elastic yarn to substantially conceal said elastic yarn when viewed from the rear of the fabric.

2,066,409
PERFORATOR
Edgar E. Loring and Joseph Passafuma, Houston, Tex.
Application June 22, 1935, Serial No. 27,832
3 Claims. (Cl. 77—7)



1. A pipe perforator shaped to be lowered into a pipe in a well and including radially directed drills, means for rotating and feeding the drills outwardly to effect perforation of the pipe, means for driving the rotating and feeding means and an automatically reversible transmission mechanism operatively connecting the driving means with the rotating and feeding means to effect retraction of the drills, said driving means including a tubular operating string having an outlet port through which the fluid under pressure may be directed into the well, and means arranged to co-act with said parts for automatically varying the pressure at the

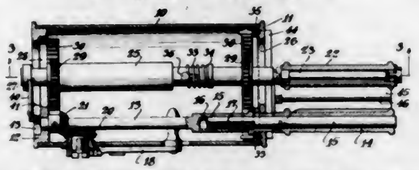
limit of the outward and inward movement of the drills to effect an indicating reaction at the source of pressure.

2,066,410
ELASTIC-FLUID TURBINE
Frederick Loss, Wallsend-on-Tyne, England, assignor to The Parsons Marine Steam Turbine Company Limited, Wallsend-on-Tyne, England
Application September 26, 1935, Serial No. 42,254
In Great Britain October 5, 1934
6 Claims. (Cl. 253—69)



1. An elastic-fluid impulse turbine stage, comprising in combination, nozzle means for generating velocity in a jet of elastic fluid in certain working conditions and means for abstracting velocity so generated, said abstracting means including at least two spaced rows of one-tier running blades with a space therebetween and a sector of guide blades disposed in said space, said rows each abstracting part of said generated velocity; and also disposed in said space other nozzle means for generating velocity in another jet of elastic fluid in certain other working conditions and means including one of said spaced rows of running blades, for abstracting velocity so generated.

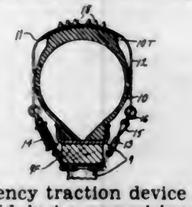
2,066,411
METHOD AND APPARATUS FOR DETERMINING THREAD THICKNESS
Hans P. Luhn, New York, N. Y.
Application February 19, 1935, Serial No. 7,303
18 Claims. (Cl. 33—125)



1. The method of arranging thread to form a thread panel having a width measurable to determine the thickness of the thread which comprises, winding and supporting a length of thread in a number of successive figure eight turns so that a number of thread portions are interlaced with each other, applying slight tension to the interlaced portions of thread and effecting movement of said thread in a direction axially thereof to cause the tension applied to said thread portions and the interlacing thereof to effect rearrangement of said thread portions in closely positioned parallelly disposed relation.

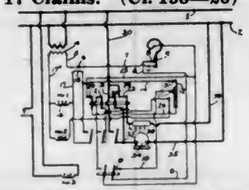
5. Apparatus for arranging thread or the like to determine the thickness thereof comprising, a pair of members mounted in spaced relation to support a length of thread distributed thereon with a plurality of thread portions extending between said members; means acting to apply slight tension to the thread on said members; and means for operating one of said members for effecting displacement of said thread portions in the direction of their axes to rearrange said thread portions on said members to form a thread panel comprising closely positioned parallel thread portions.

2,066,412
ANTISKID AND TRACTION DEVICE
Samuel Meckler, St. Paul, Minn.
Application December 4, 1935, Serial No. 52,815
2 Claims. (Cl. 152—14)



1. An emergency traction device for motor vehicle wheels, said device comprising a quadrangular flexible plate of shallow arcuate formation longitudinally and transversely to fit snugly the exterior face of a tire tread, the sides of the plate diagonally with relation to the sides of the tire, arm members extending integrally from the plate at opposite sides and directed toward the wheel center to straddle a tire in pairs, traction cleats on said tread plate in predetermined spaced relation, and a removable tension device connecting the arm members and engaging the wheel rim parts adjacent the tire, said cleats comprising each a double edged tooth one edge of which is offset relation to the other, both edges being parallel.

2,066,413
CONTROL APPARATUS
Ernest M. Miller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 28, 1930, Serial No. 448,011
17 Claims. (Cl. 158—28)

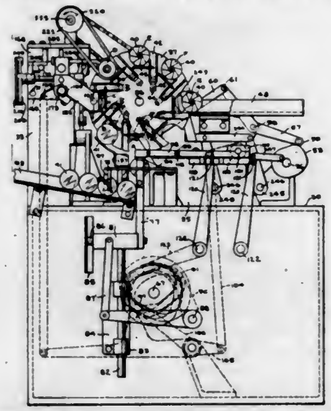


13. A control for a combustion heating device, having a fuel-supply means, an igniter for the fuel, a device for rendering said fuel-supply means and igniter operative to establish combustion and means for rendering said ignition inoperative a predetermined period of time after combustion is established.

2,066,414
WRAPPING MACHINE
Michael J. Milmoe, Glen Ellyn, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application May 25, 1933, Serial No. 672,840
31 Claims. (Cl. 93—2)

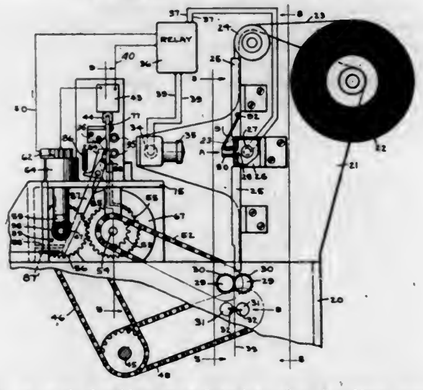
1. In a wrapping machine, the combination with a conveyer for moving a series of articles to wrapping mechanism, of wrapper aligning means located at a position adjacent said mechanism; means for moving said wrapper about an article when the latter arrives at said position, with equal portions thereof protruding beyond opposite ends of said article, means for sealing opposite sides of the wrapper together about the article, and means for folding the extending end portions of said wrapper to substantially entirely enclose said article comprising two sets of fingers at each end of said article, the one set at each

end engaging the inner side of the wrapper, and the other set engaging the outer side of the wrapper, means for moving the outer set inwardly toward the inner set to produce folds in said



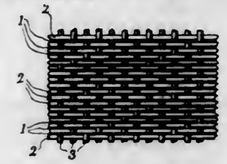
extending portions, means for withdrawing the inner set from the wrapper and means for thereafter moving said folds against the ends of said article.

2,066,415
WEB REGULATING MECHANISM
Michael J. Milmoe, Glen Ellyn, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application June 9, 1933, Serial No. 675,037
16 Claims. (Cl. 271—2.6)



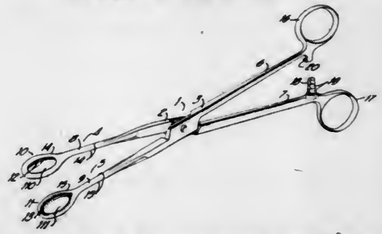
1. A web feeding mechanism for feeding webs having indicia thereon at predetermined points along said web comprising feeding means for feeding said web along a predetermined path, a rotatable driven element connected to said feeding means, a rotatable driving element rotatable on an axis coincidental with the axis of rotation of said driven element and actuated continuously, a releasable connection between said driving and driven element for connecting the same in driving relation with each other comprising a plurality of pawls on one of said elements, a ratchet on the other of said elements, means for urging said pawls into engagement with said ratchet, said pawls being spaced from each other a distance such that only one of said pawls is in engagement with the operative face of a tooth on said ratchet, means operable when the feed of said web varies more than a predetermined amount from that desired for moving said pawl which is in engagement with the tooth on said ratchet out of engagement with said tooth to thereby permit relative movement between said elements until the other of said pawls comes into engagement with a tooth on said ratchet and stops the relative rotation between said elements, whereby the total amount of actuation of said feeding means by said driven element is varied from that which would occur if said first pawl was in engagement with said ratchet and remained operative.

2,066,416
INK RIBBON AND METHOD OR PROCESS OF MAKING THE SAME
Samuel A. Neidich, Burlington, N. J., assignor to The Neidich Process Company, Burlington, N. J., a corporation of Delaware
Application November 23, 1935, Serial No. 51,203
18 Claims. (Cl. 197—172)



1. An impression transmitting medium, including a fabric base; and cellulosic threads woven into one face of the fabric base in an overshot manner, and thereafter liquefied to form an ink-retarding, permeable integument on one face of the fabric.

2,066,417
FISH-BONING DEVICE
Homer L. Nelms, Albany, N. Y.
Application October 12, 1934, Serial No. 748,001
13 Claims. (Cl. 17—7)

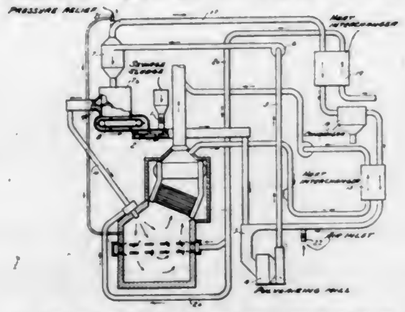


4. In a device of the character described, two relatively movable, blade-like members, the first of said members being formed at one end with a jaw portion adapted to cooperate with the second member to form gripping means and the edge of said first member forming a cutting edge extending substantially about said jaw portion.

2,066,418
SLUDGE DISPOSAL PLANT
Richard F. O'Mara, Chicago, Ill., assignor to Raymond Bros. Impact Pulverizer Co., Chicago, Ill.
Application June 12, 1934, Serial No. 730,269
3 Claims. (Cl. 110—15)

3. In the art of sludge treatment, a process comprising circulating a body of gas in a closed circuit, heating the gas at one point by means of waste hot gases from a furnace, bringing the heated gas during its circulation through the closed circuit into contact with the sludge thereby evaporating moisture from the sludge, pulver-

izing the sludge while so evaporating its moisture, thereafter cooling the gas by means of combustion



air on its way to the furnace, condensing the moisture out of the cooled gas and burning the sludge in the furnace.

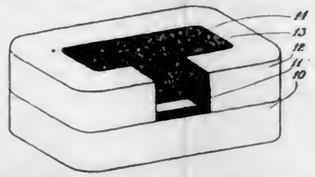
2,066,419
TUBULAR POST
Josef Pfistershammer, Zurich, Switzerland
Application July 16, 1935, Serial No. 31,954
In the Netherlands July 26, 1934
6 Claims. (Cl. 189—26)



1. A tubular post, comprising in combination a plurality of tubular sections tapering towards the upper end and made of sheet steel of such thin thickness that the ends of the sections are yieldable and spreadable, the wide lower end of each tubular section slipped over a length of the narrow upper end of the preceding section, all said sections being of elliptic cross-section to prevent mutual turning, supporting arms for electric wires each having a sleeve tapering towards its upper end and made of thin sheet steel so that it is yieldable and spreadable along its entire length, said sleeves adapted to be slipped over the narrow upper end of the upper tubular section of the post and having an elliptic cross section corresponding with the elliptic cross section of said upper tubular section to prevent mutual turning.

2,066,420
CLEANING DEVICE
Lester J. Reysa, Cedar Rapids, Iowa
Application February 9, 1935, Serial No. 5,773
3 Claims. (Cl. 15—118)

1. A sponge comprised of a sheet of porous material, another sheet of porous material having an opening therein secured to the first sheet of material, a sheet of fabric between the two sheets, and a filler of metallic material secured

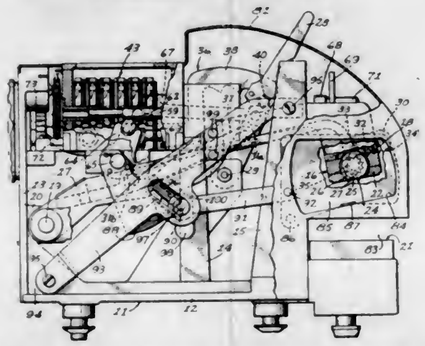


to the fabric sheet within the opening of the second sheet.

2,066,421
LAMINATED SHEET
Kurt Ripper, Berlin-Lichterfelde, Germany
No Drawing. Original application March 5, 1931, Serial No. 520,478. Divided and this application September 17, 1932, Serial No. 633,685. In Austria December 15, 1930
6 Claims. (Cl. 154—2)

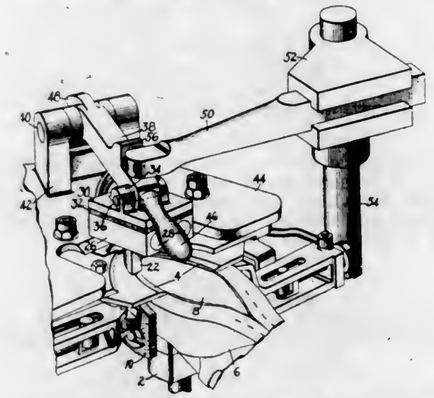
1. The process of making tough, hard and dense sheets which comprises impregnating a cellulosic lamina with a solution prepared by mixing 1 mol. of thiourea and less than 2 mols formaldehyde without addition of external heat in an aqueous medium which is more acid than $C_H=10^{-5}$ and less acid than about $C_H=10^{-3}$, drying the impregnated lamina without heating the same, and subjecting the same thereafter to pressure and heat sufficient to form a hydrophobe resinous product therein.

2,066,422
PRINTING MACHINE
Commodore D. Ryan, Los Angeles, Calif., assignor to National Postal Meter Company, Los Angeles, Calif., a corporation of California
Application April 15, 1935, Serial No. 16,435
5 Claims. (Cl. 101—91)



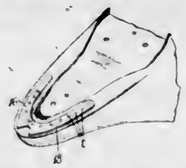
1. In a multi-denomination printing machine, a printer head, multi-denomination printing means carried thereby and operable for presenting a single value at the printing position for each printing operation, selector means operable for actuating the multi-denomination printing means to bring the selected value into printing position, casing means inclosing the machine and having an opening for permitting access to the printer head, a door for closing the casing opening, and means for locking the door closed, and means actuated by the selector means when the selector means is actuated to position the multi-denomination printing means in a non-printing position for releasing the door locking means.

2,066,423
MANUFACTURE OF SHOES
August R. Schoenky, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 31, 1936, Serial No. 71,903
17 Claims. (Cl. 12—14)



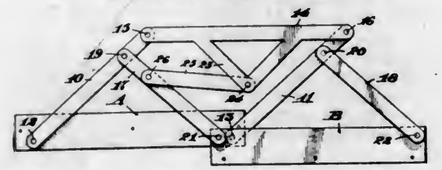
12. In a lasting machine, wipers for wiping the margin of an upper inwardly over an insole around an end of the insole, and a gang of heated perforating tools movable to penetrate through the overwiped margin of the upper.

2,066,424
MANUFACTURE OF SHOES
August R. Schoenky, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 1, 1936, Serial No. 72,132
6 Claims. (Cl. 12—145)



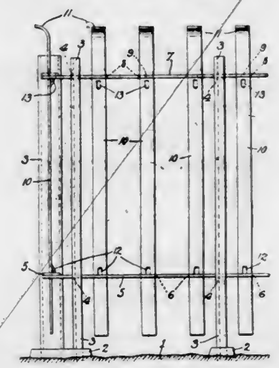
1. That improvement in methods of making shoes which consists in lasting the marginal portion of an upper inwardly over an insole, fastening an upper-retaining device to the shoe upon the marginal portion of the upper, heating said upper-retaining device, and thereafter removing said device from the shoe.

2,066,425
LINK SUPPORT
Chester C. Sidwell, Pico, Calif.
Application September 4, 1935, Serial No. 39,135
5 Claims. (Cl. 20—24)



1. In a link support, a supporting member, a pair of upwardly extending links pivoted on said supporting member, a tie bar connecting the upper ends of said links, a pair of downwardly extending links carried on said pair of upwardly extending links and leading therefrom below said tie-bar, a tie connecting the lower ends of said downwardly extending links adapted to carry a structure to be movably supported, and a link connection between said tie bar and one of said downwardly extending links for equalizing thrusts imposed on said links by the load of the supported structure.

2,066,426
COMPOSITE FENCE STRUCTURE
Eric R. Skilnik, Chicago, Ill.
Application December 30, 1935, Serial No. 56,642
5 Claims. (Cl. 256—22)



1. In a composite fence, a plurality of fixed standards, rails positioned one above the other in said standards, one rail provided with a plurality of slots, another rail provided with irregularly shaped slots, each slot having a lateral enlargement intermediate its ends, and pickets shaped to be positioned in said slots, each picket provided with a downwardly facing tongue positioned out of line with the plane of the picket, and provided also with an upwardly facing tongue positioned out of line with the plane of said picket, the upper tongue originally being so disposed as to pass through the enlargement in the slot in the upper rail and being thereafter moved to a position preventing its passage and consequent withdrawal of the picket through the slot.

2,066,427
STAR DRILL
Lloyd A. Smith, Portland, Oreg., assignor, by direct and mesne assignments, to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey
Application December 9, 1935, Serial No. 53,536
3 Claims. (Cl. 255—42)

1. In a device of the class described, the combination of an elongated guide rod having a flange formed around same between its ends, the portion of said rod on one side of said flange constituting a guide and the portion of said rod on the opposite side of said flange constituting a holder having a recess formed thereon for the reception of a drill, a tubular driving head slidably mounted on the guide portion, said head having a counterbored recess formed therein, said guide having cross pins projecting therefrom and said head having a pin inserting hole formed in the side thereof communicating with said coun-

terbored portion, the end of said driving head nearest said flange being adapted to engage said



flange for the purpose of imparting a striking blow thereto.

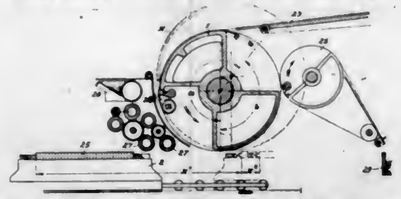
2,066,428
GLOVE
Sylvan M. Straus, Gloversville, N. Y.
Application February 19, 1934, Serial No. 711,876
3 Claims. (Cl. 2—162)



1. A glove having a wrist portion, said wrist portion having transverse looped stitches made of elastic thread and which engage the material of said wrist portion, the material of said wrist portion being held normally fluted by said stitches, said stitches projecting more from the outside surface of the glove than from the inner surface of the glove.

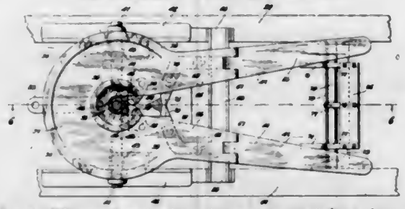
2,066,429
APPARATUS FOR OPERATING CYLINDER PRINTING PRESSES
Rudolf Stüssi, Glarus, Switzerland, assignor to Druckmaschinen Aktiengesellschaft, Glarus, Switzerland
Application March 16, 1931, Serial No. 523,095
In Germany December 19, 1930
3 Claims. (Cl. 101—282)

1. In a cylinder printing press, the combination of a printing cylinder continuously rotating at uniform speed in the same direction, and a reciprocating form bed, said impression cylinder being reduced in diameter while retaining the arcuate length of the impression receiving segment as necessitated by the size of the sheet to be printed in such manner that the impression cylinder during the impression stroke of the said form bed is turned through a greater angle than during the return stroke of the form bed, a crank drive for reciprocating the form bed, and means for actuating the crank drive in such a manner that the crank in that period in which the impression cylinder travels through the



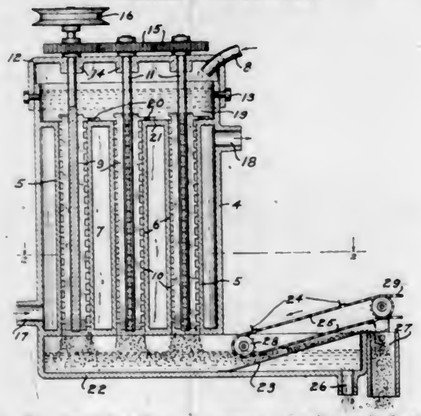
greater angle passes through one-half revolution at reduced speed while the crank in that period in which the printing cylinder travels through the smaller angle makes a half revolution at accelerated speed.

2,066,430
MOTOR VEHICLE
Howard E. Swift, Westfield, Mass.
Application September 25, 1930, Serial No. 484,368
Renewed May 25, 1936
18 Claims. (Cl. 280—33.1)



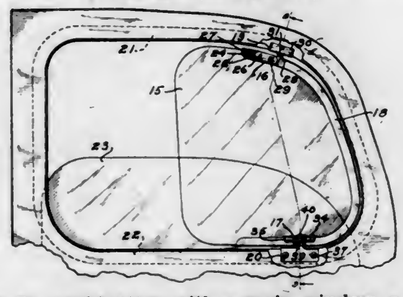
8. A fifth wheel structure comprising in combination upper and lower fifth wheel members adapted to be coupled together, pivoted guiding means mounted on said lower fifth wheel member and adapted to be rearwardly and upwardly inclined and means for securing said guiding means in raised position.

2,066,431
ICE MAKING APPARATUS
William H. Taylor, Muskego, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation
Application February 2, 1935, Serial No. 4,670
15 Claims. (Cl. 62—106)



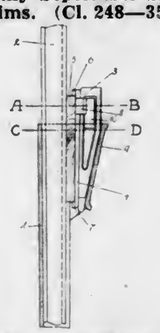
1. In combination, a series of elongated stationary tubes, means for cooling said tubes, means for supplying liquid to said tubes through the corresponding ends thereof, and rotary scrapers within said tubes for delivering congealed liquid from the opposite ends thereof.

2,066,432
AIR DEFLECTOR
Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application August 1, 1934, Serial No. 737,897
7 Claims. (Cl. 296—84)



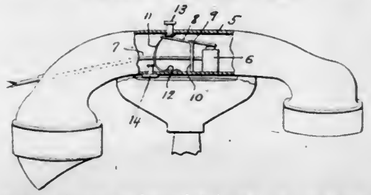
7. In combination with a main window, a deflector shield, a hinge element interposed between the lower end of said shield and the adjacent portion of the main window reveal, a socket fixedly associated with an upper portion of the main window reveal, a pivot ball resiliently supported by the upper portion of said shield and cooperating with said socket to provide a detachable pivotal connection, and means carried by said shield for removing said ball from said socket to permit swinging of said shield upon said hinge element.

2,066,433
MINE PROP
Heinrich Toussaint, Berlin-Lankwitz, and Egmont Heintzmann, Bochum, Germany
Application September 17, 1934, Serial No. 744,416
In Germany September 21, 1933
4 Claims. (Cl. 248—354)



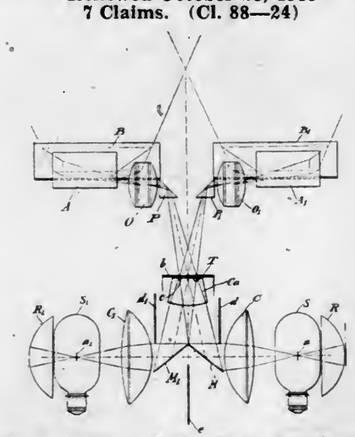
4. In mine props, two telescopic prop members one of which has a wedge shaped pocket through which the other projects, a wedge device located in said pocket for clamping the two prop members together, said device including a main wedge member and a conjugate wedge member, said wedge members having sliding movement on one another and a friction element interposed between said conjugate wedge member and the inner prop member, said main wedge member having elongated recesses in its sides and said conjugate wedge member having ears entering said recesses to keep the wedge members together while permitting sliding movement between them.

2,066,434
TELEPHONE SIGNAL DEVICE
Harold E. Treworgy, Brunswick, Maine
Application February 25, 1936, Serial No. 65,668
1 Claim. (Cl. 179—84)



In a telephone subscriber's set, a receiver having a hollow hand grip, an electro-magnet mounted in the hollow of said hand grip and adapted to be arranged in circuit with the bell of the set, a post mounted in said hollow, an armature pivotally mounted intermediate its ends on said post and having an end arranged in operative position to said magnet, an indicating button having a sliding fit within an opening provided in said hand grip, said armature having an end engageable with the inner end of the button for projecting the latter when the armature is caused to rotate incidental to an energization of said magnet, and a spring device mounted within the hollow of said hand grip and normally engaging said armature to retain the same in a predetermined position permitting said button to normally remain in an inward position with respect to the hand grip, said spring maintaining the armature in energized position after its initial movement by the electromagnet, and a release button positioned at the underside of the handgrip and engageable with supporting means for the handgrip when the latter is at rest to move the release button inwardly for contacting the spring to maintain the latter in armature engaging position and said release button moving out of contact with the spring when the handgrip is raised bodily.

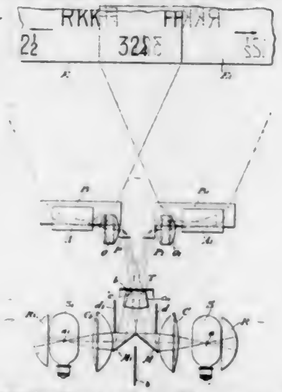
2,066,435
IMAGE-FORMING SYSTEM
Edward H. Unkles, Weehawken, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware
Application March 12, 1930, Serial No. 435,155
Renewed October 26, 1935
7 Claims. (Cl. 88—24)



1. In a system of the character described, a projection field with respect to which is movable

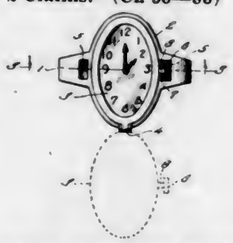
a tape having characters reading lengthwise thereof, means for simultaneously passing a plurality of angularly related light beams through the same section of said tape as it moves along its path, and an objective lens in the path of each light beam, each objective lens producing images of the tape characters which move substantially horizontally in an image plane and the image planes being spaced from each other and facing in different directions.

2,066,436
PROJECTION SYSTEM
Lester W. Bowen, Larchmont, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware
Application May 24, 1930, Serial No. 455,195
15 Claims. (Cl. 88—24)



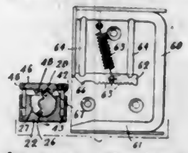
1. In a projection system, the combination with a projection field along which is movable a tape having characters reading lengthwise thereof, of a plurality of screens disposed, respectively, in planes cross-wise with respect to the course taken by the tape while moving through said projection field, and means comprising light-reflecting systems for producing on the respective screens character images which travel from end to end thereof substantially parallel with respect to the plane of the tape section in said projection field.

2,066,437
RING WATCH
Joseph Vitrone, New York, N. Y.
Application July 29, 1936, Serial No. 93,279
2 Claims. (Cl. 58—88)



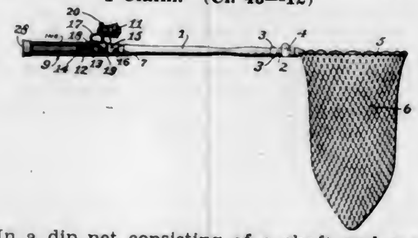
1. A ring watch comprising a finger band, a rim mounted on the band, and a watch hingedly mounted on the rim and engageable therein, said watch including a winding crown, the band having a chamber therein for the reception of the crown.

2,066,438
KEEPER DEVICE FOR DOOR LATCHES
George W. Wells, Amesbury, Mass.
Application September 26, 1935, Serial No. 42,220
3 Claims. (Cl. 292—340)



3. A keeper for use on the jamb of a door comprising a casing having a horizontally disposed supporting face arranged for engagement by a rigid projection on the door, to support a latch member thereon with its top face at a predetermined level, a rigid link pivotally engaged at its upper end with said casing and normally depending approximately vertically therefrom directly over said supporting face and having means at its lower end arranged for engagement with the said top face of the latch member, said link being arranged to swing inwardly from its normal position when engaged by the latch member on closing movement of the door and being actuated to swing outwardly to cause a clutch engagement between its said means and said latch member top face, to lock the door against opening movement while the latch member is supported at said level.

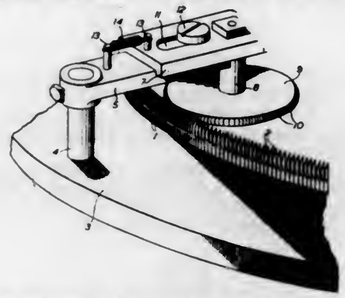
2,066,439
LANDING NET
William E. Wine and Walter Wyatt, Washington, D. C.
Application April 16, 1934, Serial No. 720,884
1 Claim. (Cl. 43—12)



In a dip net consisting of a shaft and a net secured to one end thereof, the combination of a casing mounted on the other end of the shaft, said casing having means for interengagement with the shaft, electric cells mounted in the casing, a switch mounted on the casing, a flexible bracket, an electric lamp support secured to said bracket, an electric lamp positioned in the support, a circuit connecting the switch, lamp, and cells, and a set-screw mounted in the lamp support to engage the bracket and adapted to flex the bracket to guide a light beam from the lamp along the shaft and substantially above the upper end of the net.

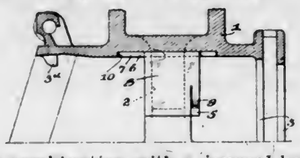
2,066,440
CIRCULAR KNITTING MACHINE
Albert Sydney Winter and Thomas Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 15, 1935, Serial No. 45,016
In Great Britain October 26, 1934
9 Claims. (Cl. 66—113)

1. A circular knitting machine comprising a holding-down wheel adapted to mesh with the needles, said holding-down wheel being mounted in such a way as to be capable on encountering



an obstruction of moving out of mesh with the needles, and readily yieldable means for keeping the wheel normally in mesh with the needles.

2,066,441
WEAR PLATE FOR RAILWAY TRUCK JOURNAL BOXES
Harry H. Wolfe and John S. McPherson, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application October 2, 1933, Serial No. 691,888
12 Claims. (Cl. 308—40)



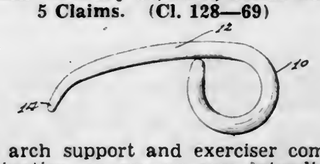
1. The combination with a journal box formed of relatively soft metal, of a hard metal wear plate in the box for protecting the latter against the wear of the journal box wedge, said wear plate being formed of resilient metal and held in the journal box by the resiliency of the wear plate.

2,066,442
GOLF CLUB
Carl Wright, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application January 7, 1935, Serial No. 685
4 Claims. (Cl. 273—80)



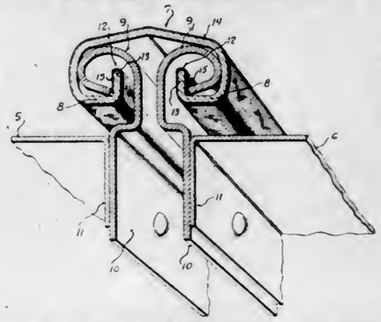
1. In a golf club, a shaft, a head secured to the shaft, a generally tubular metal ferrule telescoped with and substantially fitting the shaft, the ferrule being in two parts abutting end to end, one part abutting at an end portion thereof with a portion of the head and being of light weight metal such as aluminum and the other part of the ferrule being of brass or like material and soldered, brazed or the like to the shaft at a point remote from the head, and the head abutting ferrule part being sufficiently rigid to substantially increase the resistance of the shaft portion enclosed thereby to flexing stresses.

2,066,443
ARCH SUPPORTER AND EXERCISER
Chester D. Adams, Lexington, Ky.
Application February 25, 1936, Serial No. 65,725
5 Claims. (Cl. 128—69)



3. An arch support and exerciser comprising in combination, an eye, an arm extending tangentially from the eye and out of the plane thereof, the extremity of said arm being curved toward the eye side of the arm.

2,066,444
HOOD HINGE
Carl P. Albert, Racine, Wis., assignor to Greene Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application April 15, 1936, Serial No. 74,503
3 Claims. (Cl. 16—178)

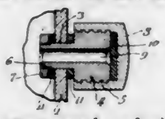


1. In a hood hinge for automotive vehicles, a stationary hinge part, a movable hinge part having a pivotal interengagement therewith and adapted to support a movable hood section, said hinge parts having their interengaging portions so shaped that the movable hinge part slides over an edge of the stationary hinge part, and a shell of noncorrosive metal covering the exposed parts of the stationary hinge part and said edge so as to insure continued smooth hinge action.

2,066,445
NURSING BOTTLE
Paul E. Allen, Niles Center, Ill.
Application July 5, 1934, Serial No. 733,764
2 Claims. (Cl. 215—11)

1. In combination with a nursing bottle having a discharge opening and an air vent in a wall of the bottle immediately above the base, a valve structure including a hollow shank adapted to pass through said vent, a part adapted to seat against the interior of the bottle, a

threaded enlargement on the exterior of the bottle, and a cap adapted to encompass and be threaded onto said enlargement, said cap when tightened sealing the outer end of said shank and the interior of the bottle to the atmosphere, and

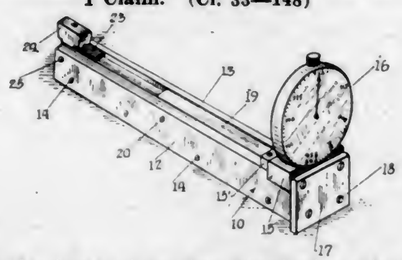


when partially unscrewed, admitting air only around the complementary threads of said enlargement and cap and into the outer end of the hollow of the shank to replace the exhausted contents of the bottle.

2,066,446

PRECISION INSTRUMENT

Peter Ernest Backmann, Los Angeles, Calif.
Application October 7, 1935, Serial No. 43,981
1 Claim. (Cl. 33—148)

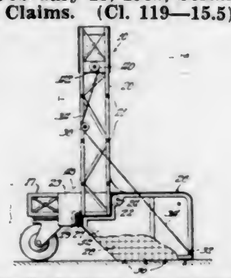


In the device of the class described, a substantially U-shaped member, comprising a base and up-standing side pieces, a front plate secured to one end of said U-shaped member, a block secured to said side pieces and spaced from said front plate, a micrometer bearing block positioned between said first mentioned block and said face plate, a rocker bar pivoted between said side pieces and having one end underlying said micrometer bearing block, and a pivoted member positioned between said side pieces and overlying the opposite end of said rocker member from that underlying said micrometer bearing block, whereby movement of said pivoting member actuates said rocker bar to effect a reading of the micrometer on said block.

2,066,447

STARTING GATE

August T. J. Bahr, St. Louis, Mo., assignor to Bahr Starting Gate Corporation, Chicago, Ill., a corporation of Illinois
Application February 15, 1932, Serial No. 593,069
2 Claims. (Cl. 119—15.5)

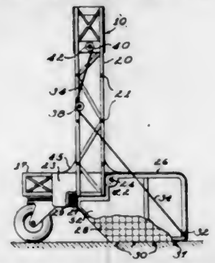


1. A race track starting gate, comprising a supporting frame, said frame consisting of a pair of uprights and a horizontal cross member, supports extending downwardly from the cross member, and a plurality of counter-balanced partitions pivotally mounted at the lower ends of the supports.

2,066,448

STARTING GATE WITH SELF-ALIGNING SPIKED STALL PARTITIONS

August T. J. Bahr, Chicago, Ill., assignor to Bahr Starting Gate Corporation, Chicago, Ill., a corporation of Illinois
Original application February 15, 1932, Serial No. 593,069. Divided and this application November 26, 1935, Serial No. 51,654
2 Claims. (Cl. 119—15.5)

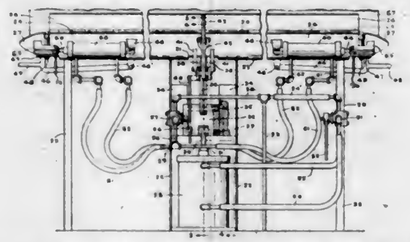


1. A race track starting gate, comprising a supporting frame, a plurality of self-aligning partitions pivotally mounted therein for vertical movement in their own planes, means for raising and lowering said partitions, and spikes in each partition for retaining the same in desired position with respect to other partitions and the track.

2,066,449

BUNDLING APPARATUS

William Barrett, International Falls, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application August 20, 1934, Serial No. 740,572
6 Claims. (Cl. 93—2)

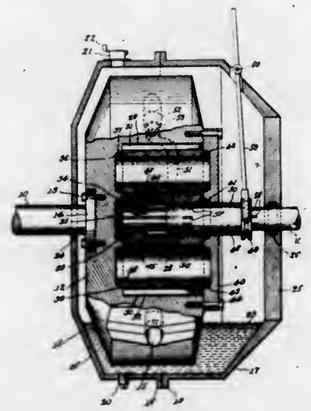


1. In a machine for wrapping wall board, a table for receiving wall board in face to face position, sides hingedly connected to the table for folding wrapping material up and around the wall board, members hingedly connected to the sides for folding wrapping material at the ends of the wall board, fluid piston members hingedly and horizontally mounted on said sides and connected to said end folding means for controlling the end folding members, a slidable member mounted beneath the table, diverging bars connected to the slide member, a pair of members connected to the table and to said bars, a valve operating arm connected to one of said bars and to a valve, said valve connected to said piston members and controlling the supply of operating fluid to the said piston members, and means for connecting said pair of members to the sides.

2,066,450

HYDRAULIC CLUTCH

Joseph Albon Bascle and William Harold Berry, New Orleans, La.
Application January 21, 1936, Serial No. 60,109
5 Claims. (Cl. 192—61)

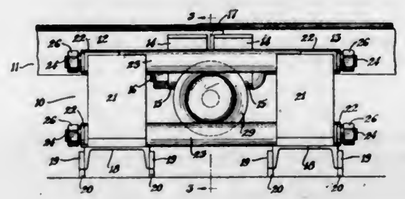


1. A combined clutch and transmission for a driving shaft and a driven shaft, comprising a housing, a liquid in the housing, an annular member in the housing, means for securing the member to the driving shaft, said member having a plurality of bores therein, intermeshing gears in said bores, valved means carried by the member for forcing the liquid toward said gears upon rotation of the member, means for connecting the driven shaft to one of said gears, said one gear having a bore therein relatively larger than the diameter of the driven shaft, and also having a radial outlet open between each pair of teeth, and a speed controlling valve slidable between said driven shaft and said one gear and provided with outlet openings adapted to register with the openings in said one gear.

2,066,451

CARRIAGE FOR SHAKING CONVEYERS

Charles N. Bebinger, New Philadelphia, Ohio, assignor to La-Del Conveyor & Mfg. Co., New Philadelphia, Ohio, a corporation of Ohio
Application November 11, 1935, Serial No. 49,125
7 Claims. (Cl. 198—220)

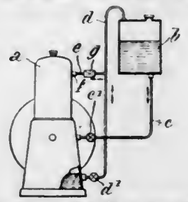


1. An aligning carriage for a shaking conveyer, including a base, a set of vertically spaced cylindric rods axially rotatably mounted at each side of the base, means detachably mounting the rods in accurate alignment on the base, a shaft extending transversely of the rods, and flanged rollers journalled on the ends of the shaft and rollably mounted on and between each set of vertically spaced rods.

2,066,452

METHOD AND APPARATUS FOR LUBRICATING

Auguste Louis René Bernard, Rueil-Malmaison, France, assignor to Society "Fusion-Moteurs", Rueil-Malmaison, France, a society
Application October 20, 1932, Serial No. 638,823
In Belgium October 21, 1931
11 Claims. (Cl. 123—196)



1. An internal combustion engine adapted to be fed with a fuel capable of acting as a lubricant and including a combustion chamber, means for injecting fuel into said chamber, and a crankcase adapted to contain lubricant, which comprises in combination, a fuel tank, a conduit connecting said tank with working parts of the engine, a conduit connecting said crankcase with said tank, means in said conduits for causing fuel to flow from said tank to said working parts through the first mentioned conduit and from said crankcase to said tank through said second mentioned conduit, thus forming a closed circuit, and means for forcing fuel from said circuit into said fuel injecting means.

2,066,453

PRESERVATIVE FOR ANIMAL AND VEGETABLE SUBSTANCES

John Bleeck, London, England
No Drawing. Application October 14, 1935, Serial No. 44,998. In Great Britain November 6, 1934
3 Claims. (Cl. 149—1)

1. A process for preserving animal and vegetable substances consisting in treating said substances with an aqueous solution of sodium sulphate, and sodium fluoride (neutral or acid) with kaolin suspended therein, the quantity of sodium sulphate (in terms of the decahydrate) constituting at least 30% of the solid ingredients and the quantity of sodium fluoride at least 2% thereof.

2,066,454

PROCESS FOR THE THERMAL TREATMENT OF LIGHT METALS AND LIGHT METAL ALLOYS

Klaus Bonath and Carl Albrecht, Kronberg in Taunus, Germany, assignors to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application October 31, 1935, Serial No. 47,721. In Germany October 31, 1934
7 Claims. (Cl. 148—13.1)

1. A process for the thermal treatment of a metallic substance selected from the group consisting of light metals and light metal alloys, particularly aluminium and its alloys which comprises treating the said metallic substance in a molten salt bath having a melting point between 300° and 550° C. which contains as its main constituents at least one alkali halide and at least one basic-reacting compound, the proportion of the said basic reacting compound being such that the metallic substance is at least ex-

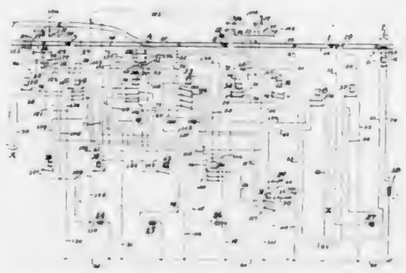
tensively protected from attack by the halide, said basic-reacting compound constituting less than 30% of the constituents.

2,066,455

PROTECTED SWITCH OPERATING SYSTEM

Harry E. Brashares, St. Paul, Minn., assignor, by mesne assignments, to Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 3, 1924, Serial No. 696,436
17 Claims. (Cl. 246—240)



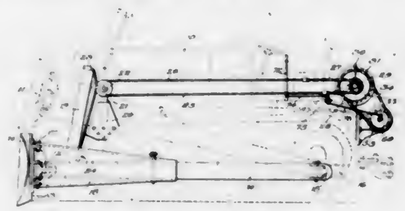
1. A railroad switch operating system comprising a switch, a signal governing traffic over the same, means on the train co-operating inductively with means on the roadside to operate said switch and effective only when said signal indicates "stop".

2,066,456

MATERIAL HANDLING APPARATUS

Bernis B. Brown, Portland, Oreg.

Application January 14, 1935, Serial No. 1,764
2 Claims. (Cl. 37—144)



1. In a material handling apparatus for a tractor having a driven shaft one end of which projects exteriorly of the tractor, said apparatus comprising a blade, a frame pivotally connected to the tractor and carrying said blade, and tractor carried and actuated means for raising and depressing said frame, comprising a shaft, flexible actuating connections between said shaft and the frame, a second shaft, drums loosely mounted on the second shaft and having operating connections with the first shaft, clutch elements on the second shaft freely rotatable adjacent to said drums, a gear box secured to the tractor receiving the said tractor shaft, a gear in said box engaging the tractor shaft, means operatively associated with said latter gear for driving said clutch elements in relatively opposite directions, means controlled by the operator for selectively shifting each of said drums into engagement with its respective clutch element, and manually operated clutch members splined on the second shaft and engageable with said drums.

2,066,457

SOLID FUEL BRIQUET AND PROCESS OF MAKING THE SAME

Alden J. Decker, Du Bois, Pa.

No Drawing. Application October 9, 1935, Serial No. 44,304
2 Claims. (Cl. 44—23)

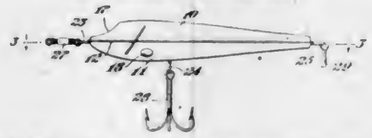
2. A solid fuel briquet consisting of a compressed and dried mixture of pulverized bituminous coal, wood pulp paper which has been ground in water, and asphalt, in approximately the proportions of 66⅔% bituminous coal, 20⅚% wood pulp paper, and 12½% asphalt.

2,066,458

FISH LURE

William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York

Application May 22, 1935, Serial No. 22,805
2 Claims. (Cl. 43—46)



1. A fish lure comprising a hollow body simulating a minnow or other small fish and consisting of an upper concave section, a lower concave section and a partition forming with said sections upper and lower compartments and a frame within said lower compartment and secured to the section wall thereof said frame providing a loop at the mouth of the lure for receiving a lead line and loops at the belly and tail of the lure for receiving hooks.

2,066,459

PROCESS OF MAKING ASPHALTIC STORAGE BATTERY CASES

Edward R. Dillehay, Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

No Drawing. Original application September 11, 1931, Serial No. 562,428. Divided and this application December 6, 1934, Serial No. 756,362
5 Claims. (Cl. 106—23)

1. A process of making a moulding composition which comprises blending rubber with bituminous material on grinding rolls, and combining a relatively small quantity of the blend so produced with a relatively larger quantity of a bituminous binder substance and incorporating into the combined binder so produced filler and fiber materials by operations not materially damaging the fibers.

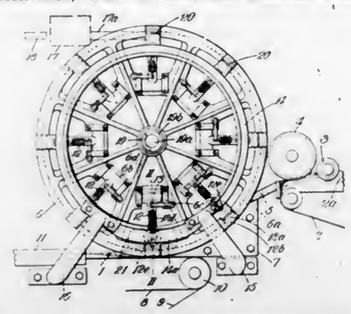
2,066,460

APPARATUS FOR MAKING CIGARETTES

William Frederick Maitland Edwards, London, England, assignor to Filter Tips Limited, London, England, a British company

Application November 7, 1934, Serial No. 751,951
In Great Britain November 9, 1933
22 Claims. (Cl. 131—43)

3. An apparatus of the character described, comprising a rotatable member having a circumferential channel in its periphery, means for introducing a tobacco filling into said channel, means for retaining said filling in said channel during a portion of a revolution of said member, means carried by said rotatable member for cutting and removing a section of said filling from said channel, and means associated with said



cutting means for positioning an insertion in the space provided by removal of said section of the filling.

2,066,461

PROCESS OF SEPARATING AND RECOVERING HYDROCARBONS AND ALKYL ESTERS FROM MIXTURES THEREOF

William Engs, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 28, 1935, Serial No. 8,686
14 Claims. (Cl. 260—156)

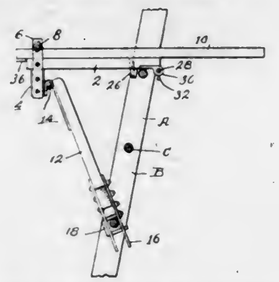
1. A process for the recovery of a hydrocarbon from an alkyl ester-hydrocarbon mixture separated from an absorption product of an olefine in a mineral acid acting acid which comprises vaporizing at least a part of the hydrocarbon content of said mixture at a temperature not substantially higher than 180° F. in the presence of a neutralizing agent and removing the substantially undecomposed alkyl ester content with the remainder.

2,066,462

LADDER JACK

Benn F. Fenton, Kansas City, Mo.

Application May 22, 1936, Serial No. 81,301
3 Claims. (Cl. 304—3)



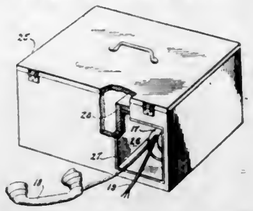
1. A ladder jack comprising a platform adapted to rest at its forward portion upon one of the rungs of a ladder, means adapted to maintain said platform in a horizontal plane upon the rung, a sleeve fixed to the forward portion of the platform, bolts slidable in opposite directions in said sleeve and adapted to engage the stiles of the ladder and thereby prevent backward movement of the platform upon the rung, and a cleat fixed to the underside of the platform adapted to engage the rung on which said platform rests and thereby prevent forward movement of the latter.

2,066,463

ELECTROSTATIC TELECOMMUNICATION SYSTEM

William G. H. Finch, New York, N. Y.

Application April 1, 1936, Serial No. 72,039
5 Claims. (Cl. 179—2)



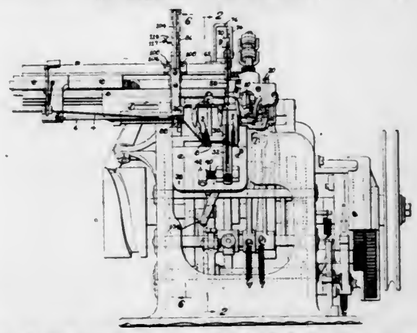
1. In a telepicture system, means for generating electrical signals of relatively high voltage in accordance with a picture to be transmitted; a cabinet housing said signal generating means; a metallic member; said member being insulatingly mounted in said cabinet; means for electrically impressing said signals on said member; and a telephone system comprising a telephone station; said member and said telephone station being electrostatically coupled for inducing said signals into said telephone system.

2,066,464

SHOE UPPER LACING MACHINE

Joseph Fossa, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

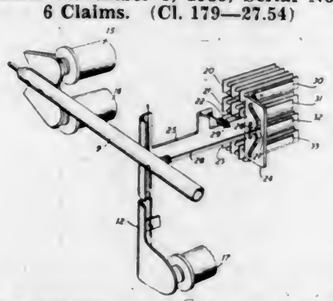
Application January 8, 1934, Serial No. 705,741
27 Claims. (Cl. 112—5)



9. A machine for lacing eyeletted shoe uppers having, in combination, looper fingers and rotatable needles for forming loops in a lacing cord to insert the cord through eyelets in an upper, knot tying devices, a reciprocating member for withdrawing the cord ends through the eyelets and presenting them to the knot tying devices, and means for rotating one needle in the opposite direction from the other before the ends of the cord are presented to said devices.

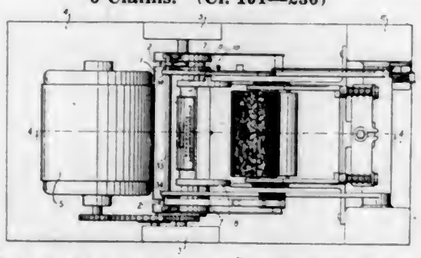
27. A machine for lacing eyeletted shoe uppers having, in combination, means for inserting a length of lacing cord through eyelets in an upper comprising looper fingers and a plurality of needles, each provided adjacent its end with a cord receiving slot and formed with a flattened shank fitting the eyelets and tapering from a point at the rear of the slotted portion towards the rear end of the needle to engage diametrically opposite portions of an eyelet and to provide at the eyelet a space at each side of the needle for portions of cord extending through the eyelets impaled by the needles.

2,066,465
SWITCH
Otto A. Friend, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 8, 1935, Serial No. 48,920
6 Claims. (Cl. 179—27.54)



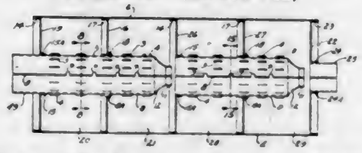
1. In a selective switch, two operating magnets, a plurality of separately operable contact sets controlled by said magnets, and means controlled by said magnets jointly when operated in different orders and by the continued operation of one of said magnets for selectively operating said contact sets and maintaining them in operated condition.

2,066,466
ENDORSING MACHINE
Carlton W. Gray and Russell C. String, Westmont, N. J.
Application February 23, 1934, Serial No. 712,453
6 Claims. (Cl. 101—236)



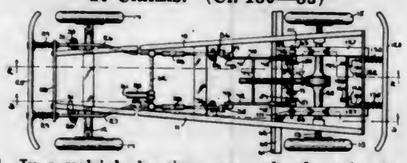
2. An endorsing machine comprising a base, a platen mounted on the base, a member movably mounted on the base, an impressor movably mounted on said member, cooperating latch elements on the impressor and said member, respectively, and electro-responsive latch-operating means including a switch element carried by said member.

2,066,467
MUFFLER
Emmet P. Gray, Detroit, Mich.
Application November 27, 1935, Serial No. 51,779
22 Claims. (Cl. 181—41)



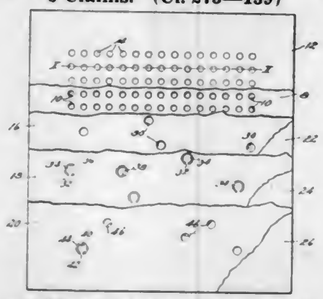
5. In a muffler for connection with an exhaust pipe of an engine, the combination of a tube provided with perforations through its walls, said perforations being arranged in a plurality of rows extending circumferentially in parallel planes around said tube, each of said perforations being provided with hood portions to cause said fluids escaping therethrough to flow tangentially around the outer surfaces of said first mentioned tube, means partially closing the opposite end of said tube to cause a portion of the fluids entering said tube to escape through said perforations, and a second tube surrounding said first mentioned tube, said second tube being closed, at one of its ends, around said first mentioned tube, said second tube being provided, at its opposite end, with an opening for the passage of fluids therethrough.

2,066,468
FENDER FOR AUTOMOBILES
Anthony Grigas, Worcester, Mass.
Application February 11, 1935, Serial No. 6,009
10 Claims. (Cl. 180—83)



1. In a vehicle having rear wheels, a brake bar adapted for engagement with the road to stop the vehicle and being normally in raised position, a lock to hold the brake bar in raised position, a releasing element attached to the brake bar and movable lengthwise of the vehicle and positioned when so moved to have engagement with the lock, and a bumper operatively connected to the releasing element and movable relatively to the vehicle when engaging an obstruction to move the releasing element into engagement with the lock to move the latter to unlocking position relatively to the brake bar and also transmit a force from the bumper to the brake bar, whereupon the latter moves to road engaging position in front of the wheels by forces derived from gravity and the bumper.

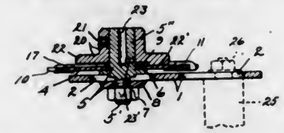
2,066,469
PUNCHBOARD
Ellsworth R. Haas, Kansas City, Mo., assignor to Franklin S. Riley, Kansas City, Mo.
Application June 27, 1936, Serial No. 87,709
6 Claims. (Cl. 273—139)



1. A punchboard for electrical game devices, having a source of electrical energy, a punch and an electrical circuit including the punch, comprising a laminated body having a plurality of superimposed sheets and a plurality of cavities provided within the body between certain of said sheets, some of said sheets being composed of conducting material and forming a part of the electrical circuit, certain of said sheets of conducting material having partially insulated areas

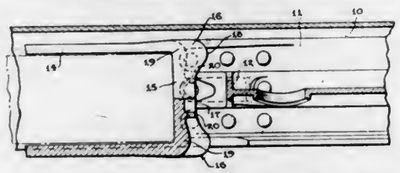
closing one end of certain of said cavities, said areas having connections with the remaining portion of the sheet which fuse to completely isolate said areas when the circuit is closed with one of the areas and its connection forming a part thereof.

2,066,470
JACK PRESSER FOR KNITTING MACHINES
Willis A. Ingalls, Syracuse, N. Y.
Application May 12, 1934, Serial No. 725,328
9 Claims. (Cl. 66—103)



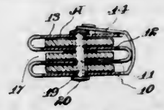
7. A jack presser or the like for a knitting machine comprising a support, a carrier plate having a plurality of substantially radially disposed slots in the peripheral edge portion thereof mounted on the support, a plurality of jack members, each slidably movable radially of the plate independently of the remaining jack members to bring them into and out of said slots and to and from the operative position therein, each of said jack members having individual retaining means co-acting with the carrier plate independently of the retaining means for the remaining jack members and of said support for permitting said sliding movement of the jack member relative to the plate and for releasably maintaining said jack member in the operative position in said slot.

2,066,471
DRAFT YOKE FOR RAILWAY CARS
George T. Johnson and Harry W. Stertzbach, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application July 1, 1931, Serial No. 548,243
3 Claims. (Cl. 213—67)



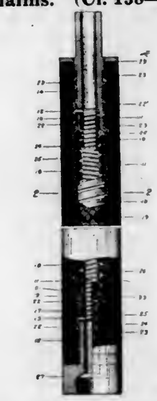
1. In a railway car having a center brace and draft lug casting with a front flange and forwardly directed lugs adapted to be used with a connected coupler and yoke of the rigid type in which the coupler travels rearwardly independently of the yoke, means for using said car with a type of coupler and yoke in which the coupler and yoke move rearwardly in unison, without disturbing the normal position of the said center brace and draft lug casting, said means comprising a yoke having a butt end provided at its sides with vertically disposed rearwardly projecting flanges, said flanges being tied together and having their medial portions recessed to accommodate the front flange of the casting, the upper and lower portions of said vertical flanges projecting rearwardly beyond said medial portions to operate between said lugs, the lugs of the casting being positioned at opposite sides of said butt end and functioning as guides for the butt end.

2,066,472
RELEASABLE IGNITION KEY CASE
Ross H. Johnson, Indianapolis, Ind.
Application June 22, 1933, Serial No. 677,061
3 Claims. (Cl. 150—40)



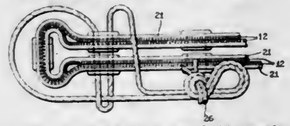
1. A key case having a body portion formed of flexible material died-out to form a series of wall portions having substantially the same dimensions and integrally connected together, the central walls being folded together, means for connecting said central walls intermediate the ends, a flap extending from the outer wall on one side and adapted to overlie the central walls and the outer wall on the opposite side, means for securing said flap, means adjacent the wall ends for holding said walls together and for forming a key supporting means, and an open key back slot formed in the side of the case opposite to said closing flap.

2,066,473
CONDUIT FOR FLEXIBLE SHAFTS
Enoch Berg Jorgensen, Los Angeles, Calif., assignor to Viber Company, Limited, a corporation of Nevada
Application May 8, 1936, Serial No. 78,680
14 Claims. (Cl. 138—58)



1. In a conduit, the combination of a central coiled wire, a non-collapsible interlocking flexible metallic sheathing surrounding said coiled wire, tubular wire lacing overlying said sheathing, spirally wound fabric overlying said lacing and adapted to hold said lacing against said sheathing, and a flexible moisture-proof covering.

2,066,474
METHOD OF LACING SHOE UPPERS
Francis A. Keaney, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 6, 1933, Serial No. 664,754
10 Claims. (Cl. 112—262)



8. The method of lacing eyeletted shoe uppers preparatory to lasting which consists in passing a

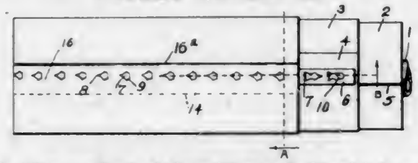
length of cord through two pairs only of registering eyelets in the sides of a folded upper and from one pair of eyelets to the other directly between eyelets of said pairs located on the same side of the work, the cord extending directly between eyelets in opposite sides without crossing the outside surface of the upper at the edge of either side, and forming permanent connections between a portion of cord extending from an eyelet in one side of the upper and a portion of cord extending from another eyelet in the same side of the upper without crossing the outside surface of the upper at the edge of either side, including a knot between the two cord ends.

2,066,475

PROTECTIVE SHEATHING OR COVERING FOR PIPES AND METHOD OF APPLYING SAME

Robert E. Kramig and Robert E. Kramig, Jr., Wyoming, Ohio

Application July 19, 1932, Serial No. 623,376
7 Claims. (Cl. 154—28)



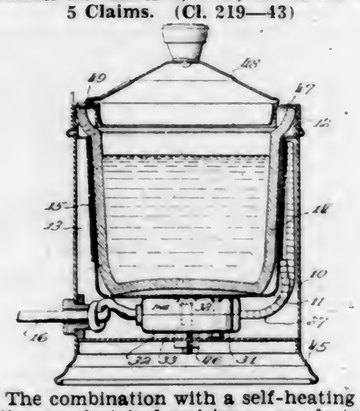
2. The method of sheathing a body which comprises placing longitudinally on and securing to said body a member having a series of outstanding prongs projecting transversely outward from said member, placing a sheathing material over said prongs adjacent one edge of the sheathing material, passing the sheathing material around said body so that the longitudinal lay of the sheathing material is arranged longitudinally of the body, placing the opposite edge portion of said sheathing on to said prongs, so that each prong engages two portions of the sheathing adjacent opposite edges thereof, and bending said prongs over said sheathing.

2,066,476

SELF-HEATING UTENSIL

Herman E. Lacy, Chicago, Ill.

Application November 9, 1935, Serial No. 48,954
5 Claims. (Cl. 219—43)



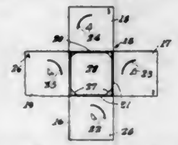
1. The combination with a self-heating vessel including an electrical resistance, an electric circuit within which said resistance is arranged, and means for controlling the closing and opening of said circuit by the temperature of the vessel, said last mentioned means including a thermostat, a switching mechanism controlled by said thermostat for opening and closing said circuit, said thermostat and switching mechanism being completely encased within a casing, said casing comprising a pair of complementary shells and means for securing said shells to each other and to the vessel.

2,066,477

PROGRESSIVE STENCIL DEVICE

Murray Allen Levin, New York, N. Y.

Application June 26, 1935, Serial No. 28,409
1 Claim. (Cl. 101—115)



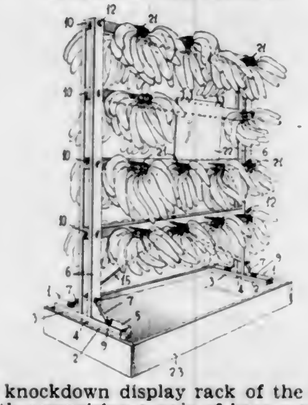
As a new article of manufacture, an educational and amusement device comprising an integral cross-shaped sheet having a different portion of a stenciled design on each arm thereof, means for positively retaining a blank sheet upon the central portion of the cross-shaped sheet comprising slitted corner portions of said central portion adapted to engage the corners of said blank sheet, and means adapting each of said arms to be folded in superposed relation over said blank sheet.

2,066,478

DISPLAY RACK

Adolph M. Lewin, Jr., Cincinnati, Ohio

Application August 15, 1935, Serial No. 36,427
3 Claims. (Cl. 211—13)



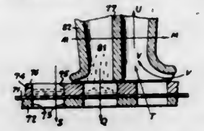
1. A knockdown display rack of the character set forth comprising a pair of base members arranged in spaced relation, a pair of uprights rising from each base member, said uprights having smooth unbroken surfaces and resting on the top surface of said base members, an angle member detachably connected to each upright and its respective base member to secure the upright in position on its respective base member, a plurality of horizontally disposed bars interconnecting said uprights, said bars having smooth unbroken surfaces, the end portions of said bars being interposed between said spaced uprights, a single bolt and wing nut detachably connecting each end portion of the bar with its respective uprights, an inverted V-shaped brace member connected at its vertex to one of said bars and at its ends to said uprights, said brace member and horizontally disposed bars serving as the sole lateral bracing means for said rack, and a plurality of article supporting elements carried by each bar.

2,066,479

FLUID STRAINING METHOD AND APPARATUS

Vernon W. MacIsaac, Montreal, Quebec, Canada

Application June 8, 1931, Serial No. 542,899
10 Claims. (Cl. 210—167)



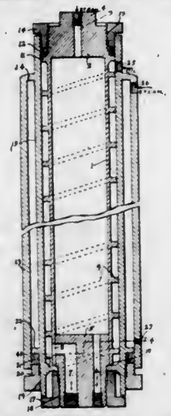
1. A method of removing foreign particles from the straining wall of a fluid strainer consisting in inducing flow of a small part of the fluid from the main stream to an external region of lower fluid pressure, directing the resultant stream to flow from the upstream side of the straining wall over a small portion of its upstream face in a scouring manner to entrain and sweep particles from the straining wall and carry them in a confined path to the external region of disposal, causing a relative motion between the straining wall and the path of said stream to progressively expose in turn all parts of the straining wall to the scouring action in a continuously advancing manner with undiminished straining area in active use during the process.

2,066,480

OIL HEATER

John McKerrall, New Orleans, La.

Application August 27, 1935, Serial No. 38,138
9 Claims. (Cl. 257—243)



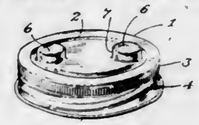
1. In an oil heater, three concentric tubes, plugs for the end of the central tube, said plugs having provisions to pass steam into and conduct steam from the interior of said central tube, means securing said central tube within the middle tube at one end, a packing device at the other end of said central tube to seal said central and middle tubes together so as to leave a space between said central and middle tubes for oil passage, means to admit oil to and deliver it from said oil passage, and an outer tube enclosing a steam chamber and surrounding said middle tube.

2,066,481

METAL CLOSURE

John J. Noll and John J. Williams, Wheeling, W. Va., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Original application December 22, 1934, Serial No. 758,837. Divided and this application April 20, 1936, Serial No. 75,445
4 Claims. (Cl. 215—46)



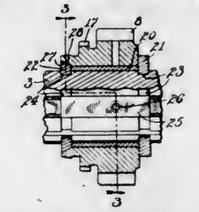
1. A metal closure including a top and a depending skirt, means associated with the skirt for locking the closure on a container by rotation, two widely spaced knobs projecting upwardly from said top, said knobs being so shaped as to present small areas to an opening implement inserted between them, and the metal forming the walls of said knobs being of such thinness that the opening implement under pressure will form anti-displacement means in the small areas presented.

2,066,482

TRANSMISSION

William B. Osborne, Muncie, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application November 19, 1934, Serial No. 753,563
1 Claim. (Cl. 308—161)



In a transmission, a shaft, a gear rotatably mounted on said shaft and having a tapered bearing surface, an abutment ring axially fixed on said shaft to prevent said gear from moving in one direction, said ring having a tapered bearing surface for cooperating with the tapered bearing surface of said gear.

2,066,483

BICYCLE TIRE BEAD WIRES AND METHOD FOR THEIR MANUFACTURE

Charles Pearson, Ingersoll, Ontario, Canada, assignor to Morrow Screw and Nut Company Limited, Ingersoll, Ontario, Canada, a company of Ontario, Canada

Application April 18, 1935, Serial No. 17,147
In Canada May 22, 1934
2 Claims. (Cl. 245—1.5)

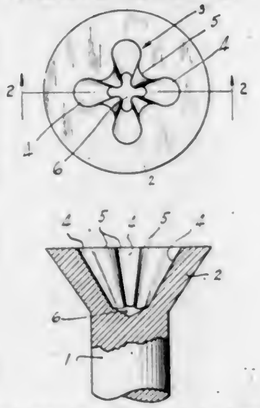
1. A method of forming a joint for the ends of bicycle tire bead wire loops wherein the wire thereof is of circular cross-section consisting in roll threading the ends of the wire loop whereby the diameter of such ends is increased with respect to the unthreaded portion around their entire cross-sectional circumferences which are retained in circular form, bringing the ends of the loop into abutting relation to each other, applying a nipple of circular cross-section both

exteriorly and interiorly over such ends and by a die constricting the diameter of the nipple around its entire circumference so that the material thereof is forced into the spaces between the threads of the loop ends and caused to extend



beyond the threaded ends to surround the adjacent unthreaded portions of the wire loop which are of lesser diameter than the threaded ends, said constricted nipple retaining its circular cross-sectional form.

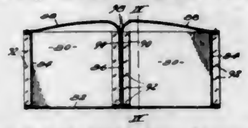
2,066,484
SCREW
Henry F. Phillips, Portland, Oreg., assignor to Phillips Screw Company, Wilmington, Del.
Application January 15, 1935, Serial No. 1,945
4 Claims. (Cl. 85—45)



1. A screw having a head, a tool receiving recess formed in said head, said recess comprising a bottom wall, convex side walls merging with concave and radially extending tool receiving grooves, said side walls and grooves being of equal width and tapering uniformly toward the bottom wall of said recess.

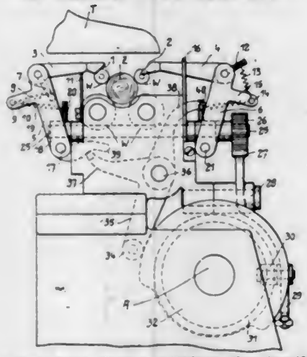
2,066,485
PACKING CARTON
Frederick W. Quackenboss, Kansas City, Mo.
Original application November 12, 1932, Serial No. 642,383. Divided and this application November 26, 1934, Serial No. 754,808
1 Claim. (Cl. 229—15)

A packing carton comprising a hollow body formed of fiber board and having a bottom, opposed longitudinal side walls and end walls, said end walls each having laterally extending flanges at the edges thereof, a pair of sheet members each having flanges extending laterally from one face thereof across one end thereof and along a portion of the length of the longitudinal edges from the flanged ends, and means extending through the flanges of said sheet members and the bottom and side walls respectively of the carton for holding the flanged portions of the sheets in superimposed, back-to-back position and within the hollow body to form a transverse partition therein, said sheet members having the free ends thereof secured to



one of the laterally extending flanges of the respective proximal end walls when the carton is closed, said portion of each of said sheet members, between the flange portion thereof and the free end, being longer than the distance from the partition to the end of the carton to which it is attached whereby to be maintained in an arched condition above the plane of the upper edges of said side and end walls.

2,066,486
APPARATUS FOR APPLYING WRAPPERS TO FILLERS
Konstantin Friedrich Röber, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany
Application November 9, 1934, Serial No. 752,321
In Germany November 20, 1933
18 Claims. (Cl. 131—45)

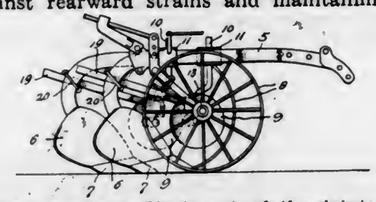


1. An apparatus for applying the trailing edge of a wrapper to a cigar filler comprising a roller nest, means for applying a wrapper to a filler in said nest and means for guiding the trailing edge of said wrapper about the head of said filler, said last named means also smoothing the trailing edge of said wrapper prior to its application.

2,066,487
DISK-JOINTER ATTACHMENT FOR PLOWS
Gottlieb Schlensker, Inglefield, Ind.
Application May 9, 1936, Serial No. 78,910
2 Claims. (Cl. 97—211)

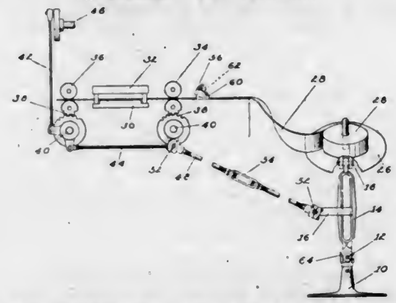
1. A disk jointer attachment for plows including a vertical standard, means for attaching the upper end of the standard to the beam of a plow for rotary and vertical adjustment relative to said beam, a socket member rotatably adjustable relative to and mounted on the lower end of said standard, a stub shaft rigid with and extending laterally from said socket member, a jointer disk journaled on said stub shaft, and

a brace bar having one end engaged in said socket and adapted to be secured at its other end to the plow beam for bracing the standard against rearward strains and maintaining the



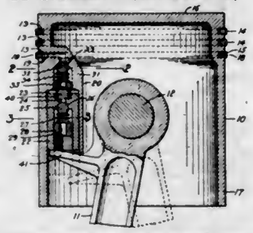
desired angular adjustment of the jointer disk relative to the path of travel of the plow, said socket member being open at the rear and having means to secure the adjacent end of said brace bar therein.

2,066,488
UNWINDING MACHINE
Joseph M. Schmied, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application August 26, 1935, Serial No. 37,818
12 Claims. (Cl. 242—55)



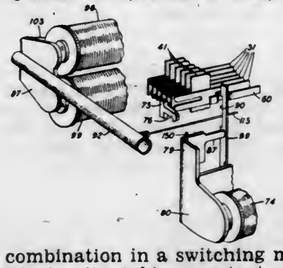
1. An unwinding machine for intermittent feeds, including a base, an upright rockingly mounted on the base, a support rotatably mounted on the upright, means for angularly adjusting the support with respect to the upright, and means for rocking the upright.

2,066,489
PISTON OIL PUMP
S. Q. Shannon, Los Angeles, Calif.
Application September 17, 1935, Serial No. 40,870
11 Claims. (Cl. 309—8)



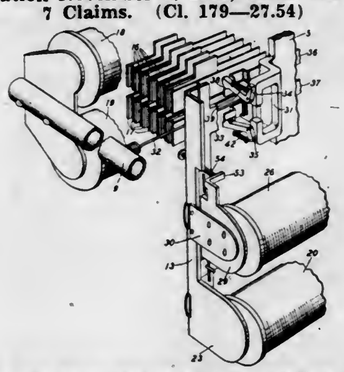
1. In a piston, piston pin and connecting rod assembly operable within a cylinder, an oil pump embodied with said piston having valves, a reciprocatable plunger adapted to be reciprocated by the connecting rod to withdraw oil from the contact surface of the piston with the cylinder walls, and means for discharging oil away from said contact surface.

2,066,490
SWITCH
Paul Weidner Sheatsley, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 8, 1935, Serial No. 48,905
8 Claims. (Cl. 179—27.54)



1. The combination in a switching mechanism of a set of circuit making contacts, operating bars, means responsive to the conjoint action of two of said bars for operating said contact set, holding means for maintaining said contact set in operated condition following the release of said bars, and means for operating one of said bars to effect the release of said contact set.

2,066,491
SWITCH
Paul Weidner Sheatsley, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 8, 1935, Serial No. 48,906
7 Claims. (Cl. 179—27.54)



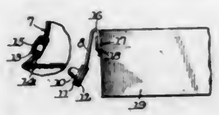
1. In an automatic switch, operating bars, a set of normally open circuit-making contacts arranged to maintain their closed position independently of said bars, and contact controlling mechanism responsive to the movement of a plurality of said bars for closing said contacts and also responsive to the movement of said plurality of bars for opening said contacts.

2,066,492
PRODUCTION OR TREATMENT OF ARTIFICIAL FILAMENTS OR THE LIKE
Percy Frederick Combe Sowter, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 17, 1933, Serial No. 676,326. In Great Britain July 4, 1932
8 Claims. (Cl. 8—20)

1. Process for the treatment of stretched artificial filaments, threads, yarns, ribbons and the like containing organic derivatives of cellulose

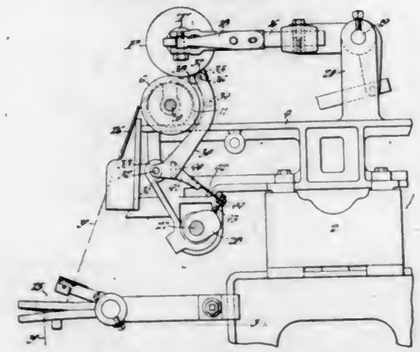
and fabrics containing the same to improve their resistance to creasing, which comprises treating them with a medium comprising a swelling agent under such conditions that only the micelles of the outer layers are acted upon and disarranged by said agent and the artificial filaments, threads, yarns, ribbons and the like are prevented from adhering to one another.

2,066,493
DETACHABLE SWEAT BAND
Gustave A. Sporre, St. Charles, Ill., assignor to Jesse B. Hawley, Geneva, Ill.
Application February 4, 1935, Serial No. 4,865
2 Claims. (Cl. 2—181)



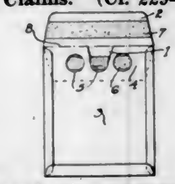
1. In a hat, a sweat band, connecting elements, means for pivotally connecting said elements to said band at spaced points, snap lugs, means for pivotally connecting said lugs to said elements, snap sockets connected to said hat at corresponding points to said elements, said elements extending upwardly from the sockets and being bent downwardly for connection to the sweat band.

2,066,494
WINDING MACHINE
Ernest R. Swanson, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application March 26, 1934, Serial No. 717,468
8 Claims. (Cl. 242—18)



1. In a winding machine, the combination of a frame, a rotatable cop-holder, a roll for rotating the cop-holder by contact with the yarn wound thereon, means for traversing yarn longitudinally of the cop-holder to wind a package, means for supporting the cop-holder from the frame to adapt it to recede from the roll during the increase in diameter of the package, a brake mounted on the frame to adapt it to move independently of the movement of the cop-holder to engage with the surface of the package being wound to retard the rotation of the latter, and means for actuating the brake at intervals continuously during the winding of each package to interrupt the synchronism between the rotation of the package and the traverse of the yarn.

2,066,495
ENVELOPE
Willard E. Swift, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application July 17, 1935, Serial No. 31,849
10 Claims. (Cl. 229—80)



1. An envelope having correspondingly shaped areas of its seal flap and body coated with a dry-sealing adhesive, with an apertured portion of the envelope body disposed between said adhesive areas to maintain said adhesive areas out of engagement.

2,066,496
HYDROGENATION AND DEHYDROGENATION
Marion D. Taylor, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 29, 1935, Serial No. 18,884
22 Claims. (Cl. 260—134)

1. A process for effecting the catalytic hydrogenation and dehydrogenation of organic compounds which comprises heating an unsaturated compound possessing an olefinic linkage between two aliphatic carbon atoms with an alcohol containing at least one non-tertiary carbinol group, in the presence of a hydrogenation catalyst at an elevated temperature not substantially greater than about 500° C.

2,066,497
ART OF DECORATING GLASS
George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 2, 1933, Serial No. 674,067
4 Claims. (Cl. 41—36)

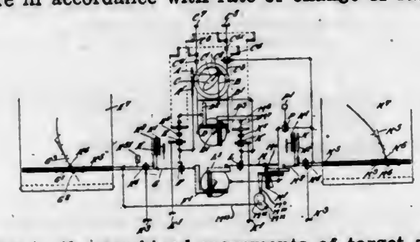


1. In the art of decorating, the process consisting of depositing a film of colored synthetic resin upon a sheet of glass, and then heating the glass and film to convert the resin to the insoluble and infusible stage to permanently bond the film to the glass.

2,066,498
GUNFIRE CONTROL APPARATUS
John Percival Watson, Broadway, Westminster, England, assignor to Vickers-Armstrongs Limited, Westminster, England, a British company
Application June 14, 1932, Serial No. 617,071
In Great Britain June 20, 1931
16 Claims. (Cl. 235—61.5)

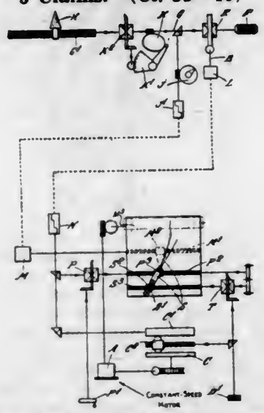
9. For use in gunfire control apparatus on a ship or other moving platform, a device comprising a range rate indicator which indicates a curve of ascertained rate of change of range due to the combined movements of a target ship and of own ship, a bearing rate indicator which indicates a curve of ascertained rate of change of

bearing due to the combined movements of a target ship and of own ship, an analyzer which is adjusted in accordance with own ship course and speed, a range element co-operating with the range rate indicator and actuated by said analyzer in accordance with rate of change of range due to own ship's movements, a bearing element co-operating with the bearing rate indicator and actuated by said analyzer in accordance with rate of change of bearing due to own ship's movement, means to apply additional movements to the range element to bring it into tangential relationship with the range curve so that the total movements of said range element are in accordance with rate of change of range



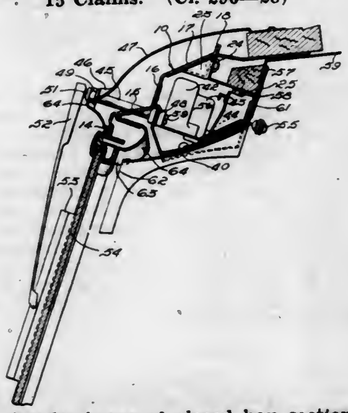
due to the combined movements of target ship and own ship, means to apply additional movements to the bearing element to bring it into tangential relationship with the bearing curve so that the total movements of said bearing element are in accordance with rate of change of bearing due to the combined movements of target ship and own ship, a target range rate indicator member adjusted so that it indicates target speed by the means for applying additional movements to the range element, and a target bearing range indicating member adjusted so that it indicates target bearing by the means for applying additional movements to the bearing element.

2,066,499
RANGE FINDING DEVICE
John Percival Watson, Westminster, England, assignor to Vickers-Armstrongs Limited, Westminster, England, a British company
Application March 2, 1933, Serial No. 659,342
In Great Britain March 14, 1932
3 Claims. (Cl. 33—46)



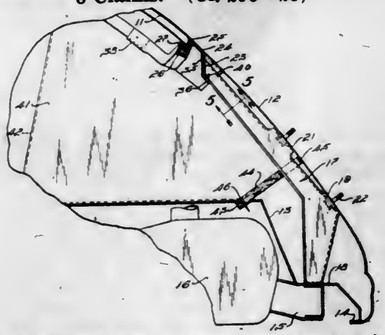
1. A range finding device for ascertaining the range of rapidly moving objects such as aeroplanes, comprising a range screw, a shaft for operating the range screw, a working head adjustable by the range finding operator, a member moving in accordance with the ascertained change of range, means for operating said shaft in accordance with the algebraic sum of the movements of said working head and said member, a motor for operating said member, a transmitter operated by said shaft, and a control apparatus comprising a range keeping element said apparatus including a transmitter for controlling said motor and operated by said element, a second motor controlled by the first transmitter, range indicating means operated by said second motor controlled by the first-mentioned transmitter, and means for adjusting said element according to the indications of said range indicating means to thereby control the operation of said second transmitter.

2,066,500
VEHICLE HEADER CONSTRUCTION
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 17, 1933, Serial No. 661,240
15 Claims. (Cl. 296—28)



1. A header brace of closed box section construction for enclosing a windshield wiper motor, a panel encompassing the outer portion of the box section structure, spaced pillars secured to and supporting said panel and an inner panel forming a finish to the inner portion.

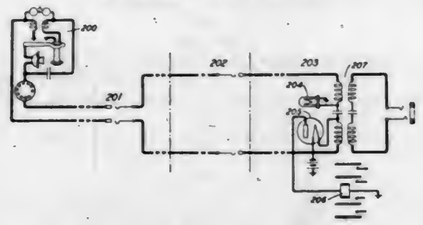
2,066,501
DECK SUPPORT AND TROUGH
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America
Application November 9, 1934, Serial No. 752,191
8 Claims. (Cl. 296—28)



1. A vehicle body having an opening in the panel, a door for said opening, a channel element

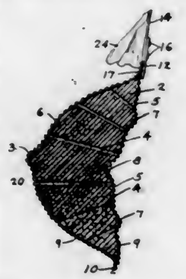
matable with the marginal edge of said opening in a position to receive the edge of said door, said channel having an extending flange a portion of which mates with said panel, and another portion of which is deflected therefrom, and a bracing element engaging said deflected portion.

2,066,502
TELEPHONE SYSTEM
Wiley Whitney, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1935, Serial No. 43,129
4 Claims. (Cl. 179—51)



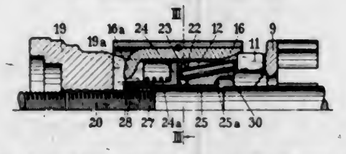
1. In a telephone system, a trunk line, a supervisory relay, a central office battery connected across said line, a ballast resistance having a positive temperature-resistance characteristic connected in series between one pole of said battery and one side of the line, a thermionic tube comprising an anode and a filament, said filament having a positive temperature-resistance characteristic equivalent to the characteristic of said ballast resistance, and connected in series between the other pole of said battery and the line, and a plate circuit for said tube including said anode and supervisory relay.

2,066,503
BREAST ADAPTER
Blanche E. Wiggers, Baltimore, Md.
Application September 24, 1935, Serial No. 41,928
2 Claims. (Cl. 2—267)



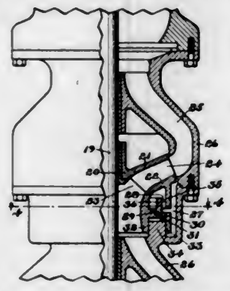
1. An adapter for filling-in bodily depressions caused by the removal of female breast and pectoral muscles, comprising in combination, a false breast member of soft flexible non-absorbent material having a plurality of non-obstructed radial passages therethrough and an interior concaved bell space on its under side, said bell space being connected with the said passages, the member being adapted to cover the depression caused by the removal of breast bodily structure and rest softly on the periphery thereof, an envelope of fabric material arranged to receive and hold said member and adjustably position the same, and a depression insert of quasi-triangular form of fabric provided with a plurality of frills superimposed above one another and attached to the said envelope and arranged to position itself in and over the depression caused by the removal of the pectoral muscle structure incidental to the breast structure removal, and means for holding and positioning the insert and member, in predetermined location on the body structure.

2,066,504
COASTER BRAKE
Franz Winkler, Wurzburg, Germany
Application March 18, 1936, Serial No. 69,439
In Germany March 22, 1935
5 Claims. (Cl. 192—6)



1. In a coaster brake for free-wheel hubs in bicycles, the combination with an axle, of a stationary brake-expanding cone, an expansible brake sleeve attached with its one end to said cone, a movable brake-expanding cone displaceable in the other end of the brake sleeve, clutch means adapted to keep, when engaged, the movable cone against rotation, clutch-controlling pins displaceable in longitudinal holes of the movable cone, and means shifting the pins to and fro.

2,066,505
MEANS FOR EXCLUDING ABRASIVE CARRYING LIQUID FROM BEARINGS AND JOINTS
John Arthur Wolfe, Huntington Park, Calif., assignor to Michael Edward Walters, Huntington Park, Calif.
Application August 31, 1935, Serial No. 38,768
13 Claims. (Cl. 103—111)

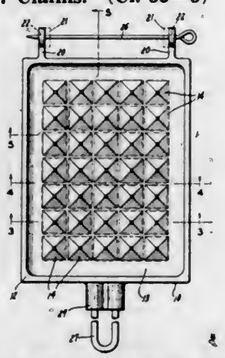


1. In a device for excluding abrasive carrying liquid from entering a joint formed between relatively rotatable members, means rotatable with one of said members and forming a second joint with the other of said members which is communicative with said first joint, said means having a chamber formed therein for centrifugally separating the abrasives from the liquid entering thereinto, means forming communication between said separating chamber and said second joint, within which the clean liquid from said separating chamber is acted upon and forced into and through said second joint for excluding the passage of abrasive laden liquid therethrough and into said first joint.

2,066,506
FUEL
Clifford A. Woodbury, Media, Pa., and Walter E. Lawson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 13, 1932, Serial No. 637,670
4 Claims. (Cl. 44—9)

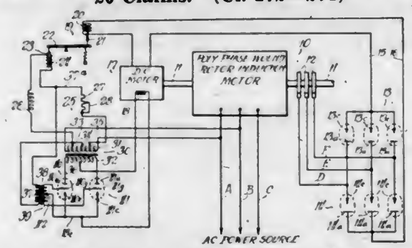
2. A compression ignition engine fuel comprising a high boiling fuel oil containing monoethyl ether of glycerol dinitrate.

2,066,507
COMBINED TOASTER AND GRILL
William T. Yost, Cleveland, Ohio, assignor to The Kit-Ap Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 28, 1936, Serial No. 66,154
7 Claims. (Cl. 53—5)



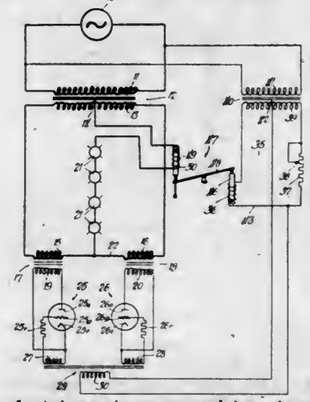
1. In a grill, a pair of coacting plate members, each having a plurality of regular rectangular pyramid projections contiguous in two directions, a hinge connection between said members, and the vertexes of the projections of one member lying opposite the base corners of the projections of the other member when said members are moved into juxtaposition about said hinge connection.

2,066,508
ELECTRICAL CONTROL SYSTEM
Hugh E. Young, Chicago, Ill.
Application March 25, 1936, Serial No. 70,758
20 Claims. (Cl. 172—274)



7. An electrical control system for a wound rotor induction motor comprising, in combination, a direct current motor, means associated with said direct current motor for utilizing the output thereof, circuit means interconnecting the rotor of said induction motor and said direct current motor, rectifying means interposed in said circuit means in such manner as to cause the flow of direct current therein, a field winding in said direct current motor, electric valve rectifying means connected to effect the energization of said field winding, control electrode means in said valve means, phase shift means connected to control the energization of said electrode means, and regulating means operable in accordance with a variable characteristic of said circuit means for adjusting said phase shift means to advance or retard the time when said electrode means is energized, whereby the excitation of said field winding is varied.

2,066,509
RECTIFYING SYSTEM
Hugh E. Young, Chicago, Ill.
Application April 9, 1936, Serial No. 73,414
8 Claims. (Cl. 175—363)

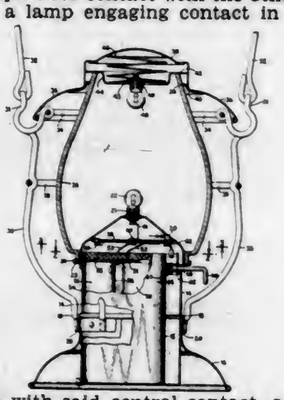


6. An electric system comprising, in combination, a circuit means for connecting one terminal of a load circuit to a connection substantially mid-way between the terminals of an alternating current source, a pair of impedance devices, each having a primary and a secondary winding, said primary windings being disposed to be connected in series circuit relation across said alternating current source and the common connection being connected to the other terminal of said load circuit, a uni-directional conducting electric valve connected across each of said secondary windings to permit the flow therethrough only of alternate half cycles of the alternating current whereby the impedances of said primary windings are decreased during said alternate half cycles to permit the flow of direct current in said load circuit, a control electrode in each of said valves, phase shift means disposed to be energized from said alternating current source, and means for connecting said control electrodes for energization to said phase shift means.

2,066,510
ELECTRIC HAND LANTERN
George W. Younkman, Brooklyn, N. Y., and Roy L. Darling, Jersey City, N. J., assignors to Bond Electric Corporation, Jersey City, N. J., a corporation of Delaware
Application March 23, 1933, Serial No. 662,214
2 Claims. (Cl. 240—10.63)

2. In an electric hand lantern having a base formed axially with an opening in its top, a cap for a transparent envelope and means to support the cap from the base, the combination of a cup shaped battery container formed with a bead and supported by the bead in the opening in the base, a frustoconical top for the container of conductive material formed with a channel shaped rim for the transparent envelope, a lamp socket at the apex of the top and in electrical connection

therewith, a disc like support of non-conductive material secured within the top, an annular contact secured to the bottom of the support for contact with a battery terminal, a contact centrally of the support for contact with the other battery terminal, a lamp engaging contact in electrical



connection with said central contact, a resilient contact finger in electrical connection with the top and movable into engagement with the annular contact, a cam and means to move the cam into contact with the resilient contact finger to deflect it into contact with the annular contact.

2,066,511

WIRING DEVICE

Herbert G. Arlt, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 20, 1935, Serial No. 32,353
1 Claim. (Cl. 175—298)



A multiple wiring device comprising an insulating support, a plurality of conductive members sprayed on one side of said insulating support in accordance with a predetermined layout the direction of certain of said conductive members for a part of their length being such with respect to the direction of certain of the others of said conductive members for a part of their length that the paths of said first-mentioned conductive members intersect the paths of said last-mentioned conductive members, and means for preventing electrical contact between said conductive members at the points of intersection of said paths, said means comprising a conductive member sprayed on the other side of said insulating support and means extending through said insulating support for electrically connecting the conductive member sprayed on said other side of said support to certain of the conductive members sprayed on the first-mentioned side of said support.

2,066,512

ALLOY

Robert S. Archer, Evanston, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

No Drawing. Application October 17, 1934, Serial No. 748,693
7 Claims. (Cl. 75—153)

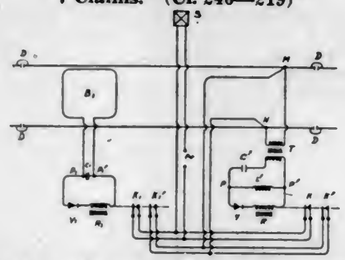
3. An alloy composed of phosphorus up to 1.67%, iron up to 5% and the balance copper, the phosphorus and iron constituting essential ingredients of said alloy and each being present in at least useful amounts.

2,066,513

REMOTE CONTROL AND SIGNALING SYSTEM FOR RAILWAY INSTALLATIONS

André Becq and Paul Nicolas, Paris, France, assignors to Societe Française Radio Electrique, a corporation of France

Application January 18, 1936, Serial No. 59,684
In France February 19, 1935
7 Claims. (Cl. 246—219)



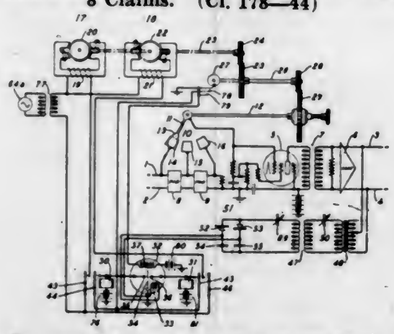
1. In a remote control system for railway installations, means for effecting a remote control action in advance of a vehicle travelling on the railway track and controlled from said vehicle, comprising means on the vehicle arranged to cooperate with means disposed on the track, said means on said vehicle comprising a source of alternating current and means for inducing electric current in the rails of said track, and said means disposed on said track comprising a first relay arranged to operate in accordance with the intensity of said electric current induced in said track, there being a voltage produced between the rails remotely from said vehicle by circulation of said electric current in said rails, a second relay arranged to operate in accordance with the voltage due to said electric current between the rails of said track, and means connected to be controlled upon operation of either of said relays to effect said control action.

2,066,514

GAIN CONTROL CIRCUITS

Jesse W. Beyer, Rutherford, N. J., and Donald M. Terry, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 23, 1936, Serial No. 76,020
8 Claims. (Cl. 178—44)



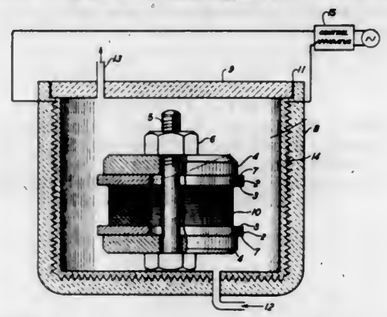
1. In combination, a signal transmission line, an amplifier on said line, a relay having a contact arm held in operative position upon operation thereof, means comprising a control circuit connected to the line for operating said relay according to the strength of a pilot current on the line, and means controlled by said relay when operated upon change in the strength of the pilot current on the line for controlling the gain of said amplifier and for returning the relay contact arm to initial position.

2,066,515

METHOD OF HEAT TREATING MAGNETIC MATERIALS

Walter M. Bishop, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 6, 1934, Serial No. 733,956
1 Claim. (Cl. 148—13)



A method of manufacturing a magnetic core composed of a considerable number of laminations of highly strain sensitive magnetic material less than 0.003 inch in thickness which comprises stacking a sufficient number of completely formed laminations together to form a complete magnetic core, forcibly clamping said completely assembled core between flat smooth-faced blocks of material having the same coefficient of expansion with temperature as the laminations, heat treating and cooling said core while so clamped to increase the permeability of the material of said core.

2,066,516

PACKAGE AND METHOD OF PRODUCING THE SAME

Kenly C. Bugg, Farmington, Mo.

Application April 14, 1933, Serial No. 666,157
3 Claims. (Cl. 91—68)



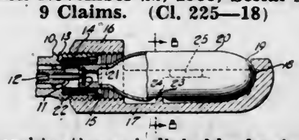
1. The method of preparing an article including dipping the article in a wetting agent to produce a continuous film thereof surrounding the article, then while the said film is liquid and in place dipping the article in a body of melted wax-like material of a temperature insufficient to evaporate the liquid film, removing the article and permitting the hardening of such material as attaches to the article to form a protective seal entirely surrounding the article spaced therefrom and which can be removed readily when the article is to be used.

2,066,517

METALLIC BULB AND HOLDER

Robert Hunter Campbell, Upper Edmonton, London, England, assignor to Sparklets, Limited, London, England, a corporation of Great Britain

Application November 22, 1935, Serial No. 51,037
9 Claims. (Cl. 225—18)



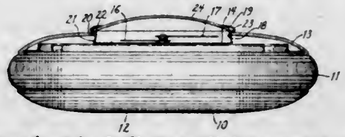
9. In combination, a bulb holder having an open side and a seat at one end and a threaded nut at the other, a bulb removably positioned therein and having a reduced neck at one end lying within said nut, the open side of the holder being arranged to permit the insertion and removal of the bulb to and from the holder, the holder having an internal projection engaging in and cooperating with a depression provided in the bulb.

2,066,518

TIMEPIECE

Elof L. Carlson, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut

Application June 8, 1936, Serial No. 84,118
1 Claim. (Cl. 58—88)



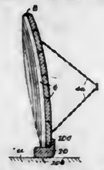
A timepiece including: a dial having a ring of time-indicating indicia thereon of considerably less extent than the size of the face of the timepiece; a removable cover-plate having an aperture of considerably less size than the said cover-plate with the general plane of the interior surface of the portion of the cover-plate adjacent said aperture spaced substantially from said dial; a bezel-ring having a stop-flange overlying the exterior surface of said cover-plate adjacent said aperture, the bezel-ring also having a tubular skirt extending through the aperture in said cover-plate to a location adjacent said dial and flared outwardly and engaged with said cover-plate to retain the bezel-ring in place; and a crystal mounted in said bezel-ring.

2,066,519

TRAWL BOARD AND THE LIKE

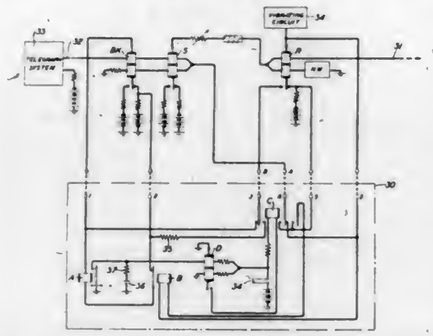
Ephraim C. S. Clark, Newburyport, Mass., assignor to The Linen Thread Co., Inc., Paterson, N. J., a corporation of New Jersey

Application April 2, 1935, Serial No. 14,244
11 Claims. (Cl. 43—9)



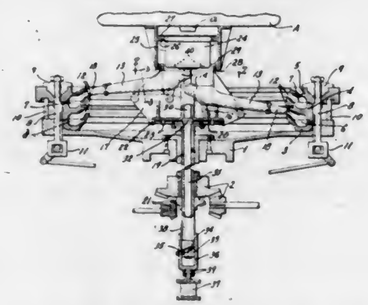
1. A trawl board adapted to stand upright and having one face thereof conforming to a salient bend in substantially any of horizontal planes cutting the board and having the portions of said face at opposite sides of a vertical central plane through the board reverse substantial counterparts of each other.

2,066,520
TELEGRAPH REPEATER
Walter W. Cramer, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 17, 1935, Serial No. 36,614
7 Claims. (Cl. 178—69)



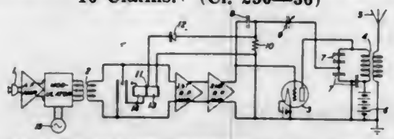
7. In combination, an electrical impulse repeater for repeating impulses between two circuits and a protection unit comprising a polarized relay, a condenser circuit therefor for accurately timing the release of said polarized relay, switch relays for controlling said polarized relay and an operative connection between said repeater and said protection unit whereby said protection unit prevents the transmission of momentary impulses from one of said circuits to the other of said circuits during the transmission of signal impulses from said other circuit to said first circuit, but permits the transmission of long break signals between said circuits at all times.

2,066,521
CENTRIFUGAL CASTING MACHINE
Karl F. Dailey, Cleveland, Ohio
Application February 17, 1934, Serial No. 711,801
14 Claims. (Cl. 22—65)



1. In a casting machine of the class described and having ladle means and a plurality of rotatably mounted spouts arranged to simultaneously receive delivery therefrom, said ladle means having a corresponding plurality of outlets for the purpose, means for equalizing the rate of delivery among said spouts and comprising means providing for adjustment of said ladle means about an axis and relative to said spouts and during spout rotation.

2,066,522
PROTECTIVE SYSTEM AND METHOD
William H. Doherty, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1934, Serial No. 758,171
10 Claims. (Cl. 250—36)



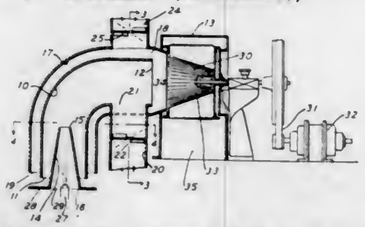
1. A radio system comprising an oscillator for supplying said system with sustained oscillations, a power amplifier, input and output circuits connected thereto, an impedance element connected to each of said circuits and means responsive to an unbalance of the potentials across said element for removing said oscillator from said system.

2,066,523
VALVE STRUCTURE
William M. Ewart, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 20, 1936, Serial No. 80,737
1 Claim. (Cl. 251—27)



In a needle valve, a body portion comprising a pair of plates secured together by means of tightly interfitting slots extending from opposite edges thereof, said plates having recesses in their edges opposite the edges through which said slots open and the open ends of said slots being enlarged and there being offset structure in each of said recesses, the open end of each of said slots being adjacent one of said recesses in the assembly, and a separately formed tip element in each of said recesses and the adjacent enlarged slot portion, said tip elements being undercut to receive said offset structure to secure together said body portion and said tip elements.

2,066,524
UNIT HEATER FOR HOT GASES
Charles L. Gehnrich, Elmhurst, N. Y.
Application March 23, 1935, Serial No. 12,590
2 Claims. (Cl. 126—110)



1. A heater for delivering hot gases, comprising a duct having an air intake end open to the atmosphere, an open ended combustion chamber having walls of non-refractory material located in the open end of said duct and spaced from the sides thereof with its outer end projecting beyond said duct and a baffle projecting radially outward from said outer end to protect the

flame from the draft of air entering said duct, a burner adapted to direct a flame into the open outer end of said combustion chamber for heating the walls thereof, a casing around and spaced from said duct to form an air passage therearound, a mixing chamber communicating with said duct and said casing and suction means associated with said mixing chamber adapted to draw air through said duct and over the walls of said combustion chamber for extracting heat therefrom, to draw air through said casing for extracting heat from the walls of said duct, and to draw combustion gases through the open inner end of said combustion chamber into said duct wherein the gases are mixed with the heated air.

2,066,525
CONDUCTOR
John J. Gilbert, Douglaston, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 29, 1929, Serial No. 350,839
3 Claims. (Cl. 173—13)



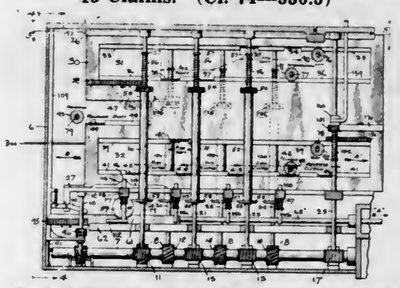
1. A composite submarine cable conductor composed of several discrete conductors insulated from one another throughout the major portion of their length and so interrelated that each discrete conductor in passing along its length occupies successively different radial positions from the approximate center to the approximate external surface of said composite conductor but on the average lies at about the same radial distance from the center as any other discrete conductor for the purpose of preventing an increase in the effective alternating current resistance as the frequency increases, characterized in this, that at intervals the discrete conductors are in good conductive connection with each other.

2,066,526
KEY CARRIER
William D. Gladstone, New York, N. Y.
Application January 8, 1936, Serial No. 58,061
2 Claims. (Cl. 150—40)



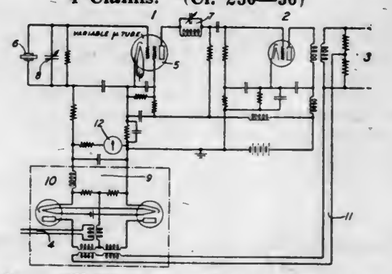
1. In a key carrier, in combination, a key container, and a permanently endless flexible key-suspending member folded in doubled form to have a fold bight at each end of a double stretch of said doubled flexible member, said double stretch passing through an aperture of said key container and then passing through one of said fold bights in noose form, said double stretch being adapted to pass through a hole in each of a plurality of successive keys and then to pass through the other said fold bight adjacent to the terminal one of said keys in noose form, whereby said key-suspending member is detachably attached to said key whereby a key carried by the free fold bight will be spaced from keys carried by said double fold carrier and to said keys.

2,066,527
GEAR SHIFTING APPARATUS
Joseph Grisenti, San Francisco, Calif., assignor to Angelina Grisenti, San Francisco, Calif.
Application September 6, 1933, Serial No. 688,313
45 Claims. (Cl. 74—336.5)



2. In combination with an automotive vehicle having an engine, a selective speed transmission, and wheel propelling shaft therein, of means related to said transmission to automatically select speeds thereof in direct ratio to the speed of the wheel propelling shaft, comprising, individual speed selecting members operatively related to each different change speed gear in the transmission; a single reciprocatable block progressively and directly engageable with any one selected speed selecting member at a time; means driven by the engine to reciprocate said block progressively in a forward or rearward direction in relation to said speed selecting members; and means driven by the vehicle propelling shaft to control but not to accomplish the engagement and disengagement of the block driving means with the block to effect the speed selection in the transmission according to the speed of the wheel propelling shaft.

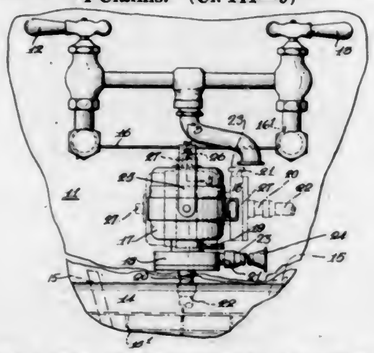
2,066,528
SYNCHRONOUS CONTROL OF OSCILLATORS
Augustus E. Harper, Rockville Centre, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,749
4 Claims. (Cl. 250—36)



1. An oscillation generating system comprising in combination, an electric discharge device

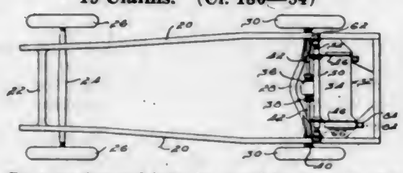
having an anode, a cathode and a controlling electrode and which is characterized by having a mutual conductance, hence a capacitance between cathode and controlling electrode, which is a function of the potential impressed between said cathode and controlling electrode, feedback means connected to said device for producing oscillations, a resonant frequency determining circuit comprising the effective condenser constituted by the cathode and controlling electrode of said device, the capacitance of which varies, as recited, with the variations of potential impressed therebetween, and means impressing a variable potential between said cathode and controlling electrode to correspondingly vary said capacitance and hence the frequency of the generated oscillations.

2,066,529
DISHWASHING DEVICE
Robert Hetherington, Sharon Hill, Pa., assignor to Devices, Inc., a corporation of Pennsylvania
Application March 28, 1931, Serial No. 525,938
4 Claims. (Cl. 141—9)



2. In a dish washing unit for a sink having two faucets, a motor-driven pump, a supporting frame for the pump adapted to be attached to the faucets and a supporting bracket rigid with the frame and pivotally carrying the pump.

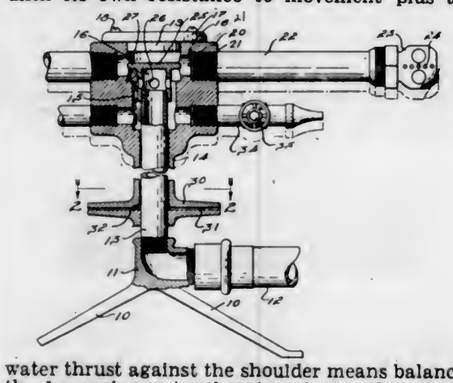
2,066,530
MOTOR VEHICLE
Roscoe C. Hoffman, Detroit, Mich.
Application December 1, 1932, Serial No. 645,219
19 Claims. (Cl. 180—54)



1. In a motor vehicle, in combination, a chassis frame including side rails, an engine disposed between said side rails, and means including a shaft and an enclosing tube yieldably secured together against relative rotation forming substantially the sole means of supporting said engine on said frame and limiting its rotation about the axis of said shaft.

2,066,531
SPRINKLER
Fenn M. Holden, Pontiac, Mich.
Application March 23, 1934, Serial No. 716,975
17 Claims. (Cl. 299—69)

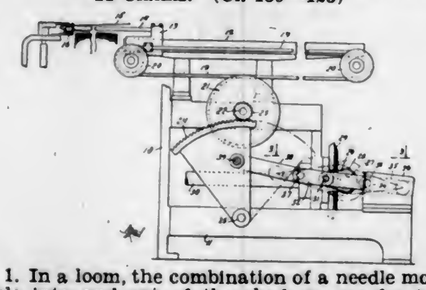
5. A rotary sprinkler comprising a tubular element adapted to be connected to a water pressure line and having an outlet at its other end, a rotary sprinkler housing slidably receiving said end of the element and having sprinkler outlets, an end wall on the housing beyond the outlet on the element, means on the end of the element and cooperating with a portion of the housing for throttling the flow of water through the sprinkler outlets and varying the amount of water pressure on the end wall as the housing slides on the element and decreasing the pressure on the end wall as the housing moves outwardly, and unbalanced shoulder means on the housing and exposed constantly to the water line pressure for effecting a water pressure thrust in the opposite direction, the housing being outwardly moved until its own resistance to movement plus the



water thrust against the shoulder means balances the decreasing water thrust against said end wall.

12. A sprinkler comprising an upwardly projecting tubular element, means connecting the lower end of the element to a source of water supply, a hollow sprinkler housing rotatable on the element in water bearing relation thereto and receiving the upper end of the element and having a water communication therewith and also having a downwardly projecting tubular portion open at its lower end and which receives the element, sprinkler outlets on the housing and communicating with the interior of the latter, and means on the lower and open end of the tubular portion for causing water leaking between the element and tubular portion to be thrown away from the sprinkler.

2,066,532
LOOM
William D. Kellogg and John Fradenburgh, Amsterdam, N. Y., assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application March 18, 1936, Serial No. 69,446
11 Claims. (Cl. 139—123)



1. In a loom, the combination of a needle movable into and out of the shed, means for imparting to the needle a reciprocating movement

with a retardation at at least one end of its path of travel, said means including a constantly and uniformly rotating power arm, a member connected between its ends to the arm and having one end constrained to move along a rectilinear path, and a connection between the other end of the member and the needle.

2,066,533
HYDROGENATION PROCESS FOR PRODUCING HYDROXY ACIDS AND LACTONES
Wilbur A. Lazier, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 22, 1933, Serial No. 690,569
24 Claims. (Cl. 260—112)

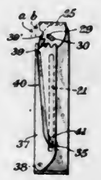
1. A process of producing hydroxy acids and lactones which comprises reacting hydrogen and a compound of the type:

$$R(\overset{O}{\overset{\|}{C}}OX)_n$$

in which n is a number greater than 1, where R is a non-aromatic radical which contains at least one carbon atom per carboxyl group, the carboxyl groups being joined to different carbon atoms in R by carbon-carbon bonds, and where X is a radical of the group consisting of hydrogen and a hydrocarbon residue of an alcohol, under superatmospheric pressure at a temperature in excess of 200° C. in the presence of a hydrogenation catalyst, and stopping the reaction while a substantial portion of the carboxyl groups remains unreduced, then separating the hydroxy acids and lactones from the reaction product.

20. The process of claim 1 characterized in that "R" in the compound being treated is a hydroaromatic radical and the reaction is carried out at a temperature of 200° to 450° C.

2,066,534
HOLDER FOR COSMETICS OR THE LIKE
Alex Limbach, Carmel, N. Y.
Application August 28, 1934, Serial No. 741,764
16 Claims. (Cl. 206—56)

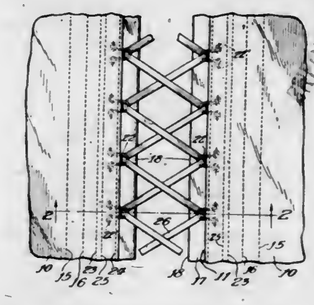


1. A holder for cosmetics or the like which comprises a casing having an opening in the end thereof, a member longitudinally movable in said casing, operating means for moving said member longitudinally in said casing, a cover adapted to be rocked within said casing into and away from position across said opening in said casing, means affording a change of axis of rotation of said cover during the rocking movement thereof, a lever having a fixed pivot, means responsive to movement of said operating means for moving said lever about its pivot, and means interposed between said lever and said cover for moving said cover into and away from position across said opening in said casing upon longitudinally moving said member in said casing.

2,066,535
FINGER-PRINT DETECTION
Francis F. Lucas, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 11, 1936, Serial No. 58,761
3 Claims. (Cl. 41—26)

2. The method of making detectable marks containing a fatty substance which are normally invisible in visible light, which comprises treating the marks with a fat fixative until the fatty substance is made permanent and treating the material containing the marks with an aqueous dye which fluoresces in ultra-violet light.

2,066,536
CORSET LACING CONSTRUCTION
Larkin J. Mead, Aurora, Ill., assignor to Aurora Corset Company, Aurora, Ill., a corporation of Illinois
Application November 29, 1935, Serial No. 52,130
1 Claim. (Cl. 2—39)

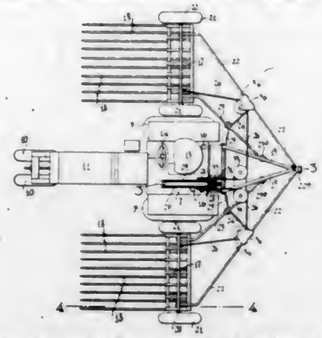


A corset lacing construction comprising a pair of corset body sections to be connected together, the fabric of each body section having an inturned edge, eye-carrying strips each comprising a folded piece of fabric having its longitudinal edges turned inwardly, with the lower of its folded edges protruding beyond the upper folded edge and eyes secured to said folded fabric between the upper and lower folds, each eye-carrying strip having its upper folded edge beneath and flush with the inturned edge of a body member, a row of stitches adjacent the inturned edge of the body member securing the underlying eye-carrying strip to said body with part of the eyes and the lower folded edge of the eye-carrying strip projecting beyond the body member, a fabric covered stiffening strip for each body member, a line of stitches connecting one edge of the stiffening strip directly to the under side of the corset body, a line of stitches connecting the other edge of the stiffening strip to the under side of the eye-carrying strip and the body member, and lacing connecting the eyes of the two body members.

2,066,537
TRACTOR SWEEP RAKE
Joseph E. Murphy, Minneapolis, Minn.
Application November 16, 1934, Serial No. 753,319
9 Claims. (Cl. 56—27)

1. The combination with a tractor having rear traction wheels, of a rear frame extension connected to the frame of said tractor, a wheel-equipped rake located at a side of said tractor with the axes of its supporting wheels substan-

tially in a vertical plane that includes the axis of said rear traction wheels, and oblique thrust-



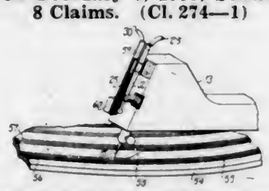
acting connections between said rake and rear frame extension.

2,066,538

SYNCHRONIZING SOUND REPRODUCING RECORD WITH DISPLAY DEVICE

Leroy G. Phelps, Hamden, Conn.

Application February 7, 1935, Serial No. 5,432
8 Claims. (Cl. 274—1)



1. In combination: a sound-reproducing device having a reproducing-arm and a needle; switch-mechanism adapted to be directly mechanically actuated by deflection of said needle; and a sound-reproducing record having a sound-reproducing groove adapted to be traversed by said needle and provided with one or more deflection-paths intermediate the length of said groove and adapted to directly mechanically deflect said needle and actuate said switch-mechanism.

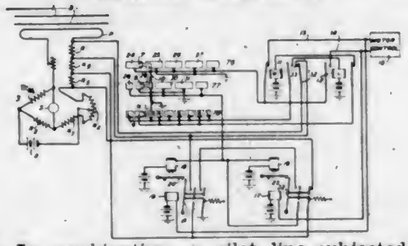
6. As an article of manufacture, a sound-reproducing record having a sound-reproducing groove designed and adapted to be traversed by a needle, said groove being provided with one or more deflection-paths intermediate the length of said groove and designed and adapted to deflect a needle to directly mechanically actuate switch-mechanism.

2,066,539

CONTROL CIRCUIT

Victor E. Rosene, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 30, 1935, Serial No. 4,014
14 Claims. (Cl. 178—44)



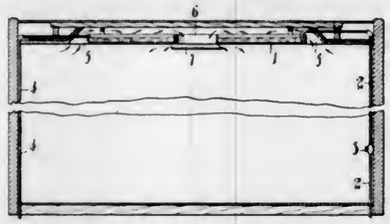
1. In combination, a pilot line subjected to resistance varying conditions, galvanometer mechanism, means for operating said mechanism according to the variations in resistance of said line, control means operated by said mechanism for governing the resistance of said line, and electrical means for compensating for the effect on said control means by the lag in the operation of said mechanism upon reversal in the operation thereof.

2,066,540

APPARATUS FOR FRESHENING AIR IN DWELLING ROOMS OR OTHER CHAMBERS

Robert Rutledge, Toronto, Ontario, Canada

Application July 26, 1934, Serial No. 737,019
5 Claims. (Cl. 261—119)



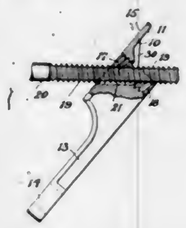
1. The combination with a chamber of a pan positioned in the chamber adjacent the top thereof and adapted to contain a shallow body of still water of extended surface area; means for maintaining a supply of fresh water in the pan; means for directing rising foul air inwardly over the rim of the pan, escape means for purified air being provided over another portion of the rim of the pan; and a baffle tending to check back passage of foul air through the escape means.

2,066,541

CLAMP THREADED CONNECTION

Tamis C. Schenk, New York, N. Y., assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y., a corporation of New York

Application April 14, 1936, Serial No. 74,285
1 Claim. (Cl. 85—32)



A device of the character described comprising, a threaded rod, a nut received thereon, a passage extending through said nut and threaded for thread-reception upon the threads on the rod, said passage having an angular part permitting tilting of the nut on the rod and resultant disengagement of the threaded parts of the nut from the threads on the rod by such tilting movement, said nut being formed with a radial slot extending from the angular portion of the passage to the edge of the nut whereby the nut may be placed on the rod or removed therefrom by movement transverse to the axis of the rod only while said nut is held tilted with respect to the rod.

2,066,542

HETEROPOLAR COMPOUNDS AND METHOD OF PRODUCING THE SAME

Walther Schrauth, Berlin-Dahlem, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany

No Drawing. Application June 14, 1934, Serial No. 730,680. In Germany June 15, 1933
14 Claims. (Cl. 260—99.12)

8. A process for producing heteropolar compounds which comprises reacting a compound having the following general formula:

Cl—R—OH

wherein R represents a straight chain hydrocarbon radical containing at least 4 carbon atoms, with a member selected from the class consisting of compounds of low molecular weight containing sulfate, sulfonate, carboxyl, hydroxyl or amino groups, the latter neutralized by acids then reacting the resulting product with a member selected from the class consisting of fatty acids, fatty alcohols and sulfonated derivatives of said acids and alcohols containing at least 6 carbon atoms.

2,066,543

REFRACTORY BODIES

Gilbert E. Seil, Cynwyd, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application April 10, 1936, Serial No. 73,715
5 Claims. (Cl. 106—9)

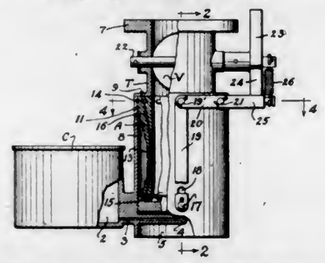
1. A refractory starting material comprising chromite, spinel and mullite.

2,066,544

VARIABLE THROAT FOR FLUID PASSAGES

Warren W. Shaw, Los Angeles, Calif.

Application February 12, 1935, Serial No. 6,227
6 Claims. (Cl. 261—62)



1. A device of the character described comprising: a tube having a fluid inlet at one extremity and an outlet at its other extremity, an integral annular resilient and compressible throat mounted therein coaxially with the interior of said tube, and adjustable means associated with and for compressing said annular member longitudinally whereby the annular wall thereof will be circumferentially contracted for restricting the effective area of said tube, said throat having annular metallic reinforcing members imbedded in the thickened extremities thereof for preventing the distortion of said extremities.

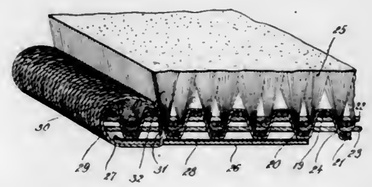
2,066,545

RUG MAKING

Howard L. Shuttleworth, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York

Application June 27, 1936, Serial No. 87,673
8 Claims. (Cl. 112—262)

1. A rug which comprises a fabric body made up of interwoven warp and weft threads and having a back and a pile surface formed of pile tufts, said body having a raw edge, a reinforcement affixed to the back of the body along said edge, and an enlargement along said edge thicker than the fabric body excluding the pile surface and formed of a plurality of closely adjacent overedge stitches along said edge passing through the body and reinforcement and at least one row of pile tufts along said edge enclosed within and concealed and compressed by said stitches, said enlargement engaging and supporting the pile tufts adjacent thereto.



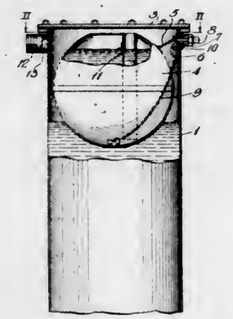
8. A method of producing pile surfaced rugs which comprises weaving a pile fabric in an indefinite length, the fabric having a pile surface throughout, severing pieces of rug size from the fabric, applying a reinforcement to the back of the fabric adjacent each cut edge, and passing a series of closely adjacent overedge stitches through the fabric and reinforcement along each cut edge with said stitches enclosing, concealing and compressing at least one row of tufts, said stitches and enclosed tufts forming an enlargement engaging and supporting the adjacent tufts.

2,066,546

FOAM FIRE EXTINGUISHER

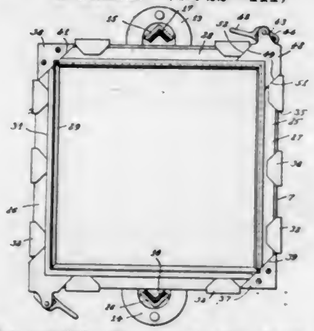
Carlisle F. Smith, Elmira, N. Y., assignor, by mesne assignments, to American-La France-Foamite Corporation, New York, N. Y., a corporation of New York

Application April 24, 1933, Serial No. 667,553
15 Claims. (Cl. 169—27)



9. In foam-making apparatus a column-shaped container holding one foam solution, an inner receptacle holding the other foam solution, said receptacle having a diameter only slightly less than that of said container, supporting means in said container providing a turning axis on which said inner receptacle may turn to inverted position, the wall of said receptacle being vertically curved inwardly from its maximum diameter.

2,066,547
FOUNDRY SLIP FLASK
William J. Spensley, Dubuque, Iowa, assignor to The Adams Company, Dubuque, Iowa, a corporation of Iowa
Application March 16, 1936, Serial No. 69,091
8 Claims. (Cl. 22—111)



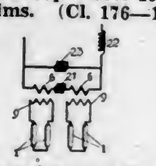
1. The combination in a slip flask having a cope and a drag of a sand strip mechanism comprising a plurality of retainers extending inwardly along the drag edge of the cope and in spaced relation thereto for supporting the cope on the drag, a sand strip positioned in substantial part in the space between said retainers and the edge of the cope the marginal portion of the strip adjacent the inner edge being of a thickness slightly less than the combined thickness of the retainers and the remainder of the strip whereby to substantially fill the space between the cope and the drag, and manually operable means for moving the sand strips.

2,066,548
KALEIDOSCOPE
Charles W. Thompson, Baltimore, Md.
Application February 9, 1934, Serial No. 710,556
11 Claims. (Cl. 88—15)



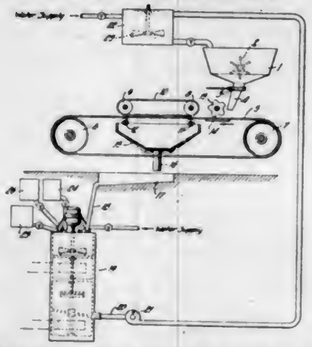
1. In a kaleidoscopic toy of the class described, means for forming a symmetrical design embodying a casing having an outwardly bowed reflecting element in one end thereof, a plurality of multi-colored objects loosely arranged upon said reflecting element, and adapted to produce a segmental design of multi-colored hues thereon, side reflectors arranged in said casing and adapted to cause said segments to be reproduced in complete form, an aperture at the other end of said casing, and reflecting means for causing said design to appear in multi-colored relief through said aperture.

2,066,549
LIGHT SIGN DEVICE
Gustav Tilles, Vienna, Austria, assignor of one-half to Ferdinand Proksch, Vienna, Austria
Application September 12, 1932, Serial No. 632,868
In Austria September 19, 1931
3 Claims. (Cl. 176—124)



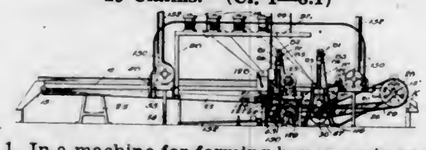
1. An installation for operating gas discharge tubes supplied by an alternating current lighting network of the usual voltage and frequency comprising individual luminous elements, a separate transformer for each element including a primary and a secondary winding, the secondary windings being connected with the respective luminous elements, a choke coil and a condenser, and means connecting the several primary windings and said choke coil and said condenser in series in said network.

2,066,550
METHOD OF MAKING PORTLAND CEMENT PRODUCTS
Clements Batcheller, Glens Falls, N. Y.
Application September 9, 1935, Serial No. 39,793
21 Claims. (Cl. 25—155)



1. That step in the method of making products from workable mixes containing Portland cement as a bonding agent which comprises incorporating in the mix a small quantity of colloidal clay as a dispersing agent.

2,066,551
MACHINE FOR MAKING BOX OR CRATE PARTS
Charles S. Berkstresser, Lacoochee, Fla.
Application May 9, 1932, Serial No. 610,247
19 Claims. (Cl. 1—8.1)



1. In a machine for forming box or crate parts, each from one or more boards and battens, in combination, conveyor mechanism having means to receive and space the boards, equalizing saws in the path of the ends of said boards while moving on said conveyor to reduce the boards to a uniform length, means to maintain battens in relative position to a board, means for applying fasteners to secure the battens to the boards while on the conveyor, and chamfering means to bevel or round the edges of said battens while being moved from the fastening position by said conveyor.

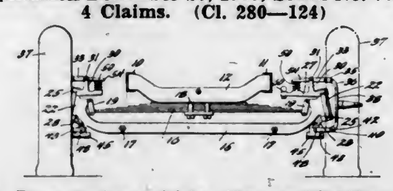
2,066,552
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 20, 1933, Serial No. 703,307
8 Claims. (Cl. 280—124)

1. In a motor vehicle, the combination with a vehicle frame, of a steering knuckle carried by said frame, a steerable road wheel assembly, a pair of vertically spaced links pivoted to said knuckle and to said road wheel assembly to support the latter for rising and falling movement



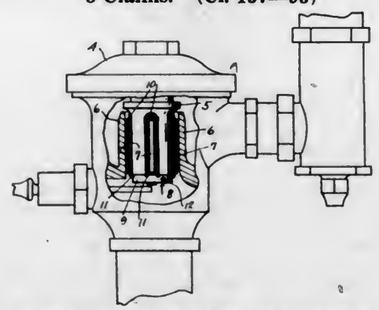
with respect to the frame, and a shock absorber carried by said knuckle, said shock absorber having an operating shaft affording a fulcrum for one of said links.

2,066,553
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 20, 1933, Serial No. 703,308
4 Claims. (Cl. 280—124)



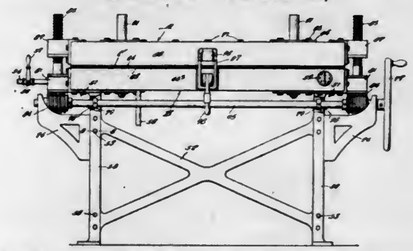
1. In a motor vehicle, the combination with a vehicle frame, of an axle, means yieldingly supporting said frame on said axle, road wheels disposed adjacent opposite ends of the axle, and means supporting each road wheel on said axle for limited rising and falling movement with respect thereto, said means comprising a steering knuckle carrying each road wheel for swinging steering movement, and links pivoted to each knuckle and axle on parallel substantially horizontal axes, and shock absorbing devices carried by said axle, each shock absorbing device affording a fulcrum for and being operatively connected with one of the links of a pair.

2,066,554
FLUSH VALVE SILENCER
Joel Bowen, Miami, Fla., assignor to Model Specialty Sales Company, Miami, Fla., a corporation of Florida
Application July 1, 1935, Serial No. 29,342
8 Claims. (Cl. 137—93)



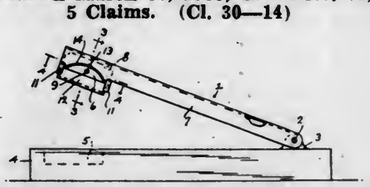
1. In combination, a valve comprising a housing, a casing within the housing, a cylinder slidably mounted within said casing, and a silencer comprising a band and spring fingers attached to the band and extending therefrom, said silencer being adapted to be attached to the cylinder to compensate for intervening spaces between the cylinder and the casing.

2,066,555
RELIEF MAP DUPLICATING MACHINE
John J. Braund, Washington, D. C.
Application February 17, 1936, Serial No. 64,396
13 Claims. (Cl. 101—3)



1. A relief map duplicating machine comprising a stationary reservoir member equipped with a controlled liquid supply and outlet, a hollow vertically movable matrix carrying member adapted to cooperate with the reservoir member to emboss a metal sheet, the margin of the reservoir member confronting the matrix carrying member formed with steps, a flexible diaphragm ram forming a partition between the matrix carrying member and the reservoir member having the margins thereof disposed over the steps, diaphragm clamping means disposed over the diaphragm and anchored to the lower step, and co-acting means on the clamping means and the margin of the matrix carrying member to grip a metal sheet while it is being operated upon by the machine.

2,066,556
SEAM RIPPER
Paul Browning, Brooklyn, N. Y.
Application March 30, 1936, Serial No. 71,731
5 Claims. (Cl. 30—14)

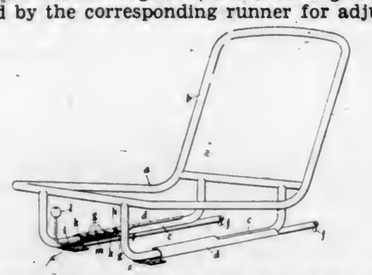


1. A seam ripper comprising an arm including opposed sides, a blade mounted between said opposed sides, guards for the blade slidably mounted on the arm, and springs engaged with said guards for yieldingly urging same toward operative position and stop means on said guards for limiting the travel of said blade with respect to said guards.

2,066,557
MOTOR VEHICLE SEAT
Rowland Wilton Cox, Putney, London, England
Application December 9, 1935, Serial No. 53,663
In Great Britain December 15, 1934
5 Claims. (Cl. 155—14)

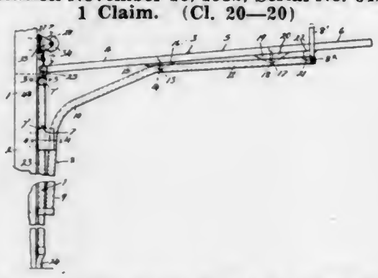
1. An adjustable motor vehicle seat comprising a seat frame, a pair of runners on the seat frame, a pair of guides for the runners, each guide having the form of a channel arranged with its opening at one side, a notched upper

flange on one of the guides, and a locking device carried by the corresponding runner for adjust-



able engagement with the notched flange, substantially as described.

2,066,558
DOOR CONSTRUCTION
Owen L. Dautrick, Detroit, Mich.
Application November 16, 1932, Serial No. 642,967
1 Claim. (Cl. 20—20)

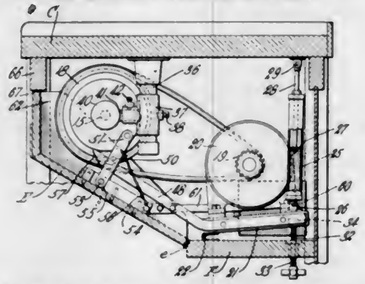


In a door construction, a pair of tracks at the sides and in rear of the door opening extending upwardly from near the lower end and terminating near the upper end of the door opening each track having a forwardly offset lower end and a rearwardly offset upper end, a second pair of tracks with one of each having an upwardly and rearwardly inclined portion in rear of one of said first mentioned tracks with its lower end between the upper and lower ends of the door opening, an upwardly and rearwardly inclined portion and an upwardly and rearwardly curved portion connecting said upwardly extending and upwardly and rearwardly inclined portions, said first mentioned tracks terminating in approximate registration with said upwardly and rearwardly inclined portions, a door movable upwardly and rearwardly, means tending to urge said door upwardly, shoes at the lower end of said door and guided only by said first mentioned tracks, and shoes between the upper and lower ends of said door, all of said last mentioned shoes being guided by said second mentioned tracks.

2,066,559
DESTRUCTION OF COLOR-GENERATING SUBSTANCE IN RUBBER LATEX
John Edwardes, Melrose, Mass., assignor to Heveatex Corporation, Melrose, Mass., a corporation of Massachusetts
No Drawing. Application May 19, 1934
Serial No. 726,577
3 Claims. (Cl. 18—50)

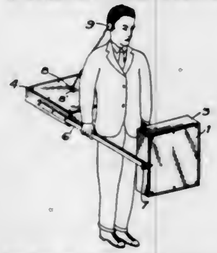
1. A process of treating ammonia-preserved rubber latex that has gone blue as a result of the presence therein of color-generating enzyme, which comprises adding to the latex a chemical capable of liberating nascent oxygen in said latex and thereby decolorizing it but incapable of preventing the recurrence therein of the blue color; and adding thereto another non-oxidizing chemical incapable of decolorizing it but capable of poisoning the color-generating enzyme and thereby preventing the recurrence therein of the blue color; the amounts of said chemicals added having no appreciable effect upon the useful properties of the latex.

2,066,560
VARIABLE SPEED DRIVE MECHANISM
Leigh R. Evans, Elmira, N. Y., assignor to Hardinge Bros. Inc., Elmira, N. Y.
Application July 13, 1934, Serial No. 735,011
15 Claims. (Cl. 74—242.15)



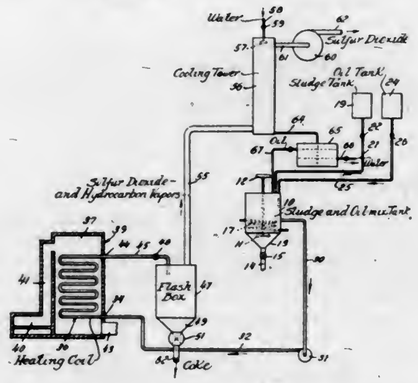
1. A variable speed driving mechanism including a motor, a pulley driven by the motor, a belt connecting said pulley with a driven member, supporting means for permitting the motor to move toward and from the driven member to permit shifting of said belt, said motor being yieldingly held in its operative relation to the driven member, and dash pot means for preventing rapid movement but permitting gradual movement of the motor toward said driven member.

2,066,561
METALLOSCOPE
Gerhard R. Fisher, Palo Alto, Calif.
Application January 16, 1933, Serial No. 651,974
Renewed August 6, 1936
3 Claims. (Cl. 175—182)



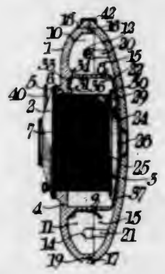
1. Metal finding apparatus comprising the combination of means for radiating modulated high frequency waves, means for receiving and demodulating said waves, separate containers for said radiating means and for said demodulating means, and handles spaced apart a sufficient distance to permit an operator to stand between said containers for mechanically connecting said containers to provide a portable unit, said radiating means and said receiving means each comprising a loop, the axes of said loops being substantially at right angles, the connecting means between said handles and said containers comprising means for varying the angular relation of said loops.

2,066,562
PRODUCTION OF SULPHUR DIOXIDE
Theodore V. Fowler, Pelham, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application December 5, 1933, Serial No. 700,981
10 Claims. (Cl. 23—177)



3. The method of decomposing acid sludge to produce sulphur dioxide and solid carbonaceous residue which comprises heating a mixture of acid sludge and mineral oil, vaporizable at temperatures not greater than the decomposition temperatures of the sludge and in quantity sufficient to provide a carrying medium for the sludge, to temperatures sufficient to decompose the acid sludge under conditions such as to maintain the oil in the liquid phase, and then vaporizing the oil to separate oil and solid carbonaceous residue.

2,066,563
CAMERA CONSTRUCTION
Carl C. Fuerst, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application October 25, 1935, Serial No. 46,768
11 Claims. (Cl. 95—31)

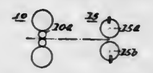


3. In a folding camera, the combination with a camera body, including a threaded aperture in a front wall thereof, of a threaded front member adapted to be screwed into the threaded body, a flange on the front member limiting its movement with respect to the body in one direction, a latch carried by the camera body and adapted to engage said flange when said front is in a predetermined position, co-operating parts on the latch and flange being adapted to retain the front in a pre-determined position.

2,066,564
CASTING OF MAGNESIUM
Fritz Hansgirg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 21, 1934, Serial No. 754,176. In Austria April 25, 1934
9 Claims. (Cl. 22—188)

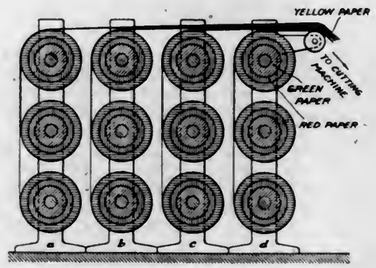
1. That method of casting magnesium which comprises incorporating in the mold a salt selected from the group consisting of sulfides of antimony and bismuth, and casting magnesium in said mold and thereby minimizing burning of the metal during casting and effecting alloying of the surface layers of the casting with the metal of said sulfide whereby the casting is provided with a protective coating.

2,066,565
METHOD AND APPARATUS FOR SHEARING
Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 8, 1934, Serial No. 747,291
22 Claims. (Cl. 164—68)



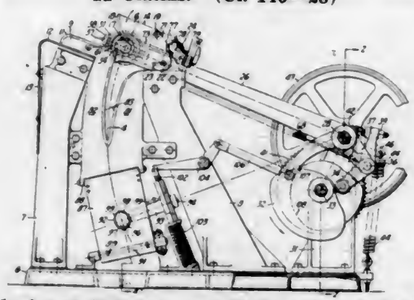
1. Shearing apparatus comprising a shear, feeding mechanism adapted to advance material thereto, means for driving the shear, a control means, and means other than the driving means for limiting the motion of the shear in accordance with the motion of the feeding mechanism.

2,066,566
PROCESS OF WINDING AND CUTTING PAPER INTO SIZES
Einar Henrik Janson, Amotfors, and Johan Olof Nauclér, Stockholm, Sweden
Application April 30, 1935, Serial No. 19,042
In Sweden May 1, 1934
5 Claims. (Cl. 164—17)



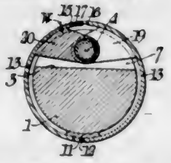
5. A process for cutting lots of different kinds of paper to size on a machine capable of simultaneously cutting a plurality of sheets, comprising the steps of making up a number of similar rolls of paper equal to the maximum capacity of the cutting machine, winding onto each roll in similar sequence portions of the different kinds of paper, each said kind of paper being equally distributed among the said rolls, and feeding paper simultaneously from all said rolls to a cutting machine, whereby the different kinds of paper are cut to size in inverse sequence to the initial winding onto the rolls.

2,066,567
PEACH PITTER
Percy Jepson, San Francisco, Calif., assignor to Pacific Machinery Company, San Francisco, Calif., a corporation of California
Application March 12, 1934, Serial No. 715,052
11 Claims. (Cl. 146—28)



1. A peach pitter comprising a frame, an impaling plate pivoted on said frame, means for urging said plate into receiving position, an initial impaling blade in alignment with said plate in said receiving position, means for removing a peach impaled on said plate in a direction angularly related to said impaling blade while effecting pivotal movement of said plate, means for bisecting said removed peach, and means for pitting said bisected peach.

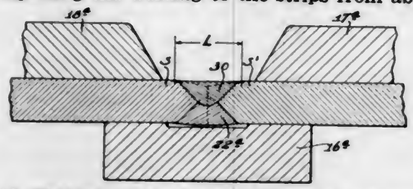
2,066,568
EXPANSIBLE FILM HUB
John G. Jones, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application January 26, 1934, Serial No. 708,470
6 Claims. (Cl. 242—72)



1. In an expansible core for motion picture film, the combination with a supporting member, of an expansible hub affixed to said supporting member and comprising a split ring, said ring being substantially circular in cross section, but having one side of the split portion higher than the other in an amount equal to the thickness of a motion picture film, whereby convolutions of film may wind smoothly over an end of the film held in said split portion of the ring, means for expanding and contracting said split ring operably connected to the ring and supporting member, and a handle carried by the supporting member for actuating said means.

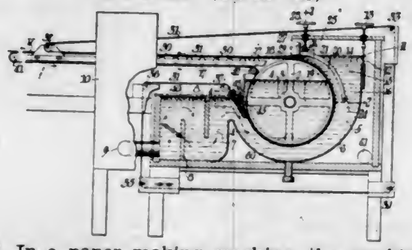
2,066,569
MEANS AND METHOD FOR WELDING STRIPS END TO END
Robert E. Kinkead, Cleveland, Ohio
Application October 29, 1935, Serial No. 47,236
15 Claims. (Cl. 113—59)

1. Apparatus for making continuous metal strip comprising means for cutting off the crop ends of individual strips, means for fusion welding the strips end to end from above, means for aligning the strips with the cutting and welding means, means for supporting and feeding the strips to and from the cutting and welding means, means for clamping the strips before cutting and welding, means for turning over the strip after an initial weld from the top, and means for completing the welding of the strips from above.



12. The method of welding metal strips end to end to form a continuous length which comprises aligning the strip ends with each other, shearing the crop ends from the strips, butt-welding the strips partly together by fusion, and completing the weld by fusion of the metal from the other side of the strips.

2,066,570
PAPER MAKING MACHINE
Gerould T. Lane and Wendell Butterfield, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application November 20, 1934, Serial No. 753,919
11 Claims. (Cl. 92—43)



7. In a paper making machine, the combination with a cylinder, of a flow box in which the cylinder is revolubly mounted, a making wire adapted to move with the cylinder passing around a part of the cylinder and being adapted to pass to and from the cylinder, said wire being guided from the cylinder in a substantially horizontal run, a flow divider mounted in the flow box for dividing the stuff in the flow box into two streams, one stream adjacent the cylinder being adapted to flow out over the top of the making wire as it passes from the cylinder.

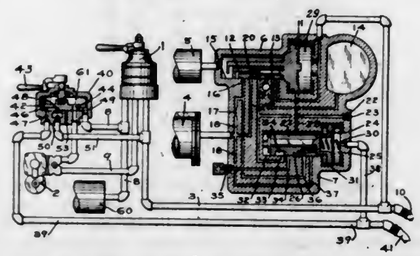
2,066,571
PROCESS FOR THE FIBROUS ESTERIFICATION OF CELLULOSE EMPLOYING HOMOGENIZERS
Louis M. Minsk, William O. Kenyon, and Harry Le B. Gray, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application May 19, 1933, Serial No. 671,900
4 Claims. (Cl. 260—101)

1. A process for preparing an organic acid ester of cellulose in fibrous form which comprises reacting upon the cellulose with an esterifying bath containing a lower fatty acid anhydride, a saturated hydrocarbon substantially boiling within the range 150–210° C. as the non-solvent, and an homogenizer selected from the group consisting of the lower fatty acids and the lower aliphatic ethers in sufficient amount to assure compatibility of the ingredients of the bath, which bath will not dissolve the ester formed therein.

2,066,572
MEDICINAL COMPOUND
Edward C. Moore, Flushing, N. Y.
No Drawing. Application September 23, 1933, Serial No. 690,765
5 Claims. (Cl. 167—55)

1. A medicament comprising the oil of santal and a resinous acid capable of reacting with the alkaline intestinal secretion so as to emulsify said oil.

2,066,573
FLUID PRESSURE BRAKE
Anselme Neveu, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 15, 1931, Serial No. 557,228. Renewed January 24, 1936. In France October 18, 1930
14 Claims. (Cl. 303—23)

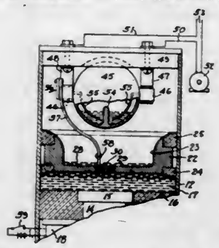


1. In a fluid pressure brake equipment, the combination with a brake cylinder and a brake controlling valve device for controlling the admission and release of fluid under pressure to and from the brake cylinder, of a regulating valve device operated by variations in fluid pressure and adapted in one position to restrict communication through which fluid is supplied to and released from the brake cylinder by said controlling valve device and in another position to provide communication of greater capacity through which fluid is supplied to and released from the brake cylinder, and means for varying the fluid pressure on said regulating valve device.

2,066,574
METHOD OF PREPARING FOOD CONCENTRATES
Bruno P. Pilorz and Bernard J. Butler, Honolulu, Territory of Hawaii, assignors to California Packing Corporation, San Francisco, Calif., a corporation of New York
No Drawing. Application June 9, 1933, Serial No. 675,108
7 Claims. (Cl. 99—204)

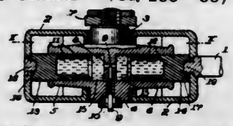
1. A method of preparing food concentrates, including adding sugar to a fruit, subjecting the mixture of fruit and sugar to pressure of air in a closed container to rupture the cell structure of the fruit and impregnate the ruptured cells of the fruit with the sugar, and then concentrating the fruit and sugar under the influence of a reduced pressure and at a relatively low temperature.

2,066,575
TIME DELAY RELAY
Charles C. Ralph, Portland, Oreg.
Application August 11, 1934, Serial No. 739,390
1 Claim. (Cl. 200—97)



A time delay relay comprising a mercury bath, an armature in the form of a container adapted to float in said bath, said armature having an opening in the bottom thereof through which mercury can pass to or from the interior of the armature, an electromagnet associated with said armature for exerting a pull thereon for the purpose of submerging said armature, the emerging action being retarded by the flow of mercury through said opening and a mercurial switch in the form of a sphere rockably mounted on a horizontal axis and having a dam across the lower portion thereof normal to its axis, said switch having spaced electrodes therein separated by said dam and having a body of mercury confined within said sphere, together with means for rocking said sphere to conform with the movements of said armature.

2,066,576
SHOCK ABSORBER
Ewald Richter, Senftenberg, Niederlausitz, Germany
Application November 21, 1934, Serial No. 754,079
In Germany November 28, 1933
9 Claims. (Cl. 188—88)

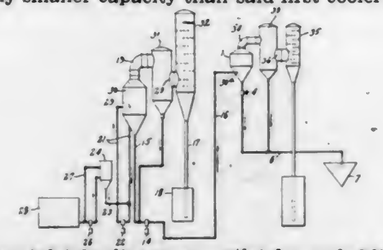


1. In a shock-absorber, especially for motorcars, the combination of two cylinders mounted by journals in a casing, a perforated partition between the said cylinders to allow the liquid to flow directly and freely from one cylinder into the other, guiding surfaces forming part of the inner walls of the said casing, said surfaces being curved eccentrically with respect to the axis of the said journals, and pistons in the cylinders contacting the said guiding surfaces.

2,066,577
COOLING APPARATUS
Charles F. Ritchie, William A. Gale, and William H. Allen, Trona, Calif., assignors to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
Original application July 16, 1929, Serial No. 378,745. Divided and this application November 7, 1932, Serial No. 641,574
4 Claims. (Cl. 23—273)

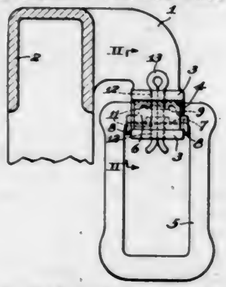
2. In combination in a crystallization apparatus, a primary vacuum evaporative chamber having an inlet, an outlet for cooled liquor, and a vapor outlet, means for removing gases and va-

pors from said chamber to effect cooling through vaporization of water vapor from the liquor therein, means for circulating the liquor from said chamber and back into said chamber, a secondary vacuum evaporative cooler of relatively smaller capacity than said first cooler hav-



ing an inlet for liquor, an outlet for cooled liquor, and a vapor outlet, means for applying and maintaining a vacuum within said secondary cooler, and means for transferring liquor from said primary chamber to said secondary cooler, whereby liquor flows through said secondary cooler without being subjected to mechanical stimulus.

2,066,578
WEARING SHOE
Frederic Schaefer, Pittsburgh, Pa.
Application February 5, 1936, Serial No. 62,440
1 Claim. (Cl. 188—209)

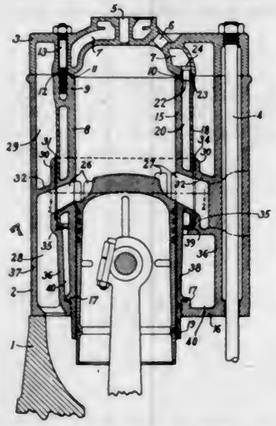


The combination with a railway truck frame, of a bracket projecting laterally therefrom and having upper and lower walls forming a lateral slot, a wearing shoe mounted in said slot and provided with a brake hanger seat, said walls being provided with vertical openings therethrough, the portion of said shoe between said openings being provided with a vertical passage therethrough offset relative to said wall openings, a tapered pin extending through said openings and passage for locking the shoe to the bracket, said pin engaging the outer walls of said wall openings and the inner wall of said shoe passage, the lower end of said pin being threaded, a nut threaded thereon, and resilient means compressed between said bottom wall and said nut.

2,066,579
PRODUCTION OF REFINED MAGNESIUM AND MAGNESIUM ALLOYS
Georg Schichtel, Dobriach-on-Millstattersee, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application January 13, 1934, Serial No. 706,558. In Austria March 30, 1933
5 Claims. (Cl. 75—67)

1. The method of producing refined magnesium, which comprises melting impure magnesium with a fluid flux containing as the main purifier at least one halide of the metals selected from the group consisting of iron and zinc, agitating the molten metal with the flux, allowing the metal and the flux to segregate from each other, and separating the metal from the flux.

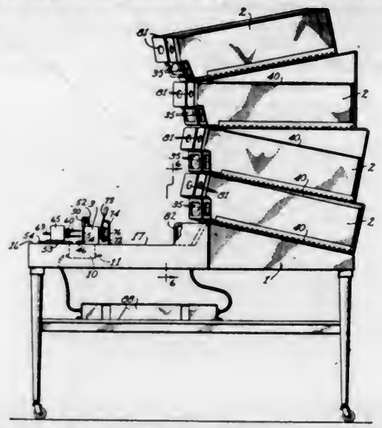
2,066,580
ENGINE CYLINDER LINER
Frank W. Severin, Evanston, and Theodore H. Venn, Wilmette, Ill., assignors to Venn-Severin Machine Co., Chicago, Ill., a corporation of Illinois
Application June 17, 1935, Serial No. 26,906
2 Claims. (Cl. 123—173)



1. A two cycle internal combustion engine of the type wherein air is admitted into the cylinder under pressure, said engine including a cylinder block and a cylinder head, means for securing the head and block together, and a cylinder liner in the block, means for securing the liner to the cylinder head, said cylinder block having an intermediate wall surrounding the lower end of the liner and spaced therefrom to form a water chamber, and forming an air supply passageway between itself and the outer wall of the block, said cylinder liner being double walled at its upper end to form a water jacket, and having a projecting portion extending over and forming a closure for the top of said water chamber, said projecting portion resting on said intermediate wall of the cylinder block, with gasket means interposed between said projecting portion and said wall to form a liquid-tight seal while permitting relative expansion of the liner with respect to the block, ports formed in the wall of the liner and communicating with said air passageway, and yielding gaskets surrounding the ports between the liner and the cylinder block and forming a liquid tight seal around the ports while permitting relative expansion of the liner with respect to the cylinder block.

2,066,581
TUNING APPARATUS
Victor H. Severy, Glendale, Calif.
Application November 25, 1935, Serial No. 51,369
24 Claims. (Cl. 84—454)

1. In tuning apparatus for tuning a musical instrument having vibrators, the combination of a pick-up device vibrated sympathetically from the vibrator of the instrument that is to be tuned, said pick-up device operating to develop electric impulses at the same frequency as the vibrator to be tuned, means for amplifying the said impulses, and translating means including a series

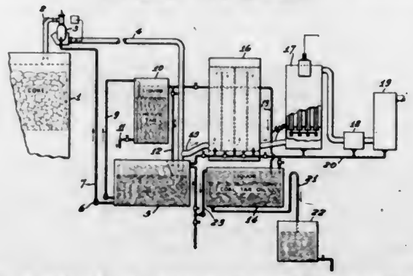


of graduated test vibrators actuated by the impulses for visually indicating whether the vibrator being tuned is flat or sharp.

2,066,582
ULTRAVIOLET PRINTING-OUT COMPOUNDS
Samuel E. Sheppard and Waldemar Vanselow, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application September 7, 1935, Serial No. 39,626
4 Claims. (Cl. 95—7)

1. A photographic material sensitive to ultraviolet light and comprising a colloid carrier and a photo-sensitive material, the sensitive material being a silver salt of one of the following pyrazolone compounds: 1-p-sulfo-phenyl-3-methyl-5-pyrazolone, 4-sulfo-phenyl-3-carboxylic acid-5-pyrazolone, 1-phenyl-3-carboxylic acid-5-pyrazolone, and meta-nitrophenyl pyrazolone carboxylic acid.

2,066,583
METHOD OF PRESERVING WOOD
Grant B. Shipley, Pittsburgh, Pa.
Application April 29, 1933, Serial No. 668,565
1 Claim. (Cl. 21—44)

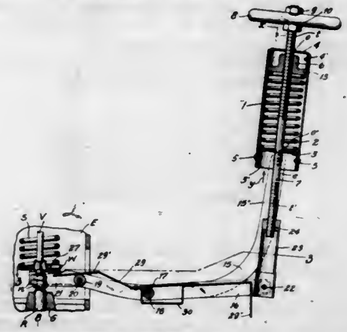


In a method of preserving wood by impregnation with a preservative, that step comprising impregnating the wood with wood-preserving impregnant comprising the undistilled whole of the tarry oil recovered from the condensing system of a by-product coke oven separately from the heavy tar deposited in the hydraulic main, said tarry oil having an absolute viscosity of 2.47 centipoises at 185° F. and a distillation residue of about 33.5 per cent above 355° F., and high weatherproofing power.

2,066,584
PROCESS OF THE STABILIZATION OF CELLULOSE ESTERS
Otto Sindl, Berlin, Germany
No Drawing. Application December 29, 1932, Serial No. 649,358. In Germany March 24, 1932
9 Claims. (Cl. 260—102)

1. In the preparation of stabilized cellulose esters by methods wherein sulfuric acid is used as catalyst, the steps which comprise treating such a cellulose ester, containing residues of said sulfuric acid, while in a swelled state, with a mixture of a lower fatty acid and a liquid ester of a lower fatty acid, under conditions producing elimination of said sulfuric acid residues.

2,066,585
SPRING TESTER
Joseph Sunnen, Kirkwood, Mo.
Application May 2, 1934, Serial No. 723,453
3 Claims. (Cl. 265—18)

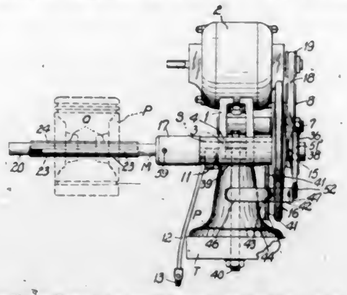


1. A device for testing valve springs for poppet valves actuated by push rods in cooperative engagement with the valve stem, said device comprising a pair of hinged lever frames, a housing carried at one end of one of said lever frames, a spring confined in said housing, connecting elements between the spring and the other lever frame whereby the spring is compressed within the housing by a movement of the levers, work engaging members at the ends of the lever frames opposed to the ends having connection with the spring, said work engaging members operating to separate the valve stem and push rod by movement of the levers, a space gauge movably supported by one of said levers in position for insertion into the space resulting from the separation of valve stem and push rod in order that the spring may be compressed a definite amount by the testing device.

2,066,586
PINHOLE GRINDER
Joseph Sunnen, Kirkwood, Mo.
Application July 28, 1934, Serial No. 737,366
7 Claims. (Cl. 51—184.3)

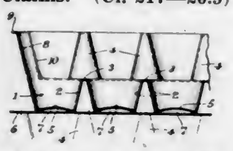
1. In combination with a mandrel having a radially adjustable abrasive element, a driving spindle for the mandrel, means movable longitudinally of the mandrel and engaging the abrasive element to effect adjustment thereof, a feed

screw connected with said means and mounted for rotation with the mandrel, an adjustment nut traversed by said feed screw and mounted for relative rotation in the driving spindle, a



brake pulley fixed to said nut, a brake belt over the pulley, and means associated with the belt for increasing the contact thereof with the pulley, with a decrease of frictional resistance between the belt and the pulley.

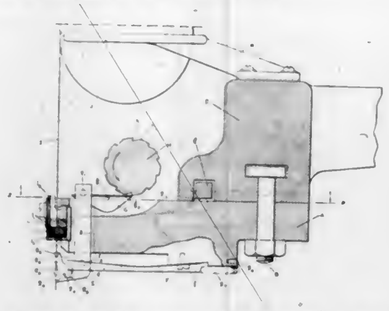
2,066,587
EGG TRAY
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr. Inc., Bordentown, N. J., a corporation of New Jersey
Application March 13, 1935, Serial No. 10,788
2 Claims. (Cl. 217—26.5)



1. A tray of the class described having its walls shaped to provide in its upper face a plurality of article receiving receptacles disposed side by side, the mouths of said receptacles lying substantially in a horizontal plane which is at an intermediate level in the tray, and substantially conical hollow posts projecting upwardly from points between adjacent clusters of said receptacles, the bases of said posts lying substantially in the aforesaid plane and being substantially tangent to the mouths of adjacent receptacles, said bases of the posts being substantially smaller in cross-section than the article receiving receptacles whereby the posts do not receive within them the articles to be packed, said tray being provided with horizontal bridge walls lying substantially in said plane and extending between adjacent receptacles and between adjacent posts to brace the structure against distortion, and an outer flange extending upwardly from the outer walls of the outer receptacles and encircling the space between the mouths of the receptacles and the upper portions of the post.

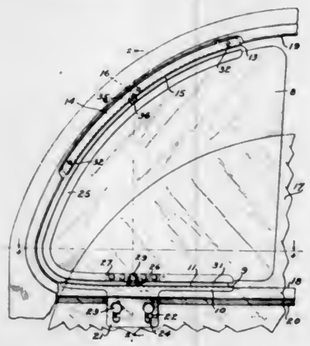
2,066,588
METHOD AND APPARATUS FOR ELECTRICAL ETCHING
William Taylor, Leicester, England, assignor to Kapella Limited, Leicester, England, a corporation
Application February 14, 1934, Serial No. 711,104
In Great Britain February 15, 1933
9 Claims. (Cl. 219—8)

1. A method of etching, comprising oscillating an electrode to and from the object to be etched, each cycle of oscillation comprising a forward movement equal to the distance between the end of the electrode and the object and a rearward withdrawal movement through a substantially fixed distance, the withdrawal movement being normally less than the forward movement to compensate for wear of the electrode.



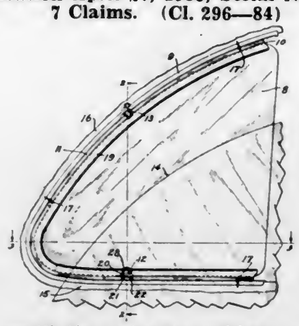
2. Apparatus for electrically etching, comprising an electrode, means for feeding current thereto, a holder adapted to hold the electrode laterally but to permit its endwise movement therein, means by which the holder with the electrode is oscillated toward and from the object with relatively small acceleration and deceleration except at the end of the movements toward the object when the deceleration is relatively high so that the inertia of the electrode carries it forward through the holder until its motion is arrested by the object.

2,066,589
DEFLECTOR SHIELD
Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application December 23, 1935, Serial No. 55,776
5 Claims. (Cl. 296—84)



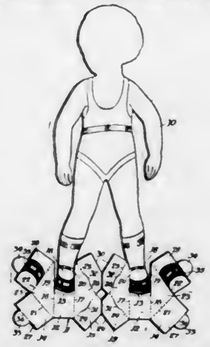
2. In combination with a main window having vertically spaced reveal portions, a deflector shield disposed adjacent the main window, brackets secured to said reveal portions and having flanges extending away from the main window and into close proximity to the upper and lower edges of said shield, a flexible seal carried by said shield and interposed between one of said flanges and the adjacent shield edge to form a sealed joint when said shield is angularly adjusted to different positions, and substantially alined pivots connecting said shield edges with the adjacent flanges.

2,066,590
VEHICLE VENTILATING WING
Joel R. Thorp, West Allis, and William H. Lieber, Wauwatosa, Wis., assignors to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application April 27, 1936, Serial No. 76,496
7 Claims. (Cl. 296—84)



1. A ventilating wing assemblage, comprising, a one-piece sheet metal bracket having integrally united relatively inclined upper, forward and lower portions, a deflector shield of substantially triangular shape having a nosing strip extending along its forward relatively inclined edges, a flexible seal carried by said nosing strip and engageable with both of said bracket portions, and pivots connecting said bracket and said nosing strip.

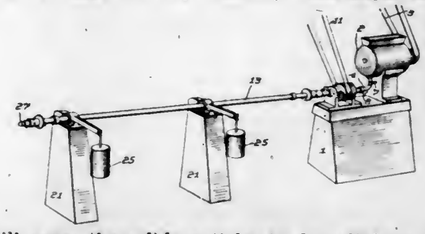
2,066,591
SELF-STANDING CUT-OUT
Arthur H. Torme, Chicago, Ill., assignor to Torme Products Co., Chicago, Ill., a corporation of Illinois
Application October 11, 1935, Serial No. 44,587
6 Claims. (Cl. 46—157)



1. A device of the class described comprising a cutout having no appreciable thickness, said cutout having an extremity, a support portion integrally attached to said extremity, said support portion comprising a heel portion adapted to fold backwardly to act as a heel for said cutout, a pair of wings on either side of said heel portion adapted to fold inwardly to form side and front portions of said support portion, said heel, side and front portions forming a three dimension support for and integral with said cutout.

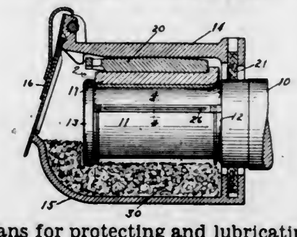
2,066,592
METHOD OF LINING PIPES
Lewis L. Wadsworth, Winchester, Mass.
Application October 23, 1935, Serial No. 46,333
3 Claims. (Cl. 91—68)

1. The method of lining pipes with cement or the like which consists in forming an intimate mixture of such material with a large excess of water, then in introducing the mixture within the pipe so as to completely fill the same, said pipe being closed by both ends, then in rotating the pipe at high velocity whereby centrifugal force



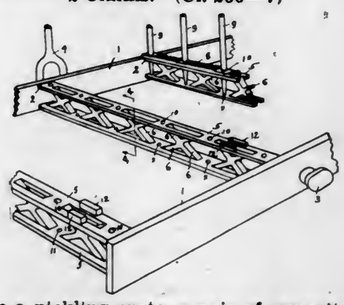
will cause the solid particles to deposit from the water and form a uniform coherent coating and finally in expelling water from the pipe by centrifugal force through radial openings in a continuation of said pipe.

2,066,593
MEANS FOR PROTECTING AND LUBRICATING JOURNALS
Charles I. Walker, Los Angeles, Calif.
Application March 16, 1936, Serial No. 69,107
4 Claims. (Cl. 308—89)



1. Means for protecting and lubricating a journal adapted to be rotated in contact with an upper bearing and lubricated by oil waste at its under side, said means comprising: a pair of members arranged to extend lengthwise of and in engagement with opposite sides of the journal above its horizontal center; and yieldable means associated with said members for normally urging the same toward each other and into contact with the journal, each of said members having journal-engaging sections circumferentially separated with respect to the surface of the journal to thereby provide an accumulating recess for foreign matter.

2,066,594
PICKLING CRATE
Charles G. Watson, Austintown, Ohio
Application August 21, 1935, Serial No. 37,152
2 Claims. (Cl. 266—7)



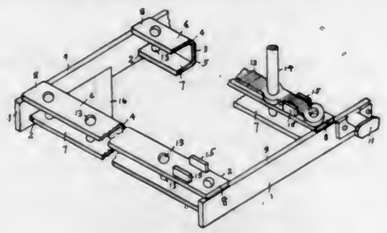
1. In a pickling crate, a pair of oppositely disposed side frame members, a plurality of cross

beams spaced apart and welded to inner sides of said frame members, a pair of plates forming each of said beams, and sheared and stamped semi-V-shaped portions on said plates, apexes of said semi-V-shaped portions welded together making the plates integral with each other in forming said beam, lugs spaced apart on outer sides of said side frame members for carrying and lifting said crate, a spacer member on upper plate provided with notches for holding sheets of metal in spaced relation to each other, a plurality of spikes for supporting said sheets of metal, substantially as described.

2,066,595

PICKLING CRATE DEVICE

Charles G. Watson, Austintown, Ohio
Application August 31, 1935, Serial No. 38,764
2 Claims. (Cl. 266—7)

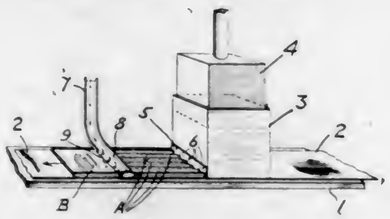


1. In a pickling crate, a pair of oppositely disposed side frame members, a plurality of cross beams spaced apart between said frame members, said cross beams formed of a single sheet of metal having a central vertical portion and parallel upper and lower portions, extended ends on said upper portions welded to upper edges of said frame members, ends of said lower portions and said central vertical portions welded to inner surfaces of said frame member, oppositely disposed lugs on said frame members to provide lifting means, substantially as described for the purpose set forth.

2,066,596

PROCESS OF MAKING POROUS SEPARATORS

Alan A. West, West Oak Lane, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application August 9, 1934, Serial No. 739,187
7 Claims. (Cl. 18—50)

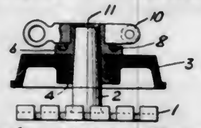


1. A process of making grooved porous separators which consists in extruding upon a moving surface a continuous mould of plastic material, flowing onto the same a stream of fluid rubber mixture, heating the same to convert the mixture into a jelly, and finally vulcanizing in the presence of water.

2,066,597

TERMINAL POST ASSEMBLY

George H. B. West, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application June 21, 1934, Serial No. 731,628
2 Claims. (Cl. 136—135)

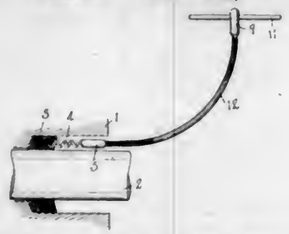


1. A terminal post assembly, comprising in combination, a terminal post for a storage battery, a cell-cover surrounding said terminal post and through which said terminal post projects, a metal bushing embedded in said cell-cover and surrounding said terminal post and having an upstanding portion surrounding the projecting portion of said terminal post and having in a horizontal surface of said bushing above the upper surface of said cell-cover a grease groove encircling the projecting portion of said terminal post and the upstanding portion of said bushing, a spacer collar forming a horizontal surface on said bushing above and within said grease groove, a lead-burned joint uniting the upper end of said bushing and said terminal post, and grease in said grease groove.

2,066,598

PULLING TOOL OR IMPLEMENT

Christopher E. Wiessner, Kalamazoo, Mich., assignor to Dumetallic Corporation, Kalamazoo, Mich.
Application April 29, 1935, Serial No. 18,859
1 Claim. (Cl. 81—8.1)



In an implement of the class described, the combination of a bit, a handle, and a flexible handle shaft having its ends fixedly secured to said bit and handle and comprising a flexible center rod, and a spirally twisted multiple strand cable composed of spirally twisted strands disposed in entwining coacting relation and spirally disposed about and in supporting contacting relation with each other and with the center rod so that said flexible handle shaft is capable of bending and at the same time transmitting longitudinal and torsional stresses from the handle to the bit without kinking or lost motion due to opening or displacement of the strands relative to each other or to the center rod.

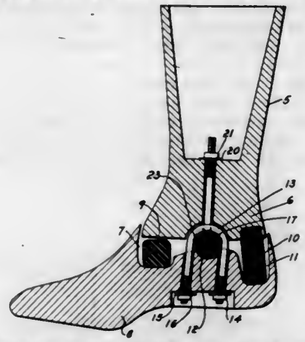
2,066,599

ANKLE JOINT FOR ARTIFICIAL LIMBS

Samuel A. Willett, Paducah, Ky., assignor of one-half to Birmingham Artificial Limb Company, Birmingham, Ala., a corporation of Alabama
Application July 18, 1935, Serial No. 32,003
14 Claims. (Cl. 3—6)

1. In an artificial limb, an ankle joint comprising a shin member, a foot member, a body

of resilient material occupying the axis of the ankle joint and extending transversely across same, a metallic saddle fitted lengthwise on said body and secured to one of said members, and a

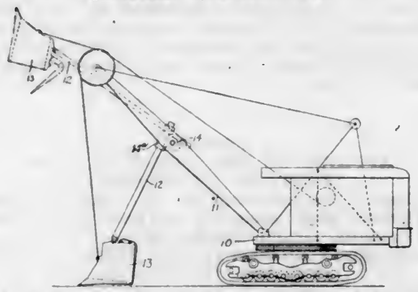


U-bolt astride said saddle and body and connected to the other member free for articulation relative to said saddle and the member to which the saddle is secured.

2,066,600

BOOM CONSTRUCTION

Emery J. Wilson, Cleveland, Ohio, assignor to Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application August 21, 1935, Serial No. 37,203
9 Claims. (Cl. 212—144)



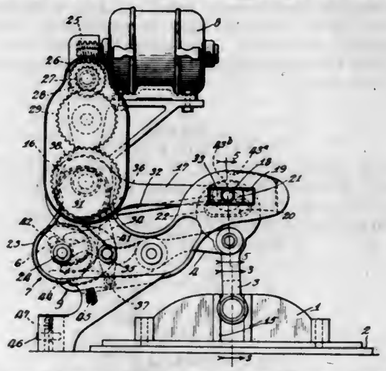
1. A boom adapted to be subjected to both bending and torsional stresses comprising a foot portion adapted to be secured to a support, spaced longitudinally extending members adapted to receive substantially all of the bending stresses, a transverse element extending through said members at a substantial distance from the boom foot portion and adapted to be subjected to a twisting movement relative to the boom axis, a torsion member rigidly secured to said transverse element and secured to the boom adjacent the foot whereby torsional strain will be transmitted to the boom foot by said member.

2,066,601

VALVE GRINDING APPARATUS

Albert E. Wood, Battle Creek, Mich.
Application June 21, 1935, Serial No. 27,711
6 Claims. (Cl. 51—27)

4. Apparatus for grinding a valve having a flat face on a flat seat comprising means for moving the valve back and forth on its seat and for periodically lifting it from its seat comprising an oscillatable rock arm provided with means for engaging the valve, means for periodically lifting said rock arm, said lifting means comprising a second rock arm on which said first rock arm is pivotally mounted, cam means for periodically actuating said second rock arm, and a ratchet and

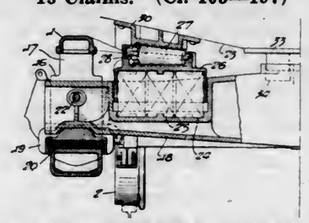


pawl mechanism for actuating said cam, having provisions for periodically increasing the throw of the ratchet to effect a quick raising and lowering of the valve with respect to its seat.

2,066,602

RAILWAY TRUCK

Donald S. Barrows and Glenn F. Couch, Rochester, N. Y., assignors to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application December 30, 1931, Serial No. 583,950
15 Claims. (Cl. 105—197)

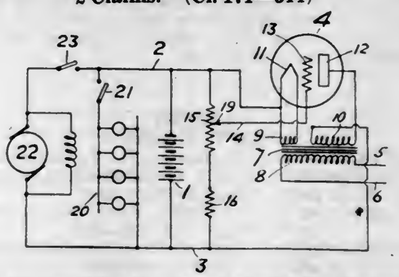


1. In a railway truck, in combination, wheel-supported journal boxes, side frames swingably mounted on said boxes, and a bolster supported by said frames, directly engaging means providing convex rolling surfaces, and laterally movable as the frames swing.

2,066,603

MEANS FOR CONTROLLING THE CHARGING VOLTAGE OF STORAGE BATTERIES

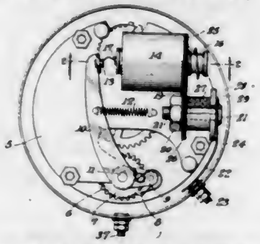
Frank G. Beetem, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application November 22, 1934, Serial No. 754,260
2 Claims. (Cl. 171—314)



2. In combination an alternating current source and a storage battery with automatic

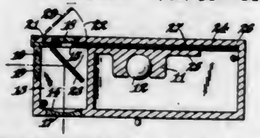
means for maintaining constant voltage at the battery terminals comprising a rectifier of the gas filled triode type through which the battery is charged, and means substantially independent of the A. C. voltage and responsive to minute changes of voltage across the battery for controlling the grid bias of the rectifier to counteract such changes.

2,066,604
ELECTRIC CLOCK
Joseph Berti, Brooklyn, N. Y., assignor to Phinney-Walker Co. Inc., New York, N. Y., a corporation of New York
Application February 19, 1935, Serial No. 7,185
3 Claims. (Cl. 185—11)



1. Electromagnetic spring tensioning means, comprising a solenoid spool having end heads and a center tube of conducting material, one of said end heads having an extension of insulating material, a winding on said spool between said end heads, a mounting lug, screw means securing said insulating head extension of the spool to said mounting lug, said winding being connected at one end with said screw means and electrically connected at the opposite end with the conducting center tube of said solenoid spool, a solenoid core operating in said center tube and in electrically conducting relation therewith, a contact on one end of said core and a spring tensioned member provided with a cooperating contact.

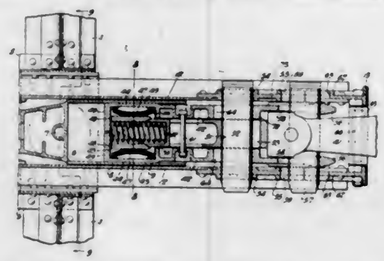
2,066,605
CAMERA
Noel Pemberton Billing, London, England
Application October 23, 1934, Serial No. 749,654
In Great Britain November 3, 1933
12 Claims. (Cl. 95—44)



1. A photographic camera having a combined direct vision and reflex view-finder formed as an element in the structure of the camera, and having an exposure meter incorporated in the lens system of the view-finder.

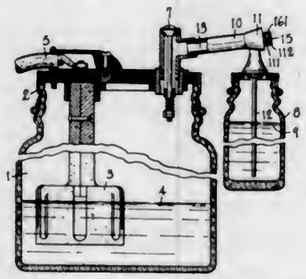
2,066,606
DRAFT RIGGING
Emil H. Blattner, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application April 23, 1936, Serial No. 76,042
12 Claims. (Cl. 213—8)

7. In a car underframe of the type embodying a rigid draft and buffing column comprising spaced sills connected by cover plates and striking castings, extending substantially the length of said underframe, and mounted for longitudinal sliding movement relative thereto, a body bolster forming part of said underframe and comprising a center filler casting, resilient means disposed between said sills, secured to an inner portion of said casting and serving to resiliently urge said sills into centered relation with respect to said body bolster, friction means extending outwardly from said casting and providing friction surfaces fixed against longitudinal movement with respect to said underframe, and cushioning mechanism mounted between said sills outwardly of said casting and comprising fric-



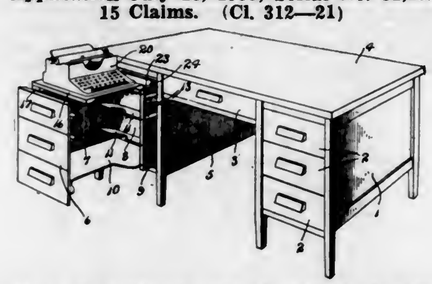
tion members cooperating with one another and movable with respect to said sills and casting, certain of said friction members also frictionally engaging the friction surfaces on the means secured to said casting, whereby movement with respect to said sills and underframe, of an associated coupler, is cushioned by said mechanism, and longitudinal sliding of said sills with respect to said underframe is cushioned by said first-mentioned resilient means and friction elements of said cushioning mechanism sliding on the friction surfaces of said outwardly extending friction means.

2,066,607
APPARATUS FOR TREATING AND DIFFUSING PYRETHRUM
Walter S. Burgess and Earl K. Golley, Benton Harbor, Mich., assignors to The O. & W. Thum Company, Grand Rapids, Mich.
Application September 11, 1933, Serial No. 688,907
1 Claim. (Cl. 299—87)



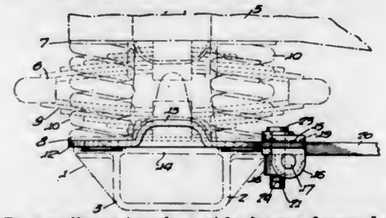
In a diffuser or the like, a vaporizer having a vapor discharge, a liquid receptacle external of said vaporizer and a tube suspended in said receptacle to be submerged in the liquid thereof and whose outer end terminates adjacent said vapor discharge so that when vapor issues from said vapor discharge to form an aspirating nozzle, the liquid will be drawn into the vapor and be diffused with it, said vaporizer formed with a lid having an opening, a mouth piece mounted in said opening and formed with a nozzle and a safety valve on said mouth piece.

2,066,608
TYPEWRITER DESK
John H. Bushnell, Grand Rapids, Mich., assignor to Wagemaker Company, Grand Rapids, Mich., a corporation of Michigan
Application July 13, 1935, Serial No. 31,152
15 Claims. (Cl. 312—21)



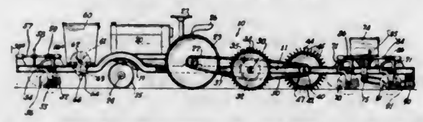
12. In a typewriter desk, a pedestal, a drawer slidably mounted for movement in said pedestal to extended or retracted positions, one vertical side of said drawer having a knee opening concealed within said pedestal when the drawer is retracted, typewriter supporting means mounted in said drawer for movement to positions to locate a typewriter thereon within the drawer or extended also above the drawer and means for supporting said typewriter supporting means in normal operating position relative to said knee opening.

2,066,609
RAILWAY TRUCK
Joseph A. Cameron, Montreal, Quebec, Canada, assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application November 13, 1933, Serial No. 697,852
14 Claims. (Cl. 105—208.2)



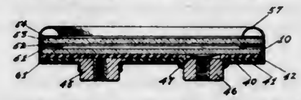
1. In a railway truck, a side frame formed with a window opening, a spring supporting portion adjacent the lower part of said opening, and a bar for connecting said frame to an associated frame at the other side of the truck, said bar having a connection with said spring supporting portion comprising one pivot allowing horizontal articulation and another allowing vertical articulation.

2,066,610
FARM MACHINERY
Julius E. Carlin, Bronx, N. Y.
Application January 3, 1935, Serial No. 212
7 Claims. (Cl. 97—40)



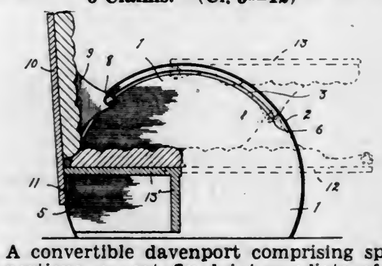
1. In combination with a tractor, a frame on said tractor, an axle mounted on said frame and extending beyond the sides of the frame, a central wheel on said axle disposed within said frame, a pair of outer wheels on said axle disposed within the sides of the frame and adjacent thereto, a plurality of wedge-shaped members interconnecting the central wheel with the outer wheels, tractor wheels on the portions of the axle extending beyond the sides of the frame, a second axle on said frame parallel to the first axle and extending beyond the sides of the frame, a central wheel on said second axle disposed within said frame, a pair of outer wheels on said second axle disposed within the sides of the frame and adjacent thereto, members interconnecting the last mentioned central wheel with the last mentioned outer wheels, sprocket wheels on said axles and a sprocket chain interconnecting said sprocket wheels, said sprocket wheels being of different diameters whereby one of said axles rotates faster than the other of said axles.

2,066,611
SELENIUM CELL
Andrew Christy, Chicago, Ill., assignor to G-M Laboratories, Inc., Chicago, Ill.
Application December 10, 1932, Serial No. 646,627
6 Claims. (Cl. 136—89)



1. In combination, a plate composed of a metal which reacts slightly with selenium to form a selenide, a layer of selenides on the plate including a selenide of the metal of said plate and a selenide of another metal which metal reacts with selenium to form a selenide more readily than does the metal of said plate, a layer of selenium metal thereover and a conducting layer pervious to light over the selenium metal.

2,066,612
CONVERTIBLE DAVENPORT
Roderick M. Colman, Southampton, N. Y.
Application September 19, 1935, Serial No. 41,270
3 Claims. (Cl. 5—12)

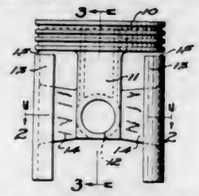


3. A convertible davenport comprising spaced end portions, a seat fixed intermediate of and uniting said end portions, curved tracks within said end portions, a plate pivotally and slidably supported in said tracks and normally serving as a back for said seat when at one end of said tracks, said plate movable along said tracks forwardly of and above said seat to serve as a table.

2,066,613
PISTON
Ray E. Day, Seattle, Wash.
Application March 1, 1926, Serial No. 91,407
4 Claims. (Cl. 309—11)

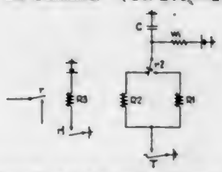
1. A piston for use in an engine cylinder comprising a head, two boss carrying supports ex-

tending downwardly from opposite sides of said head, coaxial piston pin bosses carried by said supports, a skirt constructed to form arcuate thrust faces at opposite sides of the piston between said boss carrying supports, a pair of struts connecting each thrust face with said supports, each pair of struts extending in diverging relation from the skirt to said supports and each strut being bowed throughout a substantial portion of its breadth, the skirt being supported from the head entirely through the medium of said pairs



of struts, the diverging arrangement of the struts permitting a predetermined control of the skirt diameter as a consequence of a toggle action exerted by the struts tending to draw the thrust faces inwardly when said bosses tend to move apart upon thermal expansion of the head, and the bowing of said struts providing sufficient flexibility so that upon failure of said struts to control the skirt diameter by reason of excessive heating of the piston said struts will flex upon expansion of said skirt against the cylinder wall.

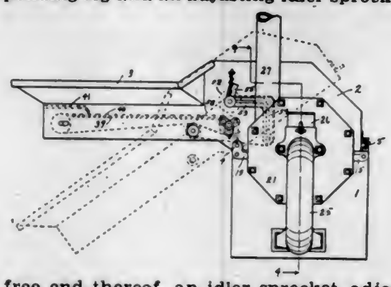
2,066,614
RELAY CIRCUIT
Hinrich Döhle, Haselhorst, Germany, assignor to Telephon-Apparat Fabrik E. Zwietusch and Company, Berlin, Germany
Application June 17, 1935, Serial No. 26,959
In Germany June 27, 1934
14 Claims. (Cl. 179—16)



1. In a circuit arrangement, a controlled circuit, a circuit closer, a relay for closing and opening said control circuit responsive to successive operations of said circuit closer, a condenser discharged by the operation of said circuit closer to operate the relay for closing and opening the controlled circuit, said condenser being charged whenever said circuit closer is not operated.

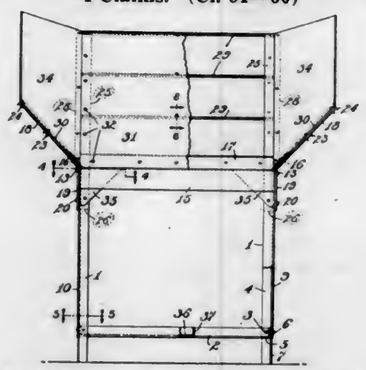
2,066,615
HAMMER MILL
Charles Edward Everett, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a corporation of Maryland
Original application May 9, 1932, Serial No. 610,260, now Patent No. 1,960,626, dated May 29, 1934. Divided and this application December 18, 1933, Serial No. 702,971
3 Claims. (Cl. 83—11)

2. A device of the class described, comprising a grinding mill having a feed-in opening, an upper feed roll suitably positioned in said feed-in opening, means for feeding the material to be ground under said feed roll, comprising a trough, a smooth roll, an endless chain type conveyor and a conveyor plate, said smooth roll positioned under said upper feed roll and adapted to carry the front end of said conveyor and be friction driven thereby, said plate adapted to carry the upper half of said conveyor and having its front end and the top of said smooth roll on approximately the same plane and in juxtaposition for the width of said conveyor, said feed roll journaled on the free ends of pivotally mounted arms, one arm having a depending leg and an adjusting idler sprocket at



the free end thereof, an idler sprocket adjacent said last named arm pivot, a driving sprocket, a driven sprocket attached to said feed roll, said driven sprocket positioned between and above said driving and adjusting sprockets, a driving chain operatively engaging said four sprockets, whereby, when said feed roll rises or falls, said adjusting sprocket will be caused to move toward and away from said driving sprocket to thereby maintain a uniform tautness of said chain.

2,066,616
PAINT SPRAYING BOOTH
Chester A. Frick, Muncie, Ind.
Application July 17, 1935, Serial No. 31,812
4 Claims. (Cl. 91—60)

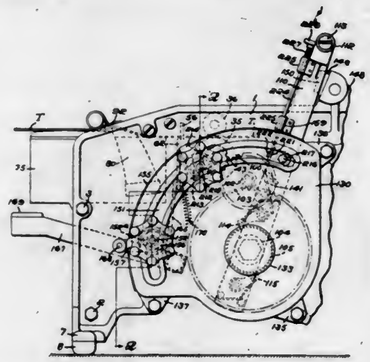


2. A spray booth comprising a flat topped table, arms extending upwardly and outwardly at each side of said table, a pair of arms extending upwardly and rearwardly from the rear corners of said table, removable sheets secured to said arms, and removable wings secured to the rear edges of the rear side arms and to the side edges of the rear arms.

2,066,617
GUMMED TAPE DISPENSING MEANS
Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application March 24, 1936, Serial No. 70,654
8 Claims. (Cl. 271—2.4)

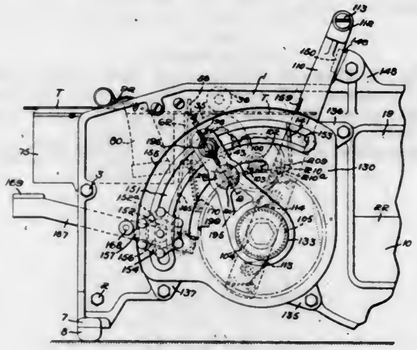
1. In a strip serving machine, in combination with a frame and a strip-roll support, means for

engaging and feeding the strip, a reciprocating feed lever having a feeding movement and an opposite return movement between feeding and return limits, one or more stop elements in the path of the lever intermediate said limits, a stop-engageable member movably mounted on the



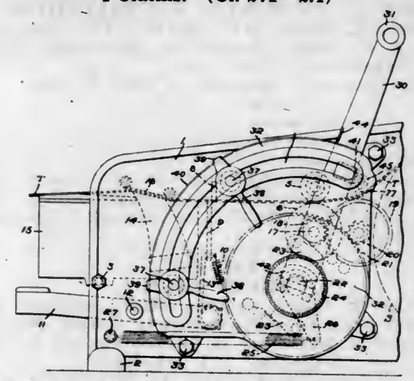
lever and cooperable with said intermediate stop element or elements, and means carried by the lever for rendering said stop-engageable member inoperative at the will of the operator, whereby to feed different predetermined lengths of the strip material selectively.

2,066,618
GUMMED TAPE DISPENSING MEANS
Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Original application November 29, 1933, Serial No. 700,235. Divided and this application March 20, 1936, Serial No. 69,829
3 Claims. (Cl. 271—2.4)



1. In a gummed tape serving machine, in combination with a frame and tape roll support, means for engaging and advancing the tape, a feed lever having a feed movement and a return movement, an adjustable stop in the path of the feed lever to predetermine the extent of its feed movement, one or more telltale elements in the lever path, rearwardly of said stop, said elements and the feed lever having yielding interengageable means to signal the movement of the lever past them sufficiently for informative purposes but permitting passage of the lever at the will of the operator.

2,066,619
SELECTIVE-LENGTH TAPE DISPENSER
Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application May 21, 1936, Serial No. 81,002
4 Claims. (Cl. 271—2.4)



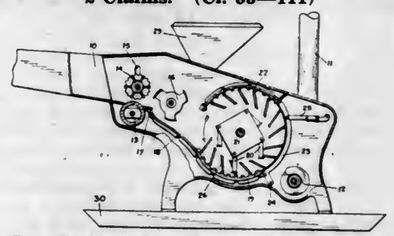
1. In a machine for delivering lengths of moistened gummed tape, in combination with a support for a tape supply, feeding means for the tape, a manual actuating element for the feed means, said element having a feed stroke and a return stroke, one or more stops in the path of said element to determine its feeding movement, means fixed on said element and engageable with the stop or stops, and means whereby said engageable means of said element may be shifted to avoid one or more of said stops at the will of the operator.

2,066,620
BOOK AND METHOD OF MAKING SAME
Allen L. Grammer, Meadowbrook, Pa., assignor to Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 25, 1935, Serial No. 7,965
2 Claims. (Cl. 281—15)



2. The method of binding books which includes making an assembly of sheets with a peaked back by assembling them one within another and flattening the back by pressure.

2,066,621
FEED GRINDER
Garold C. J. Gray, Hastings, Nebr., assignor to Western Land Roller Company, Hastings, Nebr., a partnership composed of M. C. Anderson, Paul Anderson, Carrie Glass, M. George Anderson, Edna Anderson, Arthur H. Anderson, and Charles M. Anderson
Application January 6, 1934, Serial No. 705,628
2 Claims. (Cl. 83—111)



1. In a feed grinder, the combination of a con-

cave and a hammer reel, and ribs on said concave, said ribs being inclined from the opposite lateral edges of said concave in the direction of rotation of said hammer reel, opposed ribs overlapping each other at their inner ends.

2,066,622

PROCESS OF MAKING FORMALDEHYDE

Rudolph L. Hasche, Whitefish Bay, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

No Drawing. Application April 30, 1934, Serial No. 723,163
8 Claims. (Cl. 260—138)

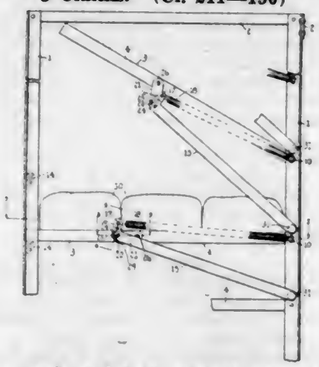
1. The method of making formaldehyde which comprises mixing ethylene with air and passing the mixture over a molybdenum oxide catalyst on a silica gel base at a temperature which will cause the partial oxidation of ethylene to formaldehyde.

2,066,623

BREAD RACK

Charles T. Hatch, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.

Application November 14, 1935, Serial No. 49,749
8 Claims. (Cl. 211—150)



1. In a rack, a frame, shelves pivoted to said frame, arms pivotally mounted on said frame, springs connecting said arms and said frame, and links connecting said shelves and said arms, stops carried by said links, said stops being engaged with said shelves in horizontal erected position thereof to limit downward movement of the shelves, the arms and links constituting a toggle whereby said shelves are locked against movement by said springs, said springs, upon upward initial pivotal movement of said shelves, exerting force transmitted through said links to further elevate the shelves.

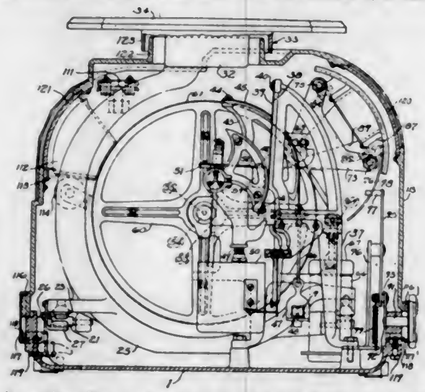
2,066,624

WEIGHING SCALE

Halvor W. Hem, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey

Application February 15, 1935, Serial No. 6,723
16 Claims. (Cl. 265—37)

1. In a device of the class described, in combination, a substantially rectangular base, a lever having two main branches, one end of said lever being fulcrumed at one end of said base, the lever branches lying respectively along parallel sides of said base, a bracket erected upon said base at the end opposite to that at which said lever is fulcrumed, flexible metallic ribbons secured to said bracket, a pendulum supported by said flexible metallic ribbons, means connecting said pendulum to the end of said lever remote from its fulcrum, an undivided cylindrical chart lying above said lever and having its cylindrical axis extending nearly parallel to said branches, the length of the cylindrical axis of said chart being nearly co-extensive with the length of said lever, means operatively connecting said pendulum and said chart to turn said chart about its axis upon movement of said pendulum, a substantially C-shaped frame supported upon said lever intermediate the lever ends and partially encircling said chart, a check link supporting bracket erected upon said base adjacent the end at which said lever is fulcrumed, a check



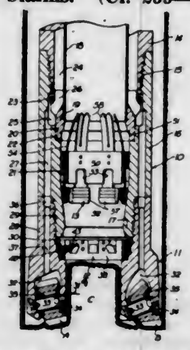
link extending parallel to said lever, one end of said check link being pivotally connected to said check link supporting bracket, the other end of said check link being pivotally connected to said C-shaped member, a casing covering the aforesaid mechanism, said casing having a window on one side through which a portion of said chart is visible and a window on the opposite side through which a portion of said chart is visible, and a goods receiver supported by said C-shaped member and lying above said casing, said goods receiver being symmetrically located above said chart.

2,066,625

CORE DRILL

John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif.; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application February 19, 1935, Serial No. 7,208
9 Claims. (Cl. 255—72)



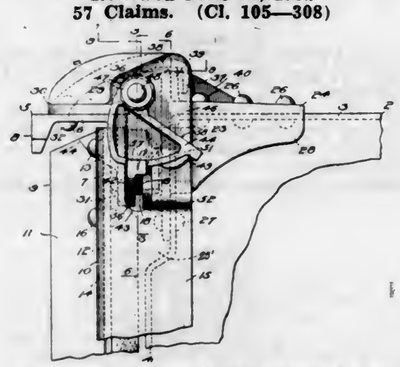
1. In a core drill, a tubular body, a cutting head on the lower end of the body, a core catcher in the head embodying core engaging dogs, and a core catcher in the body embodying core engaging slips.

2,066,626

RAILWAY CAR

Fred A. Isaacson, Chicago, Ill., and William E. Wine, Toledo, Ohio, assignors, by direct and mesne assignments, to Wine Railway Appliance Company, Toledo, Ohio, a corporation of Ohio

Application December 10, 1929, Serial No. 413,050
Renewed June 18, 1932
57 Claims. (Cl. 105—308)



1. In a railway gondola car having a drop end door adapted when in open position to overlap the floor of the car, the combination with the side walls of the car, of movably mounted members adapted to be respectively interposed between the sides of the door and the side walls of the car for maintaining the door in a substantially upright position.

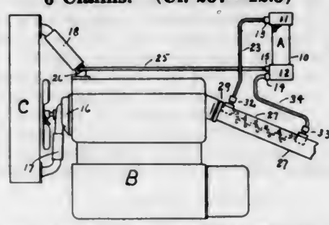
39. In a gondola car having a drop end door adapted when in open position to overlap the floor of the car, the combination with the side walls of the car, of mechanism for maintaining the door in closed position, brackets rigidly secured to said door respectively having lugs projecting upwardly therefrom, and means rigid with the side walls respectively having downwardly extending portions cooperable with said lugs when the door is in closed position to prevent spreading of the side walls.

2,066,627

CAR HEATER

Alvaro S. Krotz, Rockton, Ill., assignor to Young Radiator Company, Racine, Wis.

Application July 15, 1935, Serial No. 31,403
6 Claims. (Cl. 237—12.3)



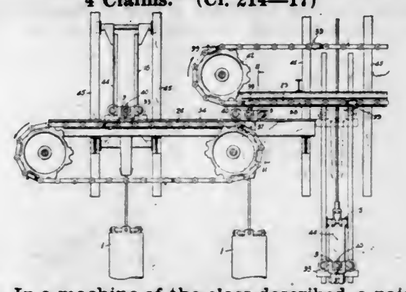
1. A car heater of the class described, comprising a liquid cooled internal combustion engine, a car heater unit comprising a core having upper and lower headers, a heat transfer generator positioned in heat transfer contact with the exhaust gases from said engine, said lower header near its top having a tube connection to the cooling liquid of said engine constructed and arranged so that flow therein may occur in a direction to or from said engine, a tube connection from the bottom of said lower header to the inlet of said generator, a tube connection from the outlet end of said generator to said upper header.

2,066,628

APPARATUS FOR ENAMELING ARTICLES

Clas S. Larson and Walter A. Kuebler, Milwaukee, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application August 3, 1935, Serial No. 34,513
4 Claims. (Cl. 214—17)



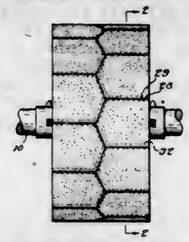
2. In a machine of the class described, a pair of horizontal rails defining a conveyor path, means to raise a truck to the level of said rails for movement therealong, an endless chain disposed above said truck and extending parallel to said rails, means on said chain for engaging said truck to move the same onto and along said rails, a second endless chain disposed beneath the path of said truck and having means to engage the truck and to continue its movement forward on said rails as the truck is released from said first named chain, and means disposed at the end of the path of the first mentioned chain for elevating the truck from the level of said rails.

2,066,629

PULPSTONE

Thure Larsson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 25, 1936, Serial No. 70,813
4 Claims. (Cl. 51—207)



1. A grinding wheel comprising a drum, a plurality of sectors attached to said drum, and radial faces of some sectors being grooved so that crushable apexes are provided at all joints.

2,066,630

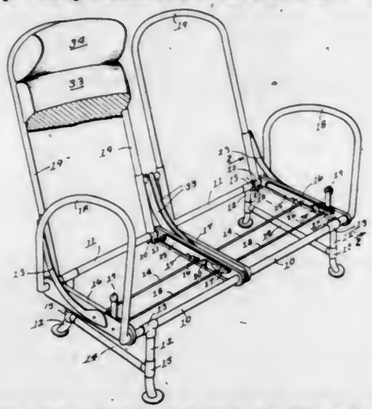
SEAT STRUCTURE

Hubert S. Leader and Henry P. Nordmark, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application May 20, 1935, Serial No. 22,379
2 Claims. (Cl. 155—163)

1. In a chair structure of the class described, a rectangular seat supporting frame comprising a

pair of oppositely disposed side members each provided with a longitudinal slot and a forward and rearward member connecting the side members in spaced relation, a tiltable chair back pivotally mounted upon the rearward member, a pair of spaced links each pivotally connected at its rear end to opposite sides of the chair back and each extending forwardly on opposite sides of a side member of the seat frame, the links being tied together by a tie rod whose opposite ends extend through the respective longitudinal slots of the side members, a pair of spaced arms each pivotally connected at its rear end to a side



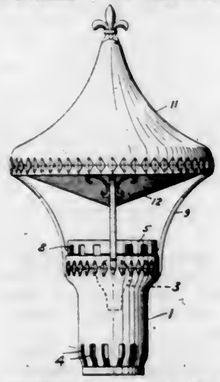
member of the seat frame on a side thereof opposite a link and each extending forwardly longitudinally of its adjacent side member, each arm having tie rod engaging teeth, a pair of spaced levers each pivotally connected to a side member of the seat frame and below the free end of an arm, a tie rod interposed and secured between said levers, and a handle connected with the tie rod adapted to be manually rocked for rotating the tie rod whereby said spaced arms may be caused to be tilted simultaneously to permit selective engagement of the link tie rod with the teeth of the spaced arms.

2,066,631

STREET LIGHTING FIXTURE OF THE INDIRECT TYPE

Jean L. Le Gorre, Philadelphia, Pa., assignor to Pennsylvania Globe Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 5, 1934, Serial No. 719,100
12 Claims. (Cl. 240—25)



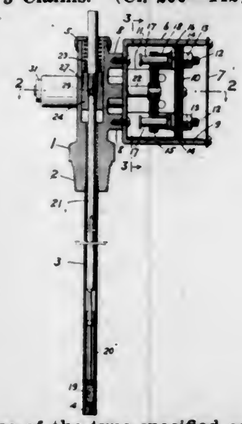
1. A street lighting fixture of the indirect type comprising, in combination, a bowl provided with an opening for the reception of a lamp and having air vents in its wall, a ring provided with a glass and mounted on the bowl and having air vents, arms carried by the bowl and to which the ring is detachably connected, and a canopy carried by the arms and provided with a reflector projecting toward the bowl and opposite said lamp to receive light from said lamp.

2,066,632

TEMPERATURE RESPONSIVE EMERGENCY CIRCUIT BREAKER FOR ELECTRIC FLUID HEATERS

Luther D. Lovekin, Villa Nova, and Francis W. Werring, Philadelphia, Pa., assignors to Kitson Company, Philadelphia, Pa., a corporation of West Virginia

Application December 29, 1934, Serial No. 759,656
5 Claims. (Cl. 200—142)



1. A device of the type specified comprising in combination, a casing, two spring-pressed elements mounted in the casing and disposed in crosswise relation and adapted for endwise movement and each having a portion of reduced diameter and one having a collar thereon midway of the portion of reduced diameter of said element, a ball movably mounted in the casing and arranged between said elements and of such diameter that it engages the collar when it rests upon a full diameter part of the first-mentioned element and releases the collar when it rests upon a reduced diameter part of the first-mentioned element, a temperature responsive fuse for detaining the first-mentioned element to cause the ball to engage the collar and for releasing said element to cause the ball to disengage the collar, a switch block carried by the second-mentioned element and provided with spring-pressed electric switch contacts movable in respect to said block, and fixed electric switch contacts against which the movable switch contacts are spring-pressed when the ball is in engagement with the collar.

2,066,633

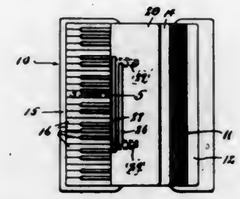
SHIFT KEY MECHANISM FOR ACCORDIONS

Max B. Luttbeg, St. Louis, Mo.

Application August 12, 1935, Serial No. 35,770
12 Claims. (Cl. 84—376)

1. In an accordion, the combination with a treble reed section, a keyboard including a plurality of keys, a plurality of reed trays, and a slide valve plate for each tray for shutting off and opening the same, of a shift key mounted on said treble reed section inwardly of said keys whereby

said shift key can be operated by the finger tips of the player's hand and a mechanism operable by said shift key and operatively associated with



said slide valve plate for moving it at each operation of said shift key alternately into closed and open positions.

2,066,634

EXPLOSIVE CONTAINER

William F. Lux, St. Louis, Mo., assignor to Illinois Powder Manufacturing Company, St. Louis, Mo., a corporation of Illinois

Application February 23, 1935, Serial No. 7,921
2 Claims. (Cl. 102—4)



1. In an explosive container, the combination of a tubular body; a penetrative head composed of three layers; a skirt extending from the innermost layer bent outwardly over the end of the middle layer to form an abutment between the body and the end of the middle layer and embracing one end of the body; a skirt extending from the outermost layer and embracing the other skirt and the body; and a retaining band about and attached to the skirt of the outermost layer and the body, at their juncture.

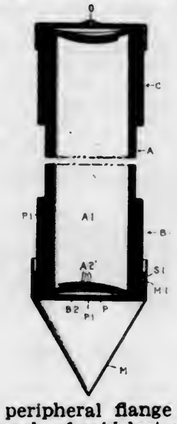
2,066,635

EXPLOSIVE CONTAINER

William F. Lux, St. Louis, Mo., assignor to Illinois Powder Manufacturing Company, St. Louis, Mo., a corporation of Illinois

Application May 1, 1935, Serial No. 19,273
2 Claims. (Cl. 102—6)

1. In an explosive container, the combination of a multi-ply roll forming a tube; a multi-ply spiral wrapper about said tube and having its ends crimped over and tucked into said tube; a multi-ply roll forming a tube disposed about and affixed to each end portion of the wrapper; and a



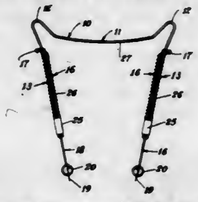
cap having a peripheral flange disposed about and affixed to each of said last mentioned rolls.

2,066,636

COLLAR STAY

Ben B. Manaster, Chicago, Ill.

Application May 6, 1936, Serial No. 78,097
11 Claims. (Cl. 2—132)



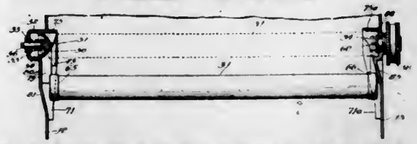
1. A collar stay comprising a cross bar including a central portion and bends at the terminals of the said central portion, said collar stay including legs and each of said legs including an upper leg section and a lower leg section, the upper leg section in each of said legs including substantially parallel portions and one of said parallel portions terminating in the corresponding one of said bends, each of said lower leg sections including a collar slidably mounted upon the said parallel portions of the corresponding upper leg section, and the upper section of each of said legs including means for preventing detachment of the said lower leg section and collar therefrom.

2,066,637

SPINDLE AND MEANS FOR HOLDING SAME

Alfred Marchev, La Grange, Ill., assignor to Ditto, Incorporated, a corporation of West Virginia

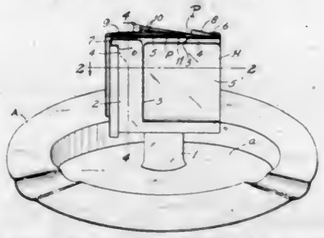
Application July 26, 1935, Serial No. 33,360
6 Claims. (Cl. 242—68)



5. Apparatus whereby a spindle adapted to be driven is quickly insertable and withdrawable from its mount, comprising a framework having oppositely mounted spindle carriers, means yieldingly urging one of said spindle carriers to-

ward the other, said other carrier having driving means for engaging co-operative driven means provided upon said spindle, and a cam on said framework adjacent said other carrier whereby, when said spindle is displaced laterally with its longitudinal axis parallel to the axes of said carriers to bring it into alinement with said carriers, said cam displaces said spindle longitudinally and causes it to displace said yieldably mounted carrier, said yieldably mounted carrier then displacing said spindle longitudinally to bring said spindle into abutting relation with said other carrier.

2,066,638
HOLDER FOR PAPER MATCH FOLDERS
Charles A. Marien, St. Louis, Mo.
Application February 9, 1935, Serial No. 5,763
2 Claims. (Cl. 206—31)



1. A holder for match folders comprising a support, a pair of clip plates fixed in spaced relation to said support, corresponding edges on opposite sides of said plates having outwardly presented flanges to form channels, and each of said plates having a slot open at the top of the plate and parallel to the adjacent channel.

2,066,639
NONCURL CORNER CONSTRUCTION FOR FLOOR COVERINGS AND METHOD OF PRODUCING SAME
Charles H. Masland, 2nd, Carlisle, Pa.
Application January 22, 1936, Serial No. 60,272
9 Claims. (Cl. 154—49)

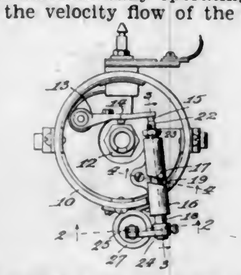


1. As an article of manufacture, a floor covering such as a carpet or rug, consisting of a fabric material having corners extending upwardly beyond the normal plane of the upper face of the balance of the carpet or rug, and elastic means at said corners on the back of the carpet or rug and secured thereto to resiliently support the corners in elevated position.

9. A method of manufacturing a floor covering such as a carpet or rug, which method consists in applying elastic material to areas at or adjacent the corners of the carpet or rug while said carpet or rug is maintained in its normal flat condition, and subsequent to the application of the elastic material, imparting convexity to said elastic material to maintain and cause the same to similarly elevate and impart convexity to said corners of the carpet or rug.

2,066,640
CIRCUIT BREAKER FOR SPARK DISTRIBUTORS
Alfred A. Melcher and Albert G. H. Vanderpoel, Los Angeles, Calif., assignors of one-fourth to James O'Laverty and one-fourth to David E. Seward, both of Los Angeles, Calif.
Application October 7, 1935, Serial No. 43,814
8 Claims. (Cl. 123—117)

1. In a circuit breaker for spark distributors including a cam, breaker arm and contact carried by said breaker arm, a contact with which the contact on the breaker arm is adapted to engage and automatically operating means controlled by the velocity flow of the gas air mix-



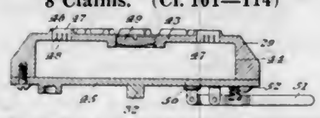
ture through the carburetor with which the circuit breaker is associated, for moving said second mentioned contact toward the contact carried by said breaker arm to increase the periods of contact or dwell between said contacts.

2,066,641
FENDER ATTACHMENT
Ralph V. Mellor and Wayne W. Remer, Spokane, Wash.
Application March 14, 1936, Serial No. 68,890
6 Claims. (Cl. 116—114)



1. A device of the character described comprising a standard, a frame at the upper end of said standard having its lower portion formed with a transversely extending passage, a pendulum extending vertically and having upper and lower sections hinged to each other, the lower section extending through said passage and the upper section being pivotally connected with the upper portion of said frame and projecting upwardly above the same, and a miniature airplane mounted at the upper end of the pendulum.

2,066,642
METHOD AND APPARATUS FOR APPLYING DESIGNS AND THE ARTICLE PRODUCED THEREBY
Howard L. Page, Chicago, Ill., assignor to Radium Dial Company, Pittsburgh, Pa., a corporation of Delaware
Application December 4, 1934, Serial No. 755,904
8 Claims. (Cl. 101—114)

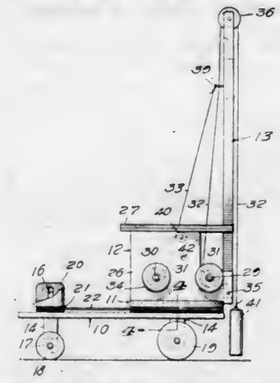


1. In a method of preventing blurring of deposited characters having portions at an acute angle to each other, the steps including depositing character-forming material while fairly fluid and partially segregating said portions.

2,066,643
NONSAGGING BRUSHING LACQUER
Glenn H. Pickard, Wilmette, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application September 14, 1934, Serial No. 744,017
12 Claims. (Cl. 134—79)

1. A brushing lacquer comprising a cellulose derivative base, a slow drying solvent therefor, and a heavy metal soap of tung oil acids in an amount to render the lacquer substantially nonsagging when applied in films of normal brushing thickness on vertical surfaces, the proportions of solvents and diluents being such as to produce a brushing lacquer.

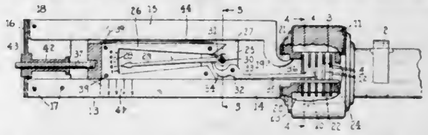
2,066,644
TOY
Nat S. Raizen, Bronx, N. Y.
Application August 26, 1935, Serial No. 37,786
3 Claims. (Cl. 46—40)



1. A toy of the class described, having a platform with front and rear wheels, a turntable mounted upon the platform and adapted to freely rotate thereon, said turntable having a pair of substantially parallel grooves extending across the entire face thereof, a cab having a pair of parallel side walls, the lower edges of the side walls being arranged to snugly fit with respect to said parallel grooves, a plurality of drums mounted within the cab, a primary and secondary shovel carrying beam supported from said cab, a plurality of cables interposed between the drums and said beams for imparting independent motion to the beams and the shovel, and a hand actuated knob for rotating the turntable.

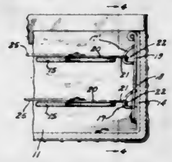
2,066,645
COMBINATION FINDER FOR LOCKS
Lawrence C. Rial, Battle Creek, Mich.
Application October 28, 1935, Serial No. 46,976
16 Claims. (Cl. 33—174)

1. In a combination finder for a lock, a lock engaging frame comprising an upper lock engaging arm, a lower tumbler registering arm and a U-shaped plate connecting said arms, said upper arm being pivoted to said plate, means resiliently urging said arms apart, a gauge member slidable between said arms and comprising a U-shaped element having a key pitch scale thereon and a pair of plates joining the ends of said element, a spring urged pointer pivoted to said plates to coact with said scale, a tumbler feeler pivoted to said plates and having a tail portion engaging said pointer, said feeler extending into cooperative relation with the tumblers of said lock to gauge the pitch of the same and actuate



said pointer, means to advance and retract said gauge member for gauging successive tumblers, comprising a screw fixed to said member and internally threaded means journaled in said U-shaped plate for coaction with said screw, and means to indicate the extent of said advance or retraction, comprising a scale on said lower arm and a straight edge associated with said element cooperating with said scale.

2,066,646
HANGER BRACKET
Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application June 24, 1935, Serial No. 28,105
3 Claims. (Cl. 312—185)

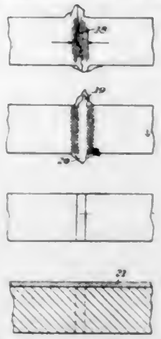


1. In a housing, a bracket secured to a wall thereof, said bracket having a looped portion with a relatively wide wall and a reduced wall extending thereto, and a hanger detachably cooperable with the looped portion of said bracket, said hanger being formed with slotted openings to receive both of said portions of the bracket, and having a flange to prevent removal of the hanger from the looped portion of the bracket when the hanger is turned through a certain angle.

2,066,647
ENAMELED JOINT AND METHOD OF MANUFACTURE
Clarence J. Rodman, Alliance, Ohio, assignor to The Steel Sanitary Company, Alliance, Ohio, a corporation of Ohio
Application March 2, 1935, Serial No. 9,048
3 Claims. (Cl. 219—10)

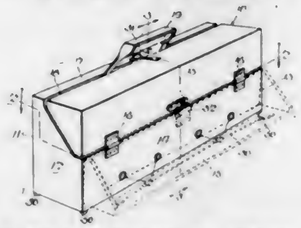
1. In a method of making metal articles, the steps including abutting the edges of two parts of the article, passing current across the joint therebetween, continuing to pass said current until the edges are fused off or vaporized a substantial distance inwardly of their original boundary and substantially all impurities removed from the heated edges, maintaining the edges in spaced relation as they fuse back from the original boundaries, terminating the welding current, pressing the molten and purified edges together with a sufficient force to upset the molten metal and force any remaining impurities such as oxides onto a burr or fin formed by the upset metal, and, after the lapse of a predeter-

mined time to permit slight cooling of the hot seam, further upsetting or forging it to densify



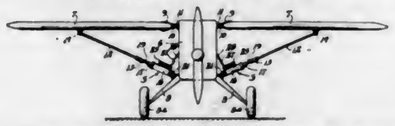
and compact the metal thereadjacent while it is still hot and extrude a further burr of pure dense metal.

2,066,648
FIRE EXTINGUISHER
William L. Roessner, Chicago, Ill.
Application February 24, 1936, Serial No. 65,254
11 Claims. (Cl. 169—26)



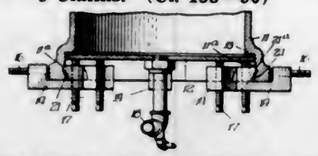
4. In a fire extinguisher kit having walls defining the same and having a plurality of grenades containing a fire extinguishing liquid therein, the combination of resilient supporting means for the grenades, grenade crashing means carried on the resilient supporting means and having thermoresponsive means coacting therewith adapted to release said grenade crashing means when heated to a proper degree to crash the grenades, the bottom wall of said kit being of pervious material to diffuse and retard the flow of liquid outwardly of the kit.

2,066,649
FLEXIBLE AIRPLANE WING CONSTRUCTION
Rolland C. Sabins, St. Paul, Minn., assignor to Mechanical Development Co., St. Paul, Minn., a corporation of Minnesota
Application January 9, 1935, Serial No. 980
2 Claims. (Cl. 244—38)



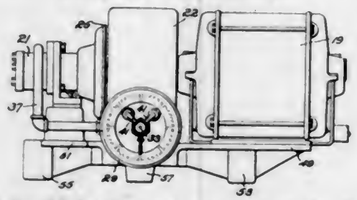
1. In an airplane structure, wings arranged to permit vertical deflection thereof from their normal positions relative to the remainder of said structure, means yieldingly urging said wings toward their normal positions and releasable means for locking said wings in their normal positions.

2,066,650
PIPE TESTING PLUG
Nicholas Santucci, Niles Center, Ill.
Application July 11, 1934, Serial No. 734,578
5 Claims. (Cl. 138—90)



1. A pipe testing plug comprising a disk member adapted to fit into the end of a pipe, a plurality of clamping members for engaging the end of a pipe, said clamping members having a recess therein to receive the pipe flange, a bolt member passing in a longitudinal direction into said recess to engage the pipe and a second bolt member passing through said clamp at a right angle to said first mentioned bolt member to engage said disk.

2,066,651
APPARATUS FOR BURNING LIQUID FUEL
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application March 29, 1934, Serial No. 717,967
5 Claims. (Cl. 158—76)

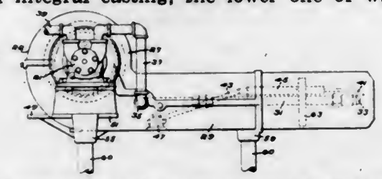


2. A liquid fuel burner comprising an air impeller, a tubular air conduit having a contracted mouth and arranged to receive air from said impeller under pressure and discharge the same through the mouth, a spray nozzle having an orifice formed to produce a cone-shaped spray of fuel and axially positioned in said conduit near the mouth thereof to discharge said spray cone from said mouth, means for supplying liquid fuel under pressure to said nozzle, prolonged helically disposed vanes of relatively flat pitch projecting inwardly part way across the conduit from the inner wall of the conduit and extending lengthwise of the same from a position ahead of said nozzle for a substantial distance rearward of said nozzle and adapted to impart to air passing through said conduit a high momentum, helical, non-turbulent movement gradually accelerated to the conduit mouth, thereby to cause the body of advancing air to contract on emergence and then expand into substantial coincidence with said spray cone.

2,066,652
LIQUID FUEL BURNER
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Original application March 29, 1934, Serial No. 717,967. Divided and this application October 2, 1935, Serial No. 43,238
2 Claims. (Cl. 158—76)

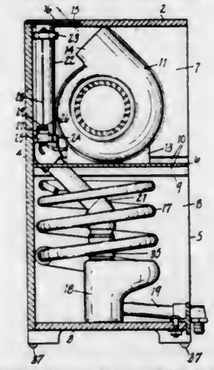
1. A liquid fuel burner having a rotary vaned air impeller, a casing comprising a housing in

which said impeller is eccentrically mounted and an adjacent prolonged tubular air discharge conduit tangentially related to the discharge portion of said housing and terminating in an open mouth, a liquid fuel supply pipe entering and extending through said conduit and terminating in a nozzle near said conduit mouth, and electrical connections also entering the air conduit and extending to sparking electrodes adjacent said nozzle, said casing being formed of upper and lower interfitting but separable parts each of which is an integral casting, the lower one of which



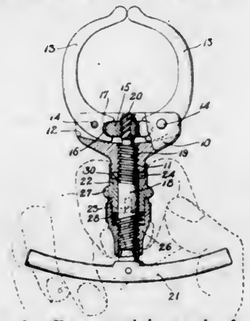
parts constitutes the bottom portion of said housing, the lower adjacent major part of said tubular air conduit and a complete forward discharge mouth for said conduit, and the upper one of which parts is removable as a single piece and constitutes the upper portion of said housing and the upper adjacent major part of said tubular air conduit, whereby, through the removal of the upper portion of the casing, the major portion of the impeller is exposed to view and the interior of the major part of said air conduit may be opened for inspection.

2,066,653
HUMIDIFIER
Ferris N. Smith, Grand Rapids, Mich.
Application March 21, 1935, Serial No. 12,165
19 Claims. (Cl. 261—115)



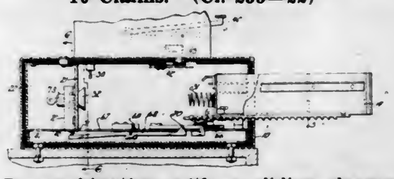
1. The combination of a cabinet having a top, a bottom, and front and side walls, the top having an opening therein adjacent the front wall, a central shelf dividing the cabinet into an upper and a lower compartment, means including rubber cushions connecting said shelf to said side walls, the shelf having an upright bent upwardly therefrom, a blower mounted on one side of said upright and having an outlet adapted to discharge air upwardly through said opening in a forwardly inclined path, an electric blower motor mounted on the other side of said upright for driving said blower, a steam muffler disposed in the lower compartment and comprising a pipe in the form of downwardly spiraled coil, the diameter of the pipe gradually increasing from its inlet to its outlet end, a water trap connected to the lower end of said coil, and a steam discharge pipe connected to the upper end of said water trap and extending upwardly through said shelf at the front of the cabinet for delivering steam upwardly through said opening, a valve in the lower end of said steam discharge pipe having an external control handle at the side of the cabinet, a steam supply connection to the inlet end of said muffler, a drain connection to the lower end of said water trap; and switch means responsive to the longitudinal expansion and contraction of said steam discharge pipe acting to control the operation of said blower motor so that the blower is driven only when steam is being delivered by said steam discharge pipe.

2,066,654
HANDCUFF
Yngve Smith-Stange, Chicago, Ill., assignor to Argus Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 13, 1935, Serial No. 21,078
2 Claims. (Cl. 70—24)



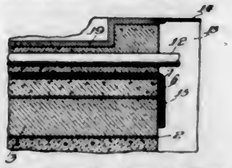
1. In a handcuff comprising a body member, a pair of pivoted jaws therein, and a rotatable operator for said jaws, the combination of a hub on said body coaxial with said operator and having ratchet teeth on its outer end, and a sleeve on said operator rotatable with but axially slidable relative to the operator and having an internal shoulder provided with ratchet teeth coacting with said first-mentioned ratchet teeth, said sleeve being adapted to be grasped between the fingers for separating the ratchet teeth to release the jaws and telescoping over said hub, said sleeve having sufficient length to cover said ratchet teeth to prevent the fingers from contacting said ratchet teeth.

2,066,655
DRAWER
Earl M. Stevens, Chicago, Ill.
Application July 11, 1935, Serial No. 30,797
10 Claims. (Cl. 235—22)



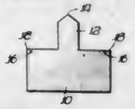
1. In combination with a sliding drawer, a spring tensioned drawer closing member, means for releasably retaining said member in retracted position to permit normal actuation of the drawer, and means responsive to release of said member and movable transversely to the path of the drawer for interconnecting the drawer and said member to effect movement of the drawer to innermost position.

2,066,656
FLOOR FOR ICE SKATING RINKS
John A. Stromberg, Des Plaines, Ill.
Application December 22, 1934, Serial No. 758,785
6 Claims. (Cl. 94—3)



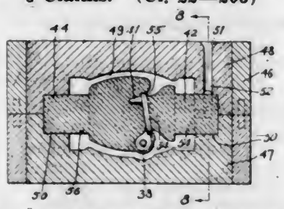
1. A floor structure for ice skating rinks which comprises in combination, a substructure constructed of relatively poor heat conducting material, a superstructure constructed of relatively good heat conducting material, a plurality of interconnected pipes adapted to carry a temperature-changing fluid embedded in said superstructure, said pipes being joined end to end by electric resistance butt-welding to provide relatively uniform, smooth, projectionless interior surfaces whereby gas pockets are prevented from forming within the pipes incident to the flow of said temperature-changing fluid.

2,066,657
SHINGLE
Josiah B. Stevens, Aurora, Ill., assignor to Orenda Corporation, Chicago, Ill., a corporation of Illinois
Application January 10, 1935, Serial No. 1,106
2 Claims. (Cl. 108—8)



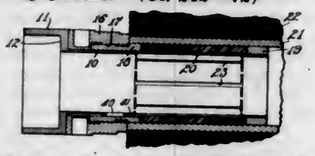
1. A rigid shingle formed in part of a set cement and having a main body portion and an extension therefrom remote from its ends, said main body portion having nailing holes therethrough through its upper corners, said extension having a length less than the length from top to bottom of said main body portion by the amount of overlap desired, and said extension having its upper end pointed in such manner as to mark the center thereof and also avoid interference with a nail passing through the hole in the overlying shingle, the corner of which registers with the underlying point.

2,066,658
METHOD OF MAKING VALVES
Horace R. Street, Cleveland, Ohio
Application December 10, 1932, Serial No. 646,634
6 Claims. (Cl. 22—203)



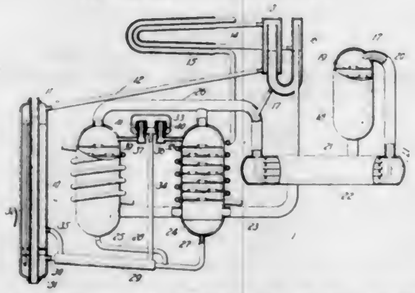
1. The method of casting a valve which consists in forming a core about a gate having a loosely mounted pin therein, positioning the core in a mold, and casting a valve body around said gate in a manner to secure the pin therein.

2,066,659
ROLL CHUCK FOR WEB PRESSES
Hubert F. Templeton and Richard M. Clouse, Indianapolis, Ind.
Application April 23, 1934, Serial No. 721,940
6 Claims. (Cl. 242—72)



6. A centering chuck for printing press supply rolls comprising a main tubular body having a circumferential external flange, a pressure ring splined upon said body in opposition to said flange, a longitudinally compressible radially expansible sleeve sleeved over said body between said flange and said pressure ring, and means rotatively associated with said body and the pressure ring by which the pressure ring may be moved toward its companion flange to longitudinally compress and radially expand such sleeve.

2,066,660
REFRIGERATION
Albert R. Thomas, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application November 12, 1932, Serial No. 642,333
Renewed November 23, 1934
19 Claims. (Cl. 62—119.5)

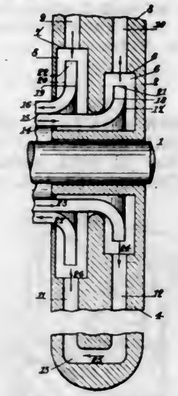


18. A method of refrigeration which includes expelling refrigerant vapor from absorption liquid, liquefying the expelled vapor, evaporating the liquid, flowing the resulting vapor to a plurality of places of absorption, forming a pocketed body of weakened absorption liquid having a surface level above said places of absorption, and dividing the liquid for gravity flow into the presence of vapor in said places of absorption by providing limited overflow from said pocketed body of liquid.

2,066,661
COOLING OF HEAT ENGINES
Marcel Vullierme, Paris, France
Application March 16, 1932, Serial No. 599,296
In France March 20, 1931
4 Claims. (Cl. 123—174)

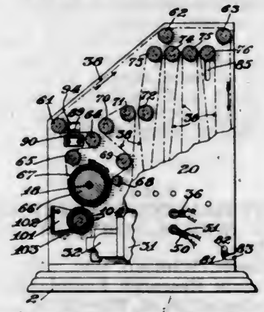
3. In a vehicle operated by an internal combustion engine necessitating heat disssipation by a circulating fluid, a drive shaft to which the power developed by said engine is transmitted, a propeller of the aeroplane type attached to and rotated by said shaft and constituting means for propelling the vehicle, a liquid circulating system for cooling the engine including radially disposed conduits in the propeller, and concentric annular

inlet and outlet conduits surrounding the shaft and in communication with the radial conduits



in the propeller, whereby the heat of the combustion engine may be dissipated by the liquid circulating within the propeller.

2,066,662
COMBINED STAMP VENDING AND ADVERTISING MACHINE
Clarence M. Wheeler, St. Louis, Mo.
Application October 12, 1934, Serial No. 748,074
3 Claims. (Cl. 40—32)



1. A machine of the character described, comprising a cabinet having a display window, an endless-belt strip on which advertising matter is placed in sequential panel arrangement and movable in registrable relation to said display window, a common power element operating continuously, means for intermittently connecting said power element with said advertising endless-belt strip whereby to successively bring the respective panels thereof into register with the display window of the cabinet, said means comprising a smooth surfaced roller about which said endless-belt strip passes and the roller normally rotating as a part of the power element and slipping with respect to the strip, and a presser roller movable intermittently to press said endless-belt strip upon said rotating roller whereby to cause intermittent travel of said strip, said presser roller having a sponge rubber circumferential portion.

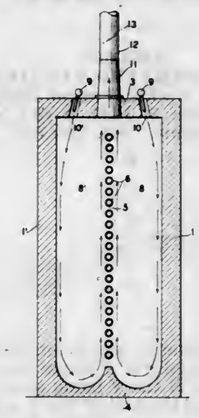
2,066,663
STORAGE BATTERY GRID
Anthony C. Zachlin, South Euclid, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 10, 1933, Serial No. 684,511
3 Claims. (Cl. 136—38)

1. A grid of the flat type having substantially parallel outer faces, comprising a deeply-dished marginal frame composed of side, top and bottom walls, said grid being open on one outer face thereof and on its other outer face having



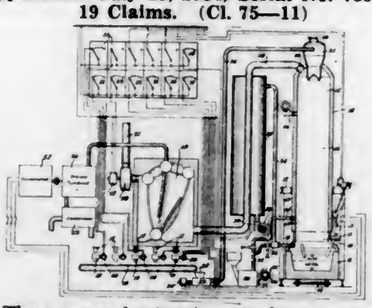
horizontal and vertical ribs extending between said walls, and relatively thin substantially flat webs of tapering depth within the grid at the upper and lower portions thereof and disposed in line with certain of said ribs.

2,066,664
FURNACE AND METHOD FOR HEATING FLUIDS
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 7, 1932, Serial No. 646,072
Renewed May 23, 1936
7 Claims. (Cl. 196—116)



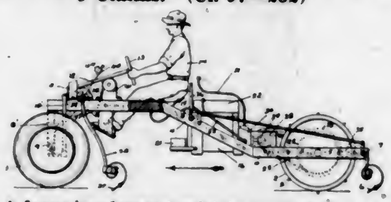
1. In the heating of hydrocarbon oil to conversion temperatures, the method which comprises passing the oil in a restricted stream serially through a plurality of series connected, substantially horizontal tubular elements disposed in a common vertical plane approximately medially between a pair of spaced, parallel furnace walls, projecting flame of substantially uniform heat intensity downwardly along each of said walls opposite said elements and in spaced relation with respect to the latter, reversing the direction of flow of the combustion gases resulting from the flames in the lower portion of the furnace below the lowermost of said elements, and then passing the cumbustion gases upwardly along the opposite sides of said elements between the latter and the flames.

2,066,665
PROCESS FOR THE TREATMENT OF ORES CONTAINING IRON
Thaddeus F. Baily, Canton, Ohio
Application July 18, 1934, Serial No. 735,811
19 Claims. (Cl. 75—11)



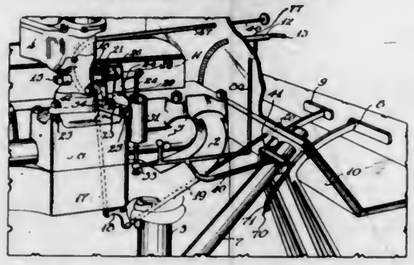
1. The process for treatment of ores containing iron which consists in continuously charging finely divided ore, and flux if required, into the top of a shaft furnace and allowing it to fall freely in counterflow to a current of heated gas, formed by the incomplete combustion of powdered coal and preheated air in the lower part of the shaft forming a gas composed substantially of CO, H and N at a temperature above 1400° C., which ascends through the shaft and reduces the iron oxide in the lower portion of the shaft, introducing additional fuel substantially without air a short distance above the combustion zone to enrich the reducing gas, collecting the reduced metal and slag forming constituents in the hearth portion of the furnace, admitting air above the reduction zone for preheating the charge, and removing the gases at the top of the shaft.

2,066,666
POWER-OPERATED CULTIVATOR
Gus E. Becker, Fresno, Calif.
Application June 5, 1935, Serial No. 25,023
5 Claims. (Cl. 97—232)



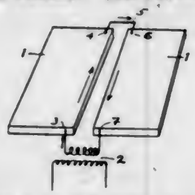
1. A farm implement vehicle comprising a chassis frame substantially of Y shape when viewed in plan, the two legs of the Y being elevated to clear growing crops and the tail of the Y being lowered and provided with a ground traction wheel arranged to roll in a path between two rows of crops, spaced steering wheels at the wide end of the frame supported thereby to roll in the spaces to the outer sides respectively of said two rows of growing crops, an engine carried by the narrow part of the frame at a point between said two rows of growing crops and operatively connected with said ground traction wheel, a driver's seat arranged to accommodate a driver facing forward toward the wide end of the frame, soil tools carried at opposite sides of the driver in position to be clearly visible to him at all times, said tools being adapted to engage the soil at the outer sides of said two rows of growing crops and behind said steering wheels, and controls for the engine, tools and vehicle accessible to the operator so positioned, the normal direction of travel of said vehicle being with the steering wheels leading and soil tools carried at the narrow end of said frame adapted to engage the soil behind said traction wheel and between said two rows of crops.

2,066,667
CARBURETOR CONTROL MECHANISM
Joseph Bellis, St. Paul, Minn.
Application May 22, 1933, Serial No. 672,151
10 Claims. (Cl. 192—.01)



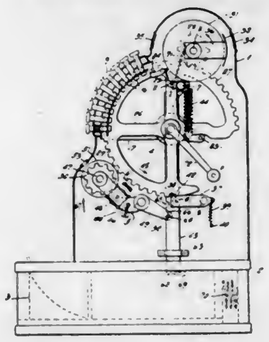
1. A carburetor control mechanism for an automobile having a motor, a control pedal, a foot throttle, a separately adjustable throttle and a carburetor control valve operatively connected thereto, comprising means normally urging said control valve to a closed position, motor actuated means operatively connected to said automobile motor and to said control valve to urge said control valve to an open adjusted position upon an actuation thereof, release means connected to said motor actuated means, said release means being positioned to be actuated by an operative movement of said control pedal to render inoperative said motor actuated means.

2,066,668
METHOD OF HEATING ELECTRICALLY CONDUCTING BODIES FOR INDUSTRIAL OPERATIONS
Edward Bennett, Madison, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
Application June 19, 1931, Serial No. 545,568
4 Claims. (Cl. 219—11)



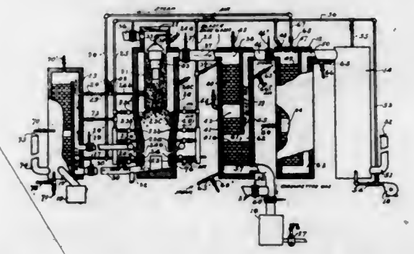
4. The method of heating a portion of an electrically conducting body along a desired narrow strip, which consists in connecting electrodes to the body at the ends of said strip, positioning an auxiliary conductor parallel to and in close proximity to the surface of said strip, connecting said auxiliary conductor in series with said body through the electrodes so that the current flows in opposite directions in said strip and auxiliary conductor, and impressing upon said circuit a varying current of such higher frequency than the usual industrial frequencies in relation to the degree of proximity of the auxiliary conductor to the strip that the electrical phenomena known as the proximity effect is utilized to concentrate the current in the strip.

2,066,669
CASH REGISTER
Tord Erik Daniel Bilde and Sten Eric Lindvall, Stockholm, Sweden
Original application February 28, 1929, Serial No. 343,512. Divided and this application May 31, 1930, Serial No. 457,800. In Sweden March 1, 1928
5 Claims. (Cl. 235—9)



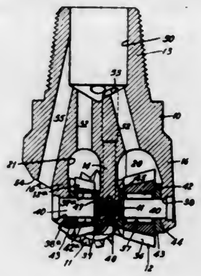
1. A cash register comprising setting key means, actuating means, an operating shaft, and a clutch device on said shaft and operative by rotation of said shaft, said clutch device being periodically operatively connected with said actuating means when said shaft is operated.

2,066,670
METHOD FOR MANUFACTURING GASES
Hiram J. Carson, Cedar Rapids, Iowa
Application October 31, 1930, Serial No. 492,457
5 Claims. (Cl. 48—204)



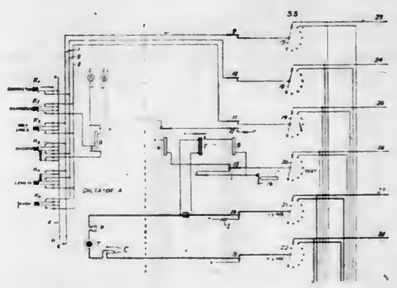
1. The herein described improvement in the method of manufacturing water gas which includes: air blasting a generator fuel bed to incandescence by air admitted in the lower portion thereof; alternately with the air blasting, admitting steam and a restricted amount of air simultaneously and admixed to the fuel column in the lower portion thereof above the air blast level for an up run and, alternately thereof, steam to the upper portion of the fuel column for a down run; drawing off the up run gases from the upper portion of the fuel column; drawing off the gas from the lower portion of the column; admitting air to the lower portion of the fuel bed during the up run of steam and in an amount restricted such that the heat liberated by the combustion thereof is less than the heat absorbed in the decomposition of the up run steam, and discharging ash and clinker-forming material as liquid slag.

2,066,671
ROLLER BIT
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application October 5, 1935, Serial No. 43,711
14 Claims. (Cl. 255—71)



1. A well bit including a shank having an inner projection projecting from its lower end adjacent its central axis and projections on its lower end spaced outwardly from the opposite sides of the inner projection, pins extending between and supported on the projections, and frustoconical cutters rotatably supported by the pins with their smaller ends facing inwardly, one cutter being shorter than the other, said short cutter being adjacent the central vertical axis of the shank, the said other being spaced outwardly from the said axis.

2,066,672
SYSTEM OF RECORDING
Louis A. de Berard, Glencoe, and George T. Martin, Chicago, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 14, 1930, Serial No. 467,854
23 Claims. (Cl. 179—100.4)



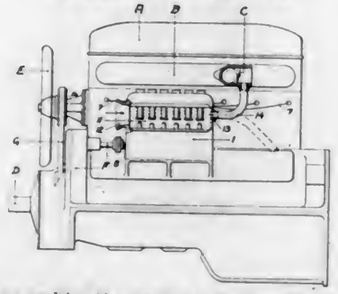
1. In a recording system, the combination of a dictating machine having combined recording and reproducing apparatus normally conditioned for recording and having electromagnetic means for conditioning said apparatus for reproducing, a remote dictating station, means at said station for controlling said machine to record dictation, means at said station for operating said electromagnetic means to condition said machine for reproducing the recorded dictation, and means at said station for indicating when said electromagnetic means is in operated condition.

2,066,673

DEVICE FOR CONVEYING HIGH-VOLATILE FUEL

Torbjörn Viktor Dillström, Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England, a corporation of Great Britain

Application October 22, 1932, Serial No. 639,062
In Germany October 29, 1931
6 Claims. (Cl. 123—139)



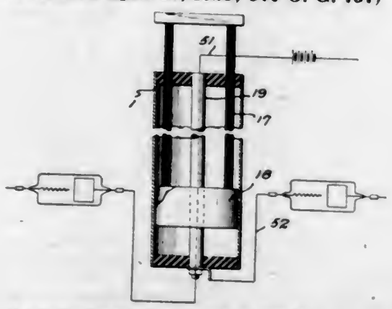
5. In combination with an internal combustion engine of the injection type, means for injecting high-volatile liquid fuel thereto, including an injector, a pump having a plunger, engine actuated mechanism for moving said plunger on its discharge stroke to force fuel to said injector, said mechanism including lubricated bearing parts disposed immediately below said plunger in a position to be contacted by liquid fuel leaking past said plunger and means for causing flow of air through the space between said plunger and said lubricated bearing parts to remove from the plunger in vapor form fuel leaking past said plunger before such leaking fuel can reach any of said lubricated bearing parts.

2,066,674

MULTISTAGE ULTRA HIGH RADIO FREQUENCY AMPLIFIER

Francis W. Dunmore and Leo L. Hughes, Washington, D. C., assignors to the Government of the United States, represented by the Secretary of Commerce

Application December 27, 1935, Serial No. 56,350
9 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



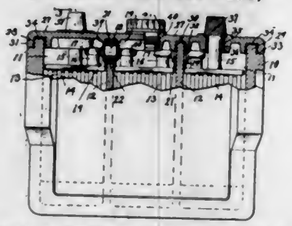
1. A multistage ultra high radio frequency amplifier using plunger type tuned concentric transmission lines as coupling impedances between stages, with the longest axis of each line parallel to the longest axis of the other lines and equidistant from a common center, whereby the wiring to the various tube elements is reduced to a minimum.

2,066,675

STORAGE BATTERY

Carl J. Dunzweiler, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application January 14, 1932, Serial No. 586,524
Renewed December 3, 1935
7 Claims. (Cl. 136—134)



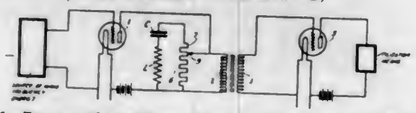
1. A storage battery comprising a container having a partition dividing the interior thereof into compartments, said partition having a recess in the top edge thereof formed with an arcuate bottom and with substantially straight sides extending upwardly therefrom to the top edge of the partition, battery elements in said compartments including plate groups provided with posts extending upwardly adjacent said recess, a conductor extending through said recess and connecting said posts, and a bushing of yieldable material surrounding said conductor, said bushing having an arcuate bottom and substantially straight sides engaging the aforementioned correspondingly shaped portions of said recess and integral flanges engaging opposite sides of said partition adjacent the recess therein and for the full depth of the said recess.

2,066,676

TONE CONTROL

Popko Reinder Dyksterhuis, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware

Application August 30, 1930, Serial No. 478,832.
Renewed September 21, 1933. In the Netherlands September 25, 1929
13 Claims. (Cl. 179—1)



1. In combination, in an audio amplifier, at least a pair of electron discharge tubes, a coupling means between the input circuit of a succeeding tube and the output circuit of a preceding tube, a resistor in shunt with said coupling means and including means for adjustably connecting a point of high audio frequency potential of said coupling means to said resistor, a series resonant path, including an inductance and capacity, connected in shunt with said resistor.

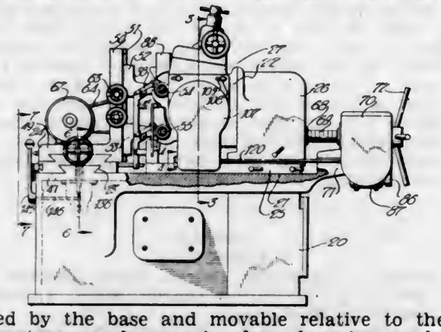
2,066,677

GRINDING MACHINERY

Sol Einstein, Cincinnati, Ohio, assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts

Application October 26, 1931, Serial No. 571,029
36 Claims. (Cl. 51—103)

25. An internal grinding machine comprising a base, a plurality of centerless work supporting structures on said base, each of said structures having a plurality of supporting members engageable with the periphery of a workpiece, a grinding wheel for each of said structures carried by the base and movable relative to the structures, and a carrier for advancing workpieces from one supporting structure to the next.

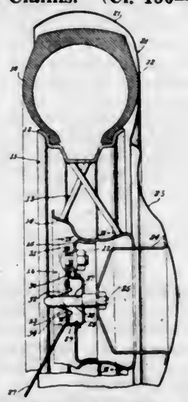


2,066,678

COVER AND WHEEL ASSEMBLY

Arthur P. Fergueson, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan

Application November 24, 1934, Serial No. 754,589
24 Claims. (Cl. 150—54)



1. In a spare wheel assembly, a spare wheel, a cover including a side portion disposed over the central area at the inner periphery of the wheel, resilient cover retaining means in said central area, and means associated with said cover side portion and projectable within said periphery and automatically engageable with said retaining means as the cover is placed in position over the wheel for holding the cover in said position, said retaining means being shielded by said side portion when the cover is in said position.

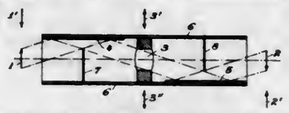
2,066,679

PRINTING-APPARATUS FOR LENTICULATED FILMS

Fritz Fischer, Berlin-Charlottenburg, Germany, assignor to Opticolor Aktiengesellschaft, Glarus, Switzerland, a corporation of Switzerland

Application October 21, 1933, Serial No. 694,561
Renewed June 9, 1936. In Germany September 15, 1933.
13 Claims. (Cl. 88—24)

1. In combination, a film having thereon a multiplicity of lenticulations, an optical system comprising a lens through which and said film light may pass, optical means forming a virtual image of said lens at one side only of the optical axis thereof, and means to rotate at



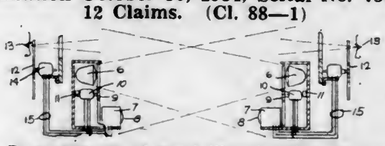
least part of said optical system with respect to said film and about the optical axis of the system, whereby said virtual image is caused to move about the axis of the system.

2,066,680

GLARE ELIMINATING SYSTEM

Marion W. Gieskieng, Little Rock, Ark., and Paul F. Gieskieng, Denver, Colo.

Application October 30, 1934, Serial No. 750,651
12 Claims. (Cl. 88—1)



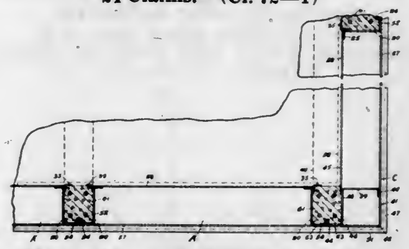
8. In a system of road illumination, in combination, a vehicle, a source of light thereon, means for periodically interrupting the light, a movable shutter positioned in the light path between the light source and the eye of an observer located at an observation point spaced from the light source, said shutter operating to interrupt the observer's line of vision, means connected with the observing shutter for operating it, comprising a motor having a speed control device responsive to current frequency variations, and a light sensitive, current varying device operatively connected to the speed control device and exposed to rays of intermittent light from the vehicle, for synchronizing the operation of the light and sight interrupting means so that the observer's line of sight will be interrupted when the light beam is projected.

2,066,681

FIREPROOF BUILDING

William M. Goldsmith, Cincinnati, Ohio

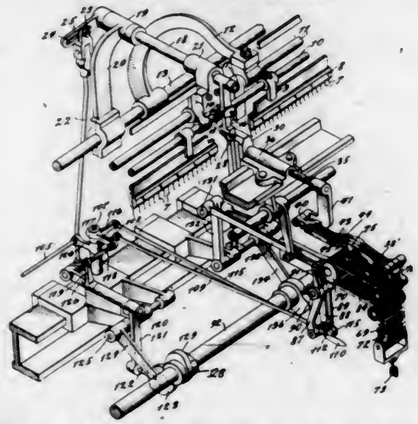
Application November 1, 1933, Serial No. 696,249
24 Claims. (Cl. 72—1)



1. Means for constructing a building comprising a series of structural wall sections having substantially the same over-all dimensions, and having interior and exterior faces, and cooperative identical side pieces on all of the sections, each side piece comprising a flange extending substantially parallel to the exterior face of the wall section and outwardly from the section a distance approximating half the width of a concrete column to be poured adjacent to the wall sections, and means for securing the

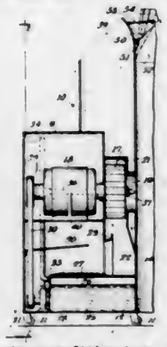
flanges of one wall section to those of an adjacent section, the flanges and side pieces of adjacent sections providing exterior and side walls for the concrete columns and fastening means extending from the interior face of each section for fixing a plank in position to define an interior wall for such column thereby to eliminate scaffolding the building exterior.

2,066,682
MECHANISM FOR KNITTING
Alfred Graenz, Philadelphia, Pa., assignor to Non-Run Fabric and Machine Co., Inc., New York, N. Y., a corporation of New York
Application August 5, 1932, Serial No. 627,550
25 Claims. (Cl. 66—96)



1. In a knitting machine, a row of needles, means cooperating with said needles to form successive courses and wales of loops, a row of locking points adapted to cooperate with said needles to engage loops thereon and to displace them therefrom, means to move said points lengthwise of said needles to engage loops thereon, means arranged to be actuated by said movement to shift said points parallel to said row of needles to select the loops with which the points are to engage, and means to move said points after engagement with said selected loops into adjacent wales.

2,066,683
PORTABLE FUME REMOVER
Nicholas Grubelic, Great Neck, N. Y.
Application June 3, 1933, Serial No. 674,152
8 Claims. (Cl. 91—60)



1. Portable air-conditioning apparatus adapted to draw fume-laden air thereinto and to discharge the air free of fumes, comprising a movable support, foldable space-defining means carried by the support, and air-conditioning means carried by the support including a suction fan, a tank adapted to contain liquid arranged below the fan, a duct arranged around the fan and flared at its bottom to direct air toward the tank, means for spraying the fan with liquid from said tank and thereby to cleanse the air drawn into said duct, an air-discharge duct communicating with the inlet duct, and means interposed between said ducts to prevent liquid from leaving the discharge duct.

2,066,684
LOCK NUT
Chester C. Harbridge, Detroit, Mich., assignor to Pin Lock Corporation, Detroit, Mich., a corporation of Michigan
Application April 6, 1933, Serial No. 664,709
7 Claims. (Cl. 151—5)



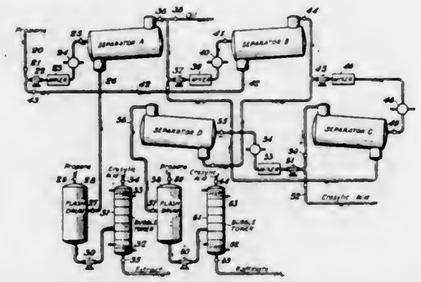
1. As a new article of manufacture a lock nut adapted for use with a bolt having a threaded shank with a longitudinal groove in outer end thereof for a transversely bendable locking pin, said nut having an internally threaded bore extending longitudinally therethrough for receiving the threaded end of the bolt and having in the outer end thereof comparatively wide, radially extending, pin-receiving notches each of which has sides which flare outwardly longitudinally of the pin to facilitate bending of the pin into it when it is adjacent to, but not directly aligned with, the groove.

2,066,685
PROCESS OF RECOVERING SULPHURIC ACID FROM SEPARATED SLUDGE ACID
Ingenuin Hechenbleikner and Frank J. Bartholomew, Charlotte, N. C., assignors to Chemical Construction Corporation, Charlotte, N. C., a corporation of Delaware
No Drawing. Application April 17, 1931, Serial No. 531,004
2 Claims. (Cl. 23—173)

2. The method of recovering sulphuric acid from separated dilute sludge acid which consists in subjecting the separated sludge acid, under a pressure sufficiently elevated to prevent distillation of sulphuric acid at the temperature used, to heat treatment at a temperature high enough to vaporize hydrocarbon compounds, and not high enough to decompose the acid, the heating being maintained for a sufficient length of time so that the hydrocarbon compounds present are vaporized and separately withdrawing the hydrocarbons as distillate and the dilute acid as a residue.

2,066,686
SOLVENT FRACTIONATION
Webster B. Kay, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 22, 1935, Serial No. 32,506
14 Claims. (Cl. 196—13)

1. In a process for the fractionation of a system comprising lubricating oil, a liquefied normally gaseous hydrocarbon and an organic selective solvent, said system being characterized by a pressure-temperature phase diagram in which an area in which one liquid phase and no vapor phase exists is separated from an area in which two liquid phases and no vapor phase exist by a line which slopes from a point of high



temperature and low pressure to a point of low temperature and high pressure, the steps which comprise bringing said system to a temperature and pressure represented by a point in said first-mentioned area and then lowering the pressure on said system to bring said system to a temperature and pressure represented by a point in said second-mentioned area.

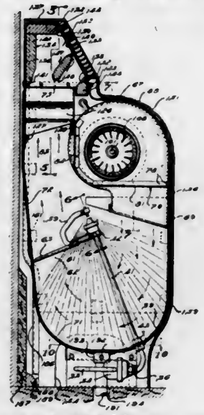
2,066,687
CARBON TRANSFER RIBBON
George T. Hudspeth, Dallas, Tex.
Application October 13, 1934, Serial No. 748,172
2 Claims. (Cl. 197—172)



1. As a new article of manufacture, a transfer medium, the combination of a backing web whose width is a fraction of its length and having the characteristics of "Cellophane" and also having its edges turned inwardly and spaced apart to define an area longitudinally of said medium intermediate said edges, a coating of transfer composition disposed in said area intermediate the confronting edges and of a thickness equalling the thickness of said transfer medium.

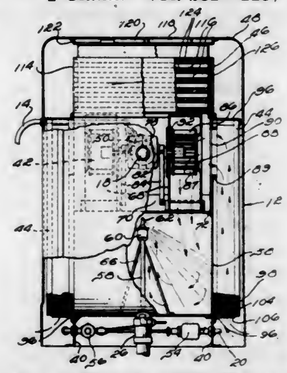
2,066,688
AIR CONDITIONING APPARATUS
Lester S. Keilholtz, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application December 20, 1933, Serial No. 703,279
14 Claims. (Cl. 261—115)

1. An air conditioning apparatus comprising a casing adapted for the circulation of air internally thereof, a blower compartment arranged in said casing and having blower outlets therein for directing a blast of air within the casing in a predetermined direction, means for discharging finely divided liquid particles into said blast of air within said casing, said blower outlets having inclined drain means arranged along the lower edges thereof, for draining moisture, collecting



upon the surfaces of said blower outlets, toward the inside walls of said casing.

2,066,689
AIR CONDITIONING APPARATUS
Lester S. Keilholtz and Le Roy A. Volberding, Detroit, Mich., assignors, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application January 19, 1934, Serial No. 707,294
1 Claim. (Cl. 261—115)

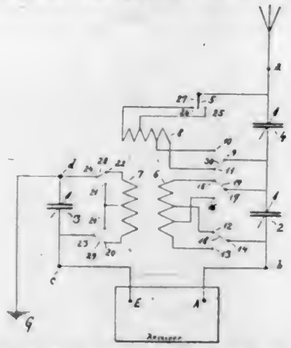


In an air conditioning unit, the combination of a casing affording a spray chamber with a spray nozzle disposed within said chamber and adapted to create a spray formation therein, a feed water conduit for supplying water to said spray nozzle, and a brace connected to said casing and to said spray nozzle for securing the nozzle against accidental displacement, said brace affording a means for conveying water collecting upon said spray nozzle to a point adjacent the inner walls of said casing.

2,066,690
FILTER FOR RADIO SETS
Felix Keller, Frankfort-on-the-Main, Germany
Application March 24, 1932, Serial No. 600,992
2 Claims. (Cl. 250—20)

1. A filter device to be used in connection with wireless receiving stations which comprise a receiver, antenna and ground connection in order to eliminate local broadcast stations and to separate from each other interfering stations with

but slightly different wave lengths, consisting of a set of two series-connected oscillation circuits coupled with each other conductively and of a third and separate oscillation circuit, which is coupled inductively with at least one of the said series-connected oscillation circuits and contains



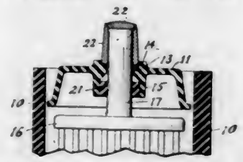
a variable capacitance, the said set of two oscillation circuits having connection on one side to the antenna and on the other side to the aerial terminal of the receiver, but the said third and separate oscillation circuit having connections on the one side to the ground connection of the receiver and on the other side to the ground.

2,066,691

BATTERY TERMINAL

Henry W. Lormor, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application February 27, 1932, Serial No. 595,573
3 Claims. (Cl. 136—168)



1. In combination with a battery cover having a circular opening therethrough and having a rabbet in its upper surface surrounding said opening, a terminal post of substantially cylindrical form throughout its length extending through said opening, a tightly fitting thimble consisting of a sleeve having a tapered outer wall and mounted upon the upper end of the post surrounding the entire exposed portion thereof and with the lower end of the sleeve projecting into said rabbet, and means for effecting a good electrical and mechanical union between said post and said thimble.

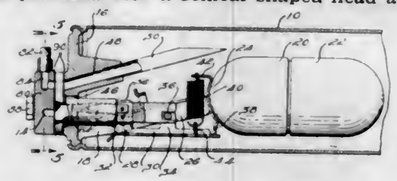
2,066,692

VALVE

Edward M. May, Birmingham, Mich., assignor, by mesne assignments, of one-half to Borg-Warner Corporation, a corporation of Illinois

Application May 31, 1934, Serial No. 728,242
3 Claims. (Cl. 137—68)

1. In an evaporator, a closed container providing an evaporating chamber and having an aperture in a wall thereof, a valve assembly for controlling the supply of liquid refrigerant to said chamber and comprising a body member disposed within said opening and extending within said chamber, an integral head flange for said body member located forwardly of said wall for limiting the depth to which said member may be inserted into said chamber, a passageway extending through said valve body and provided with a valve seat, a lever pivotally mounted on said valve body and provided with a portion whereby the same may be detachably connected to a float mechanism secured within said chamber independently of said body member, a pin pivotally connected at one end thereof to said lever and provided with a conical shaped head at the



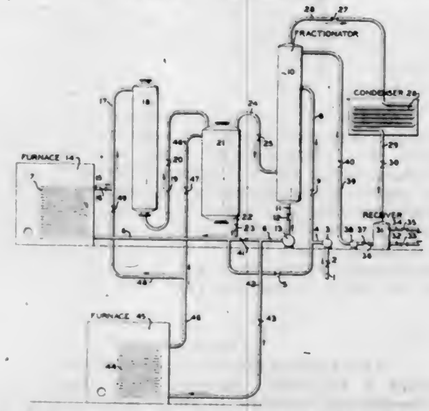
other end thereof, said head affording a valve member cooperable with said seat for controlling the flow of fluid through said passageway, the conical shaped head of said pin being slidable on said valve seat and the other end of said pin being movable in an arcuate path by said lever, a retaining member for holding the head flange of said body member against said wall, and means passing through aligned openings in said head flange and said retaining member and engageable with a portion of said wall for securing said retaining member and valve body member in position.

2,066,693

CONVERSION OF HYDROCARBON OILS

Jacque C. Morrell, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application December 1, 1930, Serial No. 499,281
3 Claims. (Cl. 196—48)



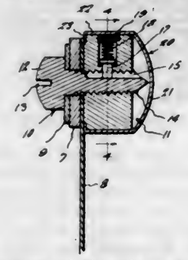
1. A process for the cracking of hydrocarbon oils, which comprises subjecting said oil to cracking conditions of temperature in a heating zone, passing the heated products to an enlarged reaction zone where further cracking takes place, maintaining superatmospheric pressure in the heating zone and in the reaction zone, introducing all of the products of reaction to a reduced pressure zone wherein vapors separate from non-vaporous residue, removing the non-vaporous residue and isolating same from the system, passing the evolved vapors from said reduced pressure zone to a fractionating zone where further separation occurs and wherein the heavier fractions condense as reflux condensate, passing regulated portions of the reflux condensate from said fractionating zone to a separate heating zone, subjecting said reflux condensate in said separate heating zone to further cracking at an elevated temperature higher than the temperature maintained in said first mentioned heating zone, and selectively directing said reflux condensate from said separate heating zone to the reaction zone and to the reduced pressure zone.

2,066,694

SAFETY LICENSE TAG FASTENER

Anton T. Padavic, Jr., Quincy, Ill.

Application November 26, 1935, Serial No. 51,668
4 Claims. (Cl. 40—125)



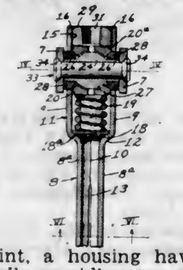
2. In a structure of the class described, a locknut provided with a spring pressed locking pawl, a protector shell substantially enclosing said nut and rendering said locking pawl inaccessible, said shell being divided by a malleable tear strip into quickly separable sections, said tear strip being constructed to accommodate a coiling and strip removing key to permit the shell to be separated into sections and to allow authorized removal from the nut to permit access to be had to the locking pawl.

2,066,695

JOINT

Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application July 23, 1934, Serial No. 736,493
4 Claims. (287—90)



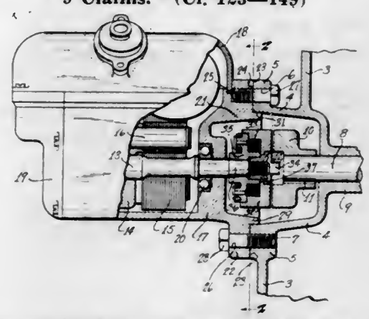
1. In a joint, a housing having intersecting cylindrical walls providing an axial and a transverse bore, a bearing assembly within said bores including a member having ends extending freely through the transverse bore, resilient grommets surrounding said extended ends and in complete annular contact with the wall of said transverse bore, and a member having a bifurcated end connected to said extended ends and in contact with said grommets to confine said grommets in place to seal said transverse bore while permitting relative angular movement between said housing and said connected member.

2,066,696

MOUNTING STRUCTURE FOR MAGNETOS

Curt F. Reis, Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill., a corporation of Illinois

Application April 19, 1934, Serial No. 721,294
Renewed July 24, 1935
9 Claims. (Cl. 123—149)



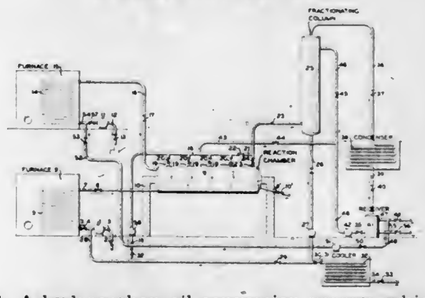
1. In combination with an engine casing structure, a hollow flanged projection thereon, a magneto, a magneto drive shaft extended into the said projection, a coupling on the drive shaft, a magneto casing having a hollow flanged projection adapted to mate with that on the engine casing structure, holding elements securing the flanges of said projections in assembled relation, and means within the flanged portions of the projections for determining alignment of the magneto with respect to the drive shaft, the hollow portions of the projections coacting in assembly, to provide a chamber for the accommodation of the magneto coupling.

2,066,697

TREATMENT OF HYDROCARBON OIL

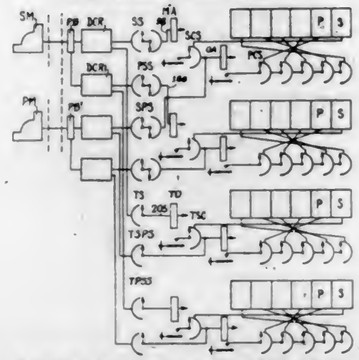
Jean Delattre-Seguy, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 22, 1930, Serial No. 497,373
Renewed March 28, 1934
6 Claims. (Cl. 196—53)



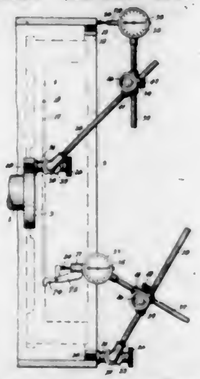
1. A hydrocarbon oil conversion process which comprises heating the charging oil to a hydrogenating temperature under pressure in a heating zone, thence introducing the heated oil into a reaction zone and reacting the same therein with hydrogen under hydrogenating conditions of temperature and pressure, removing and dephlegmating hydrogenated vapors and then subjecting the same to final condensation thereby forming gasoline-containing distillate, and introducing a portion of the gasoline-containing distillate into the reaction zone to control the reaction temperature therein.

2,066,698
ELECTRIC TOTALIZER
Lancelot Martin Simpson, Thorner, England, assignor to Automatic Electric Company Limited, Liverpool, England, a British company
Application February 21, 1930, Serial No. 430,414
In Great Britain March 28, 1929
41 Claims. (Cl. 235—92)



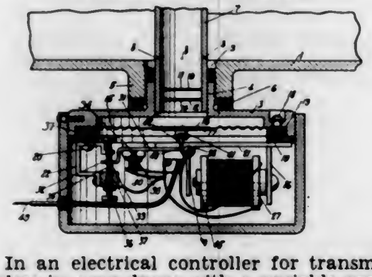
24. A ticket issuing machine for use in a registering system having equipment for registering each ticket issued, said machine comprising ticket issuing mechanism, means controlled from the machine for transmitting an impulse to the register equipment for operating said equipment to register a ticket, means controlled in the operation of said equipment upon receipt of such impulse for thereafter transmitting an impulse of current over a circuit back to said machine, and a relay energized over the circuit by said last impulse for operating said mechanism to issue a ticket.

2,066,699
CARRIER FOR INDICATING GAUGES
Charles E. Skelton, Syracuse, N. Y., assignor to Ira Saks, Cleveland, Ohio
Application May 21, 1934, Serial No. 726,642
2 Claims. (Cl. 248—279)



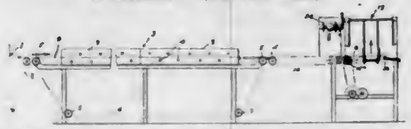
2. A carrier for indicating gauges comprising a bracket having means for attaching it to a support, an arm adjustably pivoted to the bracket and shiftable into different angular positions relative thereto, a carriage adjustable lengthwise of the arm, a second arm for carrying the gauge, the second arm being mounted in the carriage to have endwise adjustment relatively thereto and also a pivotal adjustment, and means operable to hold said arms and the carriage in their adjusted position, the means for holding the first arm in its pivotally adjusted position and the bracket attaching means having an operating member in common and the means for holding the carriage and the second arm in their adjusted positions including a single operating member.

2,066,700
MEASURING MECHANISM
Frank M. Slough, Cleveland, Ohio
Application August 26, 1929, Serial No. 388,287
5 Claims. (Cl. 177—351)



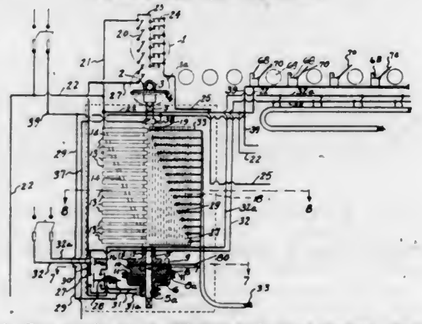
1. In an electrical controller for transmitting impulses in accordance with a variable pressure, a switch comprising contacts and an oscillatably mounted switch arm, variable pressure producing means for applying switch closing pressure yieldably at a point adjacent the axis of oscillation of the switch arm, a thermostat adapted to exert thermally effected force on the switch arm in the switch opening direction at a point remote from the oscillation pivot, a source of current, an electrical heating element for heating said thermostat, electrical circuit conductors interconnecting said switch contacts and said source of current with said heating element, whereby said switch under the joint control of said pressure producing means and said thermostat is operated periodically to close responsive to pressure and open responsive to heating of the thermostat to periodically electrically energize said heating element, and an electro-magnet energizable by current from said source through the switch contacts when closed and disposed to exert a yieldable force on the switch arm at a point adjacent the pivot of oscillation and in the direction to assist the pressure producing means to yieldingly hold the switch closed and adapted to effect a snap-action release of the switch arm when opened by the thermostat.

2,066,701
PROCESS FOR SETTING NEWLY PASTED STORAGE BATTERY PLATES
Edward W. Smith and Clarence A. Hall, Philadelphia, Pa., assignors to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application November 3, 1932, Serial No. 641,035
3 Claims. (Cl. 136—33)



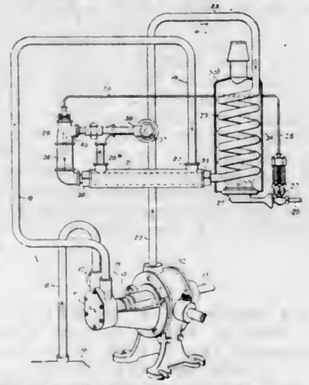
1. The herein described process which consists in setting the paste of newly pasted, storage battery plates before substantial evaporation takes place by heating the plates to a relatively high temperature short of the boiling point in a humid atmosphere at atmospheric pressure, evaporating a part of the moisture from the paste by exposing the heated plates to an unsaturated atmosphere at atmospheric pressure, and retaining the residual moisture in the paste by placing the plates face to face in contact with each other.

2,066,702
AUTOMATIC SHEET MEASURING AND SORTING DEVICE
Howard C. Snyder, Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application February 10, 1932, Serial No. 592,203
14 Claims. (Cl. 209—82)



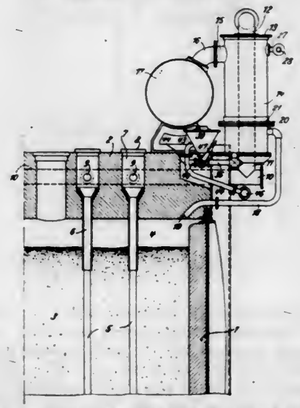
1. In a sheet sorting and measuring device having a plurality of selective delivery mechanisms associated with a conveyor, measuring means, selective mechanism associated with said measuring means, controlling means comprising a plurality of ball race-ways, means for causing balls to pass intermittently through said race-ways in a series of stages, means actuated by the sheet as it passes certain predetermined stations along the conveyor, for controlling said last mentioned means, an operative connection between said selective means and said controlling means to release a selected ball, and means for causing said ball to actuate a selective delivery mechanism after having passed to the final stage of its particular race-way.

2,066,703
METHOD OF ATOMIZATION AND DELIVERY OF HIGHLY VISCOUS HYDROCARBON FUELS
Thomas J. Stephens, Brooklyn, N. Y.
Application January 16, 1932, Serial No. 587,087
2 Claims. (Cl. 158—117.5)



1. In the art of atomizing liquid fuel by the use of air, the steps of preheating the air, flowing the fuel and the preheated air in heat exchange relation without mixing to reduce the viscosity of the fuel, controlling the preheating of the air by the temperature of the air beyond the place of heat exchange, discharging the heated fuel as a jet, and discharging the air to atomize the heated fuel.

2,066,704
PRODUCTION OF COKE AND GAS IN CHAMBER OVENS
Carl Still, Recklinghausen, Germany
Application May 12, 1931, Serial No. 536,850
In Germany May 19, 1930
2 Claims. (Cl. 202—30)

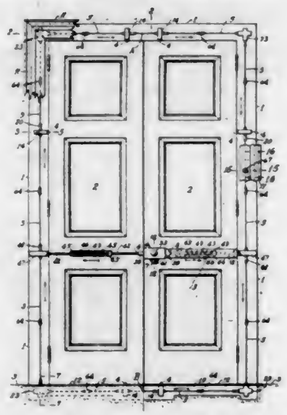


1. The process of withdrawing volatile distillation products from the interior of a charge of coal in an externally heated chamber oven for the production of coke and gas and wherein a gas collecting space is arranged above the coal charge, which comprises the steps of initially maintaining said gas collecting space above the charge at atmospheric pressure, automatically maintaining this pressure in the gas collecting space above the charge substantially constant throughout the period of distillation, withdrawing volatile distillation products from only the interior of the charge by suction below atmospheric pressure, and automatically varying the suction within the interior of said charge by the change of said pressure in said gas collecting space to increase the suction within the interior of the charge as the pressure in the gas collecting space increases and vice versa to diminish the suction within the interior of the charge as the pressure decreases in the gas collecting space.

2,066,705
LOCKING SYSTEM FOR DOORS AND WINDOWS
Antonio Posse Vazquez, Habana, Cuba
Application December 14, 1935, Serial No. 54,505
In Cuba September 11, 1935
4 Claims. (Cl. 70—74)

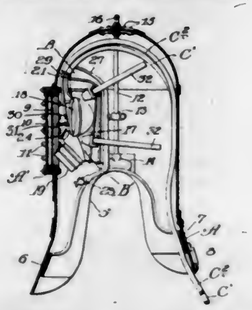
1. A locking system for doors, comprising a plurality of bolt locking devices located at the lintel and jambs of the door-frame and at the threshold of the door in cooperation with recesses formed in the outer edges of these leaves, devices for transmitting a draw action in perpendicular directions, which are mounted on the corners of the door-frame, means for connecting the locking devices and the draw action transmitting devices to form a loop around the door,

a lock, a hand-controlled mechanism mounted adjacent the lock, means operable upon locking said lock for placing the control mechanism in operative position, devices for transmitting a draw action in perpendicular directions, which are fixed to the jambs of the frame in transverse alignment with the control mechanism, means under elastic tension for transmitting the push action from the control mechanism to the side



devices transversely aligned with it, which operate in opposed directions to produce movement of the loop formed by the connecting means between the locking devices at each side of the separating line between both door-leaves, and resilient means acting on the side draw action transmitting devices for forcing the latter to take a suitable position for receiving the push action from the control mechanism.

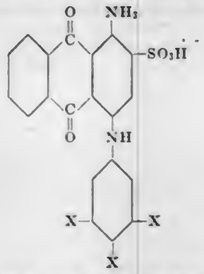
2,066,706
RESPIRATORY PROTECTIVE APPARATUS
William E. Watters, Maywood, Ill.
Application April 21, 1934, Serial No. 721,798
5 Claims. (Cl. 128—141)



1. In combination: an open-bottom helmet having a substantially air-tight head-portion equipped with a window, said helmet being adapted to fully enclose the head and neck of a man; and a mask comprising a face covering with a window therein, a conduit positioned to conduct air into said mask and direct some of the air against the inner portion of said mask-window, a second conduit positioned to direct air against the outer portion of the mask-window and against the inner portion of the helmet-window, and adjustable means for controlling the flow of air through each of said conduits individually.

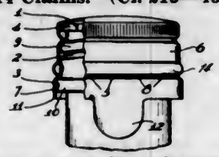
2,066,707
ACID WOOL DYESTUFFS OF THE ANTHRAQUINONE SERIES
Klaus Weinand, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 30, 1935, Serial No. 38,660. In Germany September 14, 1934
4 Claims. (Cl. 260—60)

1. The product of the following formula:



wherein X stands for a halogen selected from the group consisting of chlorine and bromine, these products dyeing wool from an acid bath blue shades of excellent fastness to chlorine.

2,066,708
CLOSURE FOR BOTTLES OR OTHER CONTAINERS
Samuel D. Young, Edgbaston, Birmingham, England, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1932, Serial No. 621,129
In Great Britain July 8, 1931
14 Claims. (Cl. 215—43)

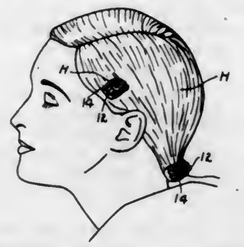


1. A one-piece metallic closure of cup-like form for a bottle or other container in which the metal of the flange is perforated at intervals along a circumferential line so as to provide an upper portion capable of serving as a re-closure for the container and a lower sealing portion adapted to be spun under a formation on the container, the upper portion of the flange thereof being provided with an indentation in the form of a screw thread for cooperation with a similar formation on the exterior surface of the container, and the lower portion of the flange being tubular, said first mentioned formation on the container under which the tubular sealing portion is adapted to be spun being located below the last mentioned formation on the container, and said closure being adapted to fracture along the perforations on rotation thereof without distortion of the threads or under-spun flange.

2,066,709
HAIR CURLING AND SECURING DEVICE
John H. Adams, Seattle, Wash.
Application July 9, 1935, Serial No. 30,532
3 Claims. (Cl. 132—31)

1. A hair-curling and securing device consisting of a core of loosely twisted wire, tufts of fibrous material held between said twists of wire

and protruding at opposite sides of the wire to form a body for said device having an outside diameter several times greater than the diameter of the twisted wire; said curling device being

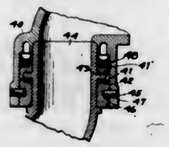


formed with a handle portion and two leg portions extending substantially in the same direction, and the free end of each leg portion being bent back upon itself to conceal the extremities of the twisted wire.

2,066,710
PURIFICATION OF WATER AND OTHER LIQUIDS
Atilio Antonio Manuel Bado, Buenos Aires, Argentina
No Drawing. Application November 25, 1933, Serial No. 699,803. In Argentina August 22, 1933
2 Claims. (Cl. 99—220)

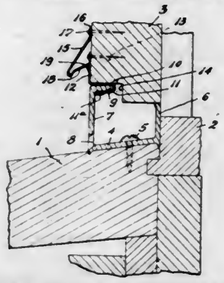
2. Process for the manufacture of a product for the sterilization and filtering of liquids, consisting in granulating into grain size clinker of industrial cement, and macerating said clinker in a cold solution of metallic nitrates, the metals for said nitrates being selected from a group consisting of silver and copper; whereby the metals become fixed on the granulous particles of said clinker constituting the sterilizing and filtering product, the duration of such maceration being between 8 and 20 hours.

2,066,711
SWING JOINT
Charles G. Banks, Los Angeles, Calif., assignor to Frank L. A. Graham, Los Angeles, Calif.
Application May 9, 1933, Serial No. 670,064
1 Claim. (Cl. 285—9)



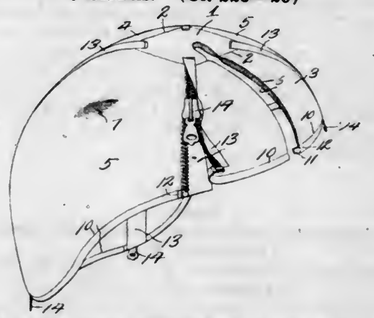
A conduit connection of the class described embodying: an outer conduit section; an inner conduit section extending into said outer conduit section and having a flange thereon within said outer conduit section; a split bushing removably mounted in said outer conduit section and surrounding said inner conduit section, said bushing having a groove therein containing said flange; means for locking said bushing in said outer conduit section; and packing means mounted on the top of said bushing with annular faces engaging the exterior of said inner conduit section and the interior of said outer conduit section, respectively.

2,066,712
CASEMENT WINDOW WEATHERSTRIP MEANS
Elmer D. Barringer, Cleveland, Ohio
Application July 15, 1935, Serial No. 31,498
4 Claims. (Cl. 20—69)



1. In weatherstrip construction for swinging casement windows, in combination, a window sash, a hook weatherstrip member carried by said sash and provided with a guide or gauge part thereon, and a separate rain-drip member having a portion to cooperate with said guide or gauge part of the hook member to facilitate the proper positioning of the rain-drip member on the sash, and fastening means for connecting the rain-drip member and the hook member to the sash.

2,066,713
ADJUSTABLE HEAD SIZE FORM
Ruth A. Bowland, Tulsa, Okla.
Application June 18, 1934, Serial No. 731,177
7 Claims. (Cl. 223—25)

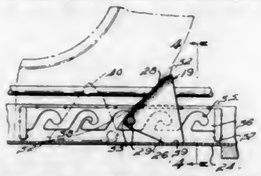


1. A head form comprising a central crown portion, a plurality of form sections hingedly connected to the crown portion, chambers in said crown portion and hinged sections and in which a plastic solidifying material is disposed, slide fastener connections between the adjacent edges of said hinged connected sections, said form being adapted to be placed on a head in a plastic condition and solidified to form.

2,066,714
CAR LOADING DEVICE
Samuel D. Butterworth, Detroit, Mich., assignor of ninety-nine per cent to The Worth Company, a corporation of Michigan
Application November 21, 1934, Serial No. 754,013
10 Claims. (Cl. 105—368)

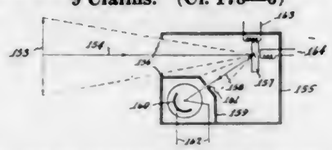
1. In combination, a support, bars at the sides of the support connected thereto and vertically spaced therefrom and having spaced notches extending upward from their lower edges and terminating in reversely directed and closed ends,

a chock block between the bars, and pin elements projecting from the block and into the spaces between the lower edges of the bars and the support, said pin elements being slidable lon-



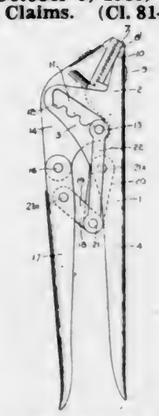
gitudinally in said spaces and being movable upwardly selectively into the notches and then downwardly in the closed ends, whereby the block may be held in various positions of longitudinal adjustment.

2,066,715
TELEVISION APPARATUS
Melchor Centeno V., Caracas, Venezuela, assignor to International Television Radio Corporation, New York, N. Y.
Application August 4, 1932, Serial No. 627,519
9 Claims. (Cl. 178—6)



1. A pickup camera for television or facsimile comprising a closure, an opening in said closure for viewing therethrough an externally positioned image from within said closure, a single, two direction vibrated, mirror scanner positioned in said closure in line with said opening and said externally positioned image, and angularly facing said opening, and a photo-electric cell located within said closure in a position within the field of reflection of said mirror scanner, and out of line of view between said mirror scanner and said image.

2,066,716
PLIERS
Alexander Cruickshank, Clayburn, British Columbia, Canada
Application October 5, 1935, Serial No. 43,758
3 Claims. (Cl. 81—44)



1. A pair of pliers comprising a jaw member having an integral handle, a second jaw member pivotally connected to the first, a handle connected by a pivot pin to the second jaw member and connected by a toggle to the handle of the first jaw member, the pivotal connection between the first jaw member and the second jaw member consisting of a slotted member having a plurality of notches in which the pin is selectively engageable and a link connecting said pin intermediate the length of the toggle.

2,066,717
STABILIZED TERPENE-OXIDE PREPARATIONS
Stanislaus Deichsel, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 18, 1934, Serial No. 748,962. In Germany October 21, 1933
18 Claims. (Cl. 23—250)

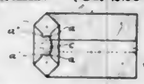
1. Composition of matter comprising a terpene-oxide in solution of a liquid halogenated hydrocarbon which is colored by the content of a fat-soluble dyestuff capable of absorbing the chemically active light, which solution is practically stable to light.

2,066,718
ENCLOSURE BULKHEAD
Louis F. Dietz, Englewood, N. J.
Application October 16, 1935, Serial No. 45,219
10 Claims. (Cl. 189—34)



7. A panel unit comprising a plurality of sections, said sections comprising each a pair of spaced sheathing members, opposite sheathing members of adjacent sections overlapping each other and each having a portion extending towards one another to form an enclosed space, and a locking key within said space, said key being driven and frictionally engaging the walls of the enclosed space.

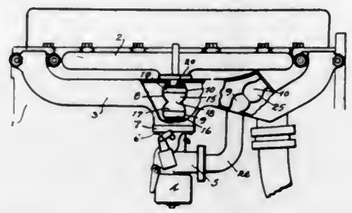
2,066,719
MANUFACTURE OF BAGS
John M. Driver, San Francisco, Calif.
Application May 14, 1935, Serial No. 21,396
2 Claims. (Cl. 229—59)



1. As a new article of manufacture, a bag of thin cellulosic material having a bottom including overlapping tabs disposed centrally of such bag bottom and secured together; said tabs having clean-cut side edges produced by slitting the web and such slits terminating in openings with clean-cut marginal edges, the holes through opposite webs of the bag being in registry when said webs are slitted to form the tabs preparatory to forming the bag bottom.

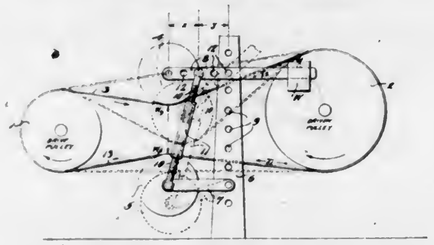
2,066,720
PREHEATER AND FIRING MIXTURE GASIFIER
William H. Duthoit, Winnipeg, Manitoba, Canada
Application March 18, 1935, Serial No. 11,591
3 Claims. (Cl. 261—12)

1. The combination with the carburetor and the intake and exhaust manifolds of an internal combustion engine, of a conduit passing through the exhaust manifold and connecting the carburetor with the intake manifold, said conduit presenting upper and lower bulbous portions connected by a contracted neck and a passage



for exhaust gases crossing the conduit and extending centrally through the neck and forming with the walls of the conduit, serpentine passages for the firing mixture passing from the carburetor to the intake manifold.

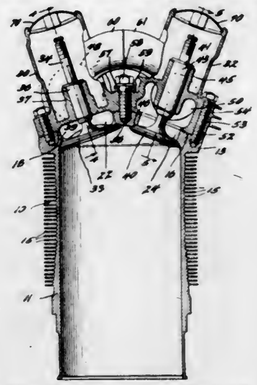
2,066,721
BELT TIGHTENING MEANS
John F. Eaton, Tulsa, Okla., assignor to Jarecki Manufacturing Company, Tulsa, Okla., a corporation
Application May 22, 1935, Serial No. 22,837
11 Claims. (Cl. 74—242.9)



1. In a device of the class described, the combination of a driving member, a driven member, a flexible connector extending about said members for transmitting power from the driving member to the driven member, and means for maintaining a uniform difference in tension between the slack and tight sides of the flexible connector in accordance with a predetermined optimum ratio and irrespective of the load transmitted by the flexible connector, said means including means regulated by the tight side tension and producing a substantially greater tight side tension than slack side tension.

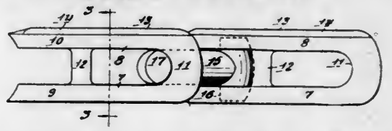
2,066,722
INTERNAL COMBUSTION ENGINE
Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 28, 1931, Serial No. 583,455
5 Claims. (Cl. 123—171)

1. In an internal combustion engine, the combination with a forged steel cylinder having an integrally formed head, the exterior of said head having flattened portions defined by planes forming acute angles with the axis of the cylinder, of valve housing means secured to the head and seated on said flattened portions, and a baffle associated with said cylinder and positioned above the head for directing a current of air downwardly on that portion of the cylinder remote



as regards the normal direction of movement of air past the cylinder.

2,066,723
CONVEYER CHAIN
Smith Eggleston and Dudley F. Holbert, St. Paul, Minn., assignors to Standard Conveyor Company, a corporation of Minnesota
Application June 11, 1934, Serial No. 730,018
1 Claim. (Cl. 198—189)

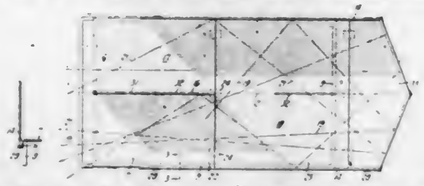


A conveyer chain comprising, a plurality of links each formed with U-shaped side members extending in parallel relation to each other and U-shaped top and bottom members extending parallel to each other at the opposite end of each link from said side members and formed integral therewith, each of said members being formed with an inner semi-cylindrical bearing surface, a narrow, vertical bar rigidly joining the longitudinal reaches of one of said side members of each link together in spaced relation to the ends thereof, a web substantially closing the top of each link, the side edges of said web sloping laterally outward and down to facilitate lateral movement of objects supported by the chain, and means connecting said links together comprising, a rigid member extending longitudinally of the chain and having cross heads projecting from its ends respectively to engage the side U-shaped members of one link and the top and bottom U-shaped members of the adjacent link, said cross heads having surfaces adapted to pivotally fit said semi-cylindrical surfaces of said U-shaped members and being arranged to constitute contact members for the teeth of sprocket wheels and the bottom and one side only of each link having openings for said teeth.

2,066,724
GAME
George H. Forsyth, Oak Park, Ill.
Application April 25, 1934, Serial No. 722,231
11 Claims. (Cl. 273—30)

2. A game to be played by simultaneous competition between a plurality of players using a single ball similar to a table tennis ball, com-

prising a generally horizontal playing surface wide enough to accommodate two side-by-side players at one end thereof, and a ball-deflecting dividing abutment upstanding substantially vertically from said surface to a height several times the diameter of said ball and extending



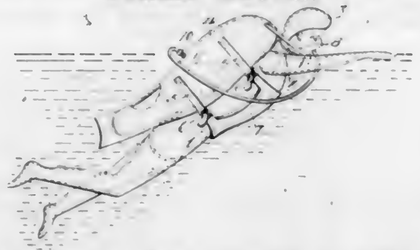
lengthwise of said surface to divide the surface into a plurality of playing areas one in front of each of said players but said abutment stopping short of the other end of said surface to permit free flight of the ball between said playing areas during competitive play.

2,066,725

LIFE BUOY BELT

James Gammaitoni, Wilkes-Barre, Pa., assignor of one-third to Joseph Gammaitoni and one-third to Noah Gammaitoni, both of Wilkes-Barre, Pa.

Application December 7, 1935, Serial No. 53,410
2 Claims. (Cl. 9—20)



1. A buoyant belt comprising an inflatable member adapted to be strapped to and conform to the contour of the back of the wearer, means carried by the inflatable member and adapted to engage the chest and abdomen of the wearer for maintaining the inflatable member in engagement with the back of the wearer, said inflatable member being downwardly tapered whereby the body will be supported in an upwardly and forwardly inclined position in the water, the upper enlarged end of the inflatable member terminating in registry with the back of the neck of the wearer, a loop carried by the upper end of the inflatable member, said loop arching the head of the wearer and chin of the wearer and forming means whereby the weight of the head of the wearer is supported from the upper end of the inflatable member.

2,066,726

METHOD OF PRODUCING SHEETS FROM UREA FORMALDEHYDE RESINS

Stefan Goldschmidt, Emil Gerisch, Wilhelm Beuschel, Karlsruhe, and Arthur Müller, Berlin-Charlottenburg, Germany, assignors, by mesne assignments, to Thekla Müller, Berlin-Charlottenburg, Germany

Application May 5, 1933, Serial No. 669,564
In Germany October 31, 1927
9 Claims. (Cl. 18—47.5)

1. In the production of transparent, substantially plano-parallel sheets from compositions containing condensation products of formaldehyde and its polymers with ureas, thioureas and mixtures thereof together with solvents therefor by pouring the composition into molds, solidifying the castings, and thereafter removing the castings from the molds and drying the castings, the improvement which comprises casting the composi-



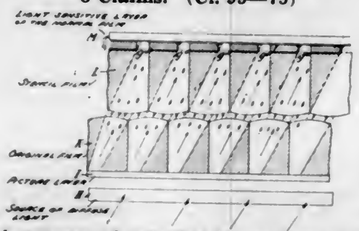
tions in closed molds composed of non-metallic material and drying the solidified castings after removal from the molds in a medium containing a controlled amount of the same solvent which is to be removed from the castings during the drying operation.

2,066,727

PHOTOGRAPHIC PRINTING

Gerd Heymer, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application April 25, 1932, Serial No. 667,925
In Germany April 30, 1932
8 Claims. (Cl. 95—75)



1. A process of printing in contact color part pictures from lenticular film onto normal film, which comprises arranging in contact a lenticular film bearing a silver picture taken behind a multi-color filter and a "stencil film" having in its emulsion layer behind each lenticular element a blackened and a transparent strip which cause a direction of the light falling on the "stencil film" in a manner characteristic for the partial color picture to be printed with their embossed sides facing each other, placing a normal film with its light sensitive emulsion layer in contact with one of said films arranged in contact, and exposing with a source of diffuse light through the other film.

2,066,728

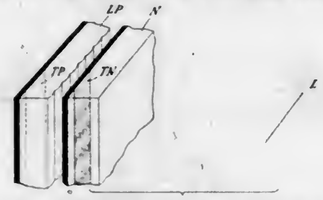
PRINTING SOUND RECORD

Gerd Heymer, Wolfen Kreis Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application March 27, 1934, Serial No. 717,671
In Germany March 29, 1933
4 Claims. (Cl. 95—75)

1. A process of printing a sound record of the variable density type, provided on a smooth film,

onto a lenticular film which comprises arranging a lenticular printing film so that its lenticular elements face the emulsion layer of said smooth sound film and extend perpendicularly to the steps of said sound record, projecting a slot-shaped source of light extending parallel with the steps of the sound record through said sound



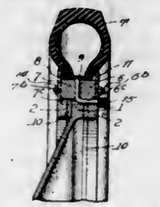
record onto said lenticular film, the breadth of the source of light and its distance from the films being such that the image of the source of light projected by each lenticulation of the printing film covers the breadth of said lenticular element, thus producing a uniform image which is not interrupted by dark spots.

2,066,729

WHEEL FOR MOTOR DRIVEN VEHICLES

Coleman Dorsey Hobb, Middlesboro, Ky.

Application October 24, 1935, Serial No. 46,551
3 Claims. (Cl. 152—21)



1. A vehicle wheel including a rim, flanged rings at the sides thereof constituting tire retaining means, said rim and rings having cooperating structures to provide a pocket in the periphery of the wheel, opposed blocks in the pocket and secured to the respective rings, there being grooves in the blocks providing seats for a valve stem extending between the blocks and laterally through one of the rings.

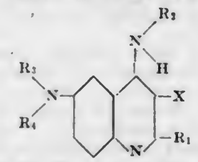
2,066,730

3-NITRO- AND 3-AMINO-DERIVATIVES OF 4.6-DIAMINOQUINOLINES

Heinrich Jensch, Frankfort-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 20, 1934, Serial No. 744,861. In Germany September 28, 1933
7 Claims. (Cl. 260—38)

1. The products of the following formula:



in which X stands for a member of the group consisting of nitro- and amino groups, R_1 for a member of the group consisting of methyl and hydrogen, R_2 for a member of the group consisting of alkyl and hydrogen, R_3 for a member of the group consisting of hydrogen and an acid radical of the group consisting of lower aliphatic carboxylic acids and carboxylic acids of the benzene series, R_4 for a member of the group consisting of alkyl and hydrogen.

2,066,731

NEUTRAL WATER-SOLUBLE COMPLEX COMPOUNDS

Walter Kropp, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 17, 1935, Serial No. 40,997. In Germany October 4, 1934
5 Claims. (Cl. 260—62)

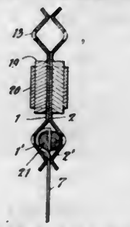
1. As new products complex compounds of 1,3-dimethylxanthene and a water-soluble salt of m-hydroxybenzoic acid, which products are white and crystalline, very easily soluble in water with neutral reaction, insoluble in ether, petroleum ether and benzene, and which display a sweetish taste with a bitter after-taste.

2,066,732

FILM CLIP

Gottlieb Kunz, Villars-sur-Ollon, Switzerland

Application November 21, 1935, Serial No. 50,972
In Switzerland November 14, 1934
8 Claims. (Cl. 24—263)



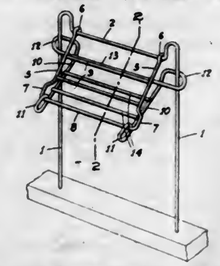
2. In a film clip, the combination of a metal clasp having jaws forming an internal bore, and a split pin rotatably mounted within and substantially filling said bore, one end of the film being adapted to pass through the slit in said pin, whereby when the pin is rotated a portion of the film will be wound about said pin and clamped between the latter and said jaws.

2,066,733

DOOR FOR POULTRY TRAP NESTS

Carl J. Lee, Fresno, Calif.

Application December 2, 1935, Serial No. 52,527
4 Claims. (Cl. 119—49)



1. A door unit for a poultry trap nest comprising two spaced vertical frame rods, a cross mem-

ber between the upper end portions of the frame rods, an upper door section swingably suspended from the cross member, a lower door section hingedly suspended from the upper door section and a loop rigid with and projecting from one side of the lower door section adjacent its lower edge and encircling the adjacent frame rod, said loop being canted lengthwise of said frame rod.

2,066,734

DECORATIVE BUILDING MATERIAL AND METHOD OF MAKING THE SAME

Emil C. Loetscher, Dubuque, Iowa

Application June 22, 1934, Serial No. 731,974
7 Claims. (Cl. 18—61)



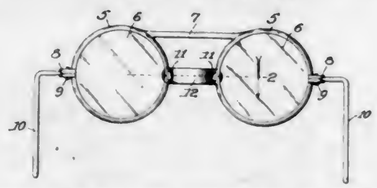
1. The method of making an ornamental product having a variegated, lustrous vignetted surface appearance, which consists in coating thin flakes of wood or other fibrous particles of material having ornamental grain or texture characteristics with a synthetic resin to enhance their ornamental appearance and to impart lustre thereto, drying the coated particles, mixing the same with a finely divided filler and a second quantity of synthetic resin, spreading the mixture in a dry state upon a supporting surface and working the same so as to dispose a substantial number of the ornamental particles parallel with the surface of the mixture and in an order to form an ornamental straight line pattern, and subjecting the mixture to platen pressure and heat sufficient to compress the mixture to a desired density and to react the resin.

2,066,735

BRIDGE FOR EYEGLASSES

Stanley W. Montgomery, Akron, Ohio, assignor to Standard Safety Equipment Co., Chicago, Ill., a corporation of Illinois

Application August 23, 1935, Serial No. 37,568
1 Claim. (Cl. 88—43)



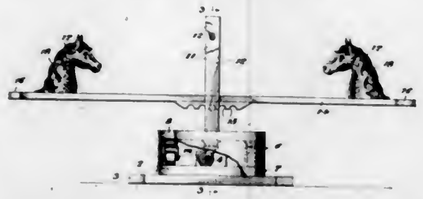
A pair of spectacles comprising: a frame having a pair of rim-members rigidly connected together at their top edge portion by means of a horizontal cross bar; temple members hinged to the lateral outer edge portion of said rim members for holding the spectacles on the head of the wearer; a short stud member rigidly secured to the lateral edge portion of each rim member near the center of the frame, each stud having a head projecting rearwardly towards the wearer; a removable flexible strap of heat insulating material provided at each end with apertures adapted to be stretched over said heads so as to be impaled by the studs and form a bridge for supporting the frame on the nose of the wearer; and glasses mounted in each of said rim members.

2,066,736

PORTABLE ROTARY ADJUSTABLE SEESAW

John Birt Muse, Southern Pines, N. C., assignor of fifty per cent to Mabel W. Lewis, Southern Pines, N. C.

Application January 28, 1936, Serial No. 61,241
2 Claims. (Cl. 272—30)



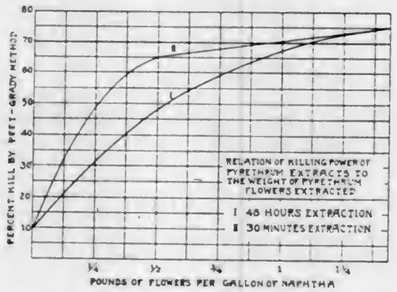
1. In a device of the class described, the combination with a platform, of a pair of vertical standards on said platform, each standard provided on its inner face with an elongated socket, said sockets of the standards having their upper ends opening in opposite directions upon the edges of said standards, a detachable bar seated in the bottoms of said sockets, and a teeter board resting on said bar.

2,066,737

MAKING PYRETHRIN INSECTICIDE

Irving E. Muskat, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application June 10, 1935, Serial No. 25,959
3 Claims. (Cl. 167—24)



1. A method of making an extract of pyrethrum flowers in petroleum distillate for insecticidal purposes which comprises immersing the flowers in the distillate in a ratio between 2½ and 0.1 gallons of distillate per pound of flowers and for a time less than one hour and separating the liquid extract from the residue of flowers.

2,066,738

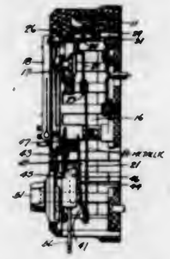
THERMOSTAT

William A. Ray, San Francisco, Calif., assignor to General Controls Company, a corporation of California

Application April 30, 1935, Serial No. 18,984
6 Claims. (Cl. 200—139)

1. In a thermostat, a bimetal strip, a contact, a magnetizable member carrying said contact and attached to one end of said strip and continuing beyond said strip, said member being deformed to include as an armature a U portion with the base of said U portion substantially parallel to the remainder of said member

but projecting from said member toward a permanent magnet, and a permanent magnet ad-



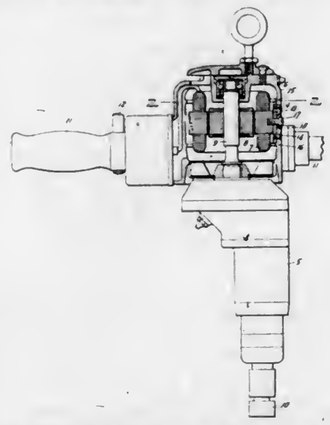
jacent to and cooperating with the base of the U in said U section as said armature.

2,066,739

ELECTRIC MOTOR

Charles W. Ripsch, Dayton, Ohio, assignor to The Buckeye Portable Tool Company, Dayton, Ohio, a corporation of Ohio

Application February 1, 1934, Serial No. 709,357
2 Claims. (Cl. 172—36)



1. In a motor comprising a casing and a stator within said casing, a plurality of strips of hard non-compressible material of low heat conductivity spaced about said stator between the same and said casing and shaped to conform to the contour of said casing, said casing having shoulders engaging the opposite edges of said strips, and attaching means extending through the wall of said casing and through the respective strips to rigidly support said stator in firm engagement with said strips.

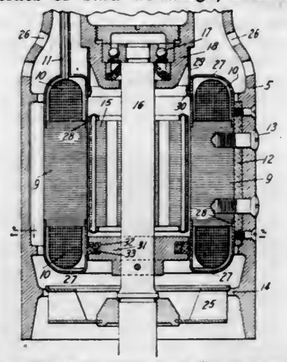
2,066,740

ELECTRIC MOTOR

Charles W. Ripsch, Dayton, Ohio, assignor to The Buckeye Portable Tool Company, Dayton, Ohio, a corporation of Ohio

Application May 9, 1935, Serial No. 20,642
7 Claims. (Cl. 172—36)

1. In a motor including a casing, a stator mounted in said casing and comprising a core and windings projecting beyond the ends of said core, a rotor and a shaft for said rotor, separate annular housings mounted about and enclosing the windings at the respective ends of said stator and each having parts supported on said core on opposite sides of said windings, and means co-



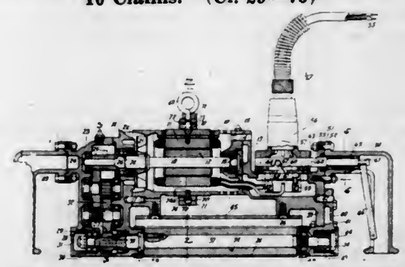
operating with said housings to prevent the entrance of dust between said stator and said rotor.

2,066,741

POWER OPERATED PORTABLE TOOL

Charles W. Ripsch, Dayton, Ohio, assignor to The Buckeye Portable Tool Company, Dayton, Ohio, a corporation of Ohio

Application September 10, 1935, Serial No. 39,977
10 Claims. (Cl. 29—76)



1. In a power operated portable tool, a frame comprising end members and a casing arranged between and connected with said end members, a motor element rotatably mounted in said casing, bearings carried by said end members in laterally offset relation to said casing, a tool mounted in said bearings, a driving connection between said tool and said motor element, guard rings mounted on said end members adjacent to the respective ends of said tool for rotation about the axis of said tool, said guard rings being of a diameter slightly greater than the diameter of said tool, and handles connected with said frame.

2,066,742

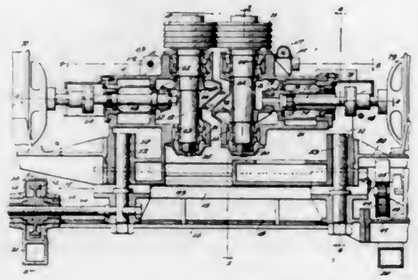
ANTIMONY COMPOUNDS OF POLYHYDROXY CARBOXYLIC ACIDS AND PROCESS OF MAKING THEM

Hans Schmidt, Wuppertal/Vohwinkel, Germany, assignor to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 5, 1930, Serial No. 500,434. In Germany December 12, 1929
12 Claims. (Cl. 260—11)

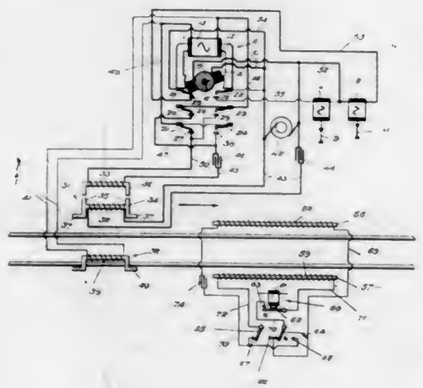
1. A neutral complex compound of the trivalent antimony with neutral alkalimetal saccharate, said product being a colorless powder, clearly soluble in water, and not being precipitated by dilute alkalies from its aqueous solution, being a valuable medicinal medium.

2,066,743
ROLLING MILL
Hans L. Schreck, Easton, Pa., and Alexander K. Hamilton, Chicago, Ill., assignors to Treadwell Engineering Company, Easton, Pa., a corporation of Pennsylvania
Application August 14, 1933, Serial No. 684,959½
10 Claims. (Cl. 80—31.1)



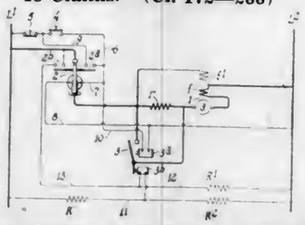
1. In a vertical mill, in combination, a two-part main frame, one part being supported upon the other and being horizontally and vertically adjustable relatively thereto, two spaced parallel roll spindles rotatably mounted, respectively, on the two main frame parts, rolls fixed upon corresponding ends of said spindles, spaced bearings supporting said spindles respectively, and a driving gear fixed on each spindle intermediate the supporting bearings for said spindle, each driving gear being of greater diameter than the associated roll and said gears being unequally spaced from the rolls so as to overlap without interfering.

2,066,744
AUTOMATIC TRAIN CONTROL
Daniel Herbert Schweyer, Easton, Pa., assignor to Schweyer Electric & Manufacturing Co., Easton, Pa., a corporation of Pennsylvania
Application July 31, 1924, Serial No. 729,374
Renewed June 1, 1936
3 Claims. (Cl. 246—194)



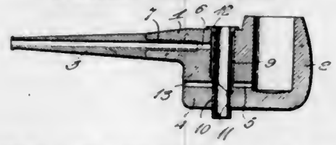
1. In a vehicle control apparatus, a receiver comprising primary and secondary cores, one of said cores being H-shaped, a primary winding on one core, and a secondary winding on the other.

2,066,745
CIRCUIT CONTROLLER
Edwin W. Seeger and Paisley B. Harwood, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 6, 1935, Serial No. 39,381
13 Claims. (Cl. 172—288)



1. In an electric controller in combination, a switch having control means comprising an electroresponsive coil providing a magnetic flux to delay a given operation of said switch and circuit controlling means for said coil comprising an energizing circuit having resistances between which said coil is included and further comprising a circuit having a switch and a resistance between which said coil is included for subjecting said coil to a reverse current flow to cause said flux to decay and pass through zero.

2,066,746
TOBACCO PIPE
Rufus P. Smith, Atlanta, Ga.
Application June 10, 1936, Serial No. 84,535
1 Claim. (Cl. 131—12)



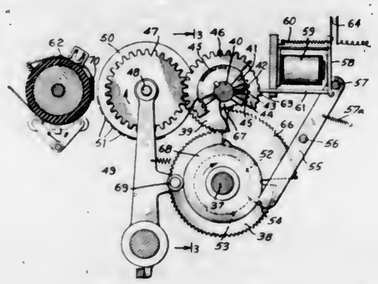
A tobacco pipe having a bowl and a stem, the bowl and stem being provided with smoke passages and the bowl having a smoke cooling and impurities collection chamber extending therethrough at right angles to and intersecting the passages, and the bowl further having a clean out passage in line with the smoke passage therein, and a cooling and condensing tube removably fitted in the chamber so as to normally close the ends of the chamber and clean out passage while providing a circulation space in the chamber between the passages.

2,066,747
ORNAMENTED ARTICLE AND METHOD OF MAKING THE SAME
Sylvan M. Straus, Gloversville, N. Y.
Application October 26, 1935, Serial No. 46,905
3 Claims. (Cl. 2—278)



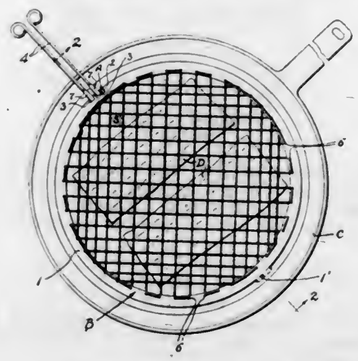
1. An ornamental flexible material having a recess, a bendable member located within said recess and partially filling said recess, said bendable member abutting the inner wall and the side walls of said recess, and means for maintaining said flexible material in the recessed shape, said means comprising an elastic thread which is connected to said material at the base of said recess.

2,066,748
PRINTING MECHANISM FOR TABULATING MACHINES
Gustav Tauschek, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 28, 1935, Serial No. 56,420
6 Claims. (Cl. 101—96)



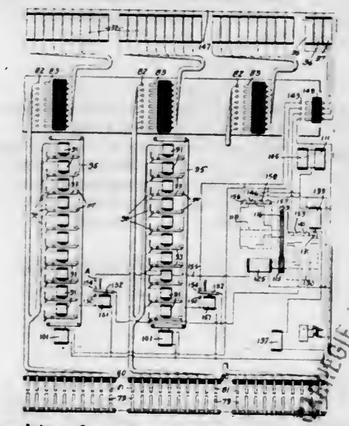
1. In a cyclically operable machine, the combination with a drive shaft, of a printing wheel provided with a series of printing characters, an impositive clutch connection between said printing wheel and said drive shaft, means operable during the first rotation of said drive shaft and when a character is to be selected for interrupting the rotation of said printing wheel, said drive shaft then completing its first rotation, and means for releasing said printing wheel and causing a second rotation of said drive shaft to reset by said impositive clutch said printing wheel.

2,066,749
UTENSIL
Joe Trank, Los Angeles, Calif.
Application January 10, 1936, Serial No. 58,563
3 Claims. (Cl. 53—5)



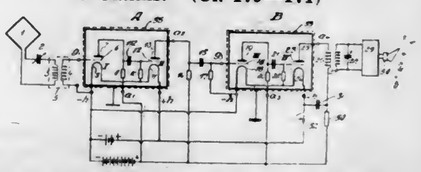
1. A utensil comprising: a pair of perforate flat members hingedly connected at marginal points and adapted to hold flat articles therebetween, and handles hinged to said members at adjacent points, for lifting and reversing the position of said members, each of said members being recessed on its periphery at a point in the path of movement of the handle of the other member so as to permit the extension of the handles of each member into the recess of the other member.

2,066,750
CARD TABULATING MACHINE
Charles A. Tripp, deceased, late of Wilmington, Del., by Wilmington Trust Company and Elizabeth W. Tripp, executors, Wilmington, Del., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 28, 1931, Serial No. 526,096
1 Claim. (Cl. 235—92)



A machine for operating an accounting machine of the class described having an adding machine provided with accumulators, amount setting keys for causing accumulation in one of the accumulators, and a transfer control member for causing the transfer of a total from the accumulator receiving entries under control of the keys to another accumulator, comprising record sensing means, group control mechanism controlled by a part of the sensing means, resetting devices for said group control mechanism, means controlled by another part of said sensing means for controlling said amount setting keys, and means including a total taking commutator device controlled by said group control mechanism for effecting concurrent operation of said transfer member and said resetting devices.

2,066,751
RESISTANCE COUPLED HIGH FREQUENCY AMPLIFIER
Manfred von Ardenne, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany, a company of Germany
Application May 4, 1929, Serial No. 360,480
In Germany May 5, 1928
5 Claims. (Cl. 179—171)

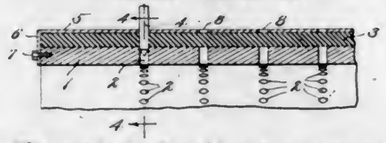


1. In a resistance-coupled high-frequency amplifier an amplifying electrode system containing a filament, a grid and plate, a grid leak resistance connected to said grid on one side and to said filament on the other side, a coupling condenser connected on one side to that side of the grid leak resistance that is connected to the grid and on the other side to a high ohmic re-

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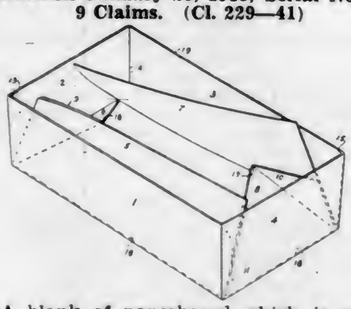
sistance in the order of 2,000 to 100,000 ohms, arranged in the plate circuit of a preceding amplifying arrangement, the first cited electrode system, the resistances and the coupling condenser being so dimensioned that for high frequencies the capacitive resistance of the coupling condenser is smaller than the grid circuit resistance of said amplifying electrode system, whereas for low frequencies the capacitive resistance of said coupling condenser is greater than the grid circuit resistance of said amplifying electrode system.

2,066,752
RUBBER COVERED ROLL AND METHOD OF MAKING THE SAME
Sherman B. Ward, Portsmouth, N. H., assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass., a corporation of Massachusetts
Application August 8, 1935, Serial No. 35,342
7 Claims. (Cl. 92—53)



5. The method of making a suction rubber-covered roll consisting in applying an unvulcanized rubber cover to a roll provided with holes; then locating elements outside the cover in line, respectively, with said holes in the roll; then forming holes in the rubber cover to correspond with the holes in the roll by inserting said elements through the rubber cover from the outside while the rubber is unvulcanized, the rubber covering being forced toward the roll by said insertion; and then vulcanizing the rubber while said elements are in the holes in the rubber and while said elements hold the rubber forced toward the roll.

2,066,753
KNOCK-DOWN CONTAINER
Arthur J. Weiss, St. Albans, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application January 26, 1935, Serial No. 3,575
9 Claims. (Cl. 229—41)



1. A blank of paperboard which is provided with fold lines and turned into a flat folded, extensibly erectable carton comprising two staggered side walls, two end walls connecting said side walls; a bottom disposed between said walls and including two rectangular members which are continuous with the side walls; and two triangular members continuous with said end walls, each of the triangular members having an oblique edge portion attached to one of the respective rectangular members, so that when said walls are extended to the erect or vertical position, said members may be drawn thereby into horizontal position to form the extended bottom.

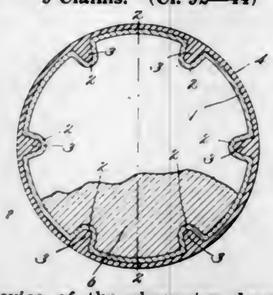
2,066,754
SAFETY TUBE SEAL AND PROCESS OF ITS MANUFACTURE
Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 25, 1933, Serial No. 667,824
12 Claims. (Cl. 113—121)



1. A collapsible tube having one end sealed by a flattened portion, corners tucked in on diagonal lines, cement surrounding said tucked in corners, and a fold surrounding said tucked in corners.

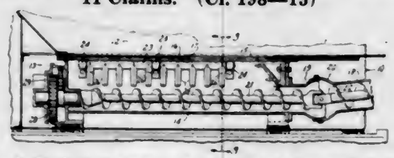
6. A process of sealing one end of a collapsible tube which consists in flattening one end of said tube, bending in the corners of said flattened portion on diagonal lines, applying cement to said corners, and folding the end of said flattened portion about said corners.

2,066,755
ROLL
Robert J. Wilkie, Newton, Mass., assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass., a corporation of Massachusetts
Application October 17, 1935, Serial No. 45,445
9 Claims. (Cl. 92—44)



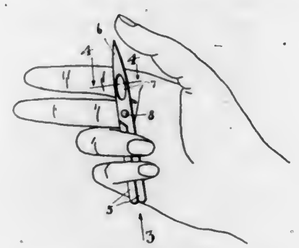
6. A device of the character described comprising a hollow roll member having integral reenforcing ribs extending inwardly of the inner wall of the roll; and a member covering the roll.

2,066,756
CONVEYER
Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application September 25, 1935, Serial No. 41,976
11 Claims. (Cl. 198—15)



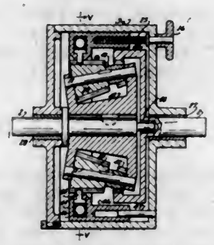
1. A fuel conveyer comprising a trough having upwardly extending side walls and a screw rotatably mounted in said trough and means including fingers on the side wall of said trough on the descending side of said screw, said fingers spaced lengthwise of the trough and extending downwardly and inwardly toward the periphery of said screw.

2,066,757
SCISSORS
Marie Bailey, Los Angeles, Calif.
Application August 20, 1936, Serial No. 96,935
2 Claims. (Cl. 30—13)



1. In scissors, handle portions narrowly and closely associated to enable a retaining in a hand at all times so as to leave the normal operating fingers of the hand free, and cutting blades having indentations at points to be reached by the tips of the thumb and first finger while the scissors are so in the hand.

2,066,758
INFINITELY VARIABLE SPEED MECHANICAL TRANSMISSION SYSTEM
Arthur Bair Bassoff, Brooklyn, N. Y.
Application April 18, 1934, Serial No. 721,098
5 Claims. (Cl. 74—283)

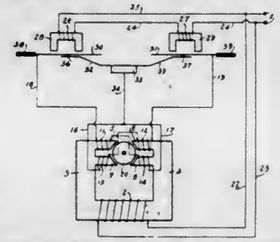


1. A variable speed transmission mechanism comprising a driving and driven shafts, bevel gears having their outermost teeth at contact point parallel with the axis of the driving shaft, a non-rotating axially slidable gear containing a continuous plurality of radially slidable laminations, epicyclic gear connections for converting the rotation of said bevel gears into rotation of the driven shaft, variable means for sliding said non-rotating laminated gear into operative engagement with different portions of said bevel gears, means for restraining the said laminations from sliding in one direction relative to the central axis of said non-rotating gear, teeth on the said bevel gears for causing the said laminations to slide and resilient means for returning the said laminations to their original position when disengaged from the said teeth on the bevel gears.

2,066,759
COATING COMPOSITION
Leavitt N. Bent, Holly Oak, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 10, 1928, Serial No. 318,597
7 Claims. (Cl. 134—26)

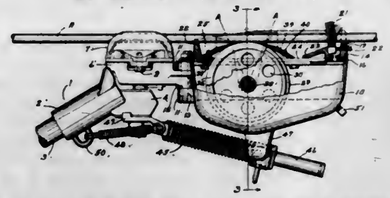
4. A coating composition including as ingredients pentaerythrite abietate and a substance from the group consisting of a drying oil and a nitrated carbohydrate.

2,066,760
SELF STARTING, STOPPING REVERSIBLE SYNCHRONOUS MOTOR
Ernst Blamberg, Frankfort-on-the-Main, Germany, assignor to Hartmann & Braun Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application May 23, 1933, Serial No. 672,372
In Germany June 28, 1932
5 Claims. (Cl. 172—179)



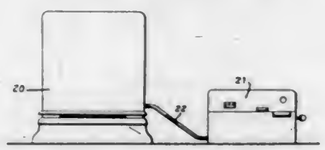
2. In combination, alternating circuit of a given frequency, magnetic means influenced by the current to give magnetism of said frequency; a pair of switches each having a vibratory element influenced by said magnetism; said element being tuned to be vibrated by said magnetism when just above and just below said frequency respectively to operate the switch, a motor comprising a rotor, and a stator, a pole of the stator being split to form forward and rear cores; an exciting coil for the stator connected in said circuit; a shading coil on each core; and conductors connecting the coils in series with the respective switches.

2,066,761
TROLLEY WIRE LUBRICATOR
Harry F. Brown, New Haven, Conn., assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application November 20, 1935, Serial No. 50,731
20 Claims. (Cl. 184—15)



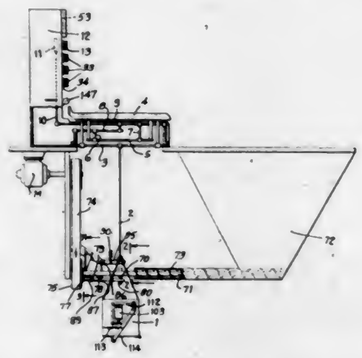
3. A lubricating device comprising a receptacle to hold a fluid lubricant, a support for the receptacle and means to apply the lubricant to the article to be lubricated as the device moves relative thereto, the said means comprising a pair of discs having an opening therebetween and to dip into the lubricant and convey it to the said article through the opening and means to substantially prevent the application of the lubricant to the article by any other part of the first said means.

2,066,762
SCALE
James Wares Bryce, Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 12, 1933, Serial No. 680,025
39 Claims. (Cl. 265—70)



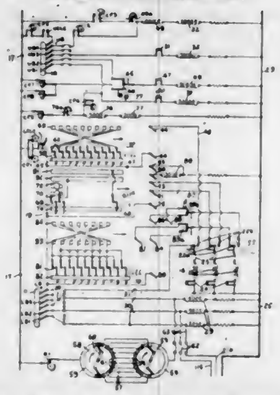
1. In a weighing scale, the combination with a load support, of a series of load sensing devices having different combinations of positions, each such combination representing a different load value, a pivoted beam operatively connected to the load support, a plurality of load offsetting devices, and means controlled by the sensing devices according to their combinational position to selectively apply the offsetting devices to the beam to offset load on the support.

2,066,763
MATERIAL CONTROLLING SCALE
James W. Bryce, Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 9, 1934, Serial No. 729,794
16 Claims. (Cl. 249—63)



1. In combination, a main load responsive and counterbalancing mechanism, a load receiver for operating said mechanism, means for feeding material to the latter load receiver, an auxiliary counterbalancing mechanism separate from the main counterbalancing mechanism and comprising a sensitive weight responsive and variably resistant counteracting device controlled by the load on said receiver and displaced from its normal counterbalancing position by an initial portion of the counter-balance force of the mechanism for detecting whether said main counterbalancing mechanism is counterbalancing a predetermined load on the receiver, and means operable under control of the sensitive device upon its detecting that said predetermined load is counterbalanced by said main counterbalancing mechanism for cutting off the feed of material to said receiver.

2,066,764
TABULATING MACHINE
Charles Campbell, London, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 27, 1931, Serial No. 571,331
In Great Britain July 2, 1931
6 Claims. (Cl. 235—92)



1. In a machine for handling fractions, means for analyzing a perforation in a column of a record card representing by its location the numerator of a fraction, an entry receiving mechanism including a plurality of devices advanceable in different increments and having transfer mechanism between the individual devices, entering means therefor and means controlled by said analyzing means upon analysis of said perforation for causing operation of said entering means and an advance of each of said devices by amounts jointly indicative of the value of said fraction.

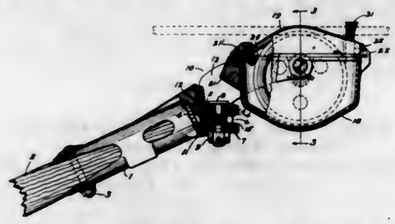
2,066,765
HANGER FOR TROUSERS
Cecil C. Cathey, Albany, Oreg.
Application February 5, 1935, Serial No. 5,043
3 Claims. (Cl. 211—87)



1. A trouser hanger consisting of a pair of telescopic slides having a limited amount of lateral clearance, one of said telescopic members having notches formed along one edge thereof and the other member having a lip formed therein adapted to engage said notches, the outermost ends of said members having laterally extending loop engaging hooks projecting therefrom.

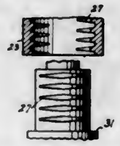
2,066,766
LUBRICATING DEVICE
Homer P. Chandler, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application May 20, 1936, Serial No. 80,760
8 Claims. (Cl. 184—15)

7. A trolley wire coating device comprising a receptacle to hold a fluid, means to support the receptacle in pivotal relation thereto, a cover for the receptacle having an elongated slot, means depending within the receptacle from the cover, a rotatable member mounted on the depending means and engageable by a trolley wire through the said slot, the axis of the rotatable member being below the axis through the pivotal point of the



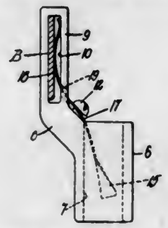
receptacle and means to limit the pivotal movement of the receptacle.

2,066,767
PIPE CUTTER
Walter L. Church, Houston, Tex., assignor to C-M-P Fishing Tool Company, Houston, Tex., a corporation of Texas
Application March 27, 1934, Serial No. 717,570
5 Claims. (Cl. 285—149)



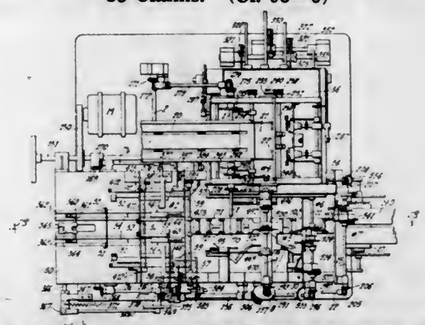
1. In combination two connected parts having threads adapted to be intermeshed, said threads forming the sole means for maintaining the parts connected and being shaped to be engaged upon relative longitudinal movement of the parts in one direction and simultaneous relative rotation of said parts and to be released upon relative longitudinal movement of said parts, in the other direction upon a continuation of said relative rotation thereof in the same direction.

2,066,768
HOLDER FOR ARTICLES
Lawrence N. Clark, Newton, Mass.
Application May 5, 1934, Serial No. 724,089
6 Claims. (Cl. 24—3)



6. A holder for articles comprising, in combination, a body member provided with a passage therein adapted to receive an article and also having an inclined surface embodied therein intersecting a side of said passage and forming a corner at said intersection, a spring mounted upon said inclined surface and projecting therefrom into said passage and adapted to yieldingly engage an article therein, and a screw for fastening said spring to said inclined surface, said corner constituting a fulcrum for said spring, whereby the latter may be adjusted by said screw to vary its pressure upon the article.

2,066,769
APPARATUS FOR PACKAGING ARTICLES
Eugene Conti, Mount Vernon, N. Y., assignor to Alexander Herz, New Rochelle, N. Y.
Application December 29, 1932, Serial No. 649,276
35 Claims. (Cl. 93—6)

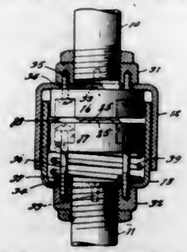


1. Apparatus for packaging straws or similar articles, which are received in bundles with elastic bands therearound, in cartons which have closure flaps at each end, which comprises in combination, a conveyor for separately elevating the bundles, a chute into which the conveyor delivers the bundles, movable arms in one side of the chute for pressing the bundles flat, successive fingers for dispensing the bundles downward one at a time, a double-compartment laterally shiftable frame receiving alternate bundles from said chute in alternate compartments, a swinging plate at each side of the central position at the chute for pressing the bundles flat vertically and confining them in said frame, a fixed curved groove-forming bracket on each side above the bundle, vertically movable frames on each side which first move a bundle upward and cause a groove to be formed in it and later descend with it, means on said frames for grasping bundles, grippers which swing longitudinally of the bundles for grasping the elastic bands and pulling them off the ends of the bundles, longitudinally divided boxes into which the bundles are lowered by said vertically movable frame after the bands have been removed, means for forcing the parts of said boxes together after the bundles have been deposited therein, a double-compartment inserting receptacle movable laterally at the ends of said boxes, plungers for pushing bundles from said boxes into a compartment of said receptacle, a carrier for presenting a carton with its open end to the compartments of said receptacle when in a central position, and a plunger for pushing bundles from the receptacle into said carton.

2,066,770
ELECTRICAL CONNECTER
Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application February 16, 1932, Serial No. 593,258
7 Claims. (Cl. 173—328)

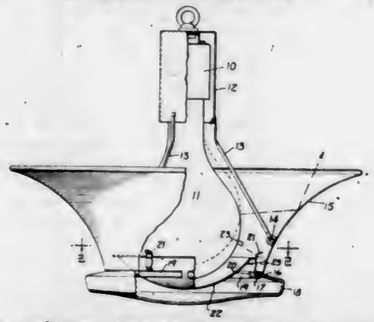
1. An electrical connecter comprising two insulating bases facing one another, two contacts carried by each base and having faces extending beyond the adjacent face of the corresponding base, two cup shaped casing parts, one telescopically received within the other, means to fixedly secure one base to the bottom of one of the casing parts, axially extending headed guides carried by the other casing part and extending through the other base for non-rotatably securing said base in said casing part for limited sliding movement, a spring

pressing said second mentioned base outwardly, and held under compression, each cup shaped part extending beyond the contacts carried thereby, whereby either casing part with insulating base and contacts may be connected to a power line and protection is afforded by the casing to the contacts, and means to secure the two casing



parts together with the movably secured base pressed back toward the bottom of the supporting cup shape part and the spring further deformed so as to press the faces of the contacts on the movable base against the faces of the contacts on the fixed base, the end of the smaller casing part receiving the insulating base on the larger casing part.

2,066,771
INDIRECT LIGHTING FIXTURE
Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application January 4, 1935, Serial No. 322
2 Claims. (Cl. 240—78)



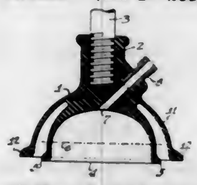
1. A lighting fixture comprising a pendant lamp bulb, an open bottomed, upwardly and outwardly flaring reflector about the bulb, a diffusing glass closure having its upper edge adjacent the bottom of the reflector, a channel shaped ring embracing the reflector and closure, a plurality of spring fingers carried by the ring, and a removable baffle carried by the fingers for preventing direct light from falling onto the closure.

2,066,772
TOOTH BRUSH
William H. Doyle, White Plains, N. Y.
Application April 27, 1935, Serial No. 18,671
4 Claims. (Cl. 15—167)



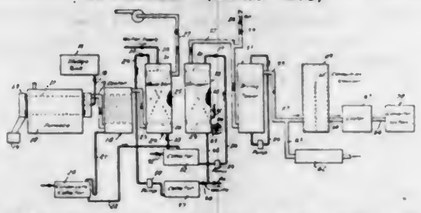
1. A tooth brush having a handle and a detachable head in the form of a segment of a sphere including a substantially spherical front surface and a flattened back, and several rows of bristle tufts set in rows upon the front surface so that all the tufts of a row lie in a plane perpendicular to the axis of the handle and the bristle tufts form segments of circles around the axis of the handle.

2,066,773
DRAIN AND FLUSHING APPARATUS
George Felice, Detroit, Mich.
Application December 26, 1935, Serial No. 56,221
5 Claims. (Cl. 4—255)



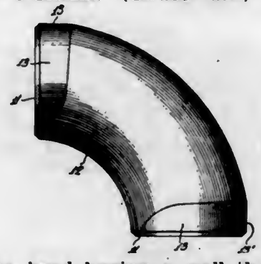
1. A device of the character described comprising a cup member formed of elastic material and with a screwthreaded fitting in its closed end, a plunger received in said fitting, a passage opening into the interior of said cup and having a fitting at its outer end adapted to receive the end of a hose, and a skirt formed integral with said cup member and overlying a substantial portion of the same, the open end of said skirt being in a plane different from the plane of the open end of said cup, whereby the said cup is adapted to engage a surface surrounding a drain opening in advance of engagement of said skirt therewith, the end surface of said cup surrounding the opening therein having an annular groove providing a suction chamber.

2,066,774
PRODUCTION OF SULPHUR DIOXIDE
Theodore V. Fowler, Pelham, N. Y., and Henry F. Merriam, West Orange, N. J., assignors to General Chemical Company, New York, N. Y., a corporation of New York
Application December 20, 1933, Serial No. 703,214
10 Claims. (Cl. 23—175)



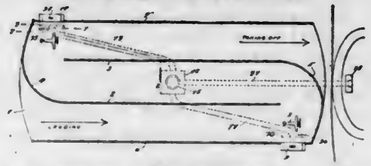
8. The method of producing a sulphur dioxide gas mixture substantially free from hydrocarbons which comprises heating acid sludge derived from treatment of hydrocarbon oils with sulphuric acid to a temperature sufficient to decompose the sludge to form a hot gas mixture containing sulphur dioxide, diluting gases and hydrocarbon gases and/or vapors, cooling the gas mixture to separate condensable vapors therefrom, contacting the cooled gas mixture with an absorbent adapted to absorb sulphur dioxide and separate the same from diluting gases and the major portion of said hydrocarbons, stripping the sulphur dioxide from the absorbent and forming a sulphur dioxide gas mixture containing residual hydrocarbons, and, in the presence of sufficient oxygen to oxidize the residual hydrocarbons, raising the temperature of the gas mixture to not less than about 1000° F.

2,066,775
PIPE FITTING
Rudolph E. Fritsch, Louisville, Ky., assignor to Tube-Turns, Incorporated, Louisville, Ky., a corporation of Kentucky
Application July 16, 1935, Serial No. 31,554
5 Claims. (Cl. 285—211)



1. A pipe bend having a wall thereof along the outer side of greater thickness than the wall along the shorter side, said outer wall being of substantially uniform thickness throughout the length thereof except for short sections adjacent to the ends, said short sections of said outer wall being slightly conical about an axis diverging slightly from a right angle to the plane of the end of the pipe bend, said conical surface continuing along the lateral sides of the pipe bend toward but not to the inner side of the pipe bend.

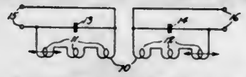
2,066,776
ROTARY PORT FOR AIRCRAFT
Norman Bel Geddes, New York, N. Y.
Application June 5, 1934, Serial No. 729,057
8 Claims. (Cl. 244—114)



1. A rotary port for aircraft, comprising, a platform floated above the surface of a body of water of varying depth and constituting landing and taking-off stages in the flight of aircraft, a fixed hollow pivot therefor extending to the bottom of said body of water and providing for vertical movement of said platform, means for rotating said platform about said pivot in accordance with the directions of the prevailing winds, passages communicating with said hollow pivot and located beneath said platform to allow the access of passengers between the discharging and loading points on said platform and said hollow pivot, and a submerged passage leading from the latter to a fixed point beyond the area covered by said platform.

2,066,777
COUPLING SYSTEM
Daniel E. Harnett, Tuckahoe, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application July 11, 1935, Serial No. 30,777
13 Claims. (Cl. 178—44)

1. A coupling system comprising a pair of inductively coupled windings and means for adjusting the self-inductance of one of said windings without substantially changing the coupling therebetween, comprising means for varying the self-inductance of said one of said windings independently of and without appreciably changing the self-inductance of the other of said

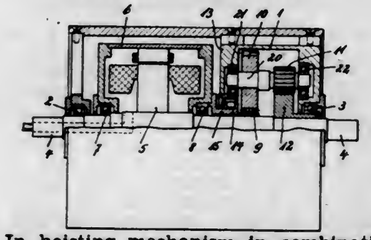


windings and simultaneously varying the mutual inductance between said windings in the same sense and in such proportion as to maintain said coupling substantially constant.

2,066,778
METHOD OF SETTLING INORGANIC MINERAL SLIMES
Abraham M. Herbsman, Huntington Park, Calif., assignor to Industrial Patents, Ltd., Los Angeles, Calif., a corporation of California
No Drawing. Application March 27, 1934, Serial No. 717,594
2 Claims. (Cl. 209—5)

1. In the art of recovering ore values from slime the method of breaking down said slime which consists in mixing with said slime a relatively small quantity of sulphonated glyceride, permitting said mixture to stratify, and separating the stratified phases of said slime.

2,066,779
HAULING DRUM
Adolf Himmel, Tubingen, Germany, assignor to Himmelwerk A.-G., Tubingen/Wurttemberg, Germany
Application March 7, 1935, Serial No. 9,743
In Germany September 20, 1934
3 Claims. (Cl. 74—280)

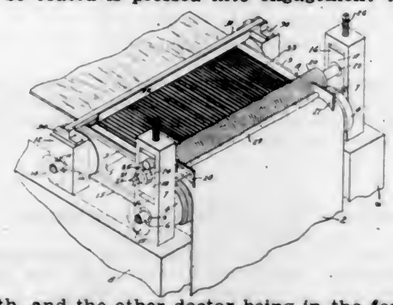


1. In hoisting mechanism in combination, a stationary axle, a hauling drum and a bearing supporting said drum at either end on said axle for relative rotation, the stator of an electromotor being fixed on said axle within said drum, the rotor of said electromotor surrounding said stator within said drum, a gear case arranged on said axle in line with said rotor and coupled with said drum for rotation about said axle, a bearing supporting said rotor on said axle at either end, a sleeve fixed to said rotor extending through the adjoining end wall of said gear case and a separate bearing inserted between this wall of the gear case and said sleeve and forming a third support for said rotor.

2,066,780
APPARATUS FOR AND METHOD OF COATING FABRICS
Daniel S. Holt, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application January 30, 1932, Serial No. 589,860
11 Claims. (Cl. 91—18)

3. In a coating apparatus, a pair of doctors, one of said doctors having a discontinuous surface

for engagement with a surface to be coated to apply a predetermined amount of coating material to the surface to be coated when the material to be coated is pressed into engagement there-



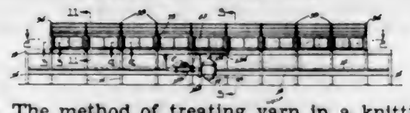
with, and the other doctor being in the form of a flexed, thin, metallic blade and serving to evenly distribute over unevenly surfaced materials the coating material applied by the first mentioned doctor.

2,066,781

METHOD OF AND MEANS FOR EFFECTING VAPOR TREATMENT OF YARN IN A YARN FABRICATING MACHINE

Henry Janssen, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application March 30, 1935, Serial No. 13,858
18 Claims. (Cl. 66—125)



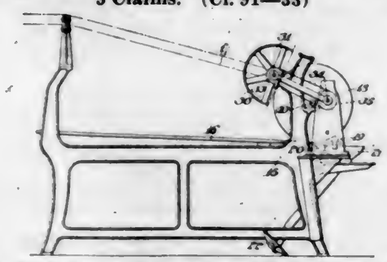
1. The method of treating yarn in a knitting machine yarn container, which comprises generating a yarn treating medium, surrounding the yarn within the container with said medium to provide for continuous reception by the yarn of the medium at a varying rate in accordance with variations in the quantity, rate of medium-receiving quality, and feeding of the yarn to the knitting mechanism of the machine, and generating the yarn treating medium, and supplying the same to the yarn, in accordance with said varying rate of reception by the yarn of the medium.

2,066,782

APPLYING VARNISH OR LACQUER TO SHEETS

Howard K. King, Philadelphia, Pa., assignor to Chambers Brothers Company, a corporation of Pennsylvania

Application March 27, 1935, Serial No. 13,261
5 Claims. (Cl. 91—33)



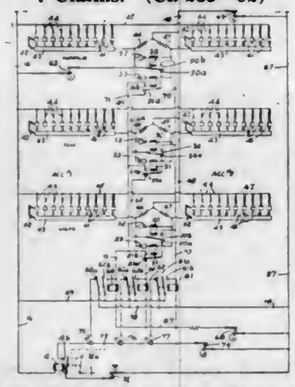
1. In a device of the character described, the combination of a sheet carrying cylinder, a coating roller, a doctor roller and a ripple roller, means for rotating said rollers, including means operating between the coating roller and the ripple roller for communicating a continuous drive from the coating roller to the ripple roller at desired ratio, and spring controlled, adjustable bearings for varying the resilient pressure of the ripple roller upon the sheet.

2,066,783

TABULATING MACHINE

Ulrich Kölm, Berlin, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 14, 1933, Serial No. 693,548
In Germany February 14, 1933
7 Claims. (Cl. 235—92)



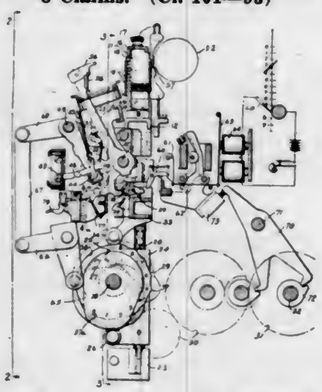
1. In a machine of the class described, a pair of like entry receiving devices, record controlled means for automatically entering items in each of said devices whereby the amount in one device may be equal to or different from the amount in the other device, means responsive to a like setting of said devices, further means responsive to an unlike setting of said devices, and means for selectively causing either of said responsive means to control the operation of the machine.

2,066,784

PRINTING MECHANISM

Clair D. Lake, Binghamton, and Wesley Pfaff, Union Center, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 22, 1934, Serial No. 758,746
8 Claims. (Cl. 101—93)



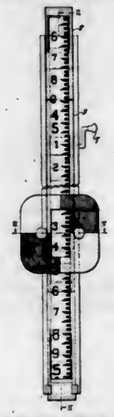
1. In a printing mechanism, an invariably reciprocating type carrier, a printing hammer, impelling means for said hammer, means normally restraining said impelling means including a constantly rotating cam against operation, and means for releasing said restraining means during the reciprocation of said carrier to cause said impelling means to impel said hammer against said carrier.

2,066,785

SELF-COMPUTING LEVELING ROD

Louis W. Lautermilch, Cleveland, Ohio

Application February 9, 1934, Serial No. 710,548
11 Claims. (Cl. 33—74)



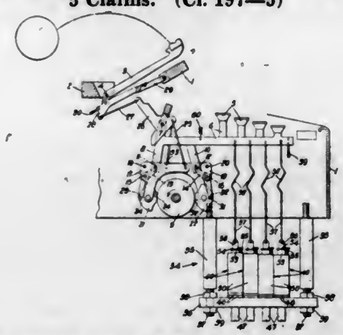
11. A leveling rod comprising two slidable telescopic members, pulley means situated within said members, a continuous tape mounted on said means, disposed interiorly and exteriorly of said members, having a constant length irrespective of the position of said members and characterized by a twist to effect a continuous reading from both sides of said tape, means for moving said tape and means for tightening said tape substantially as illustrated and described.

2,066,786

POWER OPERATED RECEIVER OR RECORDER

Walter S. Lemmon, New York, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 22, 1933, Serial No. 677,018
5 Claims. (Cl. 197—5)



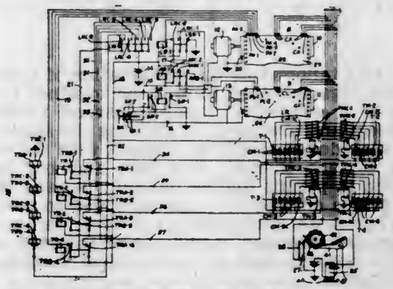
5. A remote controlled unit comprising a plurality of instrumentalities, a plurality of controlling levers therefor, electromagnetic devices, and connecting means comprising a link or rod between said devices and levers including lost motion means which form an integral part of the connecting means to permit the electromagnetic device to gain momentum before operating the said levers said lost motion means comprising a bent portion in said link or rod.

2,066,787

SYSTEM OF OPERATION OF TRANSLATING MECHANISMS

Walter S. Lemmon and Austin Robert Noll, New York, N. Y., assignors to International Business Machines Corp., New York, N. Y., a corporation of New York

Application December 7, 1934, Serial No. 756,412
3 Claims. (Cl. 197—90)



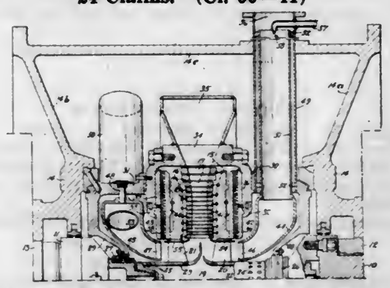
1. In a system of the class described, record control means, sensing means cooperating therewith, a plurality of typewriters, individual control relays therefor, means to energize said relays, the circuit connections of said relays arranged so that the energization of one control relay de-energizes any one of the other control relays which may have been energized, said relay maintained energized adapted to render the associated typewriter operative, and means associated with said typewriters controlled by the said sensing means to control the typewriter in accordance with the data sensed on said record control means.

2,066,788

TURBINE

Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a joint-stock company of Sweden

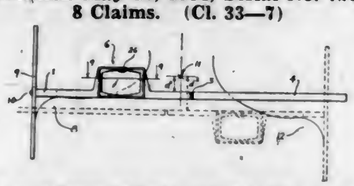
Application June 24, 1932, Serial No. 619,093
In Germany September 14, 1931
24 Claims. (Cl. 60—41)



1. In a turbine, stationary turbine parts, moving parts providing a blade system having an inlet for motive fluid, some of said parts providing a chamber for full admission of motive fluid to said blade system, a conduit for conducting high temperature motive fluid to said chamber and means for conducting motive fluid of lower temperature

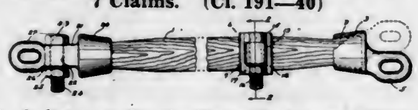
to said chamber separately from the high temperature motive fluid and in a stream enveloping said conduit and insulating the parts of the turbine between the exterior thereof and said chamber from the high temperature motive fluid.

2,066,789
MEASURING DEVICE
William M. Masi, Milwaukee, Wis.
Application May 17, 1934, Serial No. 726,124
8 Claims. (Cl. 33—7)



1. In a tailor's rule the combination of a square having legs arranged to be fixed together transversely of each other, a bar transverse to one of said legs and arranged for locating the square on the shoulder of a body by contact with the outer arm surface thereof, said legs and bar being jointed to permit folding of said rule, and leveling means on said rule and arranged to indicate true horizontal positioning of said rule, said means being also arranged to indicate an inverted horizontal position and a true vertical position of said rule.

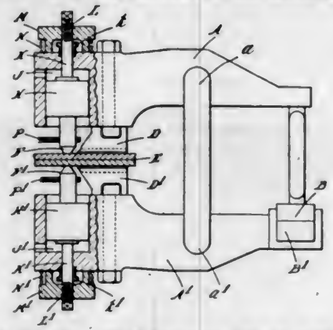
2,066,790
CONDUCTOR SUPPORT
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 14, 1936, Serial No. 74,325
7 Claims. (Cl. 191—40)



1. A hanger for trolley wires comprising an elongated member of insulating material and metallic end members at the ends thereof, each end member provided with an eye for attachment to a support, spaced means spaced from the end members and secured to the elongated member and the spaced means having rotatable studs positioned to the side of the insulating member and extending above and below the longitudinal axis of the member to support trolley wire holding means in close relation to the insulating member.

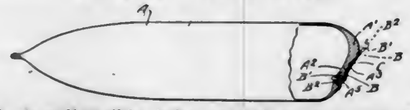
2,066,791
WELDING APPARATUS
William McBain, High Heaton, Newcastle upon Tyne, England, assignor of one-half to Swan, Hunter & Wigham Richardson Limited, Walker, Newcastle upon Tyne, England, a British company
Application March 17, 1936, Serial No. 69,268
In Great Britain July 4, 1935
3 Claims. (Cl. 219—4)

1. Apparatus for uniting metal structures comprising a pair of relatively movable arms, electrodes mounted in said arms, means to move the electrodes into contact with the work, outwardly extending rods connected with the electrodes, and adjustable parts carried by said rods and cooperating with said arms to limit the inward movement of the electrodes, said parts being adapted to be adjusted into such positions as to permit the electrodes to move further towards each other by a very small amount when the work



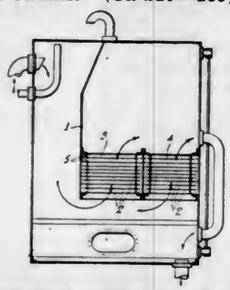
becomes plastic, said amount being insufficient to cause harmful indentation of the work but sufficient to ensure good electrical contact with the plates.

2,066,792
COLLAPSIBLE TUBE CONTAINER
Neil R. McLeod, Upper Montclair, N. J.
Application October 31, 1934, Serial No. 750,785
12 Claims. (Cl. 91—67.4)



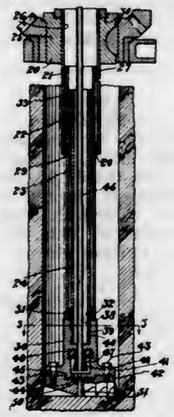
1. A collapsible tube container for semi-fluid material, having a thickened end wall and a narrow elongated discharge orifice therein and having an extended external spreading surface transverse to and through which said orifice opens and extends for substantially the full width of said surface.

2,066,793
FILTER
Frank Mesurac, Woodhaven, N. Y.
Application December 5, 1935, Serial No. 52,939
2 Claims. (Cl. 210—169)



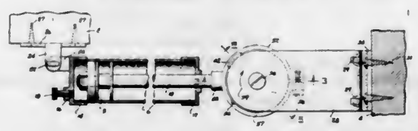
1. In an assembly of the character described, a filter housing, a liquid inlet and outlet thereof, a plurality of spaced apart filter plates within the housing to intercept the flow of liquid therethrough, each of which is provided with adjacent closely spaced apart protuberances projecting in the direction contra to the flow of liquid through the housing, the apex of each protuberance being provided with an opening having a jagged, sharp and uneven edge adapted to catch lint and other stringy materials and all parts of which edge are spaced from the corresponding face of the plate to provide between said openings valleys for the accumulation of extraneous material.

2,066,794
DRILL STEM
Frank Miller, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application August 7, 1935, Serial No. 35,069
6 Claims. (Cl. 255—28)



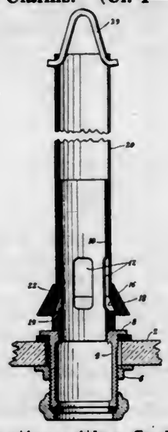
1. A drilling device, comprising a plurality of rods nested one within the other and being freely slidable with respect to each other, means for preventing rotary movement of one rod with respect to another rod, a working implement carried by the innermost rod, and means for moving the rods into telescopic relationship with each other and to convey cleansing fluid to the working implement.

2,066,795
DOOR CHECK
Wallace F. Moore, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application April 27, 1933, Serial No. 668,252
9 Claims. (Cl. 16—70)



1. In a door check of the class described, the combination, of a structure comprising a cylinder and a piston within the cylinder having a rod extending out through one end of the cylinder, a U-shaped bracket, a pin connecting the outer end portions of the arms of the bracket, dogs mounted on said pin adjacent the inner sides of said arms, respectively, a coiled spring surrounding said pin with its ends respectively secured to said dogs, a cylindrical casing surrounding said spring with its ends supported by said dogs, one of said dogs being secured to one of said bracket arms and the other dog being secured to said casing whereby upon turning the casing in one direction the spring may be tensioned, a ring surrounding said casing and secured to one end of said structure, and means for detachably securing said ring to the casing in different angular positions.

2,066,796
FLUSH VALVE
Otto R. Muller, St. Albans, N. Y., assignor to Trenton Brass & Machine Company, Trenton, N. J., a corporation of New Jersey
Application July 13, 1935, Serial No. 31,204
8 Claims. (Cl. 4—58)



1. In combination with a flush tank having an outlet opening for the discharge of water therefrom, a valve seat surrounding said opening and a valve for engaging said valve seat, said valve being in the form of a tubular member of smaller diameter than said valve seat located above said valve seat and formed with an outwardly inclined, inwardly facing valve seat engaging portion of greater diameter than said valve seat formed integral with said tubular member and located on the lower end thereof in position to engage said valve seat.

2,066,797
INSULATED RAIL JOINT
Henry Oettinger, Jersey City, N. J.
Application April 12, 1934, Serial No. 720,173
Renewed May 13, 1936
3 Claims. (Cl. 238—160)



1. An insulated joint having in combination with the rail ends, joint bars and joint plate, insulating members positioned to insulate the rails from the bars and plate including angular base insulating members having an inturned base extension and metal wear plates formed to overlie the base insulating members in engagement with the bars and joint plate, said wear plates having a roughened non-slip surface positioned to engage the joint bar base flange portion and having smooth surfaces only engaging the insulating members.

2,066,798
RUBBER MOLDING
Francis Norman Pickett, Westminster, London, England
No Drawing. Application November 9, 1934, Serial No. 752,367. In Great Britain November 16, 1933
1 Claim. (Cl. 18—59)

The method of making a composite rubber article having parts of different degrees of hard-

ness which comprises molding into an integral structure portions of powdered rubber vulcanized to different degrees of hardness and positioned relatively to each other as desired.

2,066,799
HOOP BALL
William B. Reynolds, Richmond, Ind.
Application February 13, 1936, Serial No. 63,742
1 Claim. (Cl. 273—97)



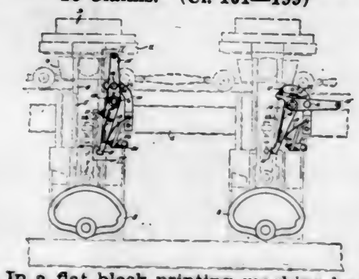
A toy comprising a handle, a loop secured to one end of said handle, an elastic cord secured at its ends to said loop at points diametrically opposed to each other, a ball provided with a diametral opening, said elastic cord centrally of its ends being folded to form an end portion adapted to be inserted entirely through said ball opening and to project a slight distance beyond the same to define a looped end, said end portion being held in friction tight engagement within said ball opening.

2,066,800
SHAVING HEAD FOR RAZORS
Octavius Victor Rodrigues, Passaic, N. J., assignor to Magazine Repeating Razor Company, New York, N. Y.
Application August 16, 1935, Serial No. 36,515
20 Claims. (Cl. 30—40)



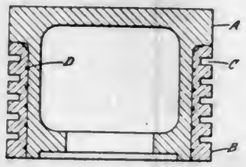
4. A shaving head for razors comprising a post, a guard member pivoted on the post, stops on the guard member, a blade carrier for holding a blade and mounted on the guard member in a manner to allow a back and forth motion of the blade carrier, and automatic means for moving the blade carrier when the guard member is swung on the pivot.

2,066,801
BLOCK PRINTING MACHINE
Fred G. Rottmund, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 24, 1933, Serial No. 672,604
16 Claims. (Cl. 101—199)



14. In a flat block printing machine having a printing unit, including a printing head, driving means for reciprocating the head, latch engaging means on the printing unit, latching means including a latch and an eccentric support for the latch, means for imparting rotary motion to the eccentric to cause the latch, through the latch engaging means, to raise the head out of operative relationship with the driving means and to return the head into operative relationship with the driving means, and biased means for automatically disengaging said latch when the head and the driving means are in operative relationship.

2,066,802
PISTON
Francis Rowntree, Monkseaton, and Albert Joseph Elwood Kitts, Sunderland, England, assignors of one-third to Swan, Hunter, & Wigham Richardson Limited, Newcastle-upon-Tyne, England, a British company
Application October 16, 1934, Serial No. 748,434
In Great Britain March 16, 1934
4 Claims. (Cl. 309—14)



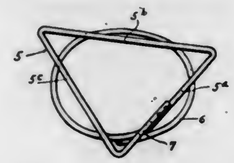
1. In a piston head for an internal combustion engine piston of the type wherein the piston head is separate from the skirt, a forged steel body capable of withstanding high temperatures, including a crown portion having the full diameter of the piston and an integral body portion of a uniformly lesser exterior diameter than said crown portion extending from the latter, and a sleeve of steel having at least the hardness of cast iron and capable of withstanding considerable wear rigidly disposed upon, and coextensive with the entire length of said body portion up to said crown and supported by the body portion and of substantially the same exterior diameter as said crown portion and also formed with at least one groove for a piston ring.

2,066,803
WEEDER
Frederick E. S. Sawyer, Belmont, Mass.
Application August 20, 1936, Serial No. 96,964
2 Claims. (Cl. 55—65)



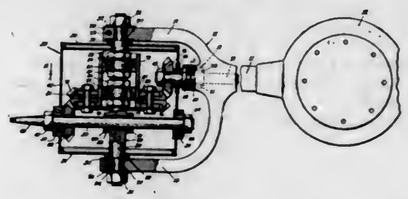
1. A weeder of the class described, comprising a blade having a pointed end, and a weed-pulling element struck from the body of the blade and inclined outwardly and rearwardly relative to the blade, said weed-pulling element having a forked end to catch the weed root.

2,066,804
PAPER CLIP
Nolan H. Siemer, Bushton, Kans.
Application November 18, 1935, Serial No. 50,420
2 Claims. (Cl. 24—261)



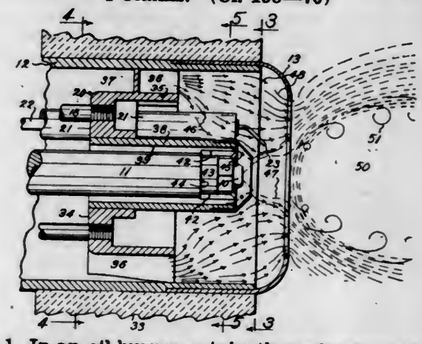
1. A paper clip constructed of a single length of wire and consisting of a substantially circular jaw and a substantially triangular jaw, said triangular jaw having one side consisting of two mutually separated parts the terminal portions of which are arranged in overlapping substantially parallel relation, each of the points of the triangular jaw extending outwardly of the circular jaw to provide a multiplicity of clamping elements.

2,066,805
FLEXIBLE GEAR DRIVE
Chester Wallace Skeen, Mentone, Calif., assignor of seventy per cent to Frank W. Chandler and five per cent to Harold M. Price, both of Mentone, Calif.
Application April 17, 1935, Serial No. 16,779
1 Claim. (Cl. 74—385)



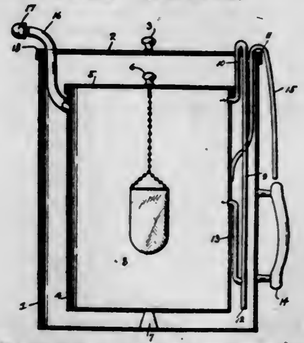
A gear drive comprising in combination a supporting structure having an idler gear shaft mounted therein, anti-friction combination thrust and rotational bearings having inner and outer ball races connected to the shaft, a sleeve engaging the outer races and having a flange and idler gear on the flange, a housing structure having a slot on one side, a driving shaft extending through the slot and having a driving gear meshing with the idler gear, a driven shaft journaled in the housing and having a driven gear meshing with the idler gear, and means to rotate the housing relative to the driving shaft, the driving shaft being mounted in a journal in the supporting structure, there being guides adjacent said slot, cover plates slidably mounted on said guides and having openings for the passage of the driving shaft, and springs bearing against means engaging the journal of the driving shaft and one of the plates and against the driving gear and one of the plates to form a greaseproof closure for said slot.

2,066,806
OIL BURNER
John Smith, Southwick, and Virgil E. Duemler, West Springfield, Mass., assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application December 2, 1935, Serial No. 52,482
4 Claims. (Cl. 158—76)



1. In an oil burner, a tube through which air is supplied and having a contracted outlet end, a nozzle for emitting a substantially conical spray of oil, said nozzle located in said tube near the outlet end thereof, an inner tubular member surrounding said nozzle in spaced relation forming an annular passage through which air flows and from which it is directed to the sprayed oil in a zone near the nozzle, an outer member spaced inwardly from said tube to form an outer annular passage through which air flows to said contracted outlet and is directed to the sprayed oil beyond said zone, a partition connecting said members and blocking flow of air except through said passages, and means for whirling the outer air stream, said passages being radially spaced sufficiently to create a substantial annular space between them into which the inner part of the outer air stream may expand and form an intervening annular air stream of less velocity than the outer part of the outer air stream.

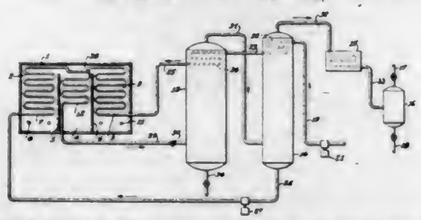
2,066,807
COFFEEPOT
Jesse E. Snelling, Columbus, Ohio
Application July 28, 1936, Serial No. 93,080
2 Claims. (Cl. 53—3)



1. A coffee pot comprising an outer receptacle for the reception of water and an inner receptacle for the reception of coffee spaced from said outer receptacle, a pouring spout communicating with the inner receptacle, and a condensing tube mounted on said inner receptacle, said condensing tube including a gooseneck projecting through

the outer receptacle to the atmosphere and connected to the upper portion of the inner receptacle, said condensing tube communicating, at one end, with the outer receptacle and including a check valve for said one end, and a return branch connecting the condensing tube with the inner receptacle.

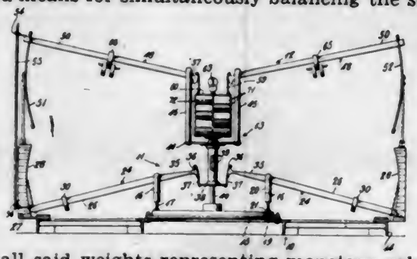
2,066,808
ART OF CONVERTING HYDROCARBON OIL
Pike H. Sullivan, New Rochelle, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application July 11, 1933, Serial No. 679,832
4 Claims. (Cl. 196—58)



1. A process of converting higher-boiling hydrocarbon oils into lower-boiling ones which comprises passing a relatively heavy oil, containing constituents unvaporizable under maximum temperature and minimum pressure conditions subsequently obtaining, in a restricted stream through a heating zone, heating said oil during its passage through said heating zone to a conversion temperature, maintaining said oil during its passage through said heating zone under a pressure above 400 pounds per square inch, simultaneously passing a relatively lighter oil, which is substantially completely vaporizable under maximum temperature and maximum pressure conditions subsequently obtaining, in a confined stream through a separate heating zone, heating said oil during its passage through said heating zone to a temperature sufficient to effect substantially complete vaporization thereof, subjecting the resulting vapors to cracking temperature within said heating zone until the cracking has reached a stage where objectionable asphaltenes or tar-like particles are beginning to be formed, but before the asphaltenes or tar-like particles are converted to coke merging the products from both of said heating zones, passing the merged products in a confined stream through a separate heating zone without materially reducing the velocity thereof, maintaining said merged products at a conversion temperature substantially higher than the temperature of the heavy oil stream from the first-named heating zone and under a pressure sufficient to prevent vaporization of a substantial quantity of heavier constituents of said merged stream during passage through said last-named heating zone, the unvaporized heavier constituents serving as a solvent and vehicle for asphaltines or tar-like particles which are formed, thereafter separating the converted products from said last-named conversion treatment into vapors and residue, and fractionating said vapors to separate a final distillate product therefrom.

2,066,809
APPARATUS FOR DEPICTING A MONETARY ECONOMIC SITUATION
Walter E. Trent, New York, N. Y.
Application May 10, 1934, Serial No. 725,014
15 Claims. (Cl. 35—24)

1. A device for depicting an economic situation comprising means for mechanically balancing weights representing monetary values against other weights representing other monetary values and means for simultaneously balancing the sum



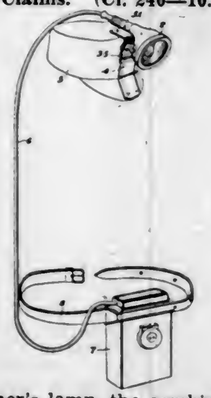
of all said weights representing monetary values against weights representing commodity values.

2,066,810
AIRCRAFT
Solomon Lee Van Meter, Jr., Lexington, Ky.
Application October 3, 1933, Serial No. 692,022
15 Claims. (Cl. 244—87)



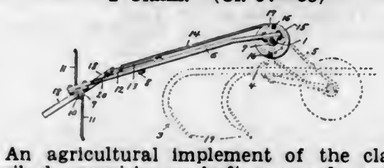
1. In an airplane, a rudder composed of two sections, one section being pivoted on the plane body, locking projections on the second section, a locking bar slidable in the pivoted section and engaging said projections to lock the two sections together, and means for moving said bar to disengage it from said projections and release said second section.

2,066,811
PORTABLE ELECTRIC LAMP
Grant Wheat, Marlboro, Mass., assignor to Koehler Manufacturing Company, Marlboro, Mass., a corporation of Massachusetts
Original application June 3, 1932, Serial No. 615,115. Patent No. 2,027,298 dated January 7, 1936. Divided and this application February 24, 1934, Serial No. 712,739
2 Claims. (Cl. 240—10.6)



2. In a miner's lamp, the combination with a headpiece adapted to be secured to the miner's clothing, an electric lamp bulb mounted in said headpiece, a storage battery, and circuit connections for operatively connecting said battery with said lamp bulb, of exposed charging terminals on said headpiece adapted to be connected with an outside source of current to charge said battery, a charging circuit for connecting said terminals with said battery, said charging circuit including a normally open thermostatic switch in the lamp for maintaining said battery normally disconnected electrically from one of said terminals, whereby the latter terminal is normally maintained in an electrically dead condition, and a control circuit for said switch permanently connecting said charging terminals and including a coil for heating the thermostatic element of said switch.

2,066,812
AGRICULTURAL IMPLEMENT
Jesse I. Wilcoxen, Sr., and Jesse I. Wilcoxen, Jr., Ford, Kans.
Application July 9, 1936, Serial No. 89,822
1 Claim. (Cl. 97—55)



An agricultural implement of the class described comprising a shaft, means for actuating said shaft, bars journaled on the shaft for swinging movement, a second shaft journaled on said bars, substantially triangular ground engaging spades mounted on the second-named shaft and projecting in opposite directions therefrom, arms projecting from the second named shaft, a stop bar pivoted at one end and engageable by the arms for periodically arresting and releasing the second-named shaft with certain of the spades in operative position and certain of said spades in inoperative position a guide for the other end of the stop bar, and means for operatively connecting the stop bar to the first-named shaft for periodical actuation thereby, the last-named means including a grooved wheel fixed on the first-named shaft, pins traversing the grooved wheel, a rod pivotally connected to the stop bar, and a hook on one end of said rod engageable by the pins for actuation thereby.

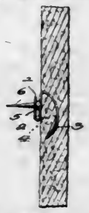
2,066,813
FASTENING DEVICE
Frederick W. Williams, Honolulu, Territory of Hawaii
Application February 26, 1936, Serial No. 65,929
8 Claims. (Cl. 72—118)



6. A fastening device for wall boards, tiles and the like having penetrable edges, said device including a base, a web portion disposed at an angle to the base, and divergent prongs projecting obliquely from opposite sides of said web, said prongs being adapted to respectively penetrate adjacent side edges of neighboring boards.

2,066,814
FASTENING DEVICE
Frederick W. Williams, Honolulu, Territory of Hawaii
Application February 26, 1936, Serial No. 65,930
8 Claims. (Cl. 72—118)

2. A blind fastener for attaching wall boards and the like to a support including a prong adapted to be inserted in the board, a plate portion having a spur adapted to penetrate the inner face of the board at an angle to said prong, said plate portion being adapted to be bent inwardly



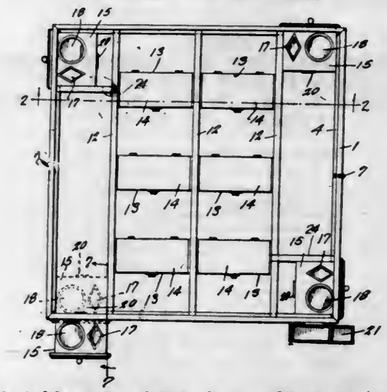
into substantial parallelism with said face after the prong has been inserted in the board to cause the spur to penetrate the board, and means for receiving fastening means to secure the fastener to said support.

2,066,815
FISH LURE
R. B. Worden, Granger, Wash.
Application December 21, 1933, Serial No. 703,480
Renewed June 9, 1936
8 Claims. (Cl. 43—47)



1. A lure comprising a body, a unitary blade structure extending transversely of and through the body, said body having a spirally disposed slit in one end thereof to incline said blade structure relative to the longitudinal axis of the body.

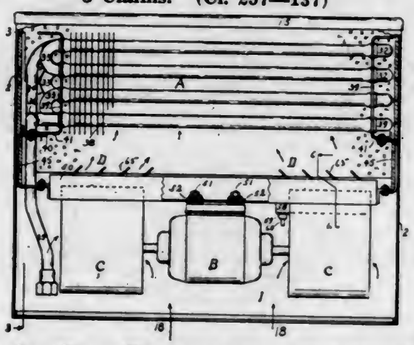
2,066,816
GAME TABLE
Joseph A. Wurzer, Buffalo, N. Y.
Application April 17, 1934, Serial No. 721,015
1 Claim. (Cl. 311—103)



A table comprising, in combination, a substantially square frame, supporting legs for said frame, a plurality of spaced, parallel bars extending between certain of the opposed sides of the frame, members extending between the outermost bars and the other sides of the frame, drawers slidably mounted between said certain sides

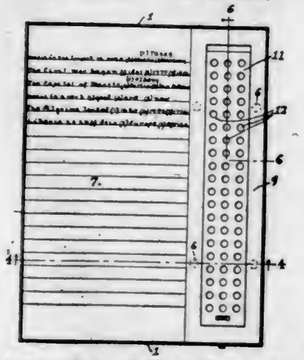
of the frame and said members, drawers slidably mounted between said outermost bars and said other sides of the frame at right angles to the first named drawers, and a top mounted on the frame.

2,066,817
AIR CONDITIONING, HEATING, AND COOLING UNITS
Fred M. Young, Racine, Wis., assignor to Young Radiator Company, Racine, Wis.
Application March 9, 1935, Serial No. 10,221
3 Claims. (Cl. 257—137)



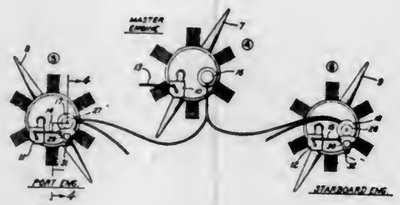
1. An air conditioner, comprising a vertically positioned cabinet having a rectangular shape in cross section, the front panel of said cabinet being removably attached, unitary U shaped sheet steel brackets attached to the side walls of said cabinet the end flanges projecting inwardly, a cooling core having outwardly projecting header plate flanges adapted to rest on the upper flanges of said brackets and be removably attached thereto, said supporting and header plate flanges adapted to prevent the passage of air between said side walls and said core, a motor and fan supporting partition wall adapted to rest on the lower inwardly projecting flanges of said brackets, an opening in said partition wall registering with the discharge opening of said fan, an air inlet at the bottom of said cabinet and an air outlet at the top thereof whereby air may be circulated from said inlet through said partition opening and through said core.

2,066,818
EDUCATIONAL AND AMUSEMENT DEVICE
Lawrence R. Beall, Washington, D. C.
Application January 13, 1936, Serial No. 58,946
7 Claims. (Cl. 35—48)



1. In apparatus of the character stated, a checking board having sheet positioning means, a sheet having indicia making up questions to be answered and cooperating with said positioning means, said sheet and said board having correct answer pin passages which register with one another, a work board having correct and incorrect pinholes normally out of register with the pin passages of said sheet and said checking board; said work board having provisions for shifting its pinholes to bring the correct pinholes of said work board into register with the pin passages of said sheet and said checking board, and a set of pins formed to be placed in said pinholes and to be passed through said pin passages.

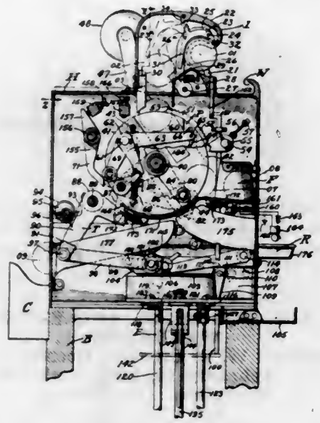
2,066,819
AIRCRAFT ENGINE SYNCHRONIZING SYSTEM
William S. Berry, Hagerstown, Md., assignor to Pioneer Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 17, 1935, Serial No. 16,935
5 Claims. (Cl. 60—97)



1. In a multi-engine aircraft having a master engine and a controlled engine, each driving a respective propeller for maintaining the craft in flight, apparatus for automatically synchronizing said engines and their respective propellers, comprising an electric motor at the controlled engine and having a pair of relatively rotatable coils, means operated by the master engine for causing one of said coils to produce a reversing magnetic field which reverses in accordance with the speed of said master engine, means operated by the controlled engine for causing the other coil to produce a reversing field which reverses in accordance with the speed of said controlled engine, whereby relative rotation takes place between said coils due to a change in phase relation produced between the two fields by a difference in speed of the two engines, and means actuated by the relative rotation of said coils for regulating the speed of the controlled engine to that of the master engine whereby said engines and their respective propellers are maintained in synchronism.

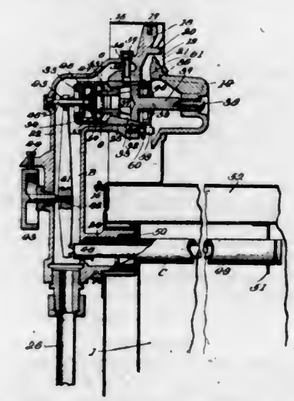
2,066,820
SLOT MECHANISM
Edwin J. Brown, New York, N. Y.
Application October 24, 1932, Serial No. 639,266
6 Claims. (Cl. 194—1)

5. In a token-actuated device, rotatable slotted selector plates, means for manipulating said plates, means actuating said device, when the correct number of correct tokens is delivered into the slots in said plates and when said plates are manipulated, a false token pocket, a refund pocket, and a collection pocket alternately aligned with the slots in said manipulated plates, and means releasing from the slots of said manipulated



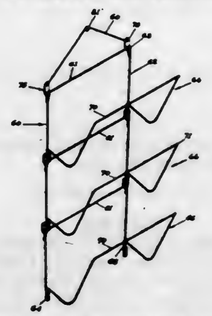
plates false tokens, wrong change, and the tokens actuating said device to said pockets, respectively.

2,066,821
THERMOSTATIC HEAT CONTROL FOR STOVE OVENS
Isaac Vernon Brumbaugh, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application August 23, 1932, Serial No. 630,148
31 Claims. (Cl. 236—15)



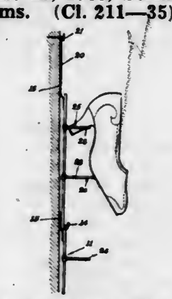
1. For use with a stove having a burner, an automatic heat regulator comprising a housing having a chamber adapted for communication with a fuel supply pipe, said housing having communication with said burner, a reciprocable valve in said chamber controlling communication between the chamber and the housing, thermostatic means for opening said valve, a movably mounted seat for said valve, a rotatable tapered plug valve in said chamber for controlling the admission of fluid to the chamber, means to rotate said valve to open and close the same, and connection between said rotary valve and the seat of said reciprocable valve, whereby said valve seat is moved towards and away from the reciprocable valve when the rotatable valve is rotated.

2,066,822
RACK
Leon Cohen, Downey, Calif.
Application August 13, 1935, Serial No. 35,949
5 Claims. (Cl. 211—13)



5. In a rack, an upper frame unit having parallel side bars, each with an upturned hook at the bottom, a lower frame having a top rail and depending side bars and an offset plate connected to the upper portion of each side bar of the lower frame, the top rail being suspended by the said hooks, each offset plate extending upwardly back of a hook to restrain outward tilt of the frame units.

2,066,823
SECTIONAL SHOE RACK
Leon Cohen, Downey, Calif.
Application August 13, 1935, Serial No. 35,950
4 Claims. (Cl. 211—35)

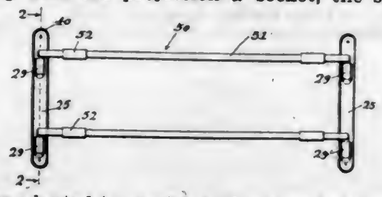


1. A shoe rack having a plurality of rack units, each unit having a horizontal rail and vertical side bars all in the same plane, the side bars having an outwardly bent hook at the bottom, each side bar also having an inwardly spaced plate at the top, such plate extending above the rail of the unit, each of the side bars having brackets secured thereto for mounting shoes, a lower unit being connected to an upper unit by its rail being engaged by the hooks of the upper unit, and the spacing plate of the lower unit extending upwardly at the back of the side bars of the upper unit above the hooks.

2,066,824
SHOE HOLDER BRACKET
Leon Cohen, Downey, Calif.
Application March 11, 1936, Serial No. 68,236
6 Claims. (Cl. 211—35)

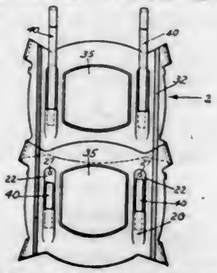
1. A holder bracket having a wall and a facing plate secured together, the facing plate having a slit, a projection formed at one side of the slit forming a space between the plates with an entrance to said space adjacent the said slit, the wall plate having a forwardly projecting boss

extending partly into the said space and defining with the projection a socket, the socket



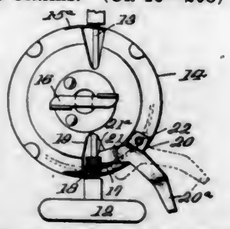
being adapted to receive a plug inserted through the opening adjacent the slit.

2,066,825
BRACKET FOR HOLDING POCKETBOOKS
Leon Cohen, Downey, Calif.
Application May 26, 1936, Serial No. 81,926
13 Claims. (Cl. 211—13)



1. In a bracket, a wall plate having a horizontal slit, a socket face portion pressed forwardly below the slit, a tab secured to the back of the plate below the slit and forming the back portion of a socket.

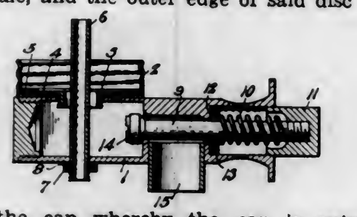
2,066,826
BRAKE FOR TOY VEHICLES
Harold Frank Davis, Keene, N. H., assignor to Kingsbury Manufacturing Company, Keene, N. H., a corporation of New Hampshire
Application March 23, 1935, Serial No. 12,719
4 Claims. (Cl. 46—208)



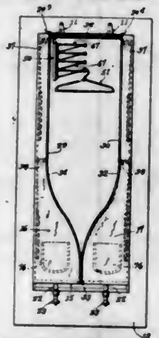
1. In a toy vehicle, driving wheels, a motor, intermeshing gears for providing a driving connection between said motor and said wheels, and a brake device movable into locking engagement with one of said gears at a point removed from the intermeshing portions of the gear teeth.

2,066,827
LIQUID DISPENSING DEVICE
Carl S. De Witt, Long Beach, Calif.
Application October 29, 1934, Serial No. 750,503
2 Claims. (Cl. 221—94)

1. A liquid dispensing device comprising a faucet body, a valve seated in the body, an outlet spout depending from the body, a threaded cap swivelly mounted on the top of the faucet body, a ferrule threaded into the body, a disc, the inner edge of said disc being clamped under the ferrule, and the outer edge of said disc engaging the cap whereby the cap is swivelly mounted and an air tube extending thru the body and centrally thru the threaded cap.

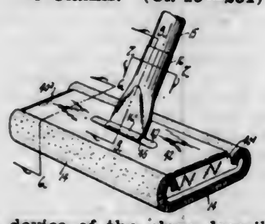


2,066,828
PORTABLE, FOLDABLE, AND EXTENDIBLE WARDROBE
Humbert W. Di Cristina, Decatur, Ga.
Application February 18, 1936, Serial No. 64,592
10 Claims. (Cl. 312—5)



1. In a portable, foldable and extendible wardrobe, a foldable, flexible split front bag-like body formed with a pair of oppositely shiftable portions providing closures constituting a sectional front for the wardrobe, said body having portions thereof providing the top, rear, side and bottom walls of the wardrobe, a slide fastener device for detachably connecting the lengthwise edges of said closures in abutting relation, and oppositely disposed spring controlled pulling means for automatically shifting said closures in opposite directions to open position on the opening of the slide fastener device.

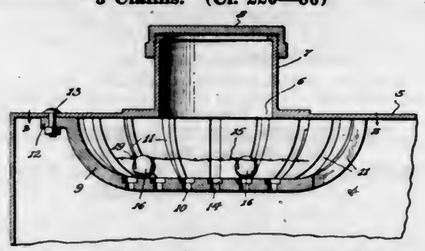
2,066,829
APPLICATOR FOR APPLYING WAX, VARNISH, POLISH, AND THE LIKE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Inc., Des Moines, Iowa
Application July 23, 1934, Serial No. 736,570
3 Claims. (Cl. 15—231)



1. In a device of the class described, a plate rectangular in outline, having at its side edges,

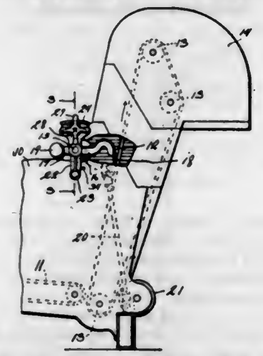
flanges extending upwardly with their upper portions projecting inwardly from the planes of the lower portions thereof, a piece of fabric arranged over the bottom face of the plate and having its side edges bent up and around said flanges, a clamping plate having down-turned flanges at its side edges convex in vertical section for frictionally gripping said side edges of the fabric against the flanges of the first plate, the flanges on at least one plate being resilient, said lower plate having at its ends upturned members to hold the fabric in place against endwise displacement, the upper plate having at its ends down-turned flanges inside said last-named members to prevent the upper plate from endwise displacement.

2,066,830
DEVICE FOR PREVENTING THEFT OF GASOLINE FROM FUEL TANKS
John A. Fenton, North Andover, Mass.
Application August 14, 1935, Serial No. 36,200
3 Claims. (Cl. 220—86)



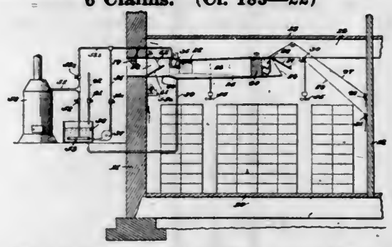
1. The combination with a fuel tank having a filling opening in its upper wall, of a guard secured within the tank and extending across the filling opening, the bottom of said guard being provided with perforations, the walls of which are counter-bored to provide enlarged upper portions permitting free passage of liquid through the perforations, there being passages formed in the side walls of the guard and terminating short of the perforations, and means for securing the upper portion of the guard against the inner face of the upper wall of the tank about the filling opening.

2,066,831
COMB ADJUSTING MECHANISM FOR FEEDERS
Frank L. Furbush, Graniteville, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass., a corporation of Massachusetts
Application August 22, 1936, Serial No. 97,453
5 Claims. (Cl. 19—78)



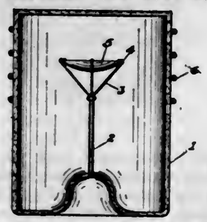
1. In a mechanism of the character described, having side frames, a spiked conveyor operating between the frames and a doffer shaft having doffing means thereon coacting with the conveyor; arms pivotally supported at one end and supporting the doffer shaft for movement toward or from the conveyor, a shaft extending across the machine and through the side frames, a rack and a pinion disposed at opposite ends of the last named shaft, one being supported by the said arms and the other being held against movement toward or from the conveyor, a shaft extending transversely across the machine and upon which the pinions are mounted, means on one end of the shaft whereby it may be rotated, and releasable means for locking the shaft against movement after adjustment.

2,066,832
HUMIDIFYING AND TEMPERATURE CONTROL APPARATUS FOR CITRUS FRUIT STORAGES AND LIKE STRUCTURES
Norman H. Gay, Los Angeles, Calif.
Application March 1, 1935, Serial No. 8,967
6 Claims. (Cl. 183—22)



1. An air conditioning device comprising a horizontal duct having convergent and divergent walls providing a Venturi throat, said duct having open ends and a straight axis of symmetry whereby to avoid conduit friction losses, a spray nozzle located at said Venturi throat and directed horizontally toward the outlet end of the duct collection means included in said duct for removing excess water deposited from the air in said duct, the bottom of the duct being constructed and arranged to provide a sump for receiving said excess water, pump means for supplying water under pressure from said sump to said nozzle to cause the movement of air through said duct, means for heating the water, and damper means for controlling the outlet of air from the end of the divergent portion of the duct and operating to deflect a small volume of air through a greater downward angle than a larger volume.

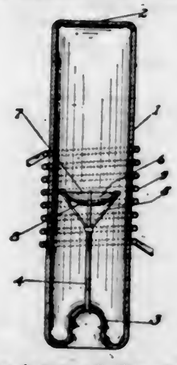
2,066,833
GLOW LAMP
Samuel E. Gertler, New York, N. Y., assignor of one-half to Harry I. Stein, New York, N. Y.
Application November 25, 1935, Serial No. 51,376
11 Claims. (Cl. 176—1)



1. In a device of the class described, in combination, a glow member for an electric lamp

comprising a circular disc shaped member, formed of tungsten, said glow member being relatively thin at its peripheral edge portion and becoming relatively thicker along its radii, the material of said glow member being so distributed that heat produced by electric currents induced within itself by a current of high frequency will effect a uniform heating of all parts of the material of said disc shaped member, and a coil coaxially disposed with respect to said disc shaped member for inducing a current of high frequency in said disc shaped member.

2,066,834
GLOWLAMP
Samuel E. Gertler, New York, N. Y., assignor of one-half to Harry I. Stein, New York, N. Y.
Application April 10, 1936, Serial No. 73,704
6 Claims. (Cl. 176—1)



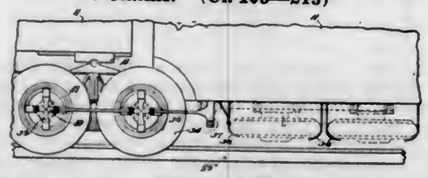
1. In a glow lamp of the class described, in combination, a translucent envelope, a solitary, disc-shaped glow member the material of which is relatively thin at its peripheral edge and relatively thicker at its central axis supported within said envelope, and a hollow coil positioned about said envelope and disposed coaxially with respect to said glow member.

2,066,835
RHEOSTAT
Donald F. Hastings, Radburn, Fair Lawn, N. J., assignor to Hardwick, Hindle, Inc., Newark, N. J.
Application August 21, 1936, Serial No. 97,168
9 Claims. (Cl. 201—56)



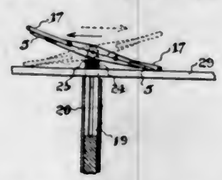
1. In a rheostat, a mounting plate, an annular core of ceramic material fastened to said plate, said core having a recessed portion with terminal studs positioned in the wall of the core and connected to contact clips located within the recess, a winding on the core terminating at the opposite ends of the recess and connected to contact clips at these ends, said winding being covered with a coating of vitreous enamel except for its inner peripheral surface which is bared to provide a brush track, a shaft rotatably carried by said mounting plate, a circular insulator preferably of ceramic material carried by said shaft for rotation therewith, said insulator having a centrally located annular recess and a pocket adjacent said recess, said pocket opening on one side into the recess and opening on the opposite side toward said winding track, a brush located in said pocket and having parts projecting through both of said openings, one projecting part contacting with said winding track, a spring in the pocket for urging said brush radially into contact with the winding track, a conductor spirally arranged in said annular recess and having one end connected to said brush, a centrally located brush terminal in said recessed portion of said core and having a projecting part extending into said annular recess and connected to the said spirally arranged conductor, a disc-shaped insulator fastened to the first mentioned insulator and covering said annular recess and pocket.

2,066,836
ROAD AND RAILWAY VEHICLE
John R. Hughes, Boston, Mass.
Application May 26, 1934, Serial No. 727,715
7 Claims. (Cl. 105—215)



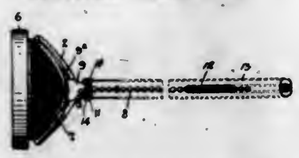
1. A vehicle for rail and road travel comprising a chassis, flanged rail wheels therefor, road wheels detachably secured to the rail wheels, and a demounting arm pivotally connected to the chassis and having means engageable with a road wheel for swinging the road wheel and conveying it beneath the chassis, said engaging means being rotatable relative to the axis of the arm so that the wheel may be turned to horizontal position.

2,066,837
SAFETY RAZOR
Charles Brink Janes, Toronto, Ontario, Canada
Application April 15, 1935, Serial No. 16,364
6 Claims. (Cl. 30—38)



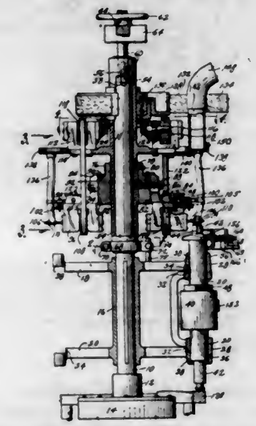
1. In a safety razor, a head comprising a pair of clamping plates; a blade mounted between said plates with its cutting edge projecting beyond the edge of said plates; a guard member; said plates having bearing seats formed in their adjacent surfaces in which said guard member is pivoted, and also a recess intermediate said bearing seats; and spring means in said recess adapted to normally hold said guard in a position in the same plane as the blade.

2,066,838
EYE PROTECTIVE DEVICE
Donald E. Kimball, Cleveland, Ohio, assignor to The Safety Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application January 27, 1934, Serial No. 708,647
Renewed June 4, 1936
12 Claims. (Cl. 2—14)



1. An eye protective device, comprising goggle cups and holding-means for holding the same in place, including a chain, a tubular cover therefor, and snap-securing means for anchoring the cover.

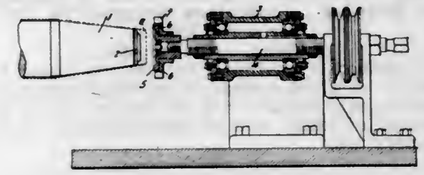
2,066,839
BUTTON SHAPING MACHINE
Harry H. Knott, Washington, Iowa, assignor to American Pearl Button Company, Washington, Iowa
Application August 20, 1935, Serial No. 37,013
5 Claims. (Cl. 79—7)



1. A button tooling machine comprising a plurality of reciprocably mounted traveling chucks and a traveling tool head, having a tool for engagement with a blank held in each chuck for tooling a design therein and on an axis at right angles to the axis of the blank, means for retaining said chucks against rotation while said design is being tooled therein, means for reciprocating said chuck a plurality of times for tooling a plurality of said designs in the blank held thereby, and means for rotating said chucks between the tooling operations to space said designs circumferentially relative to said blanks.

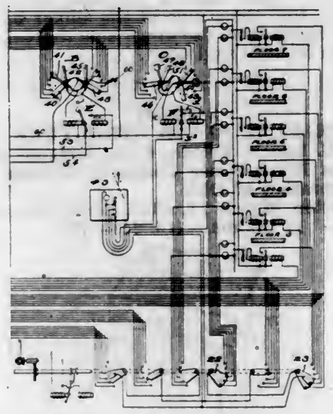
2,066,840
SPINNER HEAD
Lydia B. Koch, New York, N. Y., assignor to Reinforced Paper Bottle Corporation, New York, N. Y., a corporation of Delaware
Application December 20, 1935, Serial No. 55,367
1 Claim. (Cl. 93—36.5)

In a spinning device, in combination a bottle body carrying mandrel, a spinning member, a spinner shaft, a spinner head, an annular member suitably held on the spinner head and provided with a series of radial blades angularly set



so as to throw a current of air backwardly away from the end edge of the bottle blank as it is being spun.

2,066,841
ELEVATOR SIGNALING SYSTEM
Daniel Lewy, Chicago, Ill., assignor of one-half to Emil Paul Butusov, Chicago, Ill.
Application January 24, 1928, Serial No. 249,012
2 Claims. (Cl. 177—336)



1. In an elevator signaling system for a series of cars in separate hatchways serving a plurality of floors, a signal circuit for each floor for each car, a push button at each floor for closing a break in the respective circuits of the corresponding floor including a locking relay, each of said cars being provided with a manual transfer switch and its associated main feed circuit and an operator's signal, said transfer switch being normally closed, means operated by each car for completing the circuits related thereto; a spacing commutator for each car; a relay means associated with each spacing commutator, the contacts of which are in said manual transfer switch main feed circuit, said spacing commutators being electrically interconnected, each of said relay means having operating means controlled by their respective spacing commutators as a function of a predetermined spacing of said cars traveling in the same direction, whereby said relay means operate automatically when two cars approach within a predetermined vertical distance of each other in the respective hatchways to prevent the closing of a second break in the circuit for the floor signal of the advance car while closing the circuit of the floor signal for the rear car.

2,066,842

COATING MAGNESIUM

Herman J. Lodeesen, Detroit, Mich., assignor, by mesne assignments, to The Patents Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application December 22, 1934, Serial No. 758,825

1 Claim. (Cl. 148—6)

A method of coating a surface the major ingredient of which is magnesium, which consists in treating said surface with an approximatoly 1% solution of oxalic acid at approximately boiling temperature.

2,066,843

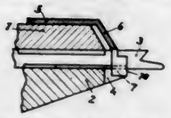
HOSIERY KNITTING MACHINE

Anton Loimann, Chemnitz, Germany

Application February 8, 1934, Serial No. 710,333

In Germany February 22, 1933

3 Claims. (Cl. 66—98)



1. In a machine for knitting flat hosiery, a sinker bar head, and a movable presser bar guided on the upper side of the sinker bar head and extending from the upper side thereof downwardly in front of said head.

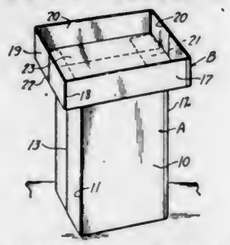
2,066,844

DISPLAY STAND STRUCTURE

Harold E. Lynch, Toledo, Ohio, assignor to The Ottawa River Paper Company, Toledo, Ohio, a corporation of Ohio

Application March 23, 1936, Serial No. 70,284

11 Claims. (Cl. 248—174)



1. A display stand comprising a pedestal having a plurality of relatively movable panels connected by vertically disposed score lines, a top having portions extending laterally beyond the sides of said pedestal and provided with side walls, opposite side walls having intermediate score lines, tab means depending from said side walls in overlapping relation to said pedestal, and means securing said tab means to said pedestal, said pedestal and top being collapsible concomitantly along said fold lines.

2,066,845

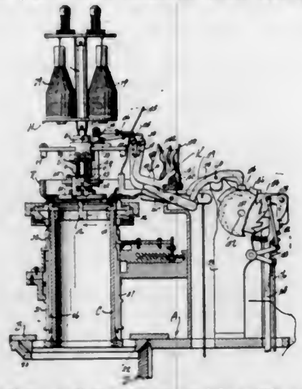
KNITTING MACHINE

Harry McAdams, Reading, Pa., assignor to Nolde and Horst Company, Reading, Pa., a corporation

Application June 28, 1932, Serial No. 619,779

8 Claims. (Cl. 66—135)

1. In a knitting machine the combination of a rotary needle supporting cylinder, a rotary bobbin stand, yarns upon the bobbin stand, independently movable feed members rotatable with the bobbin stand, means to selectively move said members into yarn feed relation with the needles of



the cylinder, and means movable with and directly on each of said members for taking up slack yarn at the feeding end of the said yarn.

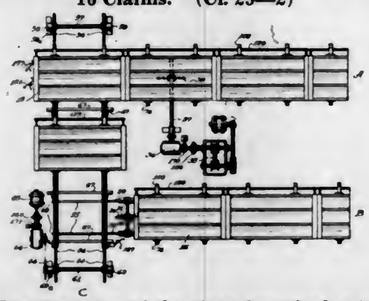
2,066,846

APPARATUS FOR MOLDING PLASTIC MATERIALS

William M. McNeil, Warren, Ohio, assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application June 15, 1934, Serial No. 730,687

16 Claims. (Cl. 25—2)



1. In apparatus of the class described, a travelling slab mold having a hingedly connected portion, means for inverting said mold, and means for halting said mold adjacent said inverting means, said inverting means comprising means for engaging a side of said mold, and means for actuating said engaging means to carry said engaged side of the mold through an arc of substantially 180° to eject a slab from the same.

2,066,847

HAIR DRIER

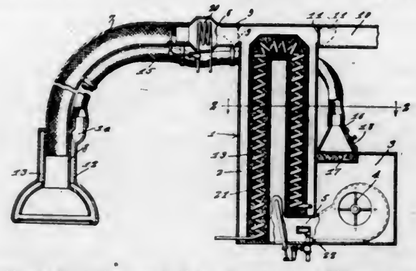
Royal McShea, Medicine Lodge, Kans.

Application December 9, 1935, Serial No. 53,670

1 Claim. (Cl. 34—26)

A hair drier comprising a casing having a vertically arranged chamber and a fan chamber connecting with the lower end of the vertical chamber, said vertical chamber having opposed outlets adjacent the upper ends thereof, valves for controlling said outlets, a head engaging means connected to one of said outlets, means connecting said head engaging means to the fan chamber, a fan operating in the fan chamber for forcing air through the vertical chamber to said head engaging means, a heating means located between

the fan chamber and the vertical chamber and contacted by the air from the fan, spaced absorbent beds arranged endwise of the vertical chamber and each including connected parallel



portions to intercept the air passing through the vertical chamber, and cooling coils extending substantially the full lengths of the absorbent beds and embedded therein.

2,066,848

CHILL CAST IRON ALLOY ROLL

Paul D. Merica, New York, N. Y., and James S. Vanick, Elizabeth, and Thomas H. Wickenden, Roselle, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original application October 21, 1926, Serial No. 143,293. Divided and this application December 26, 1934, Serial No. 759,316

15 Claims. (Cl. 80—58)

1. A high carbon chilled iron alloy roll having a definite chill and containing a small amount of silicon to ensure a definite chill and also containing a substantial quantity of nickel to secure toughness of said chill, the silicon being not to exceed .65 and being in such small quantity as to offset or compensate the chill destroying or reducing effect of the large amount of nickel.

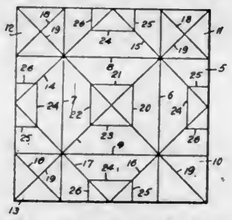
2,066,849

COMBINED NAPKIN AND DESTRUCTIBLE FOLDING BASKET

Marie J. Morse, South River, N. J.

Application October 18, 1934, Serial No. 748,826

1 Claim. (Cl. 206—57)



A combined napkin and destructible folding basket consisting of a flat fabric sheet formed with a pair of fold lines extending across the sheet in one direction and in spaced relation to each other, said sheet being rectangular and being also formed with a pair of fold lines extending at right angles to the first fold lines and from one side of the sheet to the other side of the sheet, said sheet being further formed with a diagonal fold line extending from each corner of the sheet to the opposite corner and crossing each other at the center of the sheet, said sheet being further formed with fold lines extending from each side midway of the corners thereof in a diagonal direction to the adjacent sides, each side being further formed with a fold line connecting the adjacent diagonal fold lines and spaced from the center of each side and still further formed with fold lines disposed at right angles thereto, the sheet being foldable so that triangular upstanding corner portions are provided within which objects can be held, the fold sheet also providing base feet located midway of the upstanding holding portions to support said fold sheet in basket formation.

2,066,850

MANUFACTURE OF PHOTOGRAPHIC FILM

Gale F. Nadeau, Rochester, N. Y., assignor to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application December 24, 1934, Serial No. 758,988

14 Claims. (Cl. 91—69)

1. A gelatin solution suitable for the subbing of photographic film support which comprises gelatin dispersed in a solvent by means of an organic acid decomposable into volatile or non-volatile, non-corrosive compounds at temperatures of 180°–260° F.

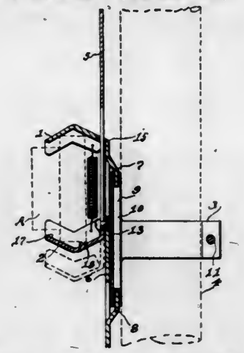
2,066,851

TANK CAP HOLDER

Warner V. Noyes and James P. Kalteux, Schenectady, N. Y.

Application March 21, 1936, Serial No. 70,137

5 Claims. (Cl. 24—81)



1. In a device of the class described, two jaw members, one of said jaw members being movable and the other one of said jaw members being stationary, strap members extending from each of said jaw members, the strap member of the movable member passing through a slot in the stationary jaw member, a pair of tension springs for drawing together said jaw members, a hose clamp, and means for attaching said device to said hose clamp.

2,066,852

SWIVEL CHAIN LINK

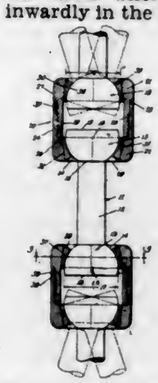
Benjamin G. Plummer, Long Beach, Calif.

Application February 25, 1935, Serial No. 8,038

14 Claims. (Cl. 74—246)

1. In a swivel chain, the combination of a coupling having a tubular collar with a central portion of larger internal diameter and tapers at each end, the tapers being outwardly, a pair of rod like links, each having a head of a ball type, the collar having an opening at each end of larger diameter than the ball on a head to be inserted through said opening, a bearing formed of a plurality of

sections at each end of the collar, each bearing having a tapered outer surface to non-rotatably engage the taper of the collar and each head and each bearing having spherical bearing surfaces, each bearing being disconnectible from its tapered contact with the collar whereby such bearing may be thrust inwardly in the portion of the collar of largest diameter and thereby the sections of each bearing may be separated one from another and removed from the collar one at a time, each head therefore being removable through the open end of the collar through which it may be inserted after removal of the sections of the bearing.

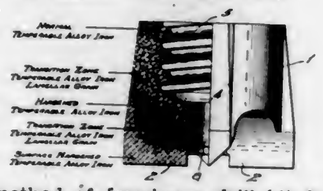


2,066,853

HEAT TREATMENT OF CAST DRILL BITS

Walter C. Rea, New York, N. Y., assignor to The Detachable Bit Corporation of America, Bridgeville, Pa.

Application July 18, 1933, Serial No. 681,030
2 Claims. (Cl. 148—21.7)



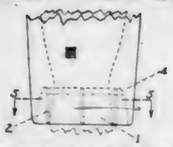
1. A method of forming a drill bit for rotative percussive drilling, which consists in casting the entire drill bit as a unit of a temperable alloy iron, subjecting the cutting portion only of the bit to a heat treatment of from 1700 to 1800° F. to secure an even heat, quenching the bit, subjecting the cutting portion only of the bit to a reheat of from 1650 to 1700° F., quenching the bit, subjecting the entire cast and heat treated bit in an annealing furnace to a drawing heat at a temperature of substantially 450° F., and then slowly cooling the bit.

2,066,854

KNICKER TURN-UP SPREADER

Morris Reich, Columbus, Ohio

Application February 13, 1933, Serial No. 656,416
4 Claims. (Cl. 2—228)



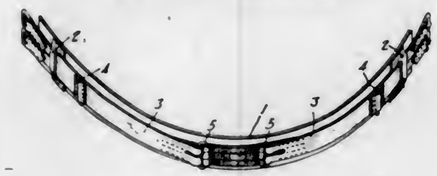
1. A knicker comprising a leg having a tapered turn-up portion, loops carried by said portion, and spreaders mounted in said loops and extending to the minimum diameter of said turn-up portion and adapted to maintain said portion spread.

2,066,855

SADDLE GIRTH

Alfred J. Robertson, Vancouver, British Columbia, Canada, assignor to Stanley Erhardt, doing business as the Whitman Saddle Manufacturing Co.

Application February 25, 1935, Serial No. 8,095
In India April 7, 1934
2 Claims. (Cl. 54—23)



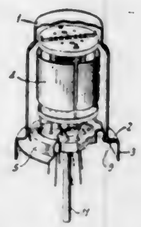
1. A saddle girth comprising an inelastic band fitting against the body of a horse, incapable of extension or buckling, a supplemental band located on the exterior of the inelastic band independently adjustable on the outside of said inelastic band, and comprising two parts having flat divided loops at the adjacent ends thereof, rubber straps having loops formed on the respective ends thereof, C-shaped links connecting the rubber straps to and between the adjacent ends of the parts of the supplemental band, each of said links having straight sides respectively disposed through the flat divided loop of the part of the supplemental band and through the adjacent loops of the rubber straps, and means for limiting the outward movement of the supplemental band longitudinally on the outside of the inelastic band.

2,066,856

STEM FOR ELECTRON DISCHARGE DEVICES

George M. Rose, Jr., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 28, 1936, Serial No. 66,231
6 Claims. (Cl. 250—27.5)



1. A stem for electron discharge devices, comprising two spaced concentric metal cylinders integrally joined at their ends by a transverse section to form a ring U-shaped in cross section, an annular flange extending radially outward from one rim of the outer cylinder of the ring, a vitreous disc closing the opening defined by the inner cylinder of the ring, and lead-in conductors sealed gas tight through said disc.

2,066,857

RESINOUS ADHESIVE AND PROCESS OF MAKING THE SAME

Charles E. Rozema, Grand Rapids, and Jacob H. Tigelaar, Jamestown, Mich., assignors, by mesne assignments, to Reconstruction Finance Corporation, a Federal corporation

No Drawing. Application October 18, 1933, Serial No. 694,054
2 Claims. (Cl. 134—26)

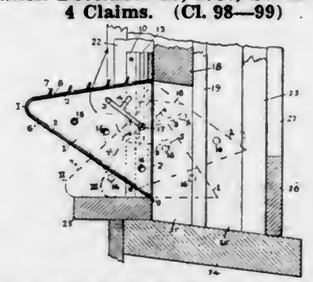
1. The process of producing an adhesive which comprises heating and stirring a mixture of phenolic and aldehydic resin-forming materials and an alkaline catalyst until there is obtained a liquid varnish-like product from which resinous bodies will separate upon addition of water, adding to such product a previously dissolved dispersing agent, then adding a weak acid somewhat in excess of the amount required to neutralize the catalyst but not sufficient to cause precipitation of the resin, then adding an agent to render the material alkaline, and mixing with the product thus obtained a substantial quantity of blood albumen.

2,066,858

TILTABLE WINDOW VENTILATOR

James Sannita, East Chicago, Ind.

Application December 10, 1935, Serial No. 53,795
4 Claims. (Cl. 98—99)



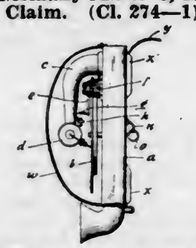
1. In tiltable ventilators, a triangular shaped end plate having a long slot formed therein and a short slot perpendicular thereto, a plurality of concave-convex areas on the end plate, a supporting plate, a raised projection thereon said projection having a lengthwise slot, a reverse groove formed lengthwise of the plate, a felt packing in the groove, a pivot screw passing thru the slots of the end plate and into the slot of the supporting plate, and means for retaining the pivot screws against accidental displacement.

2,066,859

PORTABLE PHONOGRAPH

Fritz Schiler, Amberg, Germany

Application November 24, 1934, Serial No. 754,641
In Germany March 6, 1933
1 Claim. (Cl. 274—1)



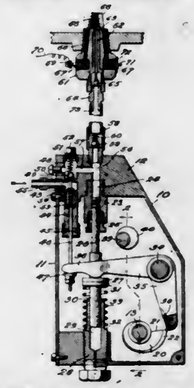
In a portable phonograph, particularly to be carried in vertical position during marching and including its operating mechanism, winding spindle, tone arm, sound box and its record engaging needle, an arm turnable about its axle, a spring attached to said arm and to the tone arm to hold the needle against the record during the march ensuring an uninterrupted reproduction of the record, a roller carried by said tone arm having lateral play, a two-armed lever, one of its arms constituting an inclined plane engaged by said roller, a spring wound about the other arm of said lever extending to the outside of the phonograph and having a handle for lifting the needle from the record to allow said roller to slide down said inclined plane for returning the tone arm into its original position during marching, a stop pin in front of the apex of said two-armed lever to be engaged by said roller when reaching the end of said inclined plane to allow the spring wound about the arm of said two-armed lever to again engage the needle with the record, a pulley on said winding spindle, a spring within said pulley and a rope attached to said pulley and extending to the outside of the phonograph and having a handle to wind said spring and the operating mechanism of the phonograph while the same is carried.

2,066,860

PUMP AND INJECTOR NOZZLE FOR DIESEL ENGINES

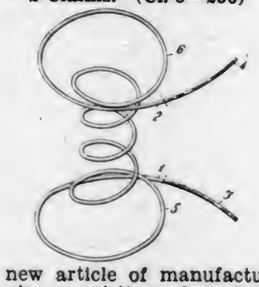
Alton Shumake, Huntington Park, Calif.

Application July 2, 1934, Serial No. 733,435
2 Claims. (Cl. 103—40)



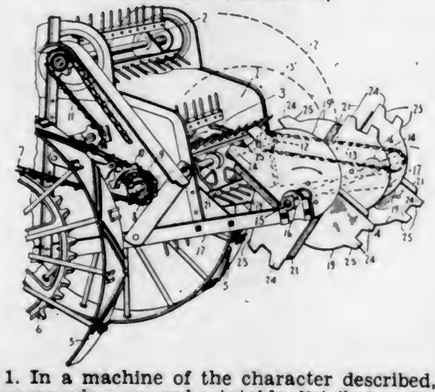
1. In a liquid hydrocarbon fuel pump, a housing provided with a piston chamber, a fuel inlet duct leading to said chamber, a spring pressed check valve located in said duct for preventing rearward flow of liquid fuel through said duct, a spring pressed rod for normally holding said check valve off its seat, a piston arranged for reciprocatory movement in the piston chamber, a spring for yieldingly resisting the suction stroke of the piston, a fulcrumed rocker arm for moving the piston against the resistance of the last-mentioned spring, a cam for actuating said rocker arm, adjustable means carried by said spring pressed valve unseating rod and adapted to be engaged by the rocker arm for moving said spring pressed rod lengthwise only in the direction permitting the check valve to rest on its seat, said check valve seating as said rocker arm approaches the limit of its movement in imparting suction movement to the piston, the spring associated with said rod being stronger than the spring associated with said check valve, and weaker than the spring associated with said piston.

2,066,861
UPHOLSTERY SPRING
Charles R. Simmons, Chicago, Ill., assignor to Nachman Spring-Filled Corporation, Chicago, Ill., a corporation of Illinois
Application April 12, 1935, Serial No. 16,019
2 Claims. (Cl. 5—256)



1. As a new article of manufacture, an upholstery spring consisting of a single piece of wire presenting annealed, bendable terminal end portions and a hardened body portion.

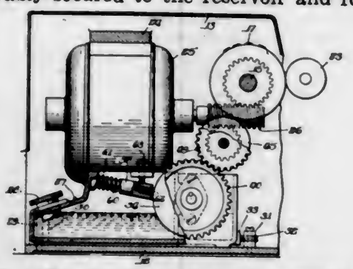
2,066,862
DISTRIBUTOR BLADE FOR MANURE SPREADERS
Henry Synck, Coldwater, Ohio, assignor to The New Idea Spreader Company, Coldwater, Ohio, a corporation of Ohio
Application November 7, 1934, Serial No. 751,890
2 Claims. (Cl. 275—6)



1. In a machine of the character described, a transversely arranged rotatable distributor shaft, a distributor blade connected to rotate therewith, said blade being positioned obliquely to the axis of rotation of said shaft, said blade having a smooth curved edge which increases in distance from the axis of rotation in a direction reverse to the direction of rotation, and at least one tooth projecting from said curved edge located only adjacent the point of greatest distance from the axis of rotation of said blade, the forward edge of said tooth providing an abrupt change in the otherwise smooth curved edge of the blade.

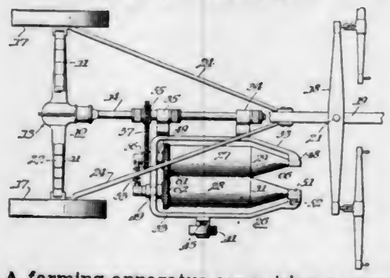
2,066,863
INKING MECHANISM
Hjalmar A. Swanson, Chicago, Ill., assignor to Cummins Perforator Company, Chicago, Ill., a corporation of Illinois
Application April 5, 1934, Serial No. 719,098
5 Claims. (Cl. 101—350)

1. In inking mechanism, the combination with a type carrying cylinder, of an inking roller for supplying ink thereto, means rotatably mounting said roller for contact with the type on said type cylinder, an ink reservoir, a shaft journalled in said reservoir, means at each end of said shaft removably secured to the reservoir and forming



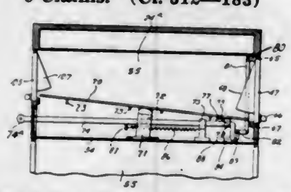
a sealing fit with the ends respectively to prevent leakage of ink from the reservoir while permitting rotation of the shaft, and an ink distributing roller mounted on said shaft and having rotation therewith.

2,066,864
FARMING APPARATUS
Furman L. Tucker, Anderson, S. C.
Application February 29, 1936, Serial No. 66,467
4 Claims. (Cl. 55—66)



1. A farming apparatus comprising a propeller shaft, a pair of rolls, means for mounting said rolls in adjustable relation with said shaft, said means including a U-shaped frame, the last said means adapted to support one roll in rigid fixed relation with said frame and the other of said rolls in movable relation with both the said frame and the first said roll.

2,066,865
RESTAURANT APPARATUS
Truly Warner, New York, N. Y.
Application March 18, 1931, Serial No. 523,453
9 Claims. (Cl. 312—183)



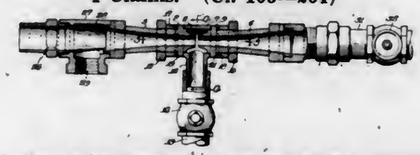
2. In apparatus of the character described, in combination, a box, means for obtaining access to said box at either end thereof, and a turntable axially mounted within said box and adapted to support articles thereon, the plane of said turntable slanting toward one end of said box to facilitate the rotation of said turntable and the movement of said articles toward said end of said box.

2,066,866
CONTINUOUS FLOW CONVEYER
Albert F. White, Toronto, Ontario, Canada
Application August 26, 1935, Serial No. 37,880
In Canada April 18, 1935
2 Claims. (Cl. 198—154)



1. A continuous flow elevator including an upwardly extending casing formed with a substantially entirely closed rising leg and a bottom loop and having an inlet into the loop and a front outlet in the rising leg; and a conveyer element comprising an endless chain movably mounted to move longitudinally of the casing and round the loop and a plurality of spaced, transverse, conveyer flights secured to the chain and each substantially filling the cross section of the rising leg and bottom loop of the casing, each flight being inclined to the horizontal from back to front and also to the length of the chain to discharge through the outlet as it reaches the level of said outlet, the back and front edges of each flight being substantially parallel to the axis of the loop.

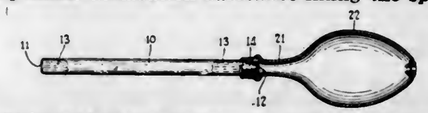
2,066,867
INJECTOR HEATER
John C. White, Madison, Wis.
Application July 6, 1936, Serial No. 89,156
4 Claims. (Cl. 103—264)



1. An injector heater comprising a Venturi tube consisting of a pair of oppositely tapered tubes arranged in axial alignment with their smaller opposed ends disposed in spaced apart relation, said tubes being provided with circumferential shoulders in proximity to said smaller ends, a cylindrical housing surrounding the spaced apart ends of said tubes and abutting said shoulders, and means for clamping said tubes and housing rigidly together, said means comprising a pair of split sleeves surrounding said tubes and a plurality of bolts connecting said sleeves whereby said sleeves are forced against said shoulders to clamp the housing between said shoulders.

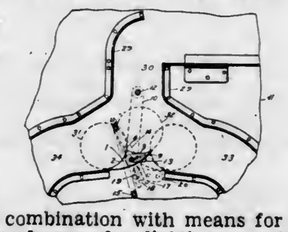
2,066,868
DISPENSING UNIT
Lloyd B. Whittaker, New York, N. Y.
Application March 4, 1935, Serial No. 9,195
2 Claims. (Cl. 128—231)

1. A medication unit for storing a dispersible medication substance in sanitary condition and directly discharging the medication substance at its point of application comprising an elongated tubular casing of uniform cross-section having a discharge opening at its front end, a plug member of a porous flexible fabric fitting into the rear end of said casing, the entire body of said plug member being saturated with a gas tight sealing substance clinging to the walls of said casing and sealing the rear end of said casing, and an expellable medication substance filling the space



within said casing between said discharge opening and said plug member, said plug member constituting a piston adapted to be impelled by air pressure applied to the rear end of said casing through the length of said casing for expelling said medication substance through said discharge opening, and a detachable elastic coating clinging to said casing walls and constituting an enclosure sealing said discharge opening and a substantial length of said casing walls.

2,066,869
CONVEYER DIVIDER
Charles H. Wild, Baltimore, Md., assignor to Burt Machine Company, Incorporated, Baltimore, Md., a corporation of Maryland
Application November 30, 1935, Serial No. 52,338
8 Claims. (Cl. 193—39)



1. The combination with means for feeding a single line of cans of a dividing vane for deflecting the successive cans into two different chutes, means for guiding the cans on said chutes, means for supporting the vane in the path of the single line of cans whereby each can comes in contact with the vane, and means automatically actuated by the cans for actuating the vane operating in co-ordination with the impact of the cans against the vane to be tripped thereby to shift the fulcrum of the vane transversely to the path of the cans causing the successive cans to contact opposite sides of the vane, carrying the successive cans in different directions transverse to said path, one-half of the cans made up of alternate cans being delivered to one chute and the other half being delivered to the other chute.

2,066,870
ALLOYS OF RHODIUM AND NICKEL
Edmund M. Wise, Westfield, and Raymond F. Vines, Elizabeth, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 5, 1934, Serial No. 756,046
3 Claims. (Cl. 75—170)

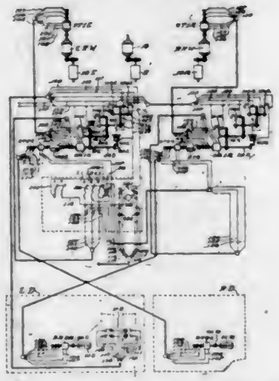
1. A corrosion resistant alloy composed of about 25 to 65% of rhodium and the balance consisting of substantially all nickel, said alloy being corrosion resistant to writing fluids.

2,066,871
EDUCATIONAL APPLIANCE
George M. Wolfe, Seattle, Wash.
Application November 17, 1930, Serial No. 496,187
2 Claims. (Cl. 35—35)



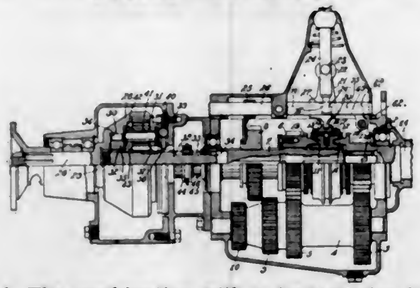
1. In a word-building device of the character described, a thin flat piece bearing a picture that suggests a word, and the initial component of said word, a portion of said piece, at the right of said initial component of said word, cut away, larger than the space required for the complementary terminal component of said word; and another thin flat piece bearing a picture that suggests the same word that is suggested by the picture on the aforesaid piece, and the complementary terminal component of said word, a portion of said latter piece, at the left of said terminal component of said word, cut away, larger than the said complementary initial component of said word, on the aforesaid piece, either of said two pieces adapted to be laid over the other of said two pieces, thereby exposing one of the said complementary components of said word, on the upper piece, and the other complementary component of said word, on the under piece, in proper alinement to construct said suggested word.

2,066,872
CONTROL SYSTEM FOR STRIP MILLS AND THE LIKE
Gilbert Edward Adams and Edward Crutchfield Marshall, Gary, Ind.
Application October 9, 1934, Serial No. 747,494
23 Claims. (Cl. 242—75)



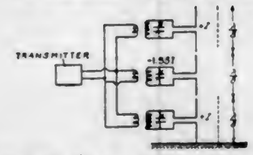
1. The combination with a current source, control means therefor operable to progressively diminish the current delivered therefrom and an electric motor energized by said delivered current, of means actuated by the motor operative to successively energize and deenergize the control means to thereby effect progressive diminution of the motor torque in predetermined timed relation with the movement of the motor and means actuated from the motor actuated means for interrupting said current at a predetermined interval after the control means are first brought into operation.

2,066,873
OVER-DRIVE TRANSMISSION
William B. Barnes, Indianapolis, Ind.
Application June 24, 1933, Serial No. 677,410
8 Claims. (Cl. 74—328)



1. The combination with a transmission having low, second, high, and reverse gearing drive, and an overspeed drive, of a shift lever, means operated by said shift lever for shifting said gearing to effect said low, second, high, and reverse drive, and means positioned to be engaged by said lever when moved to a position to the rear of low speed drive position of said lever for operating said gearing to effect an overspeed drive.

2,066,874
ANTENNA
Otto Böhm, Albrecht Gothe, and Hans Otto Roosenstein, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 30, 1933, Serial No. 695,734
In Germany October 31, 1932
5 Claims. (Cl. 250—33)



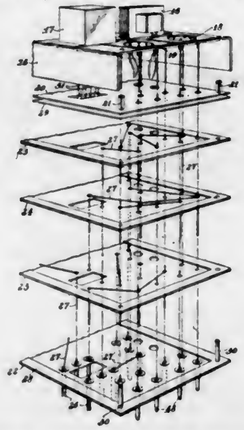
1. A vertical antenna having a section not exceeding one-half wave length and which section has at least three parts, and means for causing alternate parts to radiate in phase and adjacent parts out of phase.

2,066,875
BAND PASS AMPLIFIER COUPLING
Rene A. Braden, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application December 12, 1929, Serial No. 413,450. Divided and this application September 16, 1932, Serial No. 633,441
6 Claims. (Cl. 178—44)



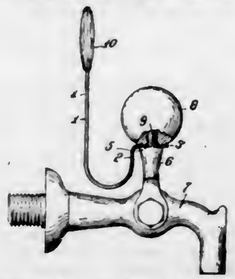
1. A band pass amplifier comprising at least two tuned circuits, an electrostatic shield between said circuits, a variable coupling reactance positioned between one of said tuned circuits and the shield, a second variable reactance connected to the first reactance and disposed between the shield and the other tuned circuit, said reactances varying the coupling between the tuned circuits simultaneously with tuning adjustments so as to maintain the accepted band width constant.

2,066,876
WIRING SYSTEM FOR ELECTRICAL APPARATUS
Glenn W. Carpenter, Haddonfield, and William D. La Rue, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 2, 1934, Serial No. 733,456
13 Claims. (Cl. 250—16)



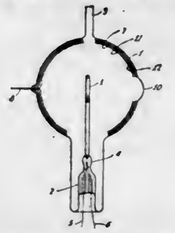
1. A wiring system for electrical apparatus comprising a stack of orificed laminations, a plurality of tubular members carried by at least one of said laminations and extending through at least one of said orifices and terminating at a point remote from the outermost surface of said stack, a plurality of preformed U-shape conductors disposed with their middle portions confined between said laminations and having their parallel portions projecting through selected ones of said tubular members, and means for bonding the ends of the parallel portions that are confined within any one tubular member.

2,066,877
ATTACHMENT FOR BEVERAGE DISPENSING FAUCETS
Curtis L. Cruver, Oak Park, Ill.
Application September 30, 1935, Serial No. 42,797
4 Claims. (Cl. 40—8)



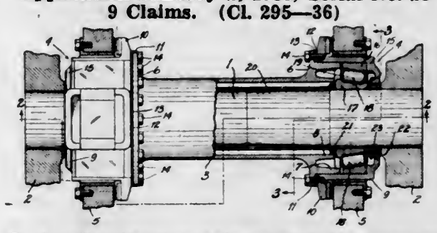
4. A device of the kind specified comprising a substantially U-shaped member having a long arm and a short arm, a flange provided with a perforation on the outer end of the short arm and extending away from the long arm, said flange being adapted to be secured to the valve stem of a faucet, a sign element, and interengaging means on the latter and the outer end portion of the said long arm for detachably engaging the latter with said sign element.

2,066,878
PHOTOELECTRIC TUBE AND PROCESS OF MAKING IT
Jan Hendrik de Boer and Marten Cornelis Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application May 22, 1931, Serial No. 539,174
In the Netherlands February 26, 1930
6 Claims. (Cl. 250—27.5)



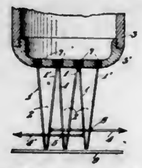
1. A photo-electric tube comprising a sealed glass bulb enclosing a pair of electrodes, one of said electrodes comprising a silver foundation layer, a sub-stratum consisting of a mono-molecular film of an alkali metal salt adsorbed on the surface of said foundation layer, and a thin layer of said alkali metal adsorbed on said film.

2,066,879
ROLLER BEARING AXLE CONSTRUCTION
Clifford L. Eastburg, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 2, 1935, Serial No. 23
9 Claims. (Cl. 295—36)



2. A roller bearing axle construction comprising an axle, wheels on the ends of said axle, a housing surrounding said axle between said wheels and in which said axle is rotatable, said housing having a cylindrical seat at each end and an outwardly extending radial rib at the innermost end of each of said seats, a bearing box mounted on each of said seats and secured to said rib, and roller bearings interposed between said axle and said bearing boxes.

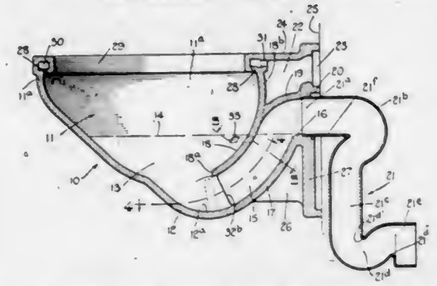
2,066,880
RECORDING DEVICE
Werner Eissfeldt, Berlin-Zehlendorf, Germany
Application August 14, 1935, Serial No. 36,237
13 Claims. (Cl. 274—5)



13. A recording device for producing a variable area sound track comprising a pair of oppositely

disposed blades adapted to hold a writing fluid, and means for vibrating at least one of said blades for varying the distance between the blades in accordance with vibrations of a physical magnitude to be recorded.

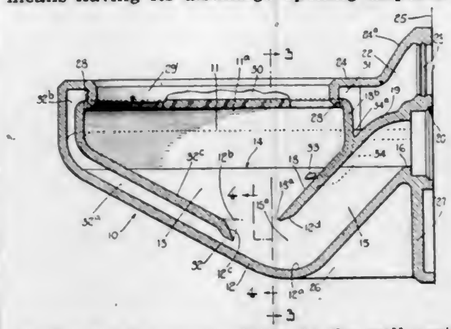
2,066,881
DEFECATOR
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application June 30, 1934, Serial No. 733,259
16 Claims. (Cl. 4—69)



1. A defecator comprising in combination a bowl having a portion thereof formed as the unobstructed upflow leg of a trapway, said bowl having a portion thereof formed as a well communicating with the intake of the trapway, the faces of the interior of the bowl above its stated well portion being substantially smooth and of general conical contour solely increasing in effective radius upwardly without increase of the rate of increase of the radius, to thereby avoid re-entrant wall formation, means forming a jet opening communicating with the bowl below the normal fluid level of the trap sealing fluid for imparting vortical movement to substantially the whole of the fluid contained in the bowl, channel means having an outlet communicating with and directed upwardly of and in substantially parallel relation to the direction of flow through the trapway, and means for supplying an effluent to said jet forming means and to said channel means, whereby the contents of the bowl is discharged without rise of the mean level of the fluid in the bowl.

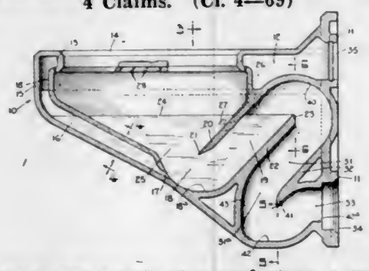
2,066,882
DEFECATOR
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 19, 1934, Serial No. 749,069
11 Claims. (Cl. 4—69)

1. A defecator comprising in combination, a bowl provided with a well portion, and further provided with an up-flow discharge means serving with the after-fill, to determine the normal level of the after-fill and normally seal the bowl, the faces of the interior of the bowl above the mouth of its well portion being substantially smooth and of general conical contour solely increasing in effective radius upwardly without increase of the rate of increase of the radius in the vicinity of the normal level of the contents of the bowl, to thereby avoid re-entrant wall formation in the stated vicinity, vortical jet means upon supply of the effluent for imparting vortical movement to the contents of the bowl, the opening of said vortical jet means being disposed below the normal level of the after-fill, up-flow discharge means communicating at its lower opening with the well portion of the bowl, momentum jet means upon supply of the effluent for imparting a momentum to the effluent and to the contents of the bowl to effect discharge of the same upwardly through the up-flow discharge means, the momentum jet means having its discharge opening disposed in



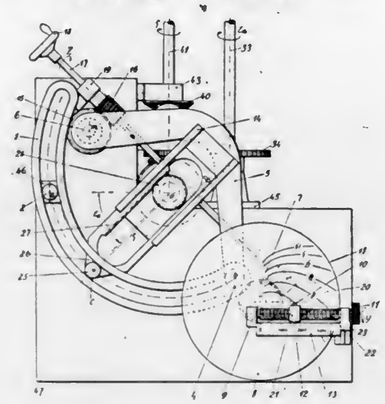
rectilinear alignment relative to the well portion and in rectilinear alignment relative to the lower opening of the upflow means, and rim openings disposed above said faces of general conical contour, said rim openings upon supply of the effluent being arranged to direct streams of the effluent in direction corresponding to and enhancing the stated vortical movement imparted by said vortical jet means.

2,066,883
DEFECATOR WITH INTEGRAL EVACUATOR
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application June 7, 1935, Serial No. 25,475
4 Claims. (Cl. 4—69)



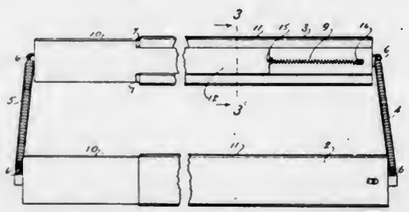
1. As a new article of manufacture, a sanitary device comprising a bowl proper provided with jet discharging means, channel means adapted for siphonic action upon the effective supply of effluent to and through said jet discharging means, said channel means comprising a downwardly directed channel portion, said channel means including a downflow effective section of re-entrant formation including a cross-sectional area appreciably less than the mean cross-sectional area of anterior sections of said channel means, said down flow section including a lowerly disposed horizontally extending foot portion and a thereto relatively upwardly disposed portion having an edge formation, effecting with such foot portion a vertical curtain of the effluent, said bowl proper and said channel means being formed of unitary integral material, the discharge opening of said channel means extending horizontally and disposed within the over-all horizontal dimensions of the upper face of the article.

2,066,884
MECHANISMS FOR THE CALCULATION OF FUNCTIONS WITH SEVERAL VARIABLES
Jiří Harlas, Prague, Czechoslovakia
Application April 11, 1936, Serial No. 73,980
In Czechoslovakia September 1, 1932
3 Claims. (Cl. 235—61)



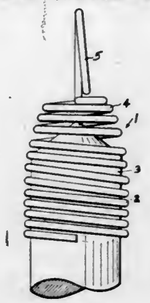
1. A device for calculating functions with several variables, comprising a curvilinear member having a slot, a pulley engaging in said slot, a link member hingedly connected to one end of said curvilinear member, a rotatable disc which carries on the face thereof a plurality of curves indicating different values of the dead time of operation from second to second, gearing operatively connecting said disc with said link member, a nut carrying two indicators and a scale indicating the height of the object to be followed, which scale is disposed adjacent to the face of said disc, a screw serving to move said nut along said scale, and an arm provided with a scale and swingable over said curvilinear member.

2,066,885
PAGE-FORM TIE-UP
Clifford F. Hanlen, Phoenix, Ariz.
Application July 18, 1936, Serial No. 91,280
2 Claims. (Cl. 101—404)



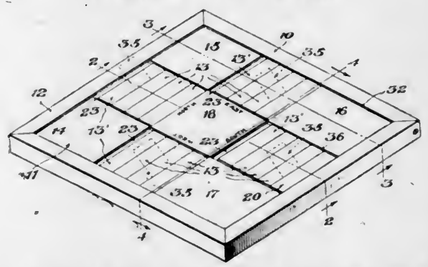
1. A page-form tie-up for "linotype" page-forms, comprising composite side bars, slideably adjustable as to length, composed of a left hand portion having longitudinal notches along its upper and lower edges, a right hand portion having folded upper and lower edges to provide channelways to receive the notched edges of said left hand portion whereby a smooth inner face is provided, and a long coil spring attached intermediate said bar portions, to provide a tension tending to resist lengthening of said bar, in combination with end elements composed of two long coil springs attached respectively to lugs on the adjacent ends of said side bars.

2,066,886
IMPLEMENT ATTACHMENT
Ralph F. Henn, Geneva, Ohio
Application December 4, 1935, Serial No. 52,636
2 Claims. (Cl. 248—360)



2. An attachment for implement handles comprising a single wire, one portion of the wire being coiled in the form of a single helix extending to one end and adapted to fit snugly over the end of the implement handle, the helix being cylindrical at the free end throughout the handle engaging part and having a plurality of handle engaging turns, said helix having a section smaller in diameter than the handle engaging part, the other portion of the wire extending from the reduced section of the helix and being shaped in the form of a hanger engaging means, the reduced section of the helix constituting a flexible connection between the handle engaging portion of the helix and the means.

2,066,887
CARD HOLDER
Carl H. Holmberg, Brooklyn, N. Y.
Application May 23, 1935, Serial No. 22,966
12 Claims. (Cl. 273—150)

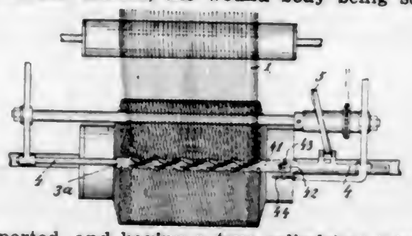


1. A card holder comprising a plurality of card receiving pockets arranged in four groups of four pockets each, and means for resiliently retaining cards inserted in said pockets.

2,066,888
CROSS-WOUND WARP BEAM
Gustav Kahlisch, Gladbach-Rheydt, Germany, assignor to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany
Original application July 11, 1933, Serial No. 679,957. Divided and this application October 4, 1935, Serial No. 43,615. In Germany August 17, 1932
2 Claims. (Cl. 28—37)

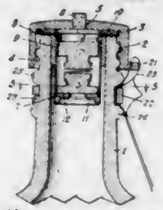
1. A warp beam consisting of a plurality of threads cross-wound across the complete extent thereof, with the threads at the ends of the beam for the extent of the traverse thereof wound with

a greater transverse density than those at the remainder thereof, the wound body being self-



supported, and having a true cylindrical lateral surface with no rounding of the ends.

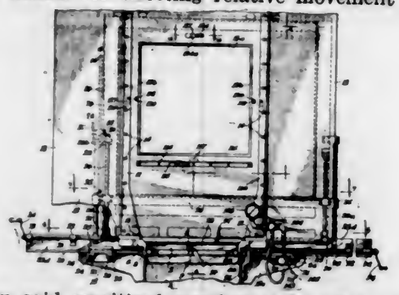
2,066,889
NONREFILLABLE CLOSURE FOR CONTAINERS
Murray Kay, New York, N. Y.
Application March 30, 1935, Serial No. 13,830
16 Claims. (Cl. 215—19)



1. In combination, a container having closure means adapted to close the open end of the container, an inner seal comprising a casing associated with said closure means and adapted to fit within the open end portion of said container, said casing having an inlet opening for the fluid contents of the container at its lower end and a discharge opening at its upper end, a valve element adapted to normally close said inlet opening, a coiled spring extending lengthwise of said casing and secured at its lower end to said valve element, a second valve element secured to the upper end of said coiled spring and positioned in said casing so that the coiled spring is placed under said tension as to maintain said first valve element in closed position until a sufficiently low vacuum is produced in said casing through the discharge opening thereof, destructible sealing means associated with said container and said closure means in such manner that said inner seal cannot be removed from the container without destroying said destructible seal and permanent sealing means associated with said destructible seal and the container in such manner that the substitution of a new destructible seal is precluded.

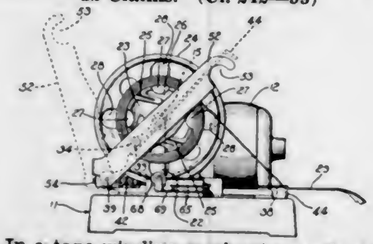
2,066,890
PHOTOCOMPOSING MACHINE
Alexander T. Koppe, Hasbrouck Heights, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application July 18, 1935, Serial No. 31,987
14 Claims. (Cl. 95—76)

1. In combination, means for supporting a sensitized member in a vertical plane, means for supporting a printing member in an adjacent vertical plane, means for effecting relative movement between said sensitized member and said printing member while said members are maintained in spaced relation with respect to each other, means forming a vacuum chamber within which said sensitized member is entirely enclosed, and means for effecting relative movement be-



tween said sensitized member and said printing member to bring them into contacting relation.

2,066,891
TAPE COIL WINDER
Edward S. Larson and Harold A. Wahlstrand, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 12, 1935, Serial No. 1,456
12 Claims. (Cl. 242—55)



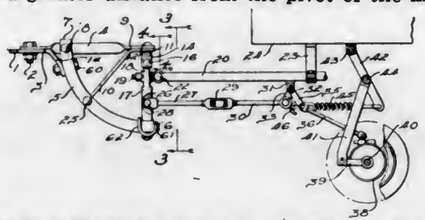
9. In a tape winding mechanism, a frictionally driven winding shaft, a gear loosely carried by said shaft, pawl and ratchet engagement between said shaft and said gear for permitting the independent rotation of said gear in one direction, and a stop member for arresting said shaft operable through the intermediate agency of said gear.

2,066,892
MANUFACTURE OF CITRIC ACID
Pietro Leone, Palermo, Italy, assignor to "Arenella" Societa Italiana per l'Industria dell' Acido Citrico ed Affini, Palermo, Italy
No Drawing. Application July 28, 1933, Serial No. 682,627. In Italy July 29, 1932
4 Claims. (Cl. 260—112)

1. The process for manufacturing citric acid from a starting liquid containing the same and impurities in both true and colloidal solutions, which process consists in adding a salt of a metal capable of forming an insoluble citrate up to a total quantity of said salt which is below the quantity required to reach the pH point corresponding to the coagulation and precipitation point of the impurities present, filtering the citrate so obtained and decomposing the same with an acid.

2,066,893
TRAILER HITCH AND BRAKE
John V. Linsowe, Flint, Mich.
Application November 23, 1935, Serial No. 51,216
5 Claims. (Cl. 188—142)

1. In a trailer hitch and brake, a member having an arcuate U shaped guide, a king bolt pivoted on the said member and swingable to a limited extent in said arcuate guide, a trailer having a pair of trailer wheels and brakes therefor, a tongue on the trailer connected to the king bolt, a brake actuating rod connected to the king bolt at a greater distance from the pivot of the king



bolt than the trailer tongue connection, the brake actuating mechanism being operated upon forward swinging movement of the king bolt and means resisting forward movement of the brake actuating rod and means for increasing the resistance in proportion to the load on the trailer.

2,066,894
RELAY
Oran T. McIlvaine, St. Charles, Ill., assignor to McIlvaine Patent Corporation, St. Charles, Ill., a corporation of Delaware
Application May 28, 1934, Serial No. 727,872
11 Claims. (Cl. 200—87)

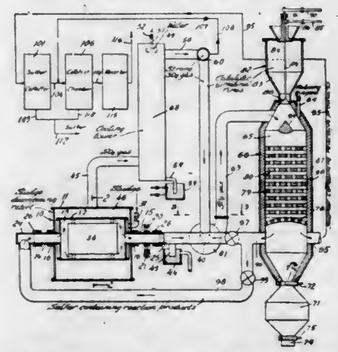
1. In a relay, in combination: a glass support having spaced depressions therein; mercury globules in said depressions and protruding above the rims thereof; lead wires in electrical contact with said globules; a conducting blade; an evacuated bulb enclosing said blade and globules; and means for moving said blade into and out of contact with said globules in a direction at a right angle to a line passing through both globules.

2,066,895
WATER-SOLUBLE SEED DISINFECTANT
Karl Memminger, Magdeburg-Sudost, Germany, assignor to Fahlberg-List Aktiengesellschaft Chemische Fabriken, Magdeburg-Sudost, Germany, a firm of Germany
No Drawing. Application January 19, 1934, Serial No. 707,340. In Germany March 31, 1932
4 Claims. (Cl. 167—38)

3. A non-decomposing seed disinfectant comprising a water soluble initially dry mixture of an insoluble phenol mercuricyanide with an alkaline substance in the form of trialkaliphosphate rendering said insoluble phenol mercuricyanide soluble in water.

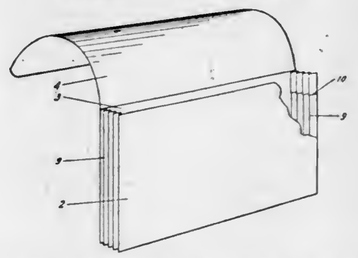
4. A seed disinfectant according to claim 3, wherein the initial mixture includes a solution promoter in the form of alkali-para-toluenesulphonate.

2,066,896
REDUCTION OF SULPHUR DIOXIDE
Henry F. Merriam, West Orange, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application December 31, 1934, Serial No. 759,866
11 Claims. (Cl. 23—226)



1. In the method of making reduction products of sulphur dioxide, the steps comprising effecting reduction of sulphur dioxide in an exothermic reducing reaction whereby heat is liberated, and utilizing liberated heat to effect production of sulphur dioxide in an endothermic reaction.

2,066,897
METHOD OF MAKING A REENFORCED GUSSET
Oscar J. Olm, Minneapolis, Minn., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application April 9, 1934, Serial No. 719,623
1 Claim. (Cl. 129—16.7)

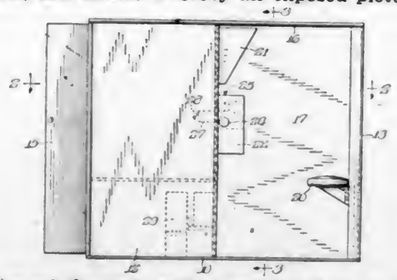


The method of forming a gusset for file folders and similar articles which includes the steps of superimposing two strips of material, gluing said strips together to form a laminated strip, folding the laminated strip along a transverse line to form a body portion and an end portion, gluing said end portion to the body portion, and then fluting the laminated strip.

2,066,898
PHOTOGRAPHIC BOOTH AND CAMERA ARRANGEMENT
Thomas I. Palfreeman, Memphis, Tenn.
Application January 30, 1936, Serial No. 61,447
4 Claims. (Cl. 95—90)

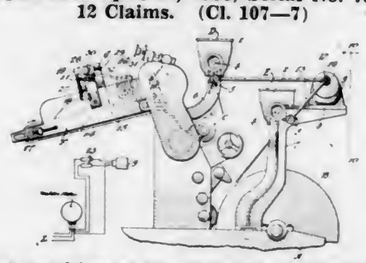
1. In a photographic booth, the combination of a posing room and a dark room, a wall separating said rooms, a camera within said posing room and fixed against said wall, said wall and camera having an opening, operating means for

the camera arranged wholly within the posing room, and means whereby an exposed picture is



delivered through said opening and is available only from the inside of the dark room.

2,066,899
DOUGH-PIECE CONTROLLED FLOUR DUSTING MECHANISM
Edward T. Parsons, Upper Montclair, N. J., assignor to Thomson Machine Company, Belleville, N. J., a corporation of New Jersey
Application April 10, 1936, Serial No. 73,677
12 Claims. (Cl. 107—7)



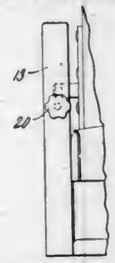
1. A machine of the character described comprising means for causing movement of a piece of material to be operated upon along a predetermined path, electrically operated means for supplying material at a predetermined point in said path for further treatment of said piece, an electric switch for controlling said electrically operated means, and an actuator for said switch including an element yieldingly disposed in the path of movement of said piece to hold said switch normally open and to be momentarily engaged by said piece for momentarily closing said switch as said piece passes said actuator.

2,066,900
ANTENNA
Klaas Posthumus and Balthasar van der Pol, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Original application September 21, 1933, Serial No. 690,355, now Patent No. 2,031,065, dated February 18, 1936. Divided and this application September 12, 1935, Serial No. 40,204. In the Netherlands September 19, 1928
5 Claims. (Cl. 250—11)



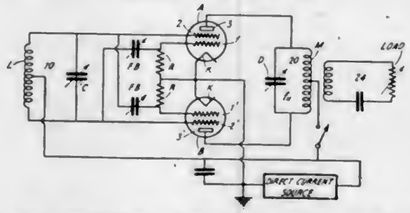
1. A directive antenna system comprising a two wire transmission line, the wires of said line being parallel to each other, parallel radiators connected to each of said wires and all located substantially in a single plane, the radiators connected to one wire of said transmission line being located substantially intermediate the radiators connected to the other wire of said transmission line, said radiators being located between the wires of said transmission line.

2,066,901
RATCHET RECLINER SEAT-BACK MECHANISM
Clarence E. Preble, Gardner, Mass., assignor to Heywood-Wakefield Company, Boston, Mass., a corporation of Massachusetts
Application January 11, 1934, Serial No. 706,213
3 Claims. (Cl. 155—163)



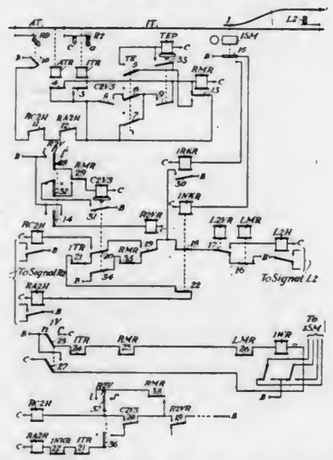
2. A car seat having a frame, a back rockable on said frame, and mechanism operable in opposite directions to rock said back forward and rearward, said mechanism being effective when actuated in one direction to rock said back positively forward and when actuated in the other direction to rock said back yieldingly rearward, said mechanism including telescoping relatively rotatable members, one of which is pivoted to said back and the other of which is pivoted to said frame.

2,066,902
METHOD OF AND MEANS FOR PRODUCING OSCILLATIONS
John L. Reinartz, Manchester, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application May 24, 1934, Serial No. 727,215
2 Claims. (Cl. 250—36)



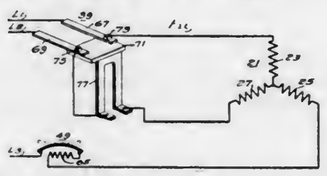
1. An oscillation generator of the push-pull type comprising a pair of electron discharge tubes each having a cathode, an anode, and at least two grid electrodes, including a control grid and a screen grid, a tank circuit interconnecting the two anodes, a second tank circuit interconnecting the screen grid electrodes, an input circuit for each tube disposed between the cathode and the control grid thereof, each said input circuit comprising means for maintaining a negative bias on said control grid with respect to the cathode of such value that less than 180° of each cycle of an applied excitation wave is available to render the tube conductive, two symmetrically disposed feed-back capacitors each intercoupling the control grid of one tube with the screen grid of the other tube, means including a direct current source for so polarizing said electrodes each with respect to the other as to activate said tubes, and means including two symmetrically disposed capacitors each intercoupling the screen grid of one tube with the anode of the other tube for neutralizing the inter-electrode capacitances of said tubes.

2,066,903
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Swissvale, and Henry S. Young, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 16, 1935, Serial No. 2,076
19 Claims. (Cl. 246—3)



1. In combination, a stretch of railway track including a track switch, a signal indicating proceed, slow speed or stop for governing the movement of traffic into said stretch, manually controllable means for governing the signal, locking means effective to prevent operation of the switch for a selected time interval after the signal is manually caused to indicate stop provided there is a train approaching within a predetermined distance of the switch, a stick relay which becomes energized when said manually controllable means is operated to cause the signal to indicate slow speed, and means controlled by said stick relay when energized for shortening said selected time interval.

2,066,904
THERMAL PROTECTIVE SYSTEM
Meigs W. Bartmess, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 12, 1934, Serial No. 757,141
7 Claims. (Cl. 175—294)

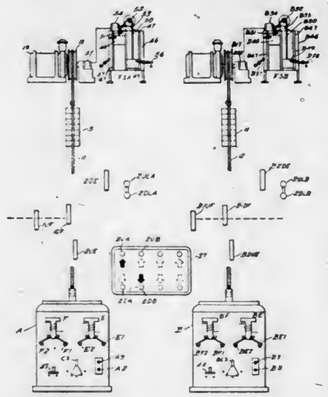


1. In combination with a polyphase electric motor comprising a stator and polyphase windings thereon, a switch thermally responsive to a part of said motor for controlling the energization of one of said windings, and a current-controlled switch dependent upon the opening operation of said first-named switch for controlling the energization of the other windings.

2,066,905
HALOGENATED METHYL ETHERS
Harold S. Booth, Cleveland Heights, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 23, 1935, Serial No. 12,740
10 Claims. (Cl. 260—151)

1. A halogenated methyl ether compound consisting of a methyl ether chlorinated to replace hydrogen and fluorinated to replace chlorine thereby producing a stable non-toxic compound which boils at a low temperature.

2,066,906
SIGNAL AND CONTROL SYSTEM FOR ELEVATORS
Edgar M. Bouton, Park Ridge, Ill., and William F. Eames, Edgewood, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1933, Serial No. 688,784
38 Claims. (Cl. 187—29)

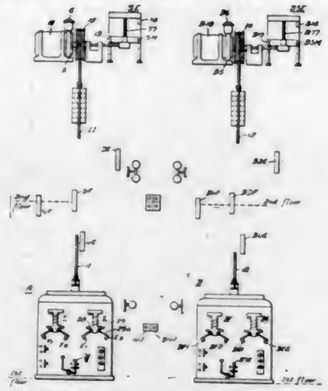


1. In an elevator system for operating a plurality of cars past a floor, a plurality of control devices at the floor, one for each car, means responsive to the operation of a control device for stopping the corresponding car at the floor, and means responsive to operation of the cars for indicating which control device should be operated to stop the nearest approaching car.

2,066,907
SIGNAL AND CONTROL SYSTEM FOR ELEVATORS
Edgar M. Bouton and Harold W. Williams, Chicago, Ill., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application July 10, 1934, Serial No. 734,498
Renewed September 24, 1935
25 Claims. (Cl. 187—29)

1. In an elevator system for operating a plurality of cars past a floor, a plurality of control

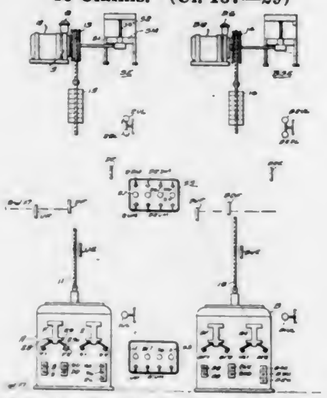
devices at the floor, one for each car, and means responsive to the position of the cars for moving one of the control devices into position for operation by waiting passengers.



2,066,908
ELEVATOR SYSTEM

Edgar M. Bouton and Harold W. Williams, Chicago, Ill., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application August 30, 1934, Serial No. 742,112
Renewed July 31, 1936
46 Claims. (Cl. 187—29)



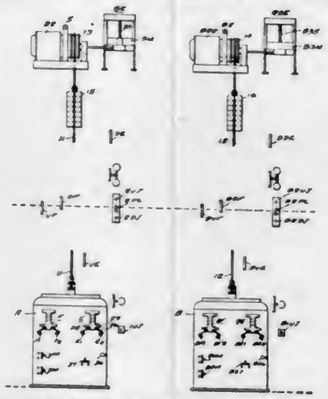
1. In an elevator system for operating a car past a plurality of floors, an up stop call registering means and a down stop call registering means for each floor, a control device at each floor, means responsive to conditioning of the car for an up trip for rendering the up registering means for each floor responsive to operation of the control device at that floor to register an up stop call, and means responsive to conditioning of the car for a down trip for rendering the down registering means for each floor responsive to operation of the control device at that floor to register a down stop call.

2,066,909
ELEVATOR SYSTEM

Edgar M. Bouton, Chicago, Ill., and William F. Eames, Pittsburgh, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application July 24, 1934, Serial No. 736,672
24 Claims. (Cl. 187—29)

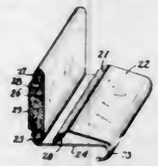
1. In an elevator system for operating a plurality of cars serving a floor provided with a hatchway door for each car, a signal device at each hatchway door for each car, and means responsive only to the relative positions of the cars at all times for operating continuously one of the signal devices to indicate the hatchway door at which the nearest approaching car will appear.



2,066,910
METAL WEATHER STRIP FOR STEEL CASEMENT WINDOWS AND DOORS

John Canales, Astoria, N. Y., assignor to Fred W. Kammerer, New York, N. Y.

Application February 1, 1936, Serial No. 61,878
8 Claims. (Cl. 189—65)



1. A metal weather strip for steel casement windows and doors, comprising a strip having a curled portion forming a resilient hem from which a sharply outwardly inclined portion continues, a shallow inwardly inclined portion continuing from said outwardly inclining portion, a double layer hook portion continuing from said inwardly inclining portion, a base portion continuing from said hook portion and extending beneath and in intimate contact with said resilient hem, a double layer hook continuing from said base portion and disposed outwardly at right angles thereto, a wall portion continuing from said latter-mentioned double layer hook and terminating in another double layer hook opposed to said latter mentioned hook, said latter two hooks being adapted to support a fastening member which in turn supports said metal weather strip.

2,066,911
MAGNETIC IRON ALLOY

Robert A. Curry, Chicago, Ill., assignor, by mesne assignments, to Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application March 29, 1935, Serial No. 13,670
3 Claims. (Cl. 75—123)

3. A magnetic iron alloy consisting essentially of from 15 to 25% nickel, 6 to 15% beryllium, 3 to 5% cobalt and the balance iron.

2,066,912
ELECTROLYTIC CONDENSER

Samuel Ruben, New Rochelle, N. Y.

Application July 7, 1934, Serial No. 734,134
7 Claims. (Cl. 175—315)

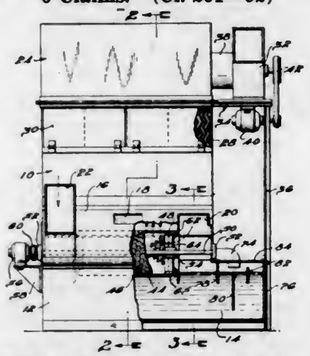


5. An electrolytic wound condenser having an electrode with a cover of fabric spirally wound around the electrode like a bandage in at least one layer and completely enclosing the electrode.

2,066,913
APPARATUS FOR REMOVING FOREIGN MATERIAL FROM AIR

John D. Schmieg, Detroit, Mich.

Application August 10, 1936, Serial No. 95,057
6 Claims. (Cl. 261—92)



1. Apparatus for removing foreign material such as paint, dust, or the like, from air laden with foreign material in suspension comprising a receptacle containing a bath of liquid, a rotatable hollow substantially cylindrical member mounted within said receptacle with its longitudinal axis substantially horizontal and with a portion thereof extending into said bath, said cylindrical member having openings therethrough, a conduit communicating with the interior of said receptacle and with the interior of said hollow cylindrical member, means for rotating said rotatable member to create a violently agitated free mass of liquid over the exposed portion of said cylindrical member and to throw the liquid to one side of said receptacle, an exhaust conduit communicating with said receptacle above said free mass of liquid, means for drawing said air laden with foreign material through said first-named conduit through the openings in said cylindrical member and through said violently agitated free mass of liquid to remove the foreign material from the air, whereby said foreign material is carried with said mass of liquid to said one side of said receptacle, and a trough within said receptacle along said one side of said receptacle for receiving said mass of liquid and said foreign material and carrying it outside of said receptacle.

2,066,914
BELT BUCKLE OR SLIDE

Leonard W. Staples, Kansas City, Mo., assignor to The H. D. Lee Mercantile Co., Kansas City, Mo., a corporation of Kansas

Application June 26, 1936. Serial No. 87,374
6 Claims. (Cl. 24—163)

2. A belt buckle having a clamping bar of water-proof compressible resilient material capable of distortion by reactive strain imposed by a belt.

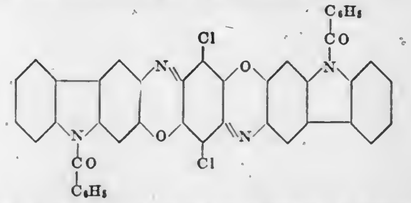


2,066,915
DIOXAZINE DYESTUFFS AND A PROCESS OF PREPARING THEM

Karl Thiess and Fritz Maennchen, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 23, 1933, Serial No. 653,173. In Germany January 27, 1932
7 Claims. (Cl. 260—28)

6. The compound of the formula:



being a crystalline product showing a greenish glittering luster on its surface, dissolving in concentrated sulfuric acid with a blue color and forming, when subjected to a sulfonation process, a water-soluble dyestuff which dyes cotton beautiful blue-violet shades of good fastness to light.

2,066,916
WHEEL STOP DEVICE FOR AUTOMOBILE LIFTS

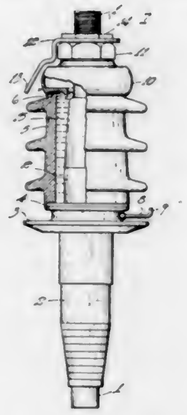
Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Machinery & Supply Company, Des Moines, Iowa, a corporation of Iowa

Application July 19, 1934, Serial No. 736,066
2 Claims. (Cl. 254—89)



2. The combination with an automobile lift having runways, of vertical guide devices on opposite sides of one end of one of said runways; a wheel stop slidingly mounted in said guide devices; a bell crank lever device pivotally mounted beneath said runway; means for operatively connecting one end of said bell crank lever to said stop device; a link having one end pivotally connected to the other arm of said bell crank lever; a rock shaft having a downwardly inclined arm fixed to one end adapted to be actuated by engagement with an object during a downward movement of the lift to rock said shaft; a crank arm secured to the other end; means for pivotally connecting one end of said link to said crank arm; means for limiting the movement of said crank arm in one direction so that as the crank arm passes a dead center during its movement to position for raising the wheel stop, the wheel stop will be locked in its elevated position.

2,066,917
BUSHING
Fred J. Vogel, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1934, Serial No. 725,092
8 Claims. (Cl. 173—318)



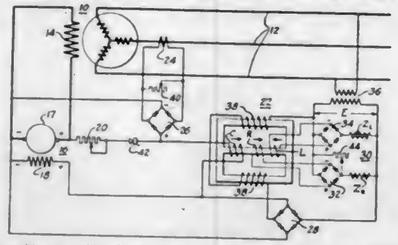
1. In an insulating device, two conducting elements shaped to provide non-uniform potential gradients over the surfaces thereof, and insulating means separating said elements, said elements being arranged so that the maximum gradient point of each of said surfaces lies in a line of electrostatic force which terminates at a region of low potential gradient at the other of said surfaces.

2,066,918
LIGHT-SENSITIVE MATERIAL AND A PROCESS OF PRODUCING PICTURES
Gottlieb von Poser and Robert Franke, Wiesbaden, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany, a corporation of Germany
No Drawing. Application September 13, 1932, Serial No. 633,016. In Germany September 21, 1931
14 Claims. (Cl. 95—6)

8. A process of preparing positive pictures from a negative design, which comprises exposing to light under the design a light-sensitive material sensitized by means of a mixture of silver nitrate and 1-diazo-4-aminobenzene, subjecting the picture thus obtained to the action of a substance of alkaline action and then to a fixing process.

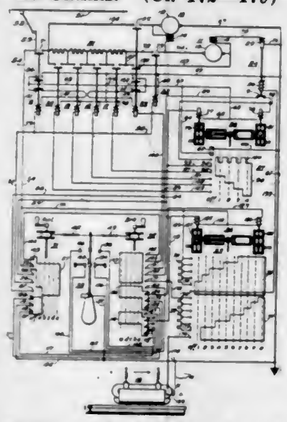
2,066,919
REGULATING SYSTEM
Charles P. West, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 15, 1935, Serial No. 45,029
12 Claims. (Cl. 171—119)

1. In a regulating system for a dynamo-electric machine having an excitation-determining winding, the combination of a circuit for supplying to said winding an energizing current determined by the machine loading, a second circuit for supplying further current to the winding, a current-adjusting reactor included in said second circuit, said reactor having a core-saturating winding, and means for energizing said



saturating winding by a measure of the current supplied through the circuit first named.

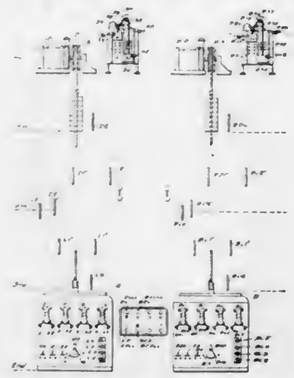
2,066,920
CONTROL SYSTEM
Norman H. Willby, Irwin, Frank B. Powers and John P. Shamberger, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 31, 1935, Serial No. 38,744
11 Claims. (Cl. 172—179)



1. In a motor control system, in combination, an electric motor for propelling a vehicle, manually-operable means for controlling the motor connections, means for controlling the acceleration of the motor, means actuated in accordance with the amount of motor current for controlling the operation of the acceleration-controlling means, means responsive to the rate of acceleration of the vehicle for governing the operation of the current-responsive means, and means adjusted by said manually-operable means for governing the operation of the last-named means to vary the rate of acceleration of the vehicle.

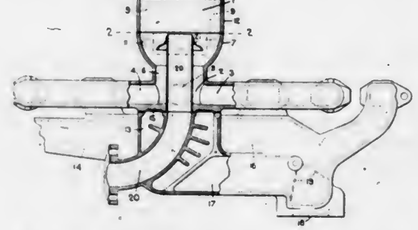
2,066,921
ELEVATOR CONTROL SYSTEM
Harold W. Williams, Charles F. Carney, and Richard W. Jones, Chicago, Ill., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application January 31, 1935, Serial No. 4,282
27 Claims. (Cl. 187—29)

1. A system for operating a plurality of elevator cars past a floor comprising a passenger operated control for said floor individual to each of said cars for registering calls for the corresponding car; transfer means; and means responsive to an operation of said transfer means to transfer a call registered for one of said cars to another of said cars, said last named means



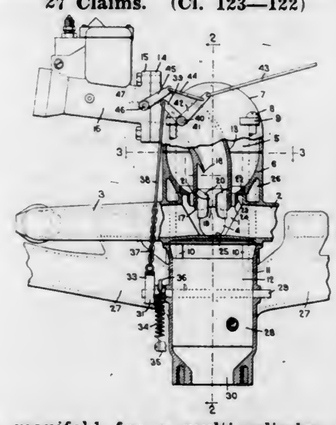
being effective regardless of the position of said cars with respect to said floors at the time said transfer means is operated.

2,066,922
MANIFOLD FOR MULTICYLINDER INTERNAL COMBUSTION ENGINES
Merl R. Wolfard, Cambridge, Mass., assignor to Hopewell Brothers, Watertown, Mass., a copartnership composed of Charles F. Hopewell and Helen C. Hopewell
Application March 7, 1935, Serial No. 9,787
15 Claims. (Cl. 123—52)



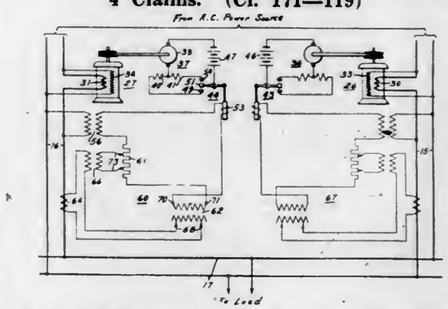
1. An inlet manifold for an internal combustion engine comprising a mixture-receiving chamber having an upper energy-dissipating section provided with a lower circular section of smaller volume presenting a smooth inner surface to avoid the presence of projections or recesses tending to create disturbing eddies in the flow of fuel-air mixture, conduits leading from the lower portion of said circular section to the cylinders of the engine, means for supplying a properly proportioned fuel-air mixture to said energy-dissipating section including a delivery tube having a smooth outside wall extending upwardly through said circular section, the cross sectional area of the annulus between the delivery tube, near the level of the upper wall of said conduits, and the wall of said circular section being more than one and one-half and less than four times the cross sectional area of the delivery tube, and a baffle surrounding the delivery tube near its discharge end presenting downwardly inclined upper and lower surfaces whereby liquid fuel will flow freely therefrom.

2,066,923
MANIFOLD SYSTEM FOR MULTICYLINDER INTERNAL COMBUSTION ENGINES
Merl R. Wolfard, Cambridge, Mass., assignor to Hopewell Brothers, Watertown, Mass., a copartnership composed of Charles F. Hopewell and Helen C. Hopewell
Application March 7, 1935, Serial No. 9,788
27 Claims. (Cl. 123—122)



1. A manifold for a multi-cylinder internal combustion engine comprising a distributing section, conduits leading from the periphery of the distributing section to the cylinders of the engine, means for supplying a properly proportioned fuel-air mixture to said distributing section including means for discharging portions of the fuel-air mixture into the distributing section at different levels operable while the quantity of the mixture entering a conduit is increasing during the accelerating portion of an induction stroke, to produce co-acting currents which will cause concentration of liquid fuel particles within the mixture in the middle portion of the entrance to said conduit.

2,066,924
REGULATOR CONTROL SYSTEM
Edward R. Wolfert, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application September 22, 1931, Serial No. 564,299
4 Claims. (Cl. 171—119)



1. In an electrical system, a distribution circuit, a source of alternating current, a plurality of feeder circuits connecting said distributing circuit and said source, a voltage-regulating means connected in each of said feeder circuits, a voltage-responsive means associated with each regulating means and adapted to control the operation thereof, and load-compensating means

connected in circuit with each voltage-responsive means for modifying the action of said responsive means, each of said compensating means comprising an inductive element acted upon by the current which flows in the feeder circuit with which that means is associated, each of said inductive elements being disposed to give the associated voltage-regulating means a drooping characteristic with respect to the wattless component of the said feeder-circuit current which acts thereon.

2,066,925

PROCESS FOR REMOVING ACID COMPONENTS FROM HYDROCARBON DISTILLATES

David Louis Yabroff, Oakland, and John Wilkinson Givens, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 9, 1936, Serial No. 99,964

9 Claims. (Cl. 196—32)

1. In the process of separating acid-reacting substances contained in a hydrocarbon type liquid by treating with an alkaline-reacting substance, the improvement comprising subjecting said liquid to a treatment with a solution of a ternary sulfonium base under conditions to absorb at least a portion of said acid-reacting substances in said solution and to form two layers, one comprising said solution of sulfonium base containing acid-reacting substances and the other consisting of the treated organic liquid, and separating the layers.

2,066,926

MAGNETIC IRON ALLOY

Robert A. Curry, Chicago, Ill., assignor, by mesne assignments, to Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application April 20, 1936, Serial No. 75,422

5 Claims. (Cl. 75—123)

1. A quaternary alloy having as its essential ingredients the following analysis, percentages by weight being indicated:

Nickel	15 to 25%
Beryllium	0.25 to 2%
Cobalt	1 to 10%
Low carbon iron	Balance

2,066,927

DRILLING APPARATUS

John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application January 28, 1935, Serial No. 3,789

28 Claims. (Cl. 121—9)



1. In a drilling apparatus, the combination with a stationary support having a tube slidable therein, of a motor slidably guided on said tube, a power actuated piston longitudinally movable within said tube, and means for transmitting the movement of said piston to said motor and tube in a manner causing the rate of speed of said motor to be faster than that of said tube.

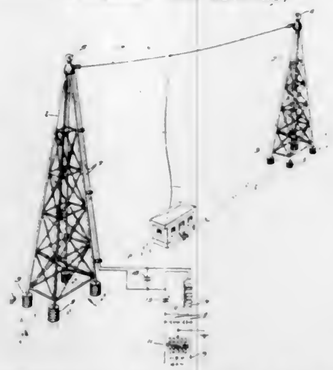
2,066,928

NETWORK FOR TOWER LIGHTS

Robert L. Davis, Grand Rapids, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 12, 1934, Serial No. 757,143

1 Claim. (Cl. 250—33)



In combination, an antenna tower, an electrical indicating device mounted on said tower, means comprising an electrical circuit for supplying energy of a lower order of frequency than radio frequency to said indicating device, said circuit including a transformer, a coil included in each of the wires of said circuit on the secondary side of said transformer, said coils being closely coupled and connected together at one end of each coil by a condenser of low impedance to radio frequencies, a condenser shunting one of said coils, said coil and shunting condenser being of such value as to constitute a tuned circuit resonant at a desired radio frequency, and means for symmetrically grounding said power circuit at radio frequencies.

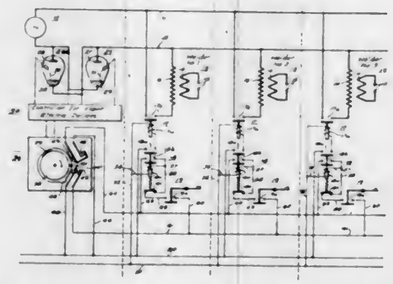
2,066,929

WELDING APPARATUS

John W. Dawson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 27, 1934, Serial No. 750,299

7 Claims. (Cl. 219—4)



5. A resistance welding system comprising, in combination, a plurality of resistance welding devices, a power circuit for connecting said welding devices to a current source, means interposed in said power circuit for controlling the flow of current to all of said welding devices simultaneously to permit current to intermittently flow thereto, means individual to each welding device for connecting it to said power

circuit, and means for preventing the operation of said last named means while current is being supplied to perform a welding operation.

2,066,930

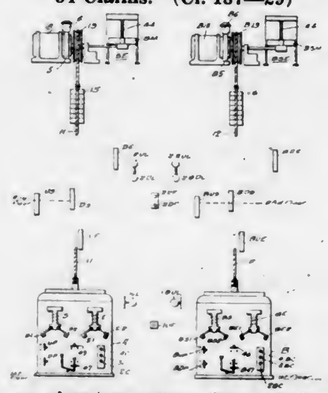
ELEVATOR

William F. Eames, Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application November 29, 1933, Serial No. 700,257

Renewed May 2, 1936

34 Claims. (Cl. 187—29)



1. In an elevator system for operating a plurality of cars past a floor, a signal device for each car at the floor, a control device at the floor common to all the cars, and means responsive to operation of the control device for immediately operating only the signal device corresponding to the nearest approaching car and for stopping a car upon its arrival at the floor.

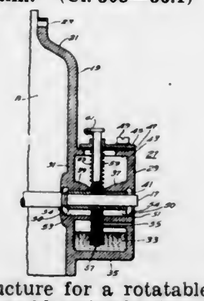
2,066,931

BEARING

Harry D. Else, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 23, 1934, Serial No. 712,494

1 Claim. (Cl. 308—36.1)



A bearing structure for a rotatable shaft, including a chambered housing having walls spaced apart axially of a shaft and having an opening in each wall, said openings being axially aligned with each other, annular flanges secured to the spaced walls at the openings therein and extending axially toward and to within a short distance from the central lateral plane of the bearing housing, and an oil drain-back hole in each flange breaking out through the inner end face of the flange, one of said flanges also having an overflow hole extending from an inner end face through said flange and the adjacent wall.

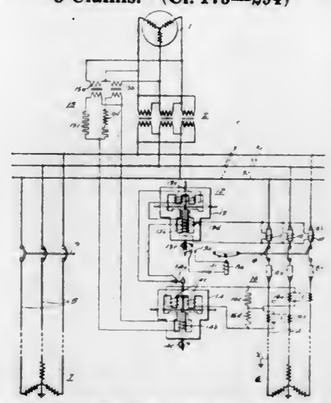
2,066,932

DIRECTIONAL GROUND RELAY

Robert D. Evans, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 28, 1933, Serial No. 704,310

8 Claims. (Cl. 175—294)



1. In an alternating current system of transmission and distribution having a first polyphase power circuit and a second polyphase power circuit connected by power transformer apparatus, said transformer apparatus having polyphase windings connected to pass positive sequence power components and prevent the passage of zero sequence power components, ground fault protective means for said first circuit including a directional element having potential coil means energized in accordance with potential of sequence other than zero derived from said second circuit and current coil means energized in accordance with current of said sequence other than zero derived from one of said power circuits.

2,066,933

PROCESS FOR TREATING SLUDGES

Earle W. Gard, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application October 20, 1930, Serial No. 490,108

20 Claims. (Cl. 196—148)

1. A process of acid treating oil and removing the acid from the acid reaction products which comprises commingling acid and oil to form acid sludge, separating the acid sludge from the oil, cooling the acid sludge during separation, subsequently hydrolyzing the acid sludge and maintaining the sludge at a low temperature from the time of its formation to the hydrolyzing treatment to produce an oil on hydrolysis having a viscosity less than the viscosity of the oil which would be produced without said cooling.

2,066,934

REGULATING SYSTEM

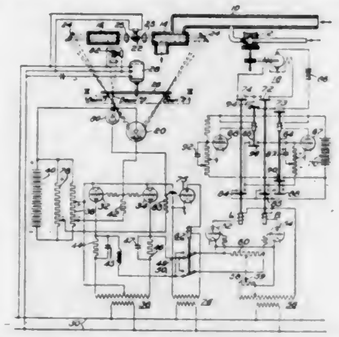
Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 12, 1934, Serial No. 757,239

4 Claims. (Cl. 250—41.5)

1. A regulating system comprising a source of light, a photo tube, means for directing upon the

tube from said source a beam of light through a treated fluid and a second beam through a standard sample, a bridge circuit comprising a pair of electronic tubes, and alternating-current voltage means adapted to impress thereon positive potentials during different half cycles, means for causing said photo-tube to control the conductivity of said electronic tubes, means operating synchronously with the tube energizing voltages for alternately interrupting said two light beams, means controlled by the bridge-circuit output for adjusting a characteristic of the treated fluid, and means responsive to an opposing phase relation between said light beam interruptions and said tube energizing voltages for reversing said bridge output connections.

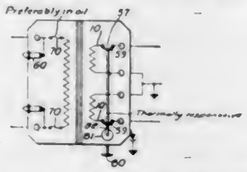


2,066,935

SURGE AND OUTAGEPROOF DISTRIBUTION TRANSFORMER

John K. Hodnette, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 9, 1933, Serial No. 688,803
31 Claims. (Cl. 175—294)



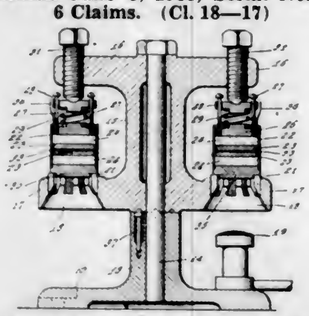
1. In an electrical transformer comprising insulated high-voltage windings, insulated low voltage windings, a conducting casing, insulating high-voltage and low-voltage bushings, one or more high-voltage leads connected to said high-voltage windings and passing out of the casing through said high-voltage bushings, at least one of said high-voltage leads being exposed to excess-voltage surges, one or more low-voltage leads connected to said low-voltage windings and passing out of the casing through said low-voltage bushings; the combination, with said transformer, of excess-voltage means associated, at least with said exposed high-voltage lead, for providing an excess-voltage discharge from said lead in response to a predetermined voltage-increase over normal, said excess-voltage means also inherently operating, in response to a subsequent reduction in voltage, to substantially cut off said discharge promptly upon the return of normal voltage-conditions on said lead; and said excess-voltage means being of such capacity as to provide a discharge-path for surge-currents of such magnitude and duration that their fuse-rupturing ability is in excess of the fuse-rupturing ability of the currents produced in said protected lead upon the occurrence of a short-circuit on the low-voltage leads of said transformer; and means, in at least one of the low-voltage leads of the transformer, for automatically open-circuiting said lead in response to a short-circuit thereon, and for automatically open-circuiting said lead also in response to high-internal-temperature conditions which are only slightly lower than a burn-out-producing condition of said transformer; said high-voltage leads including a fusible link not traversed by said surge discharges and having a capacity suitable for affording protection only against the possibility of an internal fault in the primary winding, said fusible link having sufficient electrical resistance to cause it to be electrically heated to a fusing temperature which is materially in excess of the temperature of the ambient medium surrounding the link, upon the occurrence of excessive current-flow of predetermined magnitude.

2,066,936

DEVICE FOR CEMENTING OPTICAL LENSES

Harold A. Jahraus, Richmond, Ind., assignor of one-half to Sidney S. Miller, Indianapolis, Ind.

Application June 8, 1935, Serial No. 25,693
6 Claims. (Cl. 18—17)



1. A device of the type described, comprising a base, a turret rotatably supported from said base on a vertical axis, a heating element mounted on said base at a point displaced from the turret-axis, said turret being provided with an annular series of openings positioned to be brought successively over said heating element as the turret is rotated, removable cups adapted to be supported from said turret above the respective openings, each of said openings being provided with grooves permitting hot gases passing upwardly through said opening to escape and pass further upwardly along the sides of the associated cup, and means carried by said turret for applying pressure to material in each of said cups.

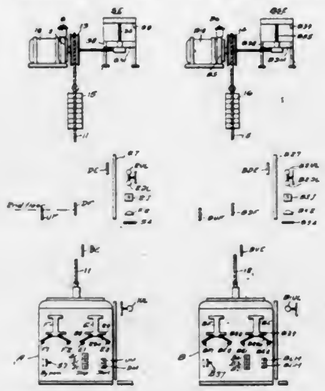
2,066,937

ELEVATOR SIGNAL AND CONTROL SYSTEM

Henry D. James, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 24, 1934, Serial No. 741,213
16 Claims. (Cl. 177—336)

1. In an elevator system for operating a car past a plurality of hatchway doors, a signal device for each door, and means responsive to the approach of the car to within a predetermined distance of each door for energizing the signal device at that door and for deenergizing the signal device when the car passes the point beyond which it cannot be decelerated to a stop at that floor.

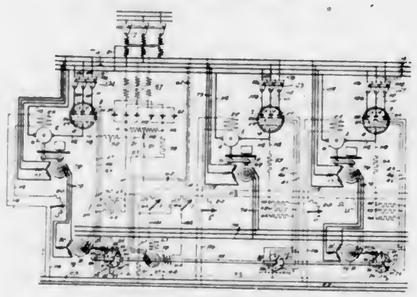


2,066,938

UNIFORM SPEED SYSTEM

Erwin Janetschke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 3, 1934, Serial No. 713,841
In Germany March 6, 1933
2 Claims. (Cl. 172—293)



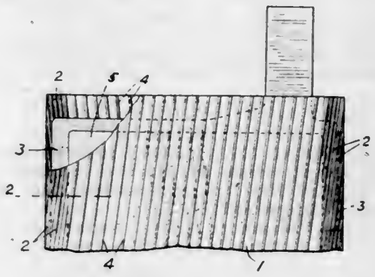
2. In a regulator system wherein a plurality of motors are required to operate in a predetermined speed relationship, a master speed reference motor and a motor to be regulated with respect thereto, an alternating current power circuit and grid controlled electronic discharge devices connected thereto for supplying direct current power to said motors, control means actuated in synchronism with the frequency of said alternating current circuit for effecting the ignition of said discharge devices, means for varying the timing of ignition of the discharge device supplying power to said regulated motor in accordance with its variation from its desired speed, and a synchronous motor energized from the same circuit as the anodes of said electronic discharge device for actuating said control means characterized in that the relative position of the rotor and the rotating field of the synchronous motor is adjustable for the purpose of varying the fundamental speed of the system.

2,066,939

SEPARATOR AND SPACER FOR STORAGE BATTERY PLATES

William Ernest Kershaw, Gwynedd Valley, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application July 25, 1933, Serial No. 682,052
1 Claim. (Cl. 136—143)



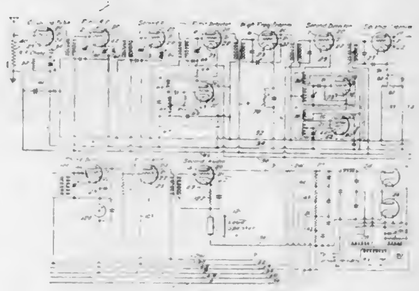
An imperforate separator and spacer for storage battery plates consisting of a sheet of flexible porous material lying substantially in one flat plane and having inclined facial ribs projecting from that plane and whereof some are comparatively widely spaced and extend entirely across the sheet and whereof others are relatively short and are located intermediate those first mentioned and are confined to the opposite side margins of the sheet where they overlie the frame of the plate, all of said ribs being arranged in parallel relation.

2,066,940

RADIO RECEIVING SYSTEM

Winfield R. Koch, Camden, N. J., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Original application May 27, 1929, Serial No. 366,357. Divided and this application October 6, 1933, Serial No. 692,451
3 Claims. (Cl. 250—8)



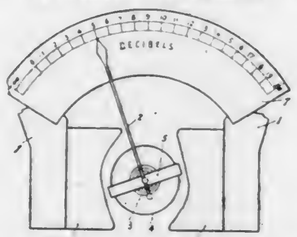
1. In a system of the radio type, an oscillation generator comprising an electron discharge device and associated frequency determining circuit, a second oscillation generator, a common source of anode voltage for said oscillation generators, and means independent of the frequency determining circuit of said first oscillator for coupling said second oscillation generator to said first oscillation generator, said means being interposed between said source of anode voltage and the cathode of said first oscillation generator in modulating relationship therewith.

2,066,941
INSECTICIDE AND PROCESS FOR MAKING THE SAME
Louis N. Markwood, Washington, D. C.; dedicated to the free use of the Public
No Drawing. Application July 9, 1935, Serial No. 30,536
6 Claims. (Cl. 167—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. An insecticidal composition comprising the product of the reaction between nicotine and humic acid.

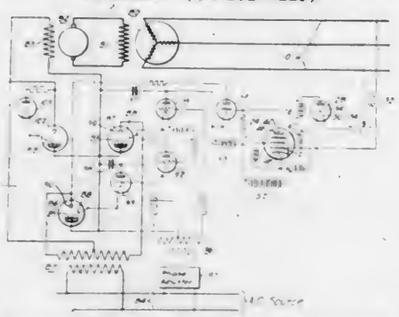
3. The water-soluble product of the reaction between nicotine and peat.

2,066,942
ELECTRICAL MEASURING INSTRUMENT
Ernest Alfred Massa, Jr., Haddon Heights, N. J., assignor of fifty-five per cent to Frank Massa, West Collingswood, N. J.
Application November 2, 1934, Serial No. 751,134
10 Claims. (Cl. 171—95)



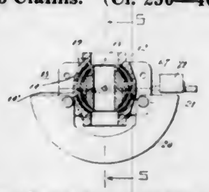
9. In an electric meter, a pointer connected to a current carrying coil which is mounted so that it may move in an air gap, the air gap so constructed that the total flux acting on the meter coil increases as the coil moves in from either end of its extreme positions, said air gap construction resulting in uniform increments of motion for equal percentage increases in the meter coil current, and a scale over which the pointer rides which has equally spaced divisions over the larger portion of its range, each division representing the same decibel increase in the meter current.

2,066,943
REGULATING SYSTEM
La Verne R. Philpott, Washington, D. C., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1935, Serial No. 34,011
4 Claims. (Cl. 171—119)



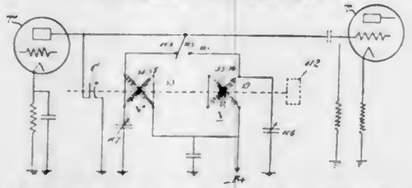
1. In a system for regulating the voltage of a dynamo-electric machine, the combination of a circuit for supplying exciting current to the machine, a rectifier tube for adjusting the magnitude of said current, means, comprising a two-element tube having a filamentary cathode energized by a measure of the machine voltage, for supplying a control potential determined by said voltage, a triode electronic tube rendered conductive or non-conductive by changes in said potential, and means controlled by said triode tube for rendering said rectifier tube fully conductive or fully non-conductive, regulation being effected through variation in the ratio of the conductive to non-conductive periods of said rectifier tube.

2,066,944
TUNING UNIT
John P. Putnam, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application September 22, 1934, Serial No. 745,097
13 Claims. (Cl. 250—40)



1. A tuning element comprising in combination, an inductor, a rotatable frame enclosing and supporting the same, a condenser having a rotor and a stator, means directly attaching the condenser-rotor to said frame in a manner to partially shield said inductor from extraneous electrical forces and means electrically connecting said inductor and condenser.

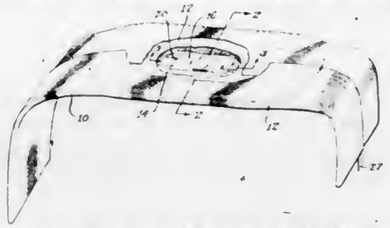
2,066,945
TUNING UNIT
John P. Putnam, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application July 5, 1935, Serial No. 29,866
14 Claims. (Cl. 250—40)



1. A tuning unit comprising in combination, two variable inductors of unequal maximum inductance, a variable capacitor, circuit changing means for connecting said capacitor in closed circuit with either of said inductors at will, and means connecting the capacitor and the inductors for simultaneous variation of the capacity of said capacitor and the inductances of said inductors.

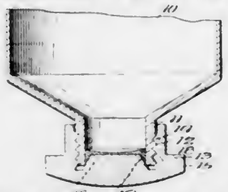
2,066,946
DEODORIZING AND STERILIZING BANDAGE
Clarence K. Reiman, Newton, Mass.
Application March 8, 1934, Serial No. 714,589
3 Claims. (Cl. 167—84)

1. A catamenial bandage comprising a body of absorbent material encased in a textile cover, said bandage containing a concealed flexible envelope which is substantially non-absorbent, inert chemically and moisture- and gas-proof, and a small quantity of calcium hypochlorite sealed within said envelope, and adapted to liberate



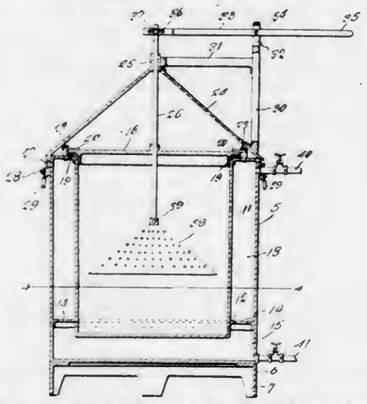
free chlorine upon interaction with the components of the atmosphere when the seal of the envelope is broken and while remaining substantially dry.

2,066,947
COLLAPSIBLE TUBE
Frederic Remington, Elizabeth, and Lambert Sigfred Linderoth, Jr., Newark, N. J., assignors to Peerless Tube Company, Bloomfield, N. J., a corporation of New Jersey
Application May 16, 1935, Serial No. 21,870
13 Claims. (Cl. 221—60)



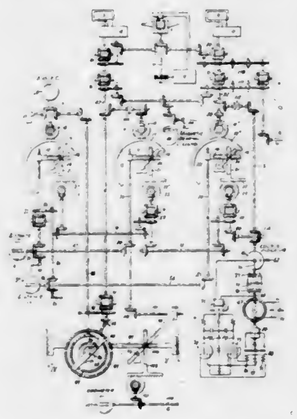
1. A collapsible tube having a neck provided with a bore for dispensing contents packaged in said tube, a detachable closure associated with said neck and closing said bore, and hermetic sealing means for pre-sealing said neck and closure and automatically rupturable upon initial removal of said closure, said sealing means comprising a thin film of material adhesively bonded to the inner face of said closure and the walls of said bore and non-solvent in the contents packaged in said tube.

2,066,948
LIQUID DISPENSER AND COOLER
José Sierra Rosado, San Juan, P. R.
Application February 14, 1936, Serial No. 63,960
3 Claims. (Cl. 225—21)



1. A dispensing device of the character described comprising a shell, an inside receptacle detachably supported in the shell, discharge means communicating with said receptacle, means for spacing the receptacle from the shell, a cover for the receptacle, a detachable dome for the shell and positioned over said cover, a plunger in the receptacle, a rod extending from the plunger through the cover and through the dome and means on the dome whereby the rod and plunger can be reciprocated.

2,066,949
CRAFT NAVIGATING APPARATUS
Albert L. Ruiz, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 16, 1936, Serial No. 80,099
11 Claims. (Cl. 73—151)

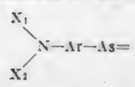


1. In a system for steering a craft on a straight course employing reference points A and B located laterally of said course on a line making an angle C with the course and at distances m and n respectively therefrom measured on said line, the direction of the points A and B from the craft making angles M and L respectively with the course, a first, a second, and a third mechanism all of similar construction and each including a plurality of slides at right angles to each other, a rotatable arm and means for causing the slides and the arm to intercept at a common point, means for moving corresponding slides of the respective mechanisms distances proportional to the sum of distances m and n, distance m, and distance n, means for rotating the arms of the respective mechanisms through angles equal to the angle C, the angle M and the angle L and means for summing up the resulting movements of the other slides of the mechanisms.

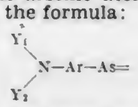
2,066,950
TRIVALENT POLYMETALLO ARYL COMPOUNDS AND THE PROCESS OF MAKING THEM
Hans Schmidt, Wuppertal-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 11, 1933, Serial No. 670,559. In Germany May 14, 1932
18 Claims. (Cl. 260—15)

1. Organo-metal compounds, wherein a metal which is selected from the group consisting of arsenic, antimony and bismuth and which is not directly linked to a carbon atom is attached with

m valencies to the arsenic atom of at least one aromatic arseno radical of the formula:



wherein Ar stands for an aromatic radical of the benzene series, X_1 stands for an aliphatic group substituted by at least one hydroxy group, and X_2 stands for hydrogen or for an aliphatic group as defined for X_1, and in which organo-metal compounds the said metal is further attached with n valencies to the arsenic atom of an aromatic arseno radical of the formula:

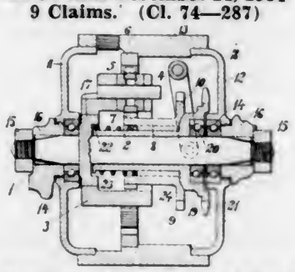


wherein Ar has the same meaning as defined above, Y_1 stands for hydrogen or a substituent as defined for X_1, and Y_2 stands for an $NaO_3S—CH_2—$ or $NaO_2S—CH_2—$ group, and wherein m and n are whole numbers the sum of which is 3, which organo-metal compounds are yellow to brownish black substances and dissolve in water to neutral solutions which are suitable for intravenous injection.

2,066,951
HYDROQUINONE MANUFACTURE
Joseph Schumacher, Peru, Ill., assignor to Carus Chemical Company, a corporation of Illinois
No Drawing. Application May 9, 1936, Serial No. 78,921
9 Claims. (Cl. 260—154)

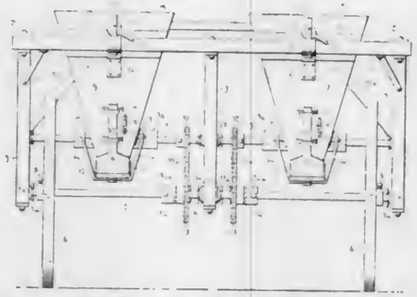
1. The process which comprises reducing a compound of the class consisting of quinone and quinhydrone in a substantially neutral aqueous solution to its corresponding hydroquinone in the presence of metallic zinc particles.

2,066,952
CHANGE SPEED GEAR
Hilding Valdemar Törnebohm, Gothenburg, Sweden, assignor to Thor Hjalmar Ahlgren, Gothenburg, Sweden
Application May 20, 1935, Serial No. 22,449
In Sweden December 14, 1934
9 Claims. (Cl. 74—287)



1. A change speed gear comprising a driving shaft, a hollow driven shaft surrounding said driving shaft, a planet wheel carrier on said driving shaft, planet wheels in said carrier, an outer ring having internal teeth and a central gear wheel, both of said two latter toothed elements being in mesh with said planet wheels and one of them being stationary and the other rotatable, a sleeve axially displaceable but not rotatable on said hollow driven shaft, a coupling member and the said rotatable toothed element on said sleeve, coupling means in operative connection with said driving shaft, and means for axially displacing said sleeve for bringing said rotatable toothed element out of engagement with said planet wheels and for bringing said coupling member into engagement with said coupling means.

2,066,953
FERTILIZER DISTRIBUTOR
Jesse Thomas Urquhart, Southampton County, Va.
Application November 29, 1933, Serial No. 700,328
Renewed July 2, 1935
7 Claims. (Cl. 275—2)

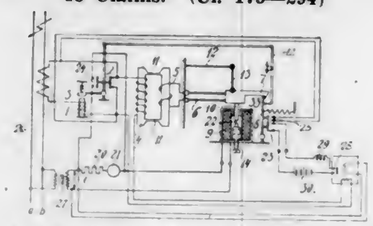


3. In a fertilizer distributor, the combination of a frame; a plurality of hoppers slidably mounted in said frame; a shaker-pan suspended under each hopper; a plurality of frame supports upon which said frame is mounted; a driven shaft mounted in journals carried by said supports; a plurality of vibrators mounted on said shaft and adapted to vibrate said pans when the hoppers are in any of their adjusted positions, and the shaft is rotated; and means adapted to rotate said shaft.

2,066,954
C-NITROTETRAZOLE COMPOUNDS
Edmund von Herz, Cologne-Dellbruck, Germany
No Drawing. Application July 8, 1932, Serial No. 621,523. In Germany July 10, 1931
10 Claims. (Cl. 260—11)

1. In the process of preparing C-nitrotetrazole, the step which comprises treating diazotetrazole in dilute aqueous solution with excess nitrous acid in the presence of a water-soluble copper salt in accordance with the method of Sandmeyer.

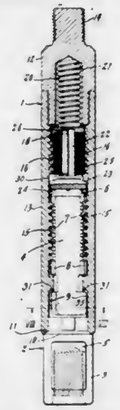
2,066,955
DISTANCE RELAY FOR THE PROTECTION OF ELECTRIC PLANTS
Rolf Wideröe, Vinderen, near Oslo, Norway
Application May 2, 1934, Serial No. 723,571
In Norway May 9, 1933
18 Claims. (Cl. 175—294)



1. A distance impedance time relay for protecting an alternating current electric circuit in

case of shortcircuiting, comprising a thermal element arranged for creating, when heated, a mechanical force increasing with the time, means dependent on the current in said circuit and causing in case of shortcircuiting a heating of the thermal element, means dependent on the voltage of said circuit and causing an instantaneously acting force counteracting the force produced by the thermal element, and releasing means arranged to cause, when actuated, the release of a current interrupter for said circuit and being under influence of the said two forces so as to be actuated only when the influence of the force produced by the thermal element predominates that of the voltage-dependent force.

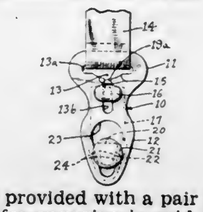
2,066,956
AUTOMATIC COUPLING
Glynn H. Williams, Huntington Park, Calif., assignor to Axelson Manufacturing Co., Los Angeles, Calif., a corporation of California
Application May 9, 1936, Serial No. 78,835
10 Claims. (Cl. 287—103)



1. In a coupling of the type described, a sleeve member and a pin member insertable into the sleeve member, cooperating shoulders on said members so dimensioned and oriented as to permit entry of the pin member into the sleeve member when the members are in one position of relative orientation and to lock the members together when the pin member is rotated in one direction with respect to the sleeve member after entry thereinto, spring means on one of said members for rotating said pin member in said one direction with respect to said sleeve member to engage said shoulders and control means for normally restraining said spring means, said control means being releasable in response to entry of said pin member into said sleeve member whereby said spring member is automatically released to relatively rotate said members into locking position following entry of said pin member into the sleeve member.

2,066,957
GARTER GRIP
Joseph Wratschko, New Britain, Conn., assignor of one-half to Mortimer H. Camp, New Britain, Conn.
Application September 9, 1935, Serial No. 39,683
14 Claims. (Cl. 24—247)

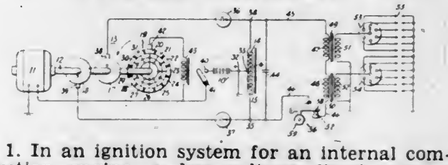
1. In a garter grip, a flat base pad having a T-shaped slot provided near its upper end, and an oval slot provided near its lower end, a slidable flexible button member behind said pad and having a flat base provided with a pair of upstanding headed necks for engaging in said slots.



2,066,958
SEALING COMPOSITION
Henry Lowe Brownback, Norristown, Pa.
No Drawing. Application May 13, 1933, Serial No. 670,998. In France August 6, 1932
6 Claims. (Cl. 106—8)

1. An insoluble non-oxidizing composition for use in sealing, and coating metal surfaces, comprising boiled castor oil having a grease-like consistency, a filler, and a non-drier.

2,066,959
HIGH TENSION IGNITION SYSTEM
Bernard M. Cain, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application April 25, 1936, Serial No. 76,425
4 Claims. (Cl. 123—148)



1. In an ignition system for an internal combustion engine, a low voltage direct current source, a reactor connected at its midpoint to the positive terminal of said source, means for conducting current from said source at high frequency alternately through opposite sections of said reactor, said means including a rotating commutator, a motor supplied with current from said source to drive said commutator, two rectifiers connected respectively between terminals of said sections of said reactor and alternate segments of said commutator, and a brush sufficiently wide to make contact simultaneously with two contiguous segments of said commutator, a commutating condenser in parallel with said reactor of sufficient capacity to prevent the breaking of a large current flow at said commutator as said brush breaks contact with a given segment, a high tension ignition transformer, and an ignition interrupter to connect said transformer to said reactor for a predetermined period during each firing period of said engine, whereby a plurality of sparks are supplied to said engine during each of said predetermined periods.

2,066,960
WIRING SYSTEM AND FITTING THEREFOR
Henry A. Cook, Stratford, Conn., and Louis F. Kummel, Chicago, Ill., assignors to General Electric Company, a corporation of New York
Application November 6, 1934, Serial No. 751,700
3 Claims. (Cl. 247—15)

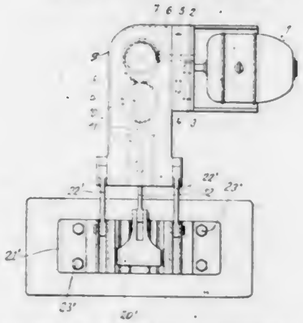
1. A duct fitting having side openings and end openings, converging side walls, and a deflector

located on the center line of said end openings and between said side openings to prevent a wire from passing from one side opening to the other and cooperating with said converging side walls



to direct it out of one of said end openings, said deflector being of such width as to permit a wire to pass on either side from one end opening directly through and out of the other end opening.

2,066,961
DRIVING MECHANISM FOR SHAKING CONVEYERS AND THE LIKE
Hans Cremer, Bochum, Germany, assignor to Gebrueder Eickhoff, Maschinenfabrik und Eisengiesserei, Bochum, Germany
Application December 6, 1934, Serial No. 756,322
In Germany October 6, 1934
19 Claims. (Cl. 198—220)



19. A drive for a shaking conveyer comprising a driving gear for producing a reciprocatory conveying motion, a casing, said gear being secured to said casing and enclosed thereby, means for securing said casing comprising a support for said conveyer fixedly secured to the ground and elements connecting said casing to said support, means for coupling said gear to said conveyer so as to transmit the conveying motion to said conveyer, said coupling means being arranged intermediate said connecting elements, said connecting elements being arranged relative to each other and to said coupling means so that the forces exerted by said connecting elements and coupling means on said casting are in equilibrium.

2,066,962
SHAFT FOR GOLF CLUBS OR THE LIKE
Lloyd Cross, Delanco, N. J.
Application April 16, 1934, Serial No. 720,787
4 Claims. (Cl. 273—80)

1. A sporting implement such as a golf club or the like comprising an elongated metal shaft and an offset ball-impacting head attached to one end of the shaft, said shaft having an enlarged handle end opposite the ball-impacting head, and said shaft being hollow for the major portion of its length including its handle end and being of solid



metal construction for a substantial distance adjacent the ball-impacting head.

2,066,963
BOX AND BOX BLANK
Jesse T. Curtis, Cleveland, Ohio
Application August 29, 1934, Serial No. 741,941
7 Claims. (Cl. 229—37)



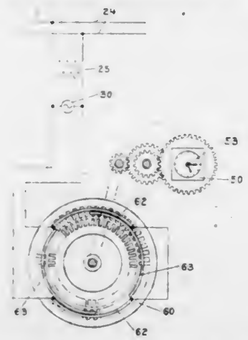
1. A box comprising a body formed of a plurality of longitudinal sections, end flaps extending from one end of alternate sections of said body and bent to extend outwardly of the body to provide a support for the same on a base, and a cover flap for closing an end of the body extending from an adjacent end of another one of said body sections.

2,066,964
PROCESS OF MAKING TILE STRUCTURES
Gaston Désagnat, Paris, France
Application November 12, 1934, Serial No. 752,742
In France November 21, 1933
1 Claim. (Cl. 25—151)



A process for the manufacture of a flexible covering for walls and the like, composed of small separated moulded plates made of plastic material, and secured on a flexible substratum of suitable fabric, consisting in introducing the plastic material in a mould divided into a plurality of cavities, the shape of which corresponds to that of the small plates to be moulded, in filling up this mould with said material a little above its edges, in causing a rectilinear scraper to slide on the edges of the mould for removing the excess of plastic material, in applying and pressing on the scraped surface of the plastic material a flexible fabric so that it rests on the edges of the mould and of the cavities of said mould and that the material enters the meshes of said fabric, and in removing, after the material has hardened, the substratum with the plates adhering thereto.

2,066,965
VERNIER MOTOR
Oscar H. Dicke, Rochester, N. Y.
Original application May 23, 1929, Serial No. 365,584. Divided and this application March 7, 1934, Serial No. 714,379
18 Claims. (Cl. 172—275)



5. A vernier motor comprising magnetizable toothed stator and rotor members, and means for producing a rotating magnetic field therein, characterized by the tooth pitches of the stator and rotor members being different, and corresponding to total tooth numbers T_s and T_r for the stator and rotor, such that $360°/T_s$ and $360°/T_r$ are the stator and rotor tooth-pitches, in degrees, and $T_s - T_r = \pm np$, exactly, where p is the number of poles of the rotating field, and n is any small integer except zero, the actual numbers of stator and rotor teeth being both at least several times said difference $\pm(T_s - T_r)$.

2,066,966
MANUFACTURE OF LIGHT SENSITIVE MATERIALS
Walter Dieterle and Walter Zeh, Dessau in Anhalt, and Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application February 4, 1932, Serial No. 590,940
In Germany February 7, 1931
9 Claims. (Cl. 95—7)

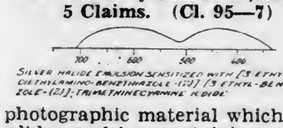


1. A photographic material which comprises a silver halide emulsion containing a trimethinecyanine dye selected from the group consisting of benzthiazole trimethinecyanine salts and benzselenazole trimethinecyanine salts symmetrically substituted in the benzene nuclei by a radical selected from the group consisting of amino groups, dialkylamino groups and acylamino groups.

2,066,967
DYES OF THE CYANINE SERIES
Walter Dieterle and Walter Zeh, Dessau in Anhalt, and Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application March 10, 1933, Serial No. 660,286. In Germany February 7, 1931
4 Claims. (Cl. 260—44)

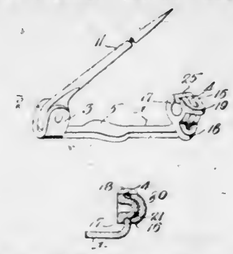
1. A carbocyanine salt containing in its molecule two equal amino substituted nuclei selected from the group consisting of the benzo thiazole nucleus and the benzo selenazole nucleus linked together by a trimethenyl chain linking the nuclei in 2 and 2' position.

2,066,968
MANUFACTURE OF LIGHT-SENSITIVE MATERIALS
Walter Dieterle and Walter Zeh, Dessau in Anhalt, and Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application March 10, 1933, Serial No. 660,287
In Germany March 27, 1931
5 Claims. (Cl. 95—7)



1. A photographic material which comprises a silver halide emulsion containing a trimethinecyanine salt which is unsymmetrical when the salt-forming anion is disregarded and which contains an amino group in at least one of the nuclei.

2,066,969
SAFETY CATCH FOR PINS AND METHOD OF MAKING THE SAME
Frank E. Farnham, Providence, R. I.
Application February 1, 1935, Serial No. 4,535
21 Claims. (Cl. 29—160.6)

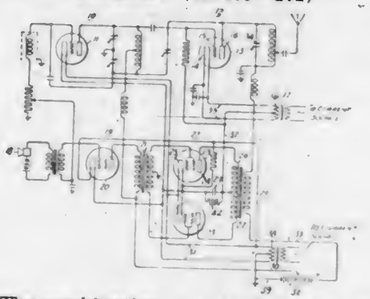


4. An article of the class described comprising a bar member having adjacent to one end an integral outstanding lug provided with an opening and a slot leading therefrom, said lug constituting a post adapted to receive the tongue of a pin, and a pair of ears integrally joined to each other and disposed on opposite sides of said post, one of said ears having a recessed portion which registers with said opening and the other ear having a stud snugly fitting within said opening and extending into said recess and providing a pintle which supports said ears for pivotal movement about said post, the inner ear having a radial slot which registers with the slot in said post when said ears are swung into position to receive the tongue of the pin.

15. Method of making a bar pin having a safety catch, which comprises forming an opening in

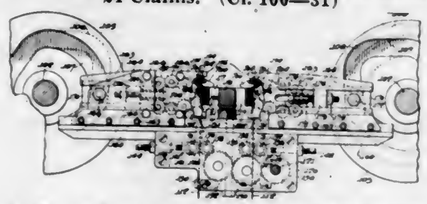
one end of the bar, bending said end outwardly substantially at right angles to the body portion of said bar to provide a post adapted to receive the tongue of a pin, forming a stud on one of a pair of ears integrally joined to each other by an intermediate yoke, bending said yoke about said post so that the ears are disposed one on each side of said post and said stud projects into said opening and provides a pintle which supports the ears for pivotal movement about said post, and cutting a slot part way through said ears and post and radially of the pivotal axis of said ears to a depth including said axis.

2,066,970
CONTROLLED CARRIER WAVE SYSTEM FOR SIGNALING
George W. Fyler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 4, 1934, Serial No. 746,812
9 Claims. (Cl. 179—171)



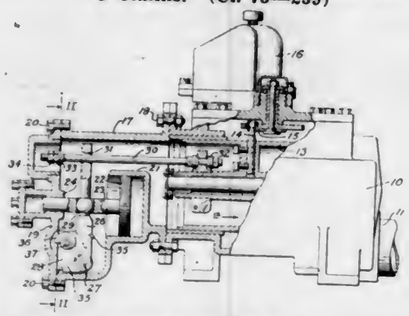
8. The combination, in a carrier wave modulation system, of a pair of electron discharge devices, means to transmit the carrier wave to be modulated through one of said devices, the other of said devices having an output circuit including the primary of a coupling transformer, means to vary the impedance of said other of said devices in accordance with signal currents, and means including the secondary of said transformer to connect the space paths of said devices in series, thereby to modulate said carrier wave in accordance with the amplitude and frequency of said signal currents and to vary the intensity of said carrier wave in accordance with the envelope of said signal currents.

2,066,971
MACHINE FOR BUNDLING STACKS OF RINGS
Henry Gora, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey
Application March 27, 1933, Serial No. 663,042
24 Claims. (Cl. 100—31)



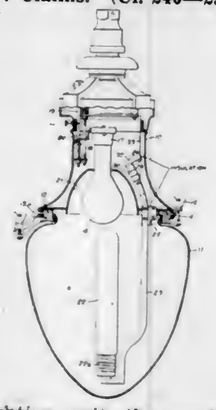
1. A machine for bundling stacks of superposed rings comprising a holder for a stack, means for feeding strip binding material parallel to the axis of a stack of rings to positions adjacent opposite sides of the stack, means for compressing the rings in a direction parallel to their axes, and means disposed on opposite sides of the stack for respectively bending the binding material around the ends of the stack while the latter is subjected to the compressing means.

2,066,972
THERMOSTATIC COMPENSATING DEVICE FOR FLUID METERS
Albert J. Granberg, Berkeley, Calif.
Application August 2, 1933, Serial No. 683,317
3 Claims. (Cl. 73—239)



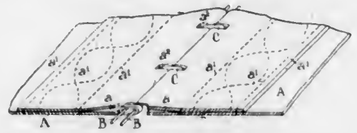
1. In combination with a fluid meter comprising a reciprocable metering piston and adapted to be connected with a supply line and a discharge line, a chamber adjacent the meter and in communication with the meter, a cylinder in said chamber communicating with the discharge line, an auxiliary piston in said cylinder resilient means normally holding the auxiliary piston withdrawn, means connecting the auxiliary piston with the metering piston whereby the auxiliary piston will be advanced upon each reciprocal stroke of the metering piston to inject fluid into the discharge line, and temperature responsive means for varying the stroke of the auxiliary piston to compensate for variations in temperature of the fluid.

2,066,973
LIGHTING UNIT
Cromwell A. B. Halvorson, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application September 27, 1934, Serial No. 745,735
7 Claims. (Cl. 240—25)



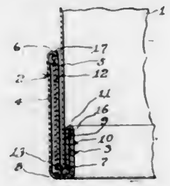
7. In a lighting unit, the combination of a casing, a diffusing globe adjacent and attached thereto, a main source of light comprising an electric discharge lamp mounted substantially within and in the center of said globe, a secondary source of light mounted wholly within said casing and above said discharge lamp and substantially invisible when both lamps are energized, and a reflector in said casing for projecting the light of said secondary lamp downwardly into said globe where the light flux of the complementary light source is confined to and intermingled with the flux of the discharge lamp which is projected through the diffusing globe below said lighting unit.

2,066,974
PAPER MAKER'S DRIER FELT
Thomas Hindle and Sam Lord, Blackburn, England
Application September 23, 1935, Serial No. 41,794
In Great Britain September 27, 1934
2 Claims. (Cl. 24—33)



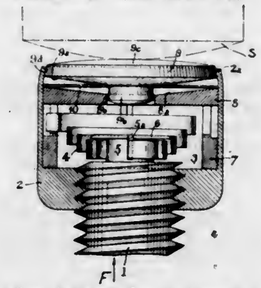
1. A paper maker's drier felt formed from a single length of material constructed with a loop at each end of said length formed by doubling the felt over on itself, a plurality of slots running longitudinally of the felt formed in the edge of each loop at intervals across its width the slots in one loop coinciding in position with those in the other loop, a separated rod of relatively small diameter inserted in each loop and flat links of less thickness than the looped end of the felt surrounding the two rods and connecting them together at the points where they are exposed through the slots thereby forming a seam joining the two ends of the felt in which the links are raised above the lower surface of the felt.

2,066,975
CUFF OF TROUSERS
George F. Holdren, Philipsburg, Pa.
Application March 23, 1936, Serial No. 70,507
3 Claims. (Cl. 2—232)



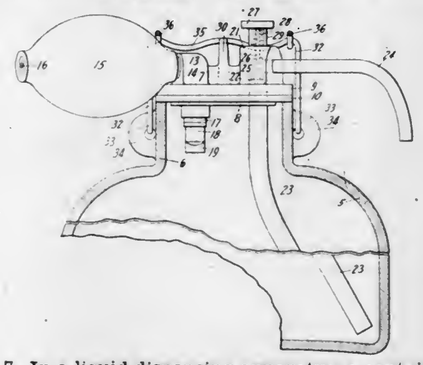
3. A trousers leg having a cuff at the bottom thereof, said cuff comprising an upwardly extending fold, a downwardly extending fold and a second upwardly extending fold coinciding with the first mentioned fold disposing the free end portion of the cuff inside the trousers leg, a stiffening strip positioned against the material of the cuff between the first and second mentioned folds and attached to the said upwardly extending fold, the top edge of said downwardly extending fold supported on the top edge of said stiffening strip, the said downwardly extending fold being loose from the stiffening strip.

2,066,976
VALVE-ACTUATING PUSH-PIECE
Dan Campbell Holmes, Ville D'Avray, France
Application March 29, 1935, Serial No. 13,764
In France April 4, 1934
4 Claims. (Cl. 123—90)



1. In a valve tappet for internal combustion engines, the combination of a cup-shaped head, a concave conical bearing member with a central hole in this head, at least one flat lamination with a central hole arranged for resting on the external periphery of said bearing member, an abutting member with an inner conical face, arranged for resting on the internal edge of said lamination, a central spigot, integral with said abutting member and arranged for engaging the central hole of the lamination and of the bearing member, and means for retaining said abutting member in said cup-shaped head.

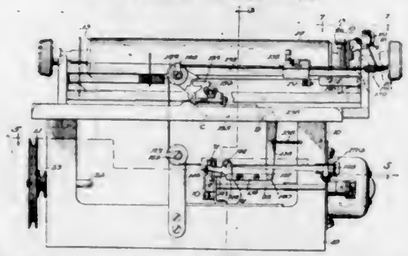
2,066,977
LIQUID DISPENSER
Lawrence E. Iler, Dayton, Ohio
Application April 27, 1935, Serial No. 18,678
8 Claims. (Cl. 225—22)



7. In a liquid dispensing apparatus, a container having at its upper end a neck forming a filling opening, a closure for said opening consisting of a plate arranged exteriorly of said neck and supported on the edge thereof and a sealing element interposed between said plate and said neck, two conduits extending through said plate and spaced laterally one from the other, an air pump carried by said plate and connected with one of said conduits, a check valve in said conduit, the other of said conduits comprising a tube extending from said plate into said container, and a spout supported exteriorly of said plate and connected with said tube to form an outlet passageway, said passageway having a restricted portion to cause an agitation of the liquid as it is discharged from said container, a normally closed valve interposed between said tube and said spout,

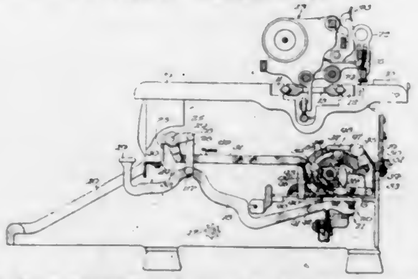
an actuating device supported on the outer side of said plate and connected with said valve, and a bail pivotally mounted on said container and adapted to act on said plate to secure the latter to said neck and maintain a normally sealed connection between said plate and said neck.

2,066,978
CARRIAGE RETURN
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application March 2, 1933, Serial No. 659,332
11 Claims. (Cl. 197—66)



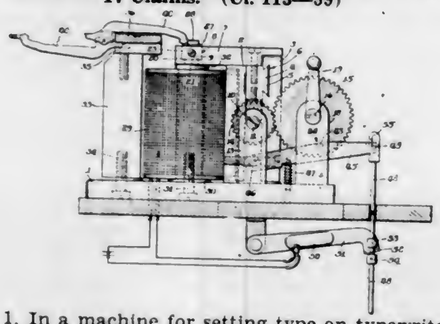
8. In an electric typewriter, a power drive shaft, a cam freely mounted on the shaft, a carriage return key lever, mechanism operated by the key lever upon depression thereof for locking the cam to the drive shaft during a predetermined increment of rotation of the shaft whereby to cause the cam to experience a predetermined increment of rotation, a clutch adapted to be driven from said shaft, means operated by the cam upon said increment of rotation for causing the clutch to be driven by said shaft, a carriage, a platen carried by the carriage, and a lever carried by the carriage and controlled by the clutch to line-space the platen and return the carriage.

2,066,979
TABULATOR MECHANISM
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application March 2, 1933, Serial No. 659,334
3 Claims. (Cl. 197—176)



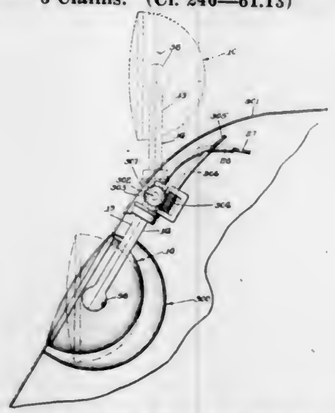
2. In a typewriter having a carriage, a power operated tabulator release system for the carriage comprising a tabulator key, a longitudinally shiftable motivating bar, means for adjusting the length of the bar, means connecting one end of the bar to said tabulator key whereby depression of said key serves to move the bar longitudinally, a pawl member connected to the other end of said bar, said pawl member having a pair of pawl projections, a power driven ratchet wheel, a cam freely mounted coaxially with said ratchet wheel, a second pawl member carried by the cam having a first portion adapted to engage the ratchet wheel whereby to cause the cam to move with the ratchet wheel and a second portion adapted during movement of the cam to engage and be controlled by the projections on said first mentioned pawl, a lever having a roller at one end thereof adapted to ride upon the surface of said cam, and tabulator mechanism for the carriage operated by said lever.

2,066,980
TYPESETTING MECHANISM FOR TYPEWRITERS
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application November 9, 1934, Serial No. 752,199
17 Claims. (Cl. 113—59)



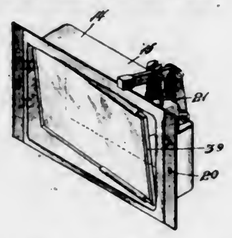
1. In a machine for setting type on typewriter type bars, the combination with a frame, a block slidable in said frame, said block having a recess therein, a matrix adjustably fastened in said recess, and micrometer control means for adjusting said matrix within said recess.

2,066,981
LAMP
James F. Koca, Woodstock, Ill., assignor to Richard W. Sears, II, Woodstock, Ill.
Application November 22, 1934, Serial No. 754,212
6 Claims. (Cl. 240—61.13)



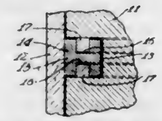
5. The combination with a vehicle having a body portion and a pocket in said body portion, a lamp having a lens and casing, adapted to be nested in said pocket, and when in said pocket forming a substantial continuation of the surface of the body portion, means for moving said lamp into and out of said pocket into operative position, said means comprising a horizontal bearing member mounted in proximity to the pocket, a lamp support carried by the bearing member for movement in a vertical plane to bring the lamp out of the pocket into operative position, a gear operatively connected to said lamp support, means including a second gear remotely operable and connected to said first gear for moving the lamp and its support into and out of said pocket, a second horizontal bearing member carried by said lamp support and pivotally supporting the lamp, and means to rotate said lamp on said second horizontal pivot so as to have the lens face forwardly.

2,066,982
REAR VISION MIRROR
David F. Kronquist, Seekonk, Mass., assignor of one-half to Ralph S. Bradley, Seekonk, Mass.
Application October 11, 1934, Serial No. 747,848
5 Claims. (Cl. 88—98)



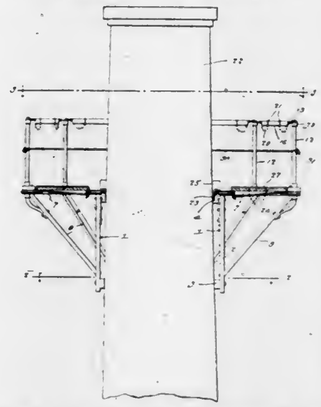
1. A rear vision mirror comprising, a box-like casing having top, bottom, two sides and a back wall, said top, bottom and side walls being provided with a flange arranged to extend over the surface of a framework for securing the casing thereto, a post swivelly mounted in the top wall of said casing and having a head portion disposed within the interior of the casing and an outer slotted end portion, a mirror in said casing pivotally mounted on the head portion of said post to swing on an axis at right angles to the axis thereof, a lever pivoted in the slot at the outer end of said post to turn the post, and link connections from said lever to said mirror and responsive to the pivotal movements of said lever to swing the mirror on its pivot on said post for adjusting said mirror substantially wholly within the casing.

2,066,983
PISTON RING
Michael Joseph Kwartz, Gary, Ind., assignor of one-half to Grace M. Trankla, Gary, Ind.
Application November 22, 1935, Serial No. 51,099
2 Claims. (Cl. 309—44)



2. A metal packing ring adapted to be inserted in a circumferential groove in a piston which is mounted for reciprocating movement within a cylinder, comprising a split main ring having an annular channel of rectangular cross section in a radial surface thereof, and a split insert ring mounted in said channel and having substantially the same cross-sectional dimensions as the channel, whereby oil will be collected between the inner radial surfaces of said insert ring and said channel to force said insert and main rings apart radially of said piston to insure firm engagement between said packing ring and the radial walls of said groove during reciprocation of said piston, said insert ring being made of a metal having a higher co-efficient of expansion than the metal composing said main ring to insure fluid-tight contact between said main ring and the inner wall of said cylinder.

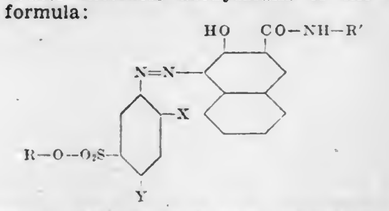
2,066,984
SCAFFOLD
Clyde K. Lamb, Cleveland, Ohio
Application October 11, 1934, Serial No. 747,941
Renewed August 18, 1936
3 Claims. (Cl. 304—13)



3. A guard rail including a pair of angle iron members slidably engaging one another, each of said members having an attaching leaf hinged to one end thereof, a triangular loop embracing said members for retaining the latter in telescoping relation, and flexible means connecting said loop with one of the angle iron members.

2,066,985
WATER-INSOLUBLE AZODYESTUFFS
Wilhelm Lamberz and Karl Bürr, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 7, 1934, Serial No. 710,194. In Germany February 28, 1933
6 Claims. (Cl. 260—95)

1. Water insoluble azodyestuffs of the general formula:

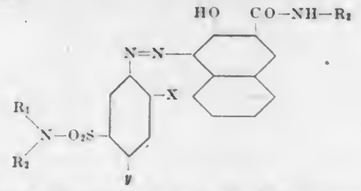


wherein R stands for an aryl radical and R' stands for a benzene nucleus containing as substituent at least an alkoxy group, X stands for a member of the group consisting of the methyl group, halogen and an alkoxy group and Y stands

for a member of the group consisting of hydrogen, the methyl group, halogen, and an alkoxy group, yielding, when produced on the fibre, generally orange to Bordeaux shades of good fastness properties.

2,066,986
WATER-INSOLUBLE AZODYESTUFFS
Wilhelm Lamberz, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 19, 1934, Serial No. 712,073. In Germany March 1, 1933
8 Claims. (Cl. 260—95)

1. Waterinsoluble azodyestuffs of the general formula:

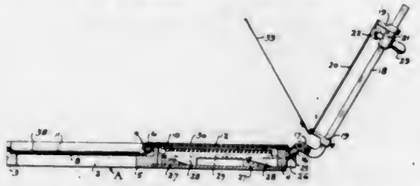


wherein R_1 stands for a radical of the group consisting of alkyl and aryl and R_2 stands for a radical of the group consisting of alkyl, aryl, aralkyl and cyclohexyl, or the group—



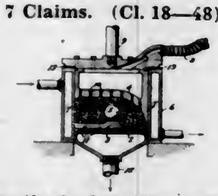
stands for the radical of a hydrogenated ring system containing nitrogen, R_3 stands for an aromatic nucleus containing as substituent at least an alkoxy group, and X and *y* stand for substituents selected from the group consisting of halogen, methyl, and alkoxy, yielding, when produced on the fibre, generally orange to Bordeaux shades of good fastness properties.

2,066,987
TRANSFER MACHINE
Herbert L. Landis, San Leandro, Calif.
Application January 14, 1936, Serial No. 59,057
12 Claims. (Cl. 101—131)



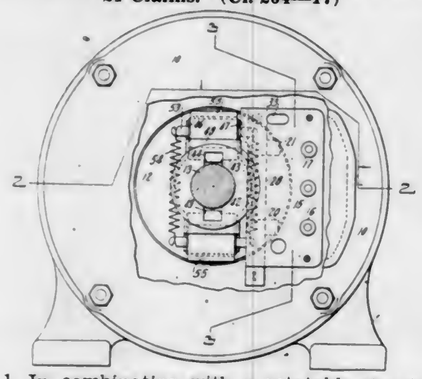
1. In a machine of the character described a main frame, means in the frame for supporting a master sheet containing written transferable matter, a transfer sheet to receive upon its surface the transferable written matter on the master sheet and for transferring said matter to a record sheet, a cover plate covering the transfer sheet, said plate having an opening formed therein, means for moving the transfer sheet to bring any line or portion of the written matter transferred thereto into alignment with the opening in the cover member, means for placing a record sheet on the cover member, and means for applying pressure to the transfer and the record sheet to transfer written matter on the transfer sheet to the record sheet.

2,066,988
METHOD OF MAKING CORK INSULATION
Louis R. Lee, Rohrerstown, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Original application November 9, 1931, Serial No. 573,834. Divided and this application April 6, 1935, Serial No. 15,043. In Spain October 31, 1932
7 Claims. (Cl. 18—48)



6. In the method of making cork articles, the steps consisting in charging a mould heated to substantially baking temperature with granulated cork; passing steam through said mould and between and around the cork granules in such volume and at such temperature that a substantial portion of the natural resins of the cork is removed from the cork granules; continuing the application of steam until the cork granules become soft; bonding the granules to one another under pressure into a mass exhibiting a close grain; and removing the mass from the mould prior to any material cooling thereof, the removal of the resins from the cork granules being sufficiently complete to substantially obviate any danger of ignition of the cork upon removal from the mould.

2,066,989
CENTRIFUGAL DEVICE
George H. Leland, Dayton, Ohio, assignor of one-half to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application September 24, 1934, Serial No. 745,302
21 Claims. (Cl. 264—17)



1. In combination with a rotatable structure, centrifugal mechanism comprising a member mounted for movement lengthwise of the axis of said structure, a plurality of substantially radial arms connected with said structure for rotation therewith, and having their outer portions turned inwardly and spaced from the inner portions thereof lengthwise of the axis of said structure to form guideways, a plurality of levers pivotally mounted on said movable member and having arms extending lengthwise of said axis, rollers carried by said arms and mounted in the respective guideways, and yieldable means for resisting the outward movement of said arms.

2,066,990
LADDER
Erik Wilhelm Ivan Lundström, Stockholm, Sweden
Application August 9, 1935, Serial No. 35,457
In Sweden February 15, 1933
2 Claims. (Cl. 228—58)



1. A ladder in which each side is made from two strips, each rectangular in cross section and having one face wider than the other, the two strips of each side being arranged with the narrow face of one strip opposed to the wide face of the other strip, rungs having their ends disposed between the strips forming said sides, and means securing the two strips of each side together at each rung, the strips of each side having a parallel arrangement for the full distance between the end rungs of the ladder.

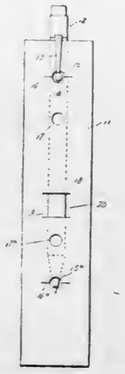
2,066,991
MANUFACTURING PAPER TUBES AND PIPES AND THE LIKE
Alfred Lutz, Bredereiche (Uckermark), Germany
Application August 20, 1931, Serial No. 558,396
In Germany January 10, 1930
7 Claims. (Cl. 93—81)



1. The method of producing tubes of flexible stratified thin material on a mandrel, comprising fabric and the like, which consists in winding such material upon itself in admixture with thermoplastic solidifiable adhesives to form manually adhering layers, heating the adhesive, and preventing chilling of the adhesive during the winding operation by holding the mandrel submerged into the hot liquid adhesive.

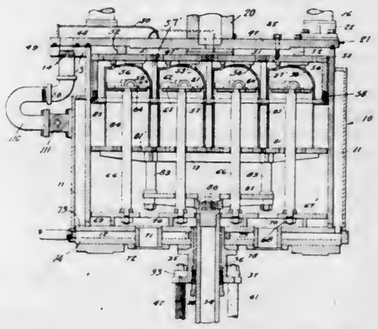
2,066,992
HOLDER FOR PENCILS AND THE LIKE
James C. Matson, Birmingham, Ala.
Application January 29, 1936, Serial No. 61,409
2 Claims. (Cl. 281—30)

1. In a book binder of the class described, a sheet of flexible material provided adjacent one end with an opening intersected by diametrically opposed slits, a second opening in alignment with said first named opening to accommodate the head of a pencil clip, a pair of longitudinally spaced parallel transverse slits arranged in longitudinal alignment with said openings and forming a retention strap, and a third opening also in



alignment with said first named openings and adapted to accommodate the point of the pencil in the manner and for the purposes described.

2,066,993
MOLDING APPARATUS
Arnold R. McCombs, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application November 9, 1931, Serial No. 573,832
12 Claims. (Cl. 18—17)

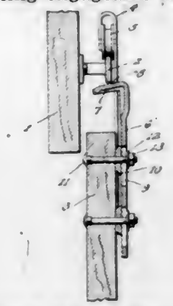


1. In an apparatus for molding cork, the combination of a housing, a stationary mold member therein, a filling compartment cooperating with said mold member and displaceable with respect thereto, a movable mold member and means for causing relative movement between said mold members and simultaneous displacement of said filling compartment.

2,066,994
ANTIJUMPER FOR SLIDING DOORS
Frank W. Moore, Lennon, Mich.
Application April 1, 1935, Serial No. 14,154
5 Claims. (Cl. 16—106)

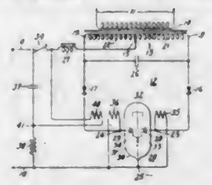
1. An anti-jumper for doors comprising a plate having a laterally extending downwardly inclined guard tongue thereon and being provided with longitudinal slots, and means adapted to be carried on a door and engageable through the slots for adjustably connecting the plate to the door,

said laterally extending downwardly inclined guard tongue being engageable with a track for



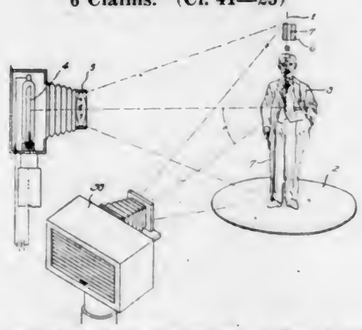
preventing derailing and outward shifting of the door.

2,066,995
PARALLEL INVERTER SYSTEM
Marvin M. Morack, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 12, 1936, Serial No. 68,479
5 Claims. (Cl. 175—365)



1. An electric system comprising a current source, an inductance element having a mid tap connected to said source, a pair of rectifiers connected to opposite outer terminals of said inductance, a mechanical switch means to cause current from said source to flow alternately through said rectifiers and the corresponding opposite portions of said inductance element and so arranged that connection to a given one of said terminals is made before connection to the other terminal is broken, a commutating capacitance means in parallel with said inductance, and a load circuit associated with said inductance.

2,066,996
PROCESS FOR MANUFACTURING STATUES SIMILAR TO OBJECTS
Isao Morioka, Meguro-ku, Tokyo, Japan
Application November 30, 1934, Serial No. 755,469
In Japan December 15, 1933
6 Claims. (Cl. 41—25)



1. A method of reproducing solid objects by photographic means, consisting in rotating the object about a vertical axis, projecting a narrow vertical beam of light radially upon said object towards the axis of rotation, the axis of projection of the light beam being directed horizontally at a constant acute angle to the horizontally directed axis of the photographic means whereby a series of foreshortened profiles of the object are obtained, and recording the position of the axis of rotation of the object relative to each profile, photographically converting the foreshortened profiles into undistorted profiles and making templets directly therefrom, and mounting such templets with the profiles outwardly directed in correct sequence radially relatively to the recorded axis of rotation, and filling in the spaces between such templets with plastic material.

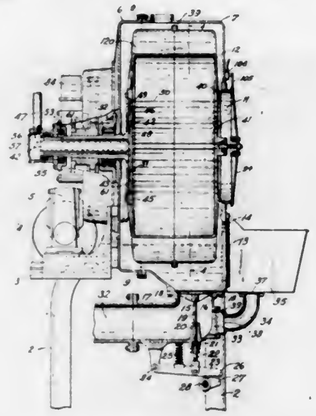
2,066,997
TAMPING IMPLEMENT
Ottilie Mueller, Wausau, Wis.
Application June 18, 1935, Serial No. 27,251
2 Claims. (Cl. 65—12)

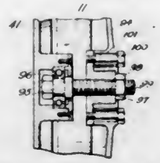


2. As a new article of manufacture and as a component part of a tamping implement of the class described, a tamping head including a body portion fashioned to permit it to be attached to an operating handle in a manner to be conveniently manipulated in a fruit jar or the like, the working end of said head being provided with a pair of spaced duplicate prongs and said prongs being generally rounded in cross-sectional form and longitudinally tapered to function as positioning, arranging and packing elements and the extremities thereof being of blunt formation.

2,066,998
WASHING AND RINSING APPARATUS
Henry F. Nash, East Cleveland, and John Zimarik, Akron, Ohio, assignors, by mesne assignments, to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application September 27, 1932, Serial No. 635,020
17 Claims. (Cl. 68—18)

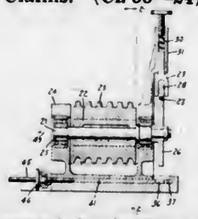
1. In a washing machine, a stationary casing having a central opening in one end thereof, a perforated washing drum within the casing having a central opening in an end adjacent the opening in the casing, a tubular horizontal shaft extending into the casing for rotatably supporting the drum therein and for directing liquid toward the last opening, and a closure carried by the casing for closing said openings, said closure including a hinged door for closing said casing opening, a shaft carried by said door, and a secondary imperforate door rotatable on said last named shaft for sealing said drum opening when said first door is closed against said casing opening.





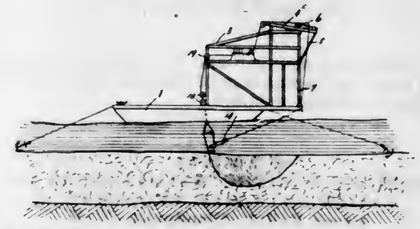
16. In a laundry machine, a stationary casing, a perforated clothes container mounted in the casing and movable about a horizontal axis, means for actuating the drum about its axis, the drum having means for carrying the clothes during the rotation thereof from the lower portion of the drum to the upper portion of the drum and dropping them to the lower portion, and means for projecting a fluid curtain across the container in a general direction parallel to the axis thereof in the form of a cylindrical curtain.

2,066,999
TESTING OF GEAR HOBS AND THE LIKE
Jakob Neufeld, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application May 22, 1935, Serial No. 22,908
In Germany May 30, 1934
3 Claims. (Cl. 88—24)



1. An arrangement for testing gear hobs and the like having a plurality of projections arranged to form a helix comprising a rotatable shaft for receiving such gear hob to be tested, a support for the shaft, means including a base plate holding the support and permitting movement thereof along the axis of the shaft, adjustable means for axially moving the support in response to rotation of the shaft comprising a bar held on the support, a wedge member engaging the bar and means for moving the wedge member in response to rotational movement of the shaft, a screen, and means for projecting the teeth of the gear hob onto the screen to coincide with a master formed on the screen whereby testing of a gear hob is accomplished during a single rotation of the hob.

2,067,000
DRAGLINE DREDGE
Edmund Osborne, Mission, British Columbia, Canada
Application August 22, 1935, Serial No. 37,388
In Canada November 5, 1934
4 Claims. (Cl. 37—71)

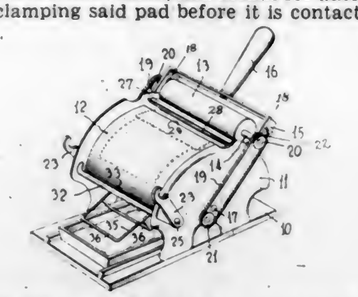


1. In a dragline dredge of the kind described, comprising a pontoon hull having a longitudinal tapering well formed in the front half of said hull, an overhead superstructure mounted upon said hull and bounding said well, a haul-back sheave mounted at the inner end of said well, a haul-back line mounted in said sheave, a winding engine, a dredging bucket, an inclined runway on said superstructure, a carriage on said runway, a sheave on said carriage, said line having one end connected to said winding engine and the opposite end to the bottom of said dredging bucket, said bucket having a bail connected to said main line, said main line being passed over and between said sheave on said carriage, a balanced tipple in the front over said superstructure and in the path of the ascending dredge bucket, a contact lip upon the front of said tipple adjacent the top thereof, whereby when said winding engine is operated in a hauling and hoisting direction said dredge bucket is caused to ascend said superstructure and the top edge of said dredging bucket is caused to contact the lip upon said balanced tipple, through the main line being carried forwardly by the carriage mounted upon the inclined runway at the top of said superstructure, thereby causing said tipple to overbalance and dump the said dredge bucket, after which said main line is slackened allowing the wheeled carriage and dredging bucket to be carried to the lower end of said inclined runway by gravity where said dredging bucket is lowered and hauled into digging position by said haul-back line to re-commence the cycle of digging and dredging operations.

2,067,001
MACHINE FOR REMOVING MOISTURE FROM ABSORBENT PADS
Armando Palmieri, Erie, Pa., assignor of one-half to Paul A. Stephany, Erie, Pa.
Application July 26, 1935, Serial No. 33,369
4 Claims. (Cl. 15—262)

1. Apparatus for removing liquid from a liquid absorbent pad comprising a pad supporting surface, a member movable over said surface adapted to contact with a pad disposed on said surface to squeeze the moisture from said pad, means for automatically positioning and holding said member away from said pad upon its reverse movement, said member being returned automatically

to an operative position upon the completion of its reverse movement, and means for automatically clamping said pad before it is contacted by



the squeezing member and for unclamping said pad upon the completion of the reverse movement of the squeezing member.

2,067,002
PROCESS FOR THE MANUFACTURE OF CONCENTRATED PRODUCTS
Alfred Pollak, Woodmere, N. Y.
No Drawing. Application February 21, 1935, Serial No. 7,637
6 Claims. (Cl. 99—5)

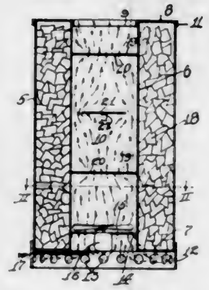
4. The method of concentrating, by evaporation, liquids such as distillers' spent wash, steep water and press water of starch factories, and acid containing vegetable extracts, for use in fermentation, which method comprises the steps of adding alkaline compounds of earth alkalies to the said waste liquids, heating and evaporating the latter, said neutralizing step being carried out both before and during evaporation in order to prevent the deleterious influence of the acids upon the unstable organic compounds such as caramelization and the deterioration of proteinic matter.

2,067,003
AUTOMOBILE AUXILIARY WINDSHIELD
Frederick A. Smith, North Chicago, Ill., assignor, by mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application December 22, 1930, Serial No. 503,931
4 Claims. (Cl. 296—84)



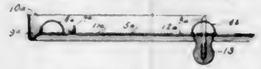
1. In a windshield including a rotatably mounted deflector, a pad having a tubular portion, a pin pivotally associated with said deflector and having an end extending into said tubular portion, said end having a transverse slot therein, and a member supported in said tubular portion and extending into said slot for holding said pin against rotational movement.

2,067,004
REFRIGERATING APPARATUS
Julius J. Spengler, Chicago, Ill.
Application May 13, 1935, Serial No. 21,117
9 Claims. (Cl. 257—202)



1. In a refrigerating device, a double-walled member defining an annular chamber to hold a refrigerant, said chamber being closed at the top and bottom thereof with the central space defined by the inner wall open at both ends, a base support for holding said member having air openings therein, and means disposed in said central space providing a forced draft through said central space.

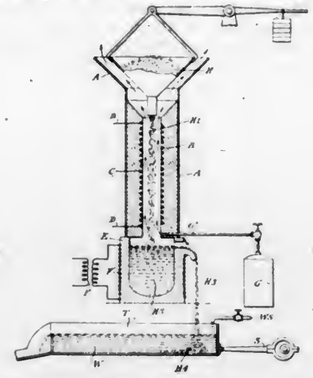
2,067,005
TILTING CROQUET
Ernest C. Allen, Milwaukee, Wis.
Application July 28, 1933, Serial No. 682,653
1 Claim. (Cl. 273—110)



An integrally formed tiltable croquet board comprising a stiff embossed sheet having a continuous marginal groove constituting a hazard and formed with a continuous marginal inner wall and outer wall, the outer wall being higher than the inner wall, this croquet board having slots through its intermediate parts, said slots constituting hazards and being disposed at points surrounded by and spaced from the marginal groove, and wickets formed of strips which are struck up from the said slots and integral with said sheet and located at the respective slots in position to be negotiated by a game-piece which rolls on the croquet board when propelled by gravity as the croquet board is tilted, said slots being narrower than the game piece, and adapted to receive and retain or retard the game piece while permitting it to move out of any of said slots when the board is tilted further or jerked or knocked.

2,067,006
METHOD OF RECOVERING METALS FROM ORES, ETC.
Craig Ritchie Arnold, Dahlonega, Ga.
Application June 6, 1934, Serial No. 729,211
10 Claims. (Cl. 75—83)

1. The method of treating metallic sulphide ores containing iron and gold consisting in fusing the material to a temperature above that at which gold melts, then plunging it into a cooling liquid to congeal and disassociate the metallic parts of iron and gold from the non-metallic parts and

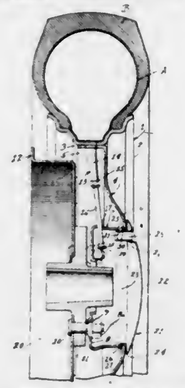


treating the resultant metallic constituents to recover the iron content as a ferrous sulphate.

2,067,007
METHOD OF COATING METAL
Van M. Darsey, Detroit, Mich., assignor, by mesne assignments, to The Patents Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 5, 1934, Serial No. 714,098
4 Claims. (Cl. 148—6)

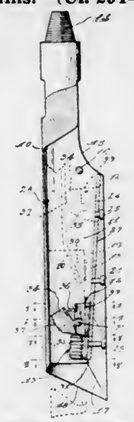
1. The method of forming a phosphate coating comprising a material amount of pyrophosphate on a metal of the group consisting of iron, steel, zinc, magnesium and their alloys, which comprises subjecting the surface of said metal to a dilute acid pyrophosphate aqueous solution, at a temperature below that at which the pyrophosphate changes to orthophosphate in the solution employed, and including in the solution an acid phosphate of a metal of the group consisting of zinc, the alkali metals and the alkaline earth metals.

2,067,008
WHEEL AND VALVE STEM ASSEMBLY
Arthur P. Fergueson, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application August 9, 1934, Serial No. 739,070
4 Claims. (Cl. 152—12)



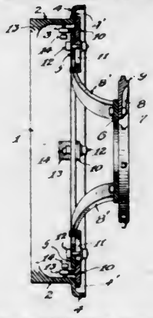
4. In a wheel including a tire rim, a nave part having a central opening and a central wheel mounting flange accessible through said opening, and a disk-like cover cooperable with said nave part to conceal said flange, a valve stem connection extending from said rim into the interior of said nave part opening having an end terminating adjacent said mounting flange so as to be accessible upon removal of said cover.

2,067,009
TUBING AND SUCKER ROD FISHING SOCKET
Frank J. Hinderliter, Tulsa, Okla.
Application May 29, 1933, Serial No. 673,445
8 Claims. (Cl. 294—102)



1. In a fishing tool, a socket having a longitudinal bore therein and an opening at its lower end through which an object to be retrieved may enter said bore, said socket also having an upper opening into said bore and a wall of said bore between said openings sloping inwardly and downwardly from said upper opening, a keyway on said wall, a pair of separate wedging members slidably disposable on said keyway through said upper opening, one of said members being toothed, the other of said members being toothless, and a toothed element carried by said toothless member and movable laterally thereto, said toothed element extending inwardly beyond said toothed member.

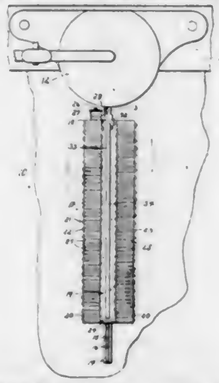
2,067,010
DRIVING ATTACHMENT
David R. Holden, Peoria, Ill.
Application December 11, 1935, Serial No. 53,915
7 Claims. (Cl. 74—15)



1. In combination with the rim of a wheel, said rim having a face substantially parallel to the axis of rotation and a surface substantially paralleling the plane of rotation, of a body of a diam-

eter less than that of the inner diameter of such rim, the same adapted for suspension free of the wheel and its rim, members mounting on the body adapted for adjustment radially thereof and abutting said surface of the rim, and each member having a portion adjacent the named face of the latter, means to separately fix the members with respect to the body, means carried by the portion of each member, each of the means being adjustable and adapted to engage the rim at its said face to fix the structure and rim relatively, and a wheel fixed relatively to said structure.

2,067,011
HEATER AND WIPER FOR WINDSHIELDS
Charles Kelley Knight, Upper Darby, Pa.
Application August 28, 1934, Serial No. 741,813
6 Claims. (Cl. 219—19)



6. A windshield cleaner comprising a holder having laterally spaced fillets, heating elements mounted on said fillets with their broadsides in a plane paralleled to a windshield glass and having portions projecting beyond the side edges of said fillets, and a wiper mounted in the holder between the fillets and of approximately the same length as said heating elements.

2,067,012
COMPOSITE BUILDING MATERIAL
Emil C. Loetscher, Dubuque, Iowa
Application October 9, 1933, Serial No. 692,811
22 Claims. (Cl. 154—45.9)

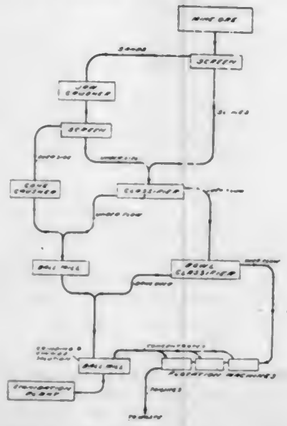


1. A building material of the character described consisting of a compressed mixture of a finely divided woody substance containing a substantial quantity of natural resin, a relatively small amount of a synthetic resin and sufficient lime to react with the natural resin.

2,067,013
PROCESS FOR PRODUCING THE DISODIUM SALT OF IMIDODICARBOXYLIC ACID
Robert B. MacMullin, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application October 2, 1935, Serial No. 43,178
3 Claims. (Cl. 260—112)

1. A process for producing disodium imidodicarboxylate comprising heating dry sodium carbamate to a temperature at which nitrogen is evolved as ammonia not exceeding 190° C. in a dry atmosphere.

2,067,014
CYANIDATION AND FLOTATION OF ORES
Jephthah M. Morris, Baguio, P. I., assignor to Benguet Consolidated Mining Co. S. A., Manila, P. I., a corporation of Philippine Islands
Application August 3, 1935, Serial No. 34,631
8 Claims. (Cl. 75—2)



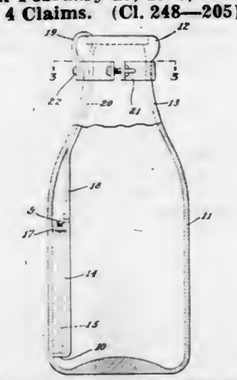
1. A method of treating precious metal ores which contain both hard and soft types of minerals which comprises separating at least a portion of the softer type minerals from the ore, treating this separated portion by a process including flotation, and treating the portion of the ore containing the harder type minerals by cyanidation and recovering values from the flotation concentrate.

2,067,015
INSULATION
Carl Georg Munters, Stockholm, Sweden, assignor to Aktiebolaget Termisk Isolation, Stockholm, Sweden, a corporation of Sweden
Application December 5, 1934, Serial No. 756,051
In Sweden March 3, 1931
9 Claims. (Cl. 154—44)



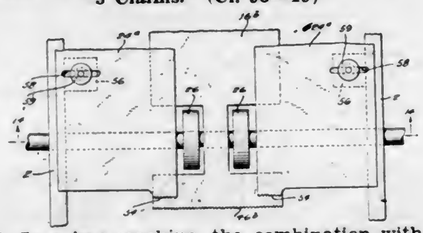
1. Heat insulation comprising a hermetically closed element which contains a gas having a lower heat conductivity than that of air at corresponding pressure and means counteracting heat transfer due to convection and radiation, the outer and inner members of the element being made of metal and the transverse walls connecting said members being of poor heat conducting material and having a length greater than the shortest distance between the members they connect.

2,067,016
THERMOMETER HOLDER
Herbert M. Packer, Philadelphia, Pa.
Application February 15, 1935, Serial No. 6,617
4 Claims. (Cl. 248—205)



4. In a device of the character described, and in combination, a metal strap having a hook-shaped upper end, whereby the strap may be suspended inside a bottle from the lip thereof, the intermediate portion of the strap being bent to conform substantially to the configuration of the bottle neck, a split and hinged clamping collar secured to the outer end of said hook and adapted to embrace the bottle neck, and means associated with the lower portion of said strap for holding a thermometer casing.

2,067,017
MACHINE FOR MAKING BELLOWS BAGS
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y., a corporation of New York
Application June 21, 1934, Serial No. 731,621
3 Claims. (Cl. 93—19)



1. In a bag machine, the combination with a former about which a web of paper is adapted to be wrapped to form a bellows bag tube, wing plates adapted to engage the tube and to form bellows folds therein, one edge of each wing plate having cutting edges for severing one ply of the bellows fold.

2,067,018
CHRISTMAS TREE ORNAMENT
Millard Pretzfelder, St. Albans, N. Y., assignor to Paper Novelty Manufacturing Co., New York, N. Y., a corporation of New York
Application March 9, 1936, Serial No. 67,896
2 Claims. (Cl. 41—10)

1. As an article of manufacture, an ornament adapted for use with an incandescent electric light bulb in the decoration of a Christmas tree, said ornament comprising a cone having a multiplicity of apertures in the surface thereof and having a highly reflective interior surface from which surface light is reflected so as to issue from the ornament through said apertures, and a pair of tabs bent inwardly from the periphery



of the base of the cone, said tabs constituting a support for said ornament.

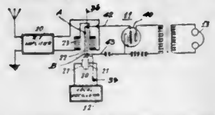
2,067,019
PHTHALIC ANHYDRIDE RECOVERY
Riewen Riegler, Buffalo, N. Y., assignor to National Aniline and Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application December 29, 1933, Serial No. 704,480
3 Claims. (Cl. 260—123)

1. The method of cooling phthalic anhydride vapors and preparing phthalic anhydride in the form of a solid, crystalline product, which comprises passing phthalic anhydride vapors into a screw conveyor the walls of which are maintained at a temperature substantially below the condensation temperature of phthalic anhydride and adjusting the rate of flow of vapors so that the vapors are maintained in a state of turbulence as they contact with the cooled walls of the conveyor, and operating the screw conveyor so as to continuously scrape resultant crystallized phthalic anhydride from said walls.

2,067,020
EXPANDED RUBBER
Dudley Roberts, New York, N. Y., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 3, 1934, Serial No. 718,875
8 Claims. (Cl. 18—53)

1. The method of manufacturing expanded rubber which comprises masticating and milling rubber; resting the masticated rubber to restore its "nerve"; forcing out occluded air from the rubber; impregnating the rubber with air-free inert gas-occluded charcoal particles of which the inert gas does not react with rubber; and heating the rubber to expand the gases within it and consequently also expanding the rubber; and carrying vulcanization of the material to completion.

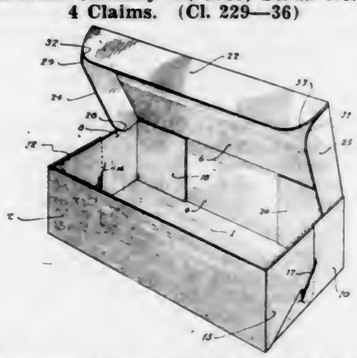
2,067,021
MEANS FOR CONVERTING ELECTRICAL ENERGY INTO ACOUSTICAL ENERGY
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 12, 1929, Serial No. 413,458
7 Claims. (Cl. 250—22)



1. A radio receiving system comprising a radio frequency amplifier for providing a modulated high frequency signal, means for providing lo-

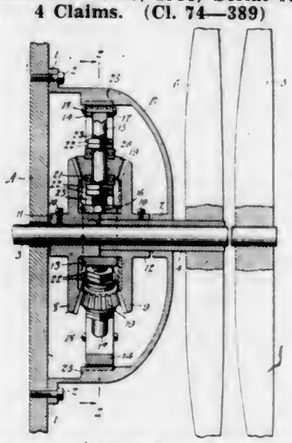
cally derived energy in the form of mechanical vibrations, and a frequency changing device for combining the energy of said modulated high frequency signal with the energy of said mechanical vibrations to obtain an output energy in the form of electrical oscillations corresponding to the modulation of said modulated high frequency signal.

2,067,022
CARTON
Dean E. Rueckert, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application January 31, 1935, Serial No. 4,358
4 Claims. (Cl. 229—36)



1. A carton comprising a bottom, ends extending from said bottom, substantially rectangular tabs extending from one side of each of said ends, a front side provided with locking tongues, slots in said ends adapted to cooperate with said locking tongues, a back side provided with free edges at its ends, said back side adapted to enclose said end tabs within the carton, and a top provided with front and side flaps, each of said flaps being free to move in relation to its adjacent flap and each of said side flaps adapted to fold within the carton and impinge its respective end tab against the inner surface of said back side, said side flaps having rounded corners to facilitate their insertion within said carton.

2,067,023
MULTIPLE PROPELLER DRIVING MEANS
George R. Schleicher, New York, N. Y.
Application March 20, 1936, Serial No. 69,914
4 Claims. (Cl. 74—389)



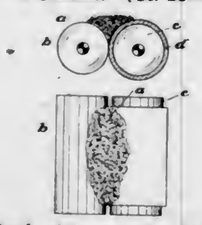
1. A multiple propeller driving means including an inner drive shaft, an outer tubular shaft thereon, propellers fixed to the several shafts, a pair of bevel facing gears on the shafts, bevel pinions operatively connecting the facing gears and transmitting motion from one to the other, radial shafts supporting the bevel pinions, inner and outer rings supporting the shafts, and a casing providing a mounting for the outer ring and permitting longitudinal movement of the outer ring relative thereto.

2,067,024
HOLDER FOR FLAGS AND THE LIKE
Frank S. Schmid and John S. Bitner, Fort Wayne, Ind.
Application December 20, 1934, Serial No. 758,466
3 Claims. (Cl. 248—41)



1. A holder for flags and the like comprising a jaw-carrying member having a longitudinal opening therein, a sleeve slidably mounted in said opening, a coiled spring extending through the sleeve and having its upper portion attached to said member and its lower end projecting from said member and a second jaw-carrying member encircling and slidably mounted on the other jaw-carrying member and having said lower end of the spring connected thereto, the sleeve having an engagement with the spring such that when the spring is extended by relative movement of the jaw-carrying members the sleeve is caused to travel by the movement of the spring.

2,067,025
METHOD OF TRANSFORMING POLYMERIZED VINYL CHLORIDE INTO THIN SHEETS AND PRODUCT OBTAINABLE THEREBY
Fritz Schmidt, Troisdorf, near Cologne-on-the-Rhine, Germany, assignor to Dynamit-Actien-Gesellschaft, vormals Alfred Nobel & Co., Troisdorf, near Cologne, Germany
Application November 14, 1934, Serial No. 752,974
In Germany November 14, 1933
8 Claims. (Cl. 18—57)



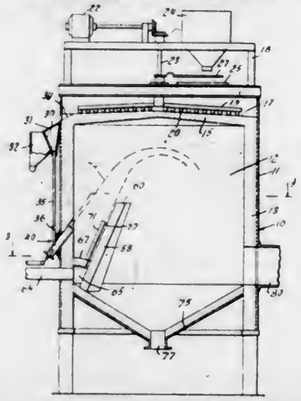
1. A method of improving the physical properties of polymerized vinyl chloride which comprises rolling dry polymerized vinyl chloride into a thin sheet and stretching the rolled sheet in the direction of the rolling operation and in a direction at right angles thereto by applying tension to the sheet in the said directions and pressing the sheet between plates while applying heat.

2,067,026
RESPIRATOR
Nathan Schwartz, New York, N. Y.
Application November 16, 1935, Serial No. 50,116
3 Claims. (Cl. 128—146)



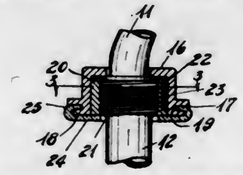
1. A filter type respirator including a filter element adapted to enclose the nostrils and mouth of the wearer and fashioned so as to be disposed in spaced relation to the face except at the marginal portion thereof, a member having air passages therethrough, said member overlying and detachably associated with the central portion of the filter element with the marginal portion of the filter element extending therebeyond, and means connected to said member for holding the same in applied position and for exerting pressure to impinge the filter element against the face of the wearer adjacent the marginal portion of said filter element.

2,067,027
PRODUCTION OF SULPHUR DIOXIDE
Charles Forbes Silsby, White Plains, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application September 20, 1934, Serial No. 744,775
7 Claims. (Cl. 75—9)



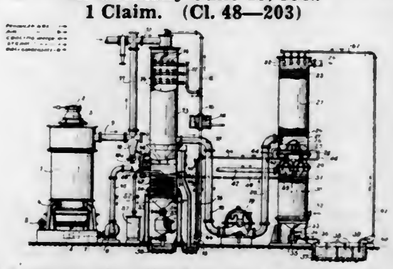
1. The method of roasting finely divided metal sulphides to produce sulphur dioxide which comprises introducing sulphide fines into the lower portion of a combustion chamber of relatively large horizontal cross-section at a velocity such as to carry the fines particles into the upper portion of the combustion chamber, then causing the said fines to pass downwardly through the said combustion chamber while out of contact with the walls of said combustion chamber, separately introducing a stream of combustion supporting gas moving at a velocity less than that of said fines particles into the portion of the combustion chamber adjacent the point of introduction of the fines, and passing the combustion supporting gas upwardly and then downwardly through the combustion chamber in substantially co-current flow with the fines and withdrawing sulphur dioxide-containing gases from the lower portion of the combustion chamber.

2,067,028
LOCK FOR PIPE COUPLINGS
Stephen Talaga, Bay City, Mich.
Application October 9, 1935, Serial No. 44,197
6 Claims. (Cl. 285—120)



1. In a device of the character described and comprising a shell formed with a groove adjacent the lower end thereof, a sleeve mounted in said shell, a locking pin mounted on said sleeve and adapted to lock the shell and sleeve together as a unit when the shell is rotated in a clockwise direction, and a washer formed with an overhanging lip adapted to be slidably mounted in said groove in the shell.

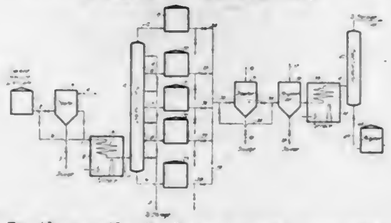
2,067,029
ELIMINATION OF POISONOUS WASTE LIQUORS
Paul Van Ackeren, Essen, Germany, assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application June 16, 1933, Serial No. 676,069
In Germany June 18, 1932
1 Claim. (Cl. 48—203)



In a process for direct cooling and washing of producer gas and the like from producers employing air saturated with steam for gas making which comprises, a preliminary stage in which the gas is substantially entirely freed of its tar by washing it while still hot from the producer with hot water at a temperature somewhat above the dew point of the gas for water, a final gas cooling stage in which the gas is subsequently finally cooled by washing with cold water, and an air saturation stage in which spent water hot from washing the hot gas is cooled by passing the air for gas making in the producer through the water to cool the same and saturate the air for making the producer gas; the improvement comprising flowing said water in series through the final cooling stage, then the

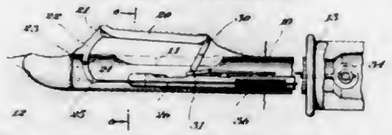
preliminary cooling stage, thence the air saturation stage and thence back to the final cooling stage, heating the spent water from the final cooling stage while flowing to the preliminary stage, separating the tar from the spent water from the preliminary cooling stage prior to entering the air saturation stage, and cooling the spent water re-entering the final cooling stage down to a temperature which will condense water vapor present in the gas in the final cooling stage.

2,067,030
METHOD FOR TREATING MINERAL OIL DISTILLATES
Adrianus Johannes van Peski, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 30, 1933, Serial No. 695,845
In the Netherlands November 3, 1932
2 Claims. (Cl. 196—78)



1. In the method of producing improved synthetic oil by catalytic polymerization of a hydrocarbon mixture derived from a cracked gasoline distillate boiling within a range including 75 to 145° C. and containing aromatic components, the steps of fractionally distilling said distillate to produce fractions having boiling ranges of about 75–85° C., 105–115° C., and 135–145° C. and intermediate fractions, separating the first fractions from the intermediate fractions and subjecting at least a portion of the latter to a polymerization with a polymerization catalyst under conditions to produce a substantially oxidation stable synthetic oil.

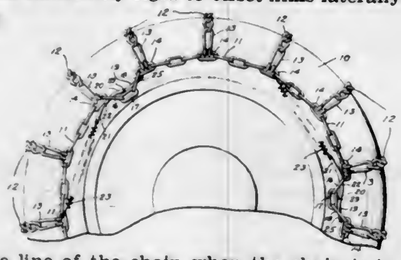
2,067,031
INSTRUMENT FOR INSERTION INTO CONSTRICTED BODY CAVITIES
Frederick Charles Wappler, New York, N. Y.
Application March 23, 1934, Serial No. 716,952
11 Claims. (Cl. 128—7)



2. In an instrument for insertion into a constricted body cavity, a sheath having a lateral fenestra, a dilator frame arranged in the plane of the fenestra, and a parallel-motion mechanism for protruding the frame bodily in a lateral direction.

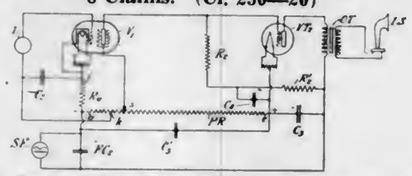
2,067,032
TIRE CHAIN TIGHTENER
Harry D. Weed, Southport, Conn.
Application August 28, 1936, Serial No. 98,318
8 Claims. (Cl. 152—14)

1. In a tire chain including side chains and cross members, means for tightening a side chain comprising a member passing through a plurality of links of said chain, said member being so shaped and sufficiently rigid to offset links laterally from



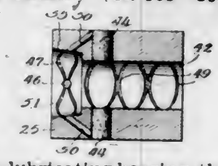
the line of the chain when the chain is in position on the tire and retain these links in this position.

2,067,033
ELECTRICAL RECTIFIER AND DETECTOR SYSTEM
Sidney Y. White, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Original application July 29, 1929, Serial No. 381,754. Divided and this application April 29, 1932, Serial No. 608,220
8 Claims. (Cl. 250—20)



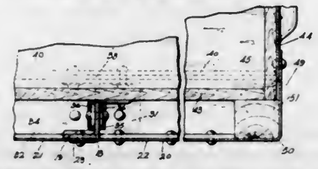
2. An amplifying system comprising a plurality of vacuum tubes connected in cascade, a resistor connected in the cathode-anode circuit of one of said tubes, a preceding tube, a connection from one terminal of said resistor to the cathode of said preceding tube, an impedance constituting a plate-current biasing impedance for said preceding tube connected in series in said connection, and a connection from an intermediate point on said resistor to the control electrode of said preceding tube.

2,067,034
HEAT RESPONSIVE SELF-LUBRICATING BEARING
Robert H. Whiteley, Oak Park, Ill., assignor to Robert H. Whiteley, trustee
Application August 26, 1931, Serial No. 559,397
2 Claims. (Cl. 308—36.3)



1. In a self-lubricating bearing, the combination of a metal bearing shell formed with a cylindrical bore communicating with a tapered counterbore, said tapered counterbore being of larger diameter than said first-mentioned bore and having an annular shoulder at one end adjacent said first-mentioned bore, said cylindrical bore having a plurality of grooves in its surface and having apertures passing through said bearing shell communicating with said grooves, said tapered bore having grooves in its surface with apertures communicating between said last mentioned grooves and the first-mentioned apertures, and porous carbon lubricating compound in said grooves and apertures whereby said bearing surfaces are constantly supplied with lubricant which forms a film on said bearing surface and provides a water-tight seal between said bearing surface and a complementary shaft.

2,067,035
HOUSE CAR
Clarence H. Williamson, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application July 3, 1935, Serial No. 29,710
1 Claim. (Cl. 105—409)

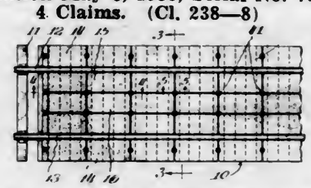


A metallic railway house car having an inside width not less than 8'9" converted from a wooden sheathed house car having originally an inside width not greater than 8'6", metallic side sills and side plates and metallic car ends provided with vertical side flanges, said converted house car comprising metallic side walls and the existing side sills, each said side wall including a metallic side plate, metallic side and door posts secured to said sill and side plate in outwardly spaced relation to said side sill, said side and door posts being disposed outwardly of the side flanges of said existing car ends, metallic sheathing secured to the outside of said side and door posts and to said side plate and sill, said sheathing between said sill and side plate being spaced outwardly of said sill and car ends and lying substantially parallel to said sill and side flanges of said car ends, means for closing the space between said sheathing and said sill, a wooden lining disposed against the inside of said side posts, the plane of said lining includng said side flanges of said car ends, said side flanges being removed whereby said lining extends continuously from each door post to said car ends and an angular metallic extension carried by said sheathing overlapping and secured to the vertical margins of said car ends formed by the removal of said vertical side flanges.

2,067,036
PROCESS OF PRODUCING METALS FOR ELECTRICAL PURPOSES
Anton Wimmer, Dortmund, Germany
No Drawing. Application June 20, 1934, Serial No. 731,575. In Germany November 19, 1932
4 Claims. (Cl. 148—12)

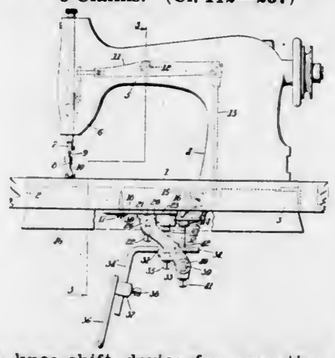
1. Process for increasing the valuable electrical and magnetic properties of a steel containing from 0.5% to 5.0% of silicon, which comprises subjecting the steel to a plurality of preliminary cold rolling operations in each of which the thickness is reduced by not more than about 35%, heating the steel intermediate between each of such rolling operations to a temperature of at least about 800° C., heating the steel after the last preliminary operation to a temperature of at least 900° C., then cold rolling the steel and reducing its thickness by an amount less than in said preliminary rolling operations which is critical to the production of crystal growth on subsequent annealing and which is between 0.5% and 15%, and then heating the steel to a temperature above 800° C.

2,067,037
CROSSING SLAB
Earl C. Alexander, Glen Ellyn, Ill., assignor to Massey Concrete Products Corporation, Chicago, Ill., a corporation of Virginia
Application May 6, 1936, Serial No. 78,130
4 Claims. (Cl. 238—8)



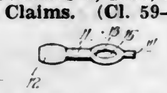
1. In a crossing slab, the combination of a premolded cementitious member having sides of regular polygonal form, said member being formed at one of its edge surfaces with a partially cylindrical groove adapted with other similar members to form a recess in a crossing installation for a securing member, said cementitious member having said groove formed at one of its corners whereby a multiplicity of said members meeting at said corner may be secured by a single securing member.

2,067,038
PRESSER-LIFTER ACTUATING DEVICE FOR SEWING MACHINES
William A. Andres, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 26, 1935, Serial No. 51,571
8 Claims. (Cl. 112—237)



1. A knee-shift device for operating presser-lifter mechanisms of table-supported sewing machines, comprising, a swinging member sidewise reversibly attachable to the sewing machine supporting table to depend from the under side of said table, a bar extensible in the same direction from said member in either of the reverse positions of said member, and means carried by said bar for transmitting operative movements of said member to the sewing machine presser-lifter mechanism.

2,067,039
RETAINING DEVICE
George A. Auer, Chicago, Ill.
Application November 4, 1933, Serial No. 696,665
6 Claims. (Cl. 59—98)



1. A retaining device made integrally of rubber and including, a central carrier portion, a re-

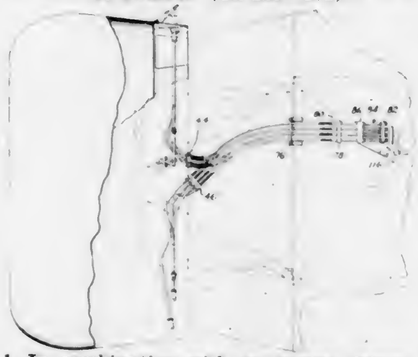
taining enlargement at each end of said central carrier portion, one of said enlargements being perforated, and an extension integral with said perforated enlargement for flexing the same.

2,067,040
METHOD OF MANUFACTURING PENS
George E. Bartol, Jr., Wynnewood, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey
Application May 23, 1934, Serial No. 727,077
6 Claims. (Cl. 113—32)



1. In the manufacture of pens, the method which includes forming a metallic pen blank having tabs projecting at opposite sides of the pen tip in the general plane of the blank, bending said tabs toward one side of the blank in spaced but substantially parallel relation, and utilizing said spaced tabs as guides for a cutting tool introduced therebetween and cutting out the metal between the tabs with such cutting tool.

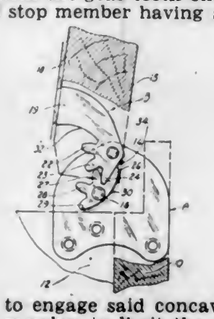
2,067,041
ENGINE COOLING MEANS
Rex B. Beisel, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 15, 1935, Serial No. 26,877
16 Claims. (Cl. 123—171)



1. In combination with an engine driven vehicle and an engine therefor, an engine cooling means including a series of adjustable flaps hingedly mounted adjacent to the rear end of said engine, means for manually adjusting said flaps comprising, a plurality of push and pull members each including a flexible casing anchored to fixed portions of said vehicle and a cable slidable in each casing and connected at one end to one of said flaps, and a manually operable device including a fixed abutment for receiving the ends of said casings remote from said flaps, a movable plate member for receiving the ends of said cables remote from said flaps and manually operable means for removing said plate member relative to said abutment.

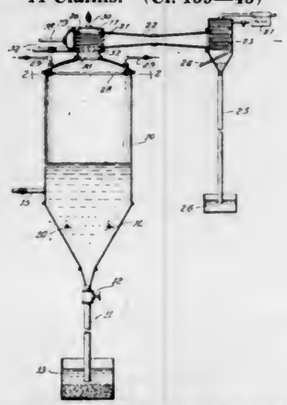
2,067,042
HINGE
Jacob Bloom, Philadelphia, Pa.
Application August 14, 1936, Serial No. 95,962
2 Claims. (Cl. 16—191)

1. A hinge comprising pivotally connected fixed and movable members, means for connecting said members to elements of a chest which are to be articulated together, said movable member comprising a substantially flat portion having a partial concave bounding surface and a plurality of gear teeth thereon, a pivoted cooperable stop member having a plurality of gear teeth therein which mesh with the gear teeth on said movable member, said stop member having a convex sur-



face adapted to engage said concave surface on said movable member to limit the movement of the movable member in one direction, and a tooth-like extension on said stop member which engages the outside tooth surface of an end tooth on the movable member whereby the movable member is limited from moving in the other direction.

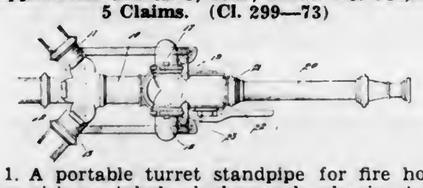
2,067,043
VACUUM CRYSTALLIZER AND METHOD OF CRYSTALLIZING
Harold B. Caldwell, New York, N. Y., assignor to Swenson Evaporator Company, Harvey, Ill., a corporation of Illinois
Application October 25, 1933, Serial No. 695,095
11 Claims. (Cl. 159—45)



1. A vacuum crystallizer comprising a chamber adapted to contain solution and provide a vapor space thereabove, means for withdrawing vapors to create a vacuum in the chamber and compress the withdrawn vapors, cooling means for condensing said compressed vapors, and means for injecting liquid upon surfaces within the vapor space of said chamber in order to prevent accumulation of solute thereon.

2. A vacuum crystallizer comprising a chamber adapted to contain solution and provide a vapor space thereabove, means for withdrawing vapors to create a vacuum in the chamber and compress the withdrawn vapors, cooling means for condensing said compressed vapors, and means for injecting liquid upon the internal surfaces of the vapor withdrawing means in order to prevent accumulation of solute thereon.

2,067,044
PORTABLE STANDPIPE
John T. Corley, Providence, R. I., assignor to J. M. Baker Pattern Company, Inc., Providence, R. I., a corporation of Rhode Island
Application March 5, 1929, Serial No. 344,338
5 Claims. (Cl. 299—73)

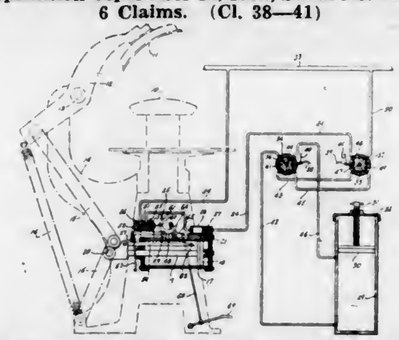


1. A portable turret standpipe for fire hose, comprising a tubular body member having inlet openings at one end and an outlet opening at its opposite end, and a pair of arms pivotally mounted on opposite sides of the body member to swing from a folded position substantially parallel with the pipe to an extended position at substantially right angles to the pipe, a pin reciprocatably mounted on said body member for each arm, each arm having a portion with a plurality of openings therein located to pass beneath said pin when swung on its pivotal mounting, and means for shifting said pin to engage one of said openings and lock the arms in the desired position.

4. A support arm for a turret standpipe or the like, comprising a one piece metal body portion having a foot at one end thereof provided with a ground engaging calk, and a pivot engaging device at the other end thereof, said pivot engaging device having a plurality of openings therethrough, said calk and said pivot engaging device being positioned transverse to said body portion.

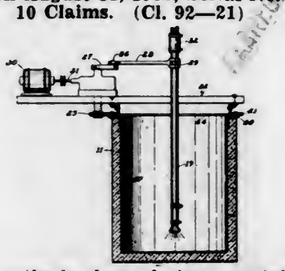
5. An elbow member for a turret standpipe or the like, comprising an elbow portion and a transverse support plate integral therewith and positioned at the outer bend of said elbow portion and extending laterally from each side thereof said support plate having pivot mountings at the ends thereof.

2,067,045
PRESS CONTROL MECHANISM
Joseph P. Daly, New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application September 12, 1934, Serial No. 743,694
6 Claims. (Cl. 38—41)



1. In a press of the class described, the combination of a pair of coacting relatively movable pressing members having a preliminary closing movement and a final pressure movement, a fluid motor for causing said movements, a reservoir having a fluid pressure capacity just sufficient to close the press with zero pressure, two hand control means for alternatively charging said reservoir or admitting fluid pressure from said reservoir to said motor, differential pressure actuated means for controlling the application of final pressure, and means actuated by the preliminary closing movement for effecting actuation of the differential pressure actuated means.

2,067,046
TOXIC AGENT AND ITS APPLICATION TO FIBROUS PRODUCTS
George H. Ellis, St. Paul, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application August 31, 1934, Serial No. 742,330
10 Claims. (Cl. 92—21)

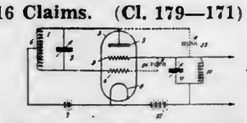


1. The method of rendering vegetable fiber products water repellent, insect and fungi proof, wherein the water repellent properties and the insecticide and fungi proofing are obtained through addition to a diluted suspension of fibers in water, a toxic agent prepared by cooking rosin, coal tar product of the class described containing hydrocarbons of the general formula $C_{14}H_{10}$, creosote and its homologues, and pyridin-like substances in amount less than 0.5% and a caustic material to form an emulsion, the pH of suspension being properly adjusted within the range of 3.5 to 6.

2,067,047
INSECT AND FUNGI TOXIC FIBROUS MATERIAL
George H. Ellis, St. Paul, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application June 29, 1935, Serial No. 29,172
4 Claims. (Cl. 92—21)

1. A fibrous mass having incorporated therein an insecticide and fungicide comprising a toxic agent containing hydrocarbons of the general formula $C_{14}H_{10}$, creosote and its homologues, and pyridin-like substances in amount less than 0.5%.

2,067,048
THERMIONIC AMPLIFIER
Ernest Walter Brudenell Gill and Robert Hope Donaldson, Oxford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application June 1, 1928, Serial No. 282,089. Renewed May 14, 1931. In Great Britain June 8, 1927
16 Claims. (Cl. 179—171)



1. In an electron discharge device amplifier comprising a four electrode valve, an output circuit connected between the outer grid and cathode of said valve, an input circuit including an

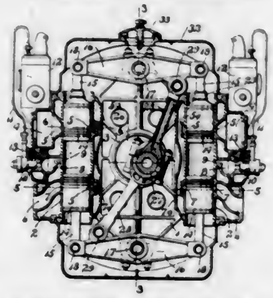
input inductance arranged push-pull fashion between the anode and inner grid of said valve, and connecting means between a point on said input inductance and the cathode of said valve.

2,067,049

INTERNAL COMBUSTION ENGINE

Mark J. Goldberg, Beloit, Wis., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan

Application April 23, 1934, Serial No. 721,941
3 Claims. (Cl. 123—51)



1. In an internal combustion engine of the class described, two vertical spaced apart parallel cylinders, vertical supporting frames spaced from and in parallel relation to each other carrying said cylinders, a crank shaft mounted between the cylinders and on the supporting frames and extending between said frames, a rocking lever pivotally mounted between its ends at both the upper and lower ends of said frames, two pistons in each cylinder, connections between the pistons and the adjacent ends of the rocking levers, connecting rods, one connected at its outer end to a rocking lever near one end thereof and the other connected at its outer end to the other rocking lever near the opposite end thereof, and at their inner ends connected to the crank shaft, said rocking levers lying between the spaced apart frames and disposed across and beyond the ends of said cylinders, the axes of the connecting rods and of the cylinders being in substantially the same vertical plane, each of said pivotal connections between the connecting rods and the rocking levers being located inwardly toward the crankshaft from a line extending medially through the adjacent rocking lever.

2,067,050

DEWAXING HYDROCARBON OIL

Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine

No Drawing. Application May 7, 1934, Serial No. 724,460
3 Claims. (Cl. 196—19)

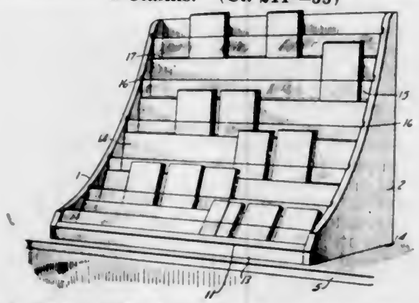
1. In the dewaxing of heavy wax-bearing oil consisting essentially of hydrocarbons of cylinder stock viscosity and containing tarry constituents removable by solvent extraction of the oil wherein the oil is diluted, chilled to precipitate the wax, and the chilled mixture filtered to remove the precipitated wax, the method of increasing substantially the rate of filtration which comprises diluting one part of the oil with about three to four parts of a substantially non-polar diluent liquid, chilling the diluted mixture to precipitate the wax constituents, filtering the cold mixture in the presence of a polar substance of the character of sulphur dioxide, acetone and methyl ethyl ketone, said polar substance comprising about 5% to 10% by volume of the mixture of wax-bearing oil and non-polar diluent, and in an amount less than necessary to substantially reduce the dewaxing temperature differential, removing the resulting dewaxed filtrate, and recovering the solvent therefrom.

2,067,051

RACK

Joyce C. Hall, Kansas City, Mo.

Application January 30, 1935, Serial No. 4,007
3 Claims. (Cl. 211—55)



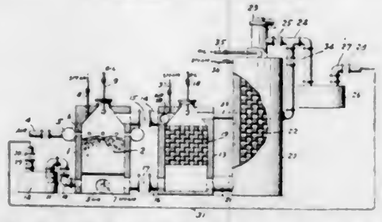
1. In a rack of the character described, supporting means, stepped cross-bars fixed to said supporting means having top faces variably inclined to a horizontal plane at the base of said supporting means and having front and rear edges, the lowermost cross-bar having an angular head, one side of which is coincident with and the other perpendicular to said horizontal plane for cooperating with said supporting means, and back members having top and bottom ends fixed to the front and rear edges respectively of adjacent cross-bars for cooperating therewith in supporting flat cards in planes substantially perpendicular to lines of vision having a common focal point.

2,067,052

CARBURETED WATER GAS PROCESS

John S. Haug and Harutyun G. Terzian, Philadelphia, and Joseph A. Perry, Swarthmore, Pa., assignors to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 29, 1932, Serial No. 630,782
2 Claims. (Cl. 48—205)



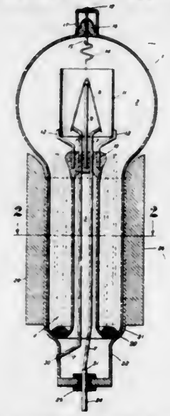
1. A process of manufacturing combustible gas as practiced in a set including a generator containing an ignited fuel bed, a carbureter, and a superheater, said process including the following steps: air blasting said ignited fuel bed, burning the resulting blast gases, and storing the heat of said combustion in the top of said fuel bed, in the top of said generator, in said carbureter, and in said superheater; and another step being introducing liquid hydrocarbon to the top of said generator, vaporizing said hydrocarbon there, passing the resulting gas down through the fuel bed, cracking said gas in the fuel bed, passing the cracked gas into and up through the carbureter, simultaneously introducing liquid hydrocarbon to the top of the superheater, vaporizing said liquid hydrocarbon there, passing the resulting gas down through the superheater, passing said gas up through the carbureter thereby mixing the gas from the generator and the gas from the superheater, and leading off said mixture to storage.

2,067,053

MERCURY VAPOR RECTIFIER

Ralph M. Heintz, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada

Application April 25, 1932, Serial No. 607,297
3 Claims. (Cl. 250—27.5)



1. A rectifier comprising the combination of an envelope having an expanded portion and a restricted portion, an incandescible cathode and an anode in said expanded portion, mercury in liquid phase in said restricted portion only, and means for cooling the mercury in said restricted portion only to control the vapor pressure in the entire envelope independently of the heat generated by said cathode and anode.

2,067,054

SYNTHETIC RESIN AND METHOD OF PRODUCING

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 29, 1935, Serial No. 3,944
14 Claims. (Cl. 260—2)

1. A reaction product of a pinene-maleic anhydride and an alcohol.

13. A coating composition comprising a reaction product of an alcohol and a pinene-maleic-anhydride, and a solvent.

2,067,055

DEVICE FOR AVOIDING NONLINEAR DISTORTION

Werner Jacobi, Berlin-Spandau, and Richard Feldtkeller, Berlin-Siemensstadt, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application March 13, 1933, Serial No. 660,602
In Germany March 18, 1932
10 Claims. (Cl. 179—171)

1. In an electrical circuit, an electron discharge tube or valve having an anode, a cathode, and a control electrode or grid, an input circuit and an output circuit connected with said electrodes, the bias supplied to said control electrode being such as to lie within the range at which the mu-factor decreases with increasing negative grid potential, in such a manner that, for a definite value of the ratio between resistance of the output circuit



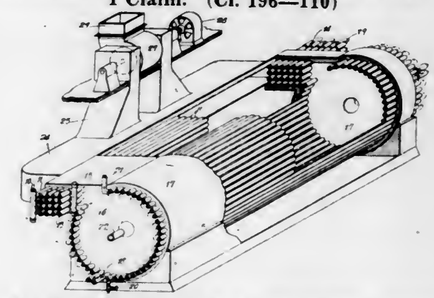
and the internal resistance of the valve, those non-linear distortions which are due to the curved nature of the anode current-grid potential characteristic will be compensated by those non-linear distortions which are due to variations of the mu-factor arising from variations of the grid potential.

2,067,056

OIL STILL

John H. Lawrence, New York, N. Y., assignor to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York

Application September 27, 1930, Serial No. 484,776
1 Claim. (Cl. 196—110)



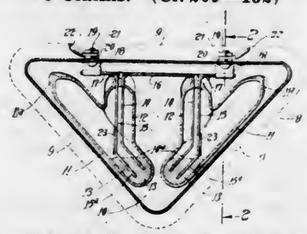
An oil still comprising a combustion chamber having a wall formed of parallel bare horizontal heat absorbing tubes projecting at their opposite ends beyond said combustion chamber, said tubes having bare fins spanning the space between adjacent tubes to form a substantially continuous furnace wall exposed directly to the heat in said furnace, and burners at opposite ends of said combustion chamber to burn fuel in direct heat transferring relation to said bare tubes, and an off-take for products of combustion midway of said last named ends.

2,067,057

AUTOMATIC SAFETY SWITCH FOR VEHICLES

Edward D. Lawson, Park Ridge, Ill.

Application April 18, 1935, Serial No. 16,986
9 Claims. (Cl. 200—152)



1. A switch of the kind described embodying therein a pair of tubes oppositely inclined from the perpendicular, a quantity of mercury normally disposed in the bottom end of each tube, a pair of electrodes associated with each tube

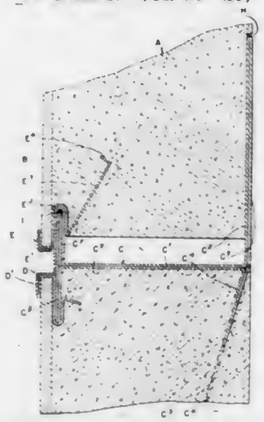
and opening thereinto to engage in the mercury in the respective tubes, a disc carried by one electrode of each pair above the mercury in the associated tube, and means connecting one electrode in each tube together, the other electrodes for both tubes being adapted for connection in the circuit to be controlled.

2,067,058
ORNAMENTAL TIE HOLDER
Irving R. Lederer, Providence, R. I.
Application July 17, 1934, Serial No. 735,591
5 Claims. (Cl. 24—49)



1. In a tie holder, shirt engaging elements comprising an elongated linear member, and a tie holder element comprising a plurality of hingedly connected links, the hinge connections being perpendicular to the line of direction of said linear member, whereby said tie holder element has substantially no droop or sag.

2,067,059
BUILDING UNIT
Peter J. Maul, Detroit, Mich., assignor to The Macotta Unit Corporation, Detroit, Mich., a corporation of Maryland
Application March 16, 1936, Serial No. 69,241
19 Claims. (Cl. 72—20)

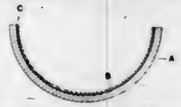


1. A building unit comprising a body, an edging strip provided with an anchor portion embedded in said body and having a projecting flange arranged substantially in the plane of the inner face of the unit, and a fastener for engaging said flange to attach the same to the supporting wall.

2,067,060
METHOD OF TREATING PIGMENTS
Henry R. Minor, Oak Park, Ill., assignor, by mesne assignments, to Industrial Process Corporation, Saratoga Springs, N. Y., a corporation of New York
No Drawing. Application April 6, 1934, Serial No. 719,339
6 Claims. (Cl. 134—58)

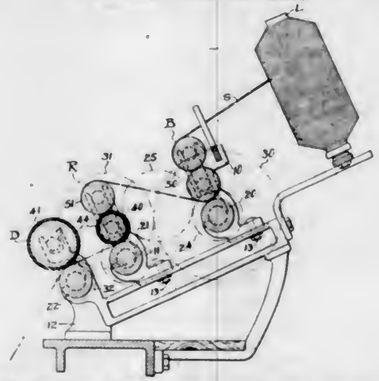
1. The method of coating particles of pulverulent material with a dispersing agent comprising adding the dispersing agent to a mass of the pulverulent material, introducing the mixture of pulverulent material and dispersing agent into a chamber, heating the mixture of dispersing agent and pulverulent material in an atmosphere of carbon dioxide to volatilize the dispersing agent while maintaining a pressure of between 25 and 100 lbs. per square inch in said chamber, cooling the pulverulent material and restoring the pressure in the chamber to atmospheric pressure, whereby the dispersing agent is caused to coat the particles of the pulverulent material.

2,067,061
HEAT TREATMENT OF COMPOSITE BEARINGS
Chester C. Moffatt, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application May 18, 1936, Serial No. 80,464
5 Claims. (Cl. 148—13)



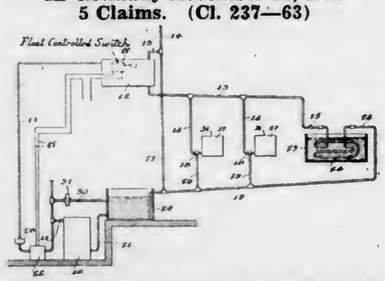
1. In the manufacture of bearings comprising a reinforcing shell and a lining formed of a lead base alloy, the step of subjecting the bearing to heat-treatment in which a uniform temperature of from 300° to 350° F. is maintained for a period of from 3 to 20 hours and then gradually reduced to normal temperature.

2,067,062
DRAWING MECHANISM FOR SUBSTANTIALLY ELONGATED FILAMENTS
John G. Oswald, Woonsocket, R. I., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application October 21, 1935, Serial No. 46,011
4 Claims. (Cl. 19—130)



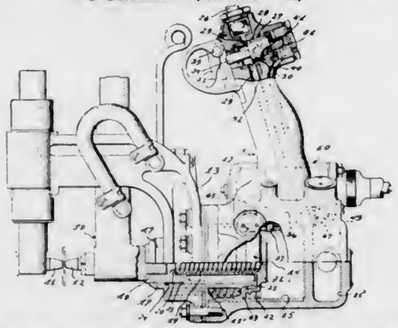
1. Mechanism for drawing and breaking a sliver of substantially elongated filaments into a reduced sliver of staple fibers of shorter and substantially uniform length, comprising means for applying substantial tension to said filaments, a set of front delivery rolls, a plurality of cooperating holding rolls positioned between said tensioning means and said front delivery rolls, one holding roll and one delivery roll being positively driven, and the holding roll which engages the upper surface of said driven holding roll having a yielding rubber surface engaging said substantially elongated filaments and substantially preventing slipping thereof relative to said driven holding roll.

2,067,063
HEATING PLANT
Richard Pabst, Wurzburg, Germany
Application May 22, 1935, Serial No. 22,866
In Germany November 12, 1929
5 Claims. (Cl. 237—63)



1. A heating system comprising a boiler having an outlet adjacent the top thereof, a hot water supply tank open to the atmosphere and connected to the outlet of the boiler and disposed in an elevated position, a heat exchanging member in a plane below the supply tank, a pipe connecting the member with the supply tank, a control valve in said pipe, a return pipe connected to the member, a reservoir open to the atmosphere and disposed in a plane above the boiler and below the member, said return pipe discharging into said reservoir, a pipe connecting the reservoir with said boiler, and a pump for forcing water from the boiler to the supply tank.

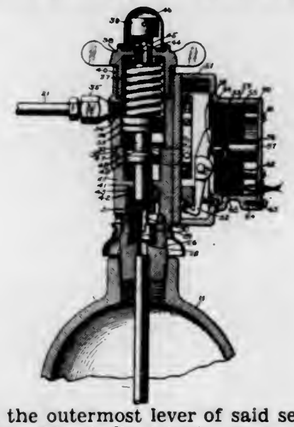
2,067,064
WELDING DEVICE
Henry Thomas Platz, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 20, 1933, Serial No. 690,250
9 Claims. (Cl. 219—4)



9. In an electric welding machine, a cylinder, a piston in said cylinder, a movable electrode operatively connected to said piston, a fluid pressure operated valve controlling the flow of fluid pressure to the cylinder, a switch for controlling an electric circuit to said electrode, and fluid pressure means controlled by movement of said piston for actuating said switch to close and open the circuit to the electrode in timed relation to the operation of said valve.

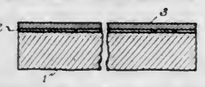
2,067,065
DISPENSING DEVICE
Daniel Mapes, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application July 14, 1934, Serial No. 735,149
4 Claims. (Cl. 221—73.5)

1. A release device for fluids under pressure having a frangible disc to confine a medium under pressure, a body member provided with an outlet, a cutter stem movable in the body member a cutter on the stem to rupture the disc, a spring to urge the cutter normally toward the disc, a spindle rotatably mounted in the body member, a catch on the cutter stem engaging the spindle, means to prevent movement of the spindle, said means comprising a series of normally engaged levers mounted on the body member and adapted to move into disengagement when the levers are



released, the outermost lever of said series being secured to said spindle, tripping means for holding the innermost lever of the series against the transmitted force of the spring normally urging the cutter toward the disc, an electro-magnetic coil mounted adjacent said tripping means, and an element controlled by said coil and arranged to trip said tripping means upon energization of the coil, whereby the cutter is released to rupture the disc to release the pressure medium.

2,067,066
COATED MATERIAL
Clifton F. Schmidt, Jr., and George L. Ball, Pittsburgh, Pa.
Application June 19, 1933, Serial No. 676,540
2 Claims. (Cl. 215—37)

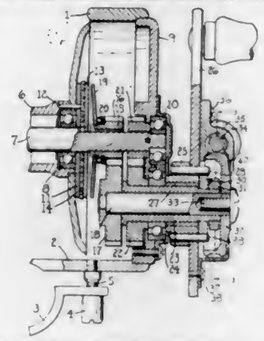


1. A single piece liner for use in container cap closures composite of an absorbent and compressible fibrous or pulpous board base and a double coating of diverse layers covering one face of said absorbent and compressible base; the said coating comprising an elastic primarily clear and non-penetrating stop coat of nitrocellulose film together with an oxidized alcohol-soluble and alcohol-containing linseed oil of but slight polymerization forming a stop coat anchored to the absorbent base, and an elastic impermeable contact coat of coating material comprising a modified ester gum and oil resin heat cured to a condition of relative insolubility overlying the said stop coat and separated from the absorbent and compressible base thereby.

2,067,067
FISHING REEL
William Shakespeare, Jr., Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich.
Application January 15, 1936, Serial No. 59,206
19 Claims. (Cl. 242—84.5)

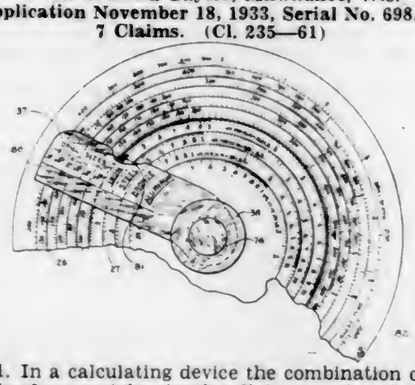
1. In a fishing reel, the combination with a frame and spool, of a driving means for said spool

including a combined friction clutch and brake, a crank having lost motion driving connection with said combined fricton clutch and brake, means for controlling said combined friction clutch and brake operatively associated with said crank to be actuated during the lost motion movement of the



crank relative to its said driving connection tc said clutch and brake, and means for adjusting the braking action comprising an adjusting worm pinion and a coacting worm on said crank provided with a finger piece, said worm pinion being provided with indicia indicating the adjustment thereof.

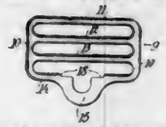
2,067,068
CALCULATOR
John Leonard Taylor, Milwaukee, Wis.
Application November 18, 1933, Serial No. 698,595
7 Claims. (Cl. 235—61)



1. In a calculating device the combination of a pair of concentric, circular dials, one of said dials being rotatable relatively to the other, said dials having spaced divisions thereon, the spaces being proportional to varying values to be calculated, means for moving one of said dials including a stationary cam member, a carrier member, and a relatively movable follower member carried by said carrier member, said follower member being arranged to be caused by said cam to slide on said carrier member so as to move in an orbit about the axis of said dials, and connections from said follower for rotating said rotatable dial.

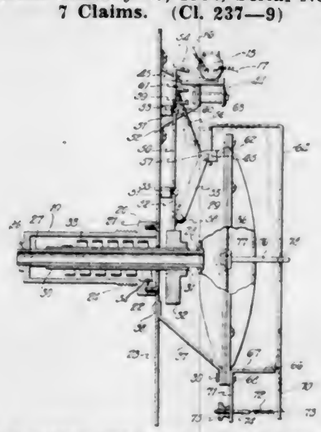
2,067,069
SUSPENDER SLIDE
Jerome G. Wolff, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 7, 1936, Serial No. 62,765
3 Claims. (Cl. 24—73)

1. A sheet metal buckle comprising a strap-attaching element, a button-engaging loop element, and connecting elements integrating the loop and strap engaging elements, all of said elements having marginal portions rolled out of the general plane of the buckle to stiffen its structure, the



stiffening marginal part of the button-engaging loop being rolled in a direction opposite to that of the stiffening parts of the remainder of the buckle.

2,067,070
HEATING SYSTEM
Frederick E. Wooley, Manasquan, N. J.
Application January 13, 1934, Serial No. 706,469
7 Claims. (Cl. 237—9)

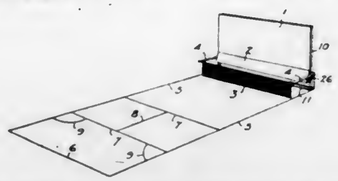


1. In a steam heating system, a heat transfer medium, a source of heat, means responsive to variations in conditions of an area to be heated for effecting forced firing of said source of heat when the temperature of said area falls below a predetermined value, means responsive to temperatures of the heat transfer medium for terminating the forced firing of the source of heat when the temperature of said medium rises to a predetermined amount, the pressure corresponding thereto being sufficient to purge the system of air and for allowing subsequent forced firing of the source of heat, and pressure actuated means responsive to pressures within the system for varying the temperature at which said last named means acts in accordance with variations in said pressure.

4. A combined temperature and pressure operated control device comprising in combination, a tripping device including spaced apart tripping members movable in opposite directions to effect their respective tripping actions, one of said members being movable relative to the other, temperature responsive means for operating said tripping members as a unit, and pressure responsive means for determining the magnitude of movement of said movable tripping member to effect a tripping operation.

2,067,071
BATTLE BOARD TENNIS GAME
Mary K. Browne, Willoughby, Ohio
Application December 31, 1935, Serial No. 56,869
16 Claims. (Cl. 273—29)

1. A game equipment, comprising a back board, a bottom board having a surface in angular relation with said back board, and a net spaced from said bottom board and over which a projectile rebounding from either of said boards may be made to pass.



16. A game equipment, comprising in combination, a firm back board that is unyielding under impact and that has a substantially plane surface, a bottom board that is unyielding under impact and that has a substantially plane surface that is disposed in angular relation with the plane of the surface of said back board, means for supporting said back board, means for adjustably supporting said bottom board, a net disposed in spaced relation from said bottom board, and net supporting means adapted for being folded back into a plane that is substantially adjacent to the plane of said back board.

2,067,072
ELECTRICAL SAFETY RAZOR
Peter A. Caporale, Watertown, Mass.
Application September 28, 1933, Serial No. 691,314
Renewed February 28, 1936
15 Claims. (Cl. 30—45)

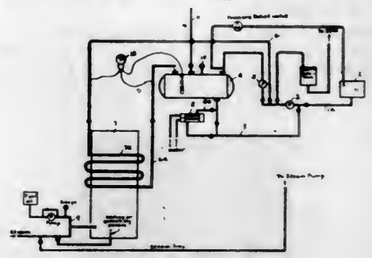


2. An electrical safety razor comprising complemental guard and clamp plates, a blade detachably gripped between said plates, a solenoid core connected rigidly to one of said plates with its length transverse to the plane of said blade, and a handle containing a solenoid winding into which said core passes lengthwise to an extent such that it is impelled inward by magnetic flux in said coil.

2,067,073
HEAT POLYMERIZATION
William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, a corporation of Pennsylvania
Application February 17, 1936, Serial No. 64,334
8 Claims. (Cl. 260—7)

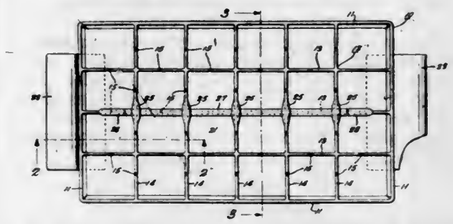
1. The herein described polymerization step in a method of producing resin of high quality from the polymerizable reactives more reactive than coumarone and indene contained in a crude solvent naphtha, which comprises subjecting a crude solvent naphtha containing in substantial proportion such reactives in the absence of oxygen and in the absence of a polymerization-promoting re-

agent to a relatively prolonged heat treatment at a temperature gradually raised to substantially



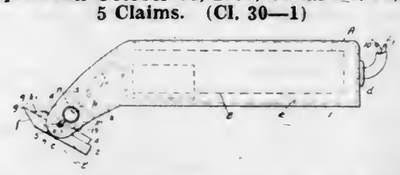
above 200° C. and at no time substantially exceeding 250° C.

2,067,074
FREEZING TRAY
Ralph H. Chilton, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 26, 1934, Serial No. 712,885
6 Claims. (Cl. 62—108.5)



1. A freezing tray comprising: a bottomless flexible rubber grid and side walls attached thereto, and a flexible sheet metal bottom attached to the lower edge of said side walls by a leakproof joint, the lower edges of the grid walls normally resting upon said metal bottom but adapted to be pulled upwardly therefrom by distortion of the rubber walls.

2,067,075
VARIABLE SHEAR HAIR CLIPPER
Edward A. Clark, Saline, Mich.
Application October 14, 1935, Serial No. 44,851
5 Claims. (Cl. 30—1)



1. A clipper of the class described comprising a casing forming handle and head portions and having spaced side walls, a comb plate having a toothed edge, means pivotally connecting said plate to said side walls adjacent the head about an axis passing through said plate and parallel with said toothed edge, a cutting blade having face to face engagement with said plate, said blade being positioned between the handle and said plate and pivoted about an axis parallel to and spaced from said first mentioned axis, and means for oscillating said blade longitudinally of said plate.

2,067,076

METHOD OF CONTROLLING GRAIN STRUCTURE IN ALLOYS AND ARTICLES PRODUCED THEREBY

Charles M. Craighead, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 14, 1934, Serial No. 711,216
16 Claims. (Cl. 148—4)



3. As an article of manufacture, a metal object having a decorative grain structure characterized by arrangement of large and small crystalline grains in accordance with a design motif.

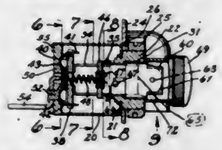
15. In a process of producing a worked and thermally treated metal article having a composition subject to excessive grain growth under the conditions of production, the step of controlling grain growth comprising subjecting at least a portion of the surface of the substantially completely worked article to a surface treatment which penetrates any surface film thereon and superficially roughens the metal, and subjecting the article to thermal treatment.

2,067,077

LAMP SWITCH

William Correll Edwards, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 8, 1935, Serial No. 35,309
7 Claims. (Cl. 240—8.16)



7. A lamp device adapted to be mounted on an instrument panel, comprising in combination, a housing, a terminal support provided with a stationary contact carried by the housing, a bushing, a socket member rotatably supported in the bushing, a floating contact yieldably supported within the housing and adapted to be rotated by the socket member to engage the stationary contact, a lamp carried by the socket member, resilient means for electrically connecting the lamp with the floating contact and for urging the floating contact against the terminal support, and a knob provided with an illumination opening and having a driving engagement with the socket member to rotate the same and the floating contact into engagement with the stationary contacts whereby the rays of light will pass through the opening to illuminate the instrument panel.

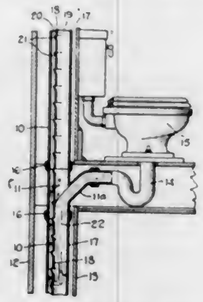
2,067,078

SOIL AND VENT PIPING

Herbert Alfred Faber, Cincinnati, Ohio

Application March 21, 1936, Serial No. 70,082
11 Claims. (Cl. 4—211)

1. A piping system comprising a vertically extending material-flow-conduit, an air conduit co-extensive lengthwise with said material-flow-conduit, openings affording communication between said conduits, said openings being disposed



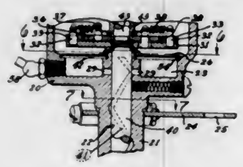
at frequent intervals along the length of the conduits, and means disposed at each opening for deflecting the flowing material from passage through the opening into the air conduit.

2,067,079

DISTRIBUTOR LUBRICATION

John T. Fitzsimmons and James L. Arthur, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 15, 1933, Serial No. 666,260
3 Claims. (Cl. 308—121)



1. In an ignition distributor having a rotatable shaft, the combination comprising; a cup-shaped housing having an annular ledge; tubular extensions on each side of the bottom wall of the housing, said extensions being bored to provide a bearing for the shaft; grooves formed on the interior of bearing wall; a shoulder formed on the exterior surface of the extension within the housing; a cup-shaped disc having spaced annular flanges secured within the housing, the inner flange press-fitted on the outside of the shoulder of the extension and the outer annular flange press-fitted inside the annular ledge on the inner wall of the housing to provide a lubricant tight confining chamber, the enclosed extension providing cross passages by which lubricant in the confining chamber is conveyed to the grooves to lubricate the shaft surface; and means having access outside the housing for introducing lubricant under pressure into the chamber.

2,067,080

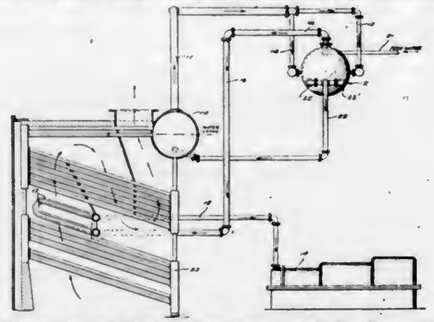
METHOD AND APPARATUS FOR PURIFYING WET STEAM

Edward M. Frankel, New York, N. Y.

Application December 7, 1935, Serial No. 53,318
7 Claims. (Cl. 122—459)

1. The method of purifying wet steam and of boiler operation which consists in first washing the steam, then condensing a portion of same to form a condensate by passing said steam in in-

direct thermal contact with the boiler feed water, then using said distillate as the washing



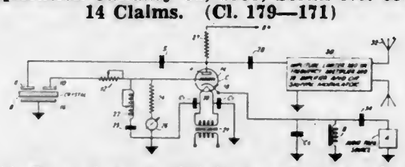
medium in said washing step and feeding the thus heated boiler feed water to the boiler.

2,067,081

MODULATION OF OSCILLATIONS

Hallan Eugene Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1933, Serial No. 654,372
14 Claims. (Cl. 179—171)



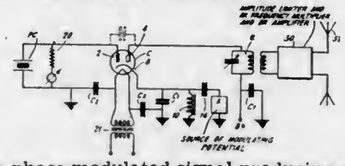
11. In a phase modulation system, an electron discharge tube having an anode, a cathode, and a control grid, an alternating current circuit in which unmodulated wave energy flows, connected with the control grid of said tube, a direct current impedance connecting said control grid to ground, an alternating current circuit in which wave energy modulated substantially in phase only may flow connected with the anode of said tube, an alternating current impedance connected between the cathode of said tube and ground to raise said cathode above ground potential for alternating current potentials, and means for impressing substantially phase modulations only on said wave energy comprising a source of modulating potentials connected with said alternating current impedance.

2,067,082

PHASE MODULATION

Hallan Eugene Goldstine, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 11, 1933, Serial No. 679,916
16 Claims. (Cl. 179—171)



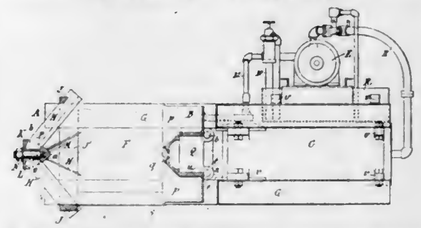
1. In phase modulated signal producing means, a thermionic vacuum tube having a control grid electrode, an anode and a cathode, frequency determining means connected between the control grid and cathode of said tube, a tunable circuit connected with the anode of said tube to produce oscillations in said tube and said frequency determining means, a leakage path between the grid electrode of said tube and ground, said leakage path including a resistance which determines the potential of said grid electrode relative to ground, a modulating potential impedance connecting the cathode of said tube to ground, and a source of modulating potentials connected to said last named impedance to vary the potential of said cathode relative to ground in accordance with said modulating potentials.

2,067,083

BALE CUTTING MACHINE

Dimitry J. Gregory and Carl F. Schnuck, New Haven, Conn., assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut

Application August 16, 1932, Serial No. 629,004
9 Claims. (Cl. 164—36)



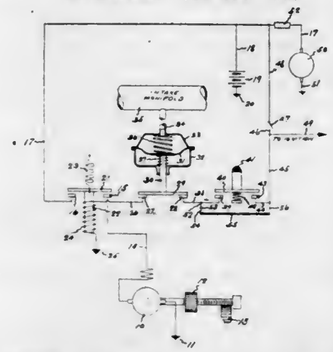
1. A horizontal bale cutting machine having a cutting head with knives supported thereon, leaving free spaces between the knives, a stationary frame having tie members, a movable platen, a hydraulic ram for moving the platen, the cutting head and the cylinder of said ram made fast to said tie members and the platen guided by and between said tie members.

2,067,084

CONTROL APPARATUS FOR ENGINE STARTERS

Herman L. Hartzell, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

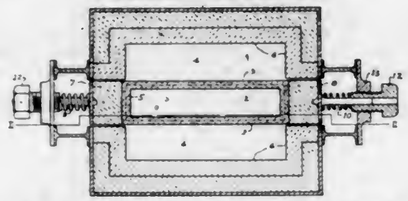
Application August 5, 1933, Serial No. 683,763
23 Claims. (Cl. 290—38)



20. Control apparatus for internal combustion engines comprising, a current source, a starting motor adapted to be operated by current from said source, a starter switch for controlling the connection of said starting motor with said current source, manually operable means for causing closing of said starter switch when the en-

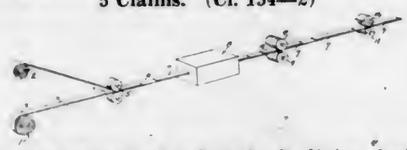
gine is cold and automatically operable means for causing closing of said starter switch when the engine is hot independently of the manually operable controlling means.

2,067,085
RETORT AND RETORT SETTING
Clarence E. Hawke, Metuchen, N. J., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 30, 1935, Serial No. 47,381
7 Claims. (Cl. 263—37)



1. In retorts having opposite side walls for heat transmission and supporting end walls, the method of reducing gas or vapor leakage which comprises subjecting the end walls to pressures tending to compress the side walls in a horizontal direction.

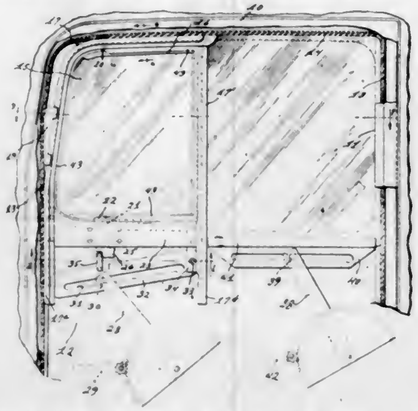
2,067,086
BRAKE LINING DEVICE
Allan C. Hoffman, Englewood, N. J., assignor to Hoffman Brakes, Inc., New York, N. Y., a corporation of New York
Application June 12, 1935, Serial No. 26,102
5 Claims. (Cl. 154—2)



1. The method of making brake lining devices, which method comprises effecting the continuous advance of a continuous strip of friction material and a continuous strip of metal in superimposed relation, applying pressure to the advancing assembly temporarily to bond the two materials to each other, on continued advance of the assembly removing the friction material at predetermined intervals and subsequently subjecting the assembly to heat treatment to cure the friction material and effect a permanent bond between the two materials of the assembly.

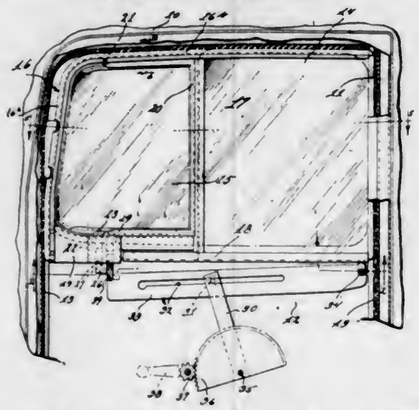
2,067,087
VEHICLE VENTILATING WINDOW
Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application October 30, 1933, Serial No. 695,903
Renewed May 29, 1936
4 Claims. (Cl. 296—44)

1. In a ventilating window structure for vehicle bodies having a window opening, a frame slidable into and out of registration with the window opening, a panel pivotally mounted in said frame on substantially vertically arranged pivots located intermediate the vertical edges of said panel, said pivoted panel occupying a portion of said window opening, a sliding panel to the rear of said pivoted panel and occupying the rear part of the window opening to form with the pivoted panel a composite window opening closure, the adjacent portion of said frame forming a guide for one edge of said sliding panel, a window lifter mechanism for



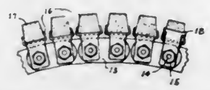
raising and lowering said frame, and means operated by said window lifter mechanism when said frame is in registration with the window opening for angularly adjusting said pivoted panel.

2,067,088
VEHICLE VENTILATING WINDOW
Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application December 18, 1933, Serial No. 703,008
10 Claims. (Cl. 296—44)



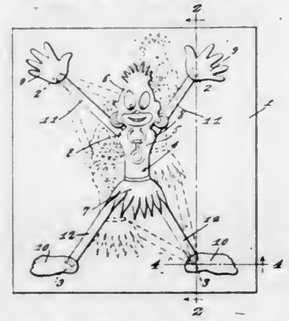
1. In a regulator mechanism for a vehicle window ventilator having a window movable vertically to and from closed position, a panel at one side edge of said window and movable with said window, and a mounting for said panel affording swinging movements thereof on a vertically disposed axis when in raised position, said regulator mechanism comprising a device for conjointly raising and lowering said window and panel, an arm pivotally connected to the window on an axis disposed at substantially right angles to the axis of said panel, means to impart swinging movement to said panel from a rocking movement of said arm, and means actuated by said device for rocking said arm.

2,067,089
YIELDABLY MOUNTED ABRASIVE ELEMENTS
Henry P. Kirchner, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application May 22, 1934, Serial No. 726,960
8 Claims. (Cl. 51—188)



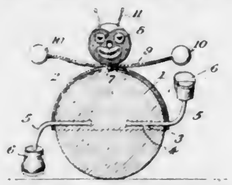
1. An abrasive device comprising an endless belt composed of links which are mounted for relative movement on parallel rods, a plurality of abrasive carriers each of which is rotatably mounted on a single one of said rods, and rigid abrasive elements clamped in said carriers, each element being held at a constant distance from the rod that supports its carrier.

2,067,090
NOVELTY
Jasper Likes, Long Beach, Calif.
Application February 24, 1936, Serial No. 65,461
2 Claims. (Cl. 46—135)



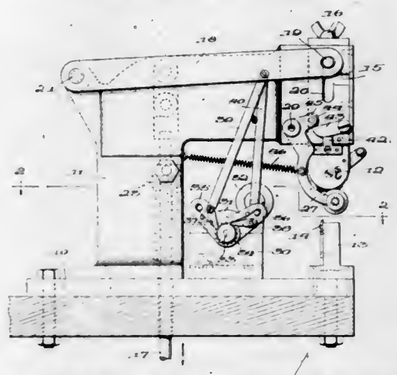
1. A novelty comprising a panel having openings, a figure positioned over one face of the panel, and including head and body portions, and an operating means actuated from the other face of the panel and extending through the openings and connected to the body portion for supporting the figure adjacent the panel free to move relative thereto and providing arms and legs for the body portion of the figure.

2,067,091
FIGURE TOY
Jasper Likes, Long Beach, Calif.
Application March 4, 1936, Serial No. 67,144
5 Claims. (Cl. 46—105)



1. A toy comprising a ground engaging body, a shell disposed about the body, leg members connecting the shell with the body, arm and head members secured to the shell, and a handle secured to and extending from the shell for rolling the body along the ground to rotate the same and the leg members accordingly.

2,067,092
MARKING MACHINE
Charles Henry Maiben, Logansport, Ind.
Application October 8, 1934, Serial No. 747,433
11 Claims. (Cl. 101—321)



4. A marking machine comprising a supporting frame, a work support, a printing member mounted in the frame for movement toward and away from the work support, actuating means for the printing member, an inking roller, and cam means engageable by the printing member as the same moves away from the work support to force the inking roller into bearing contact with the type of the printing member.

2,067,093
STRAP SEAL
Francis L. McGary, Hardinsburg, Ky.
Application October 8, 1931, Serial No. 567,695
3 Claims. (Cl. 24—23)

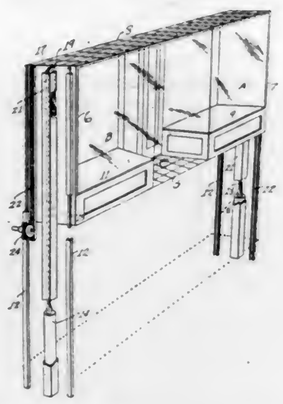


1. An elongated channel shaped clip for sealing straps or hoops, comprising a body portion and two parallel flange portions forming the sides of the channel and defining at their junction two parallel corner edges each corner edge having a plurality of parallel slits therethrough transversely of the length of the clip, said slits extending into the body portion and into the flange to define portions of the clip to be distorted in application of the clip to a strap or hoop the adjacent edges of the slitted portions being in contact throughout the length of the slits.

2,067,094
DISPLAY DEVICE
Harry Miles, Ramona, Calif.
Application June 4, 1935, Serial No. 24,948
3 Claims. (Cl. 20—40.4)

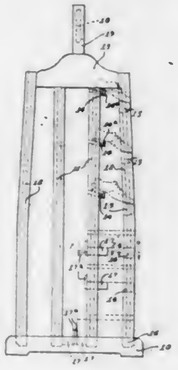
1. In a device of the character described, a rectangular structure having a store front built therein and comprising show windows and a centrally disposed entrance way, and counterweighted means for supporting said rectangular

structure adjacent the front of a building, whereby said device may be elevated to form a



closure for said building or depressed to give access to the entire front of said building.

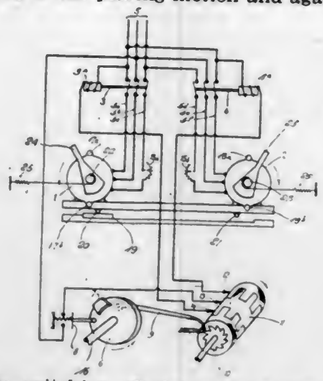
2,067,095
SHOE RACK
William C. Pease, The Dalles, Oreg.
Application September 18, 1934, Serial No. 744,603
5 Claims. (Cl. 211—34)



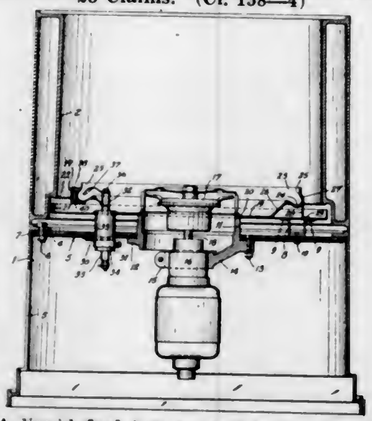
1. A shoe rack having means for supporting the toes of the shoes, means for supporting the heels of the shoes and means for pivotally adjusting one of the supporting means independently of and about a center distant from the other supporting means.

2,067,096
ELECTRIC DRIVE FOR THE PICKING DEVICES FOR LOOMS
Fernand Phily, Lyon, France
Application July 13, 1933, Serial No. 680,320
In Germany July 14, 1932
7 Claims. (Cl. 139—142)

1. An electric drive for the picking device of a loom comprising an electric motor having a rotor, a picking stick attached to the rotor of said motor for rotation therewith, said loom having a driving shaft, and means controlled by said shaft for automatically switching on the motor at the beginning of the picking motion and again automatically switching off the motor at the end of the picking motion.



2,067,097
LIQUID FUEL BURNER AND HEARTH
Milton A. Powers, Detroit, Mich., assignor to The Timken Silent Automatic Company, Detroit, Mich., a corporation of Michigan
Application June 12, 1933, Serial No. 675,341
28 Claims. (Cl. 158—4)

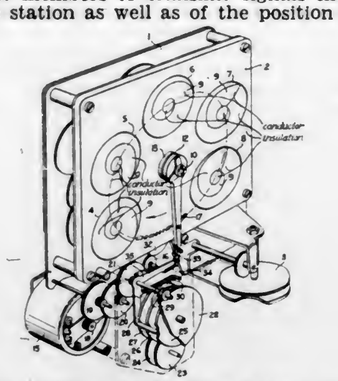


1. A liquid fuel burner and hearth construction comprising a base plate having a central opening, a collar mounted in said opening, oil distributing mechanism supported by said collar and projecting into the combustion chamber, brackets on said base plate, a hearth plate mounted on top of said brackets, and a burner ring mounted on said hearth plate.

2,067,098
ELECTRICAL SIGNALING SYSTEM
Sumner Barnes Rogers, London, England
Application October 15, 1935, Serial No. 45,147
In Great Britain May 24, 1934
8 Claims. (Cl. 177—351)

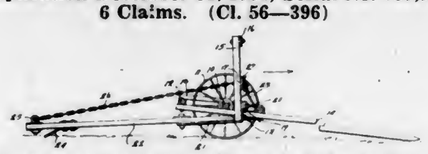
1. In combination in an electrical signaling system, a line, a station on said line, variable contact members movable to different positions, fixed contact members indicative of said station, a movable member arranged to engage said contacts successively, a motor, coupling means forming a mechanical link between said motor and said movable member for causing said movable member to successively engage said

contact members to transmit signals indicative of the station as well as of the position of said



variable members, and timing means driven by said motor for controlling said driving means.

2,067,099
DISCHARGING ATTACHMENT FOR HAY SWEEPS
Albert C. Schilling, Avon, Mont.
Application December 31, 1934, Serial No. 759,976
6 Claims. (Cl. 56—396)

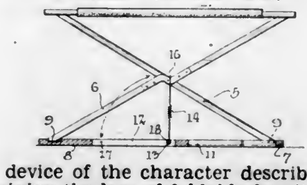


1. A sweep rake including parallel rake teeth, members connecting said rake teeth to each other and including an axle and a rear transverse member attached to the rake teeth and wheels mounted upon the axle, an ejector comprising a plurality of vertical members, transverse members connecting said vertical members, certain of the teeth passing between the vertical members of the ejector, a rearwardly extending beam attached to the ejector and having a ground engaging downwardly and rearwardly extending prong at its rear end, a taut element connected at its rear end to the rear end of said beam and extending upward and forward at an inclination above the connecting member on the rear ends of said teeth and attached at its forward end to one of the transverse members of the ejector, a rearward movement of the rake frame causing the rear transverse member of the rake frame to engage said element as the rake teeth approach their fully retracted position and thus automatically depress the rear ends of the rake teeth and simultaneously lift the rear end of the beam and its prong from the ground.

2,067,100
ORGANIC MERCURY SILICATE AND PROCESS OF PREPARING SAME
Fritz Schönhöfer, Wuppertal-Elberfeld, and Wilhelm Bonrath, Leverkusen-I. G. Werk, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 16, 1935, Serial No. 2,118. In Germany January 20, 1934
10 Claims. (Cl. 260—13)

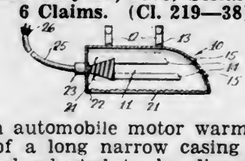
1. Organic mercury compounds in which one valency of the mercury is attached to an organic radical and the other mercury valency is linked to the radical of a silicic acid.

2,067,101
LEG SUPPORTING DEVICE
James T. Shaw, Berkeley, Calif.
Application December 30, 1935, Serial No. 56,773
1 Claim. (Cl. 248—192)



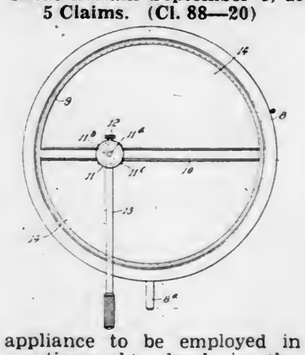
In a device of the character described, means for retaining the legs of foldable furniture in extended position, said means including a pair of spaced earth contacting elements, each having a recess formed therein, and a spreader formed integral with each of said earth contacting elements, and a resilient fastening device pivotably supported substantially midway of said spreader, and having a hooked extremity capable of engaging the legs of said furniture.

2,067,102
AUTOMOBILE MOTOR WARMER
George W. Simon, Hollidays Cove, W. Va.
Application July 10, 1936, Serial No. 89,995
6 Claims. (Cl. 219—38)



1. In an automobile motor warmer, the combination of a long narrow casing open at the bottom and adapted to be disposed over the motor of a vehicle, means supporting said casing in operative position, an electrical socket extending through one end of said casing adapted to support a heating unit within said casing, an electrical conductor connected to said socket, a pair of louvres extending along the sides of said casing and a protective screen supported on the open bottom of said casing.

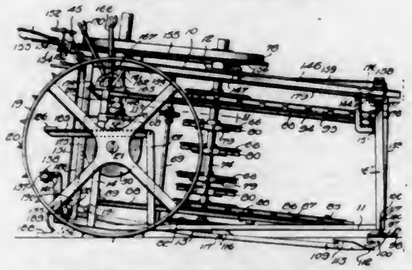
2,067,103
MEANS OR DEVICE FOR INVESTIGATING, CORRECTING AND DEVELOPING THE POWER OF HUMAN VISION
Robert Brooks Simpkins, Edgbaston, Birmingham, England
Application September 4, 1934, Serial No. 742,680
In Great Britain September 6, 1933
5 Claims. (Cl. 88—20)



1. An appliance to be employed in investigating, correcting and/or developing the power or ability of human vision comprising a relatively fixed annulus, a ring rotatable on and disposed

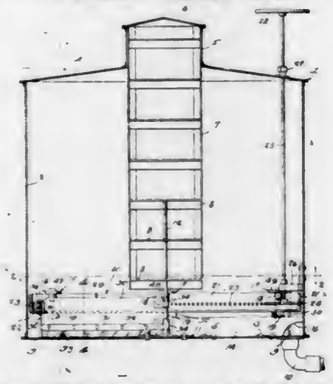
within said annulus, a bar carried by and disposed diametrically of said ring, a carrier slidable along said bar, said bar conforming in shape to the surface of a sphere, a stem extending forwardly from said carrier, and a focal member carried by said stem.

2,067,104
STALK CUTTER
Perry W. Spell, Roseboro, N. C.
Application May 8, 1935, Serial No. 20,458
24 Claims. (Cl. 55—62)



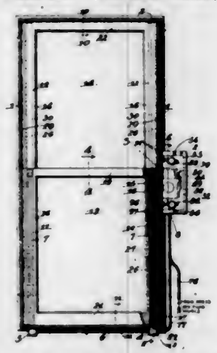
1. A stalk cutter comprising a frame having forward and rear ends, supporting wheels for the rear end of said frame, stalk cutting means carried within said frame, supporting shoes for the forward end of said frame engageable with the surface of the ground, said shoes being spaced apart for the passage of stalks therebetween to guide the stalks to said stalk cutting means, and means connecting said shoes to said frame to permit them to swing on axes substantially transversely of said frame.

2,067,105
TANK CLEANING DEVICE
Edward F. Stevens and Featherston H. Allen, Ada, Okla.
Application April 29, 1936, Serial No. 77,067
2 Claims. (Cl. 210—206)



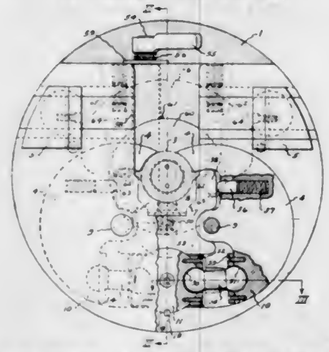
1. In an oil tank cleaner, a tank having a bottom provided with an outlet, a ladder extended downwardly into the tank and spaced from the bottom of the tank, a fixed shaft mounted at its upper end on the ladder and mounted at its lower end on the bottom of the tank, a scraper, means for mounting the inner end of the scraper on the shaft for swinging movement over the bottom of the tank and underneath the lower end of the ladder, toward and away from the outlet, and means for imparting swinging movement to the scraper.

2,067,106
ELECTROPNEUMATICALLY OPERATED WINDOW
Armen H. Tashjian and Dean H. Holden, Cleveland, Ohio, assignors, by mesne assignments, to Dean H. Holden, Cleveland, Ohio
Application September 24, 1934, Serial No. 745,338
9 Claims. (Cl. 268—125)



1. A sash, a lock plunger on which the sash is capable of being supported in a raised position, means into which a definite amount of pressure fluid is admissible to preliminarily lift the sash from the lock plunger and then form a diminishing cushion by leakage from said means, and means to withdraw the lock plunger during the preliminary lifting of the sash.

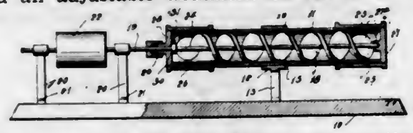
2,067,107
CRANKSHAFT CHUCK
Harold A. Tomkins, Jackson, Mich.
Application February 23, 1935, Serial No. 7,828
18 Claims. (Cl. 82—40)



1. In a device of the character described the combination of a chuck body having a plurality of pairs of clamping jaws, operating mechanisms for said jaws, means adjustably mounted in said body for movement into engagement with the work in said device arranged for rotatively aligning the same and means for actuating said mechanisms.

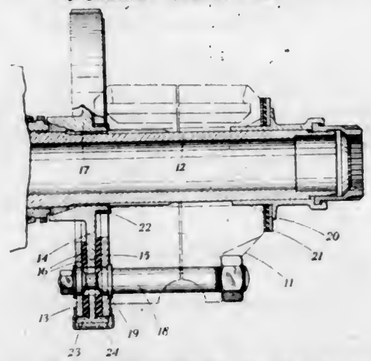
2,067,108
AUGER CIRCULATING PUMP
David B. Upton, Escobas, Tex.
Application April 14, 1936, Serial No. 74,354
1 Claim. (Cl. 103—89)

A pump of the class described, having a barrel, an inlet head and an outlet head screwed thereon at opposite ends, end discs screwed in said heads, an auger piston operating within the barrel, said piston having a shaft, an inside bearing on one of said discs for said shaft, said shaft passing through the other disc, a packing gland for the shaft on the latter disc, and an adjustable abutment on the shaft en-



gaging the interior wall of the last mentioned disc, a driving pulley on said shaft exteriorly of the barrel bearings for said shaft on opposite sides of said driving pulley to relieve the pump of strain, a bracket clamped to the barrel, and a supporting base for said bearings and bracket.

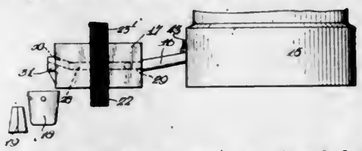
2,067,109
ELASTIC COUPLING BETWEEN AN AIR SCREW HUB AND A CO-AXIAL DRIVING SHAFT
Spirito Mario Viale and Hamilton Neil Wylie, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England, a British company
Application January 10, 1936, Serial No. 58,590
In Great Britain June 7, 1934
6 Claims. (Cl. 170—177)



1. A means for coupling an air screw hub member to a drive shaft comprising at least three longitudinally-spaced co-axial plates, rubber discs adhesively secured between the adjacent surfaces of said plates, and bolts connecting the outside plates to one another for movement in unison and connecting them also to said hub, said bolts passing through clearance holes in said rubber discs and in the intermediate plate, and means for securing said intermediate plate to the shaft against movement relative to the said driving shaft.

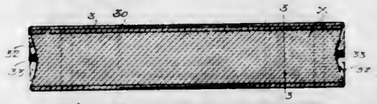
2,067,110
SUPERHEATING INDUCTION FURNACE
James R. Wyatt, Camden, N. J., assignor to Ajax Electric Furnace Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 29, 1934, Serial No. 717,994
13 Claims. (Cl. 13—2)

1. The method of superheating molten metal, after it has left a furnace in which the molten metal is contained, which consists in progressing the metal wholly outside the furnace, while fully molten, subsequent to any smelting and subsequent to any refining action, as a continuously flowing unidirectional stream of a cross section having substantial resistance through an inductive heating magnetic field effective for the desired superheating while the molten metal is in motion from the furnace in which the metal was melted to the point of use, thus inducing a secondary current within the stream, and in maintaining a substantial hydrostatic head of molten metal on the stream to avoid interruption of operation due to pinch effect.



8. A fuel melting furnace, a closed launder connected therewith at the point of tapping the fully molten metal therefrom, walls forming a divided closed channel which is entirely filled with molten metal during the operation, connected with the launder at the point of division of the channel and re-connected to feed into an outlet opening, the metal in the channel forming a complete metallic circuit, and a transformer leg and primary thereabout enclosed by the channel, the level of molten metal in the fuel-fired furnace being at all times during the operation of the launder substantially above the outlet opening, whereby the molten metal within the fuel-fired furnace provides a head for the metal in the channel and is superheated inductively wholly outside the fuel-fired furnace.

2,067,111
STOCKING PACKAGE
Harry C. Aberle, Jenkintown, Pa., assignor to H. C. Aberle Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 8, 1933, Serial No. 679,565
5 Claims. (Cl. 206—46)

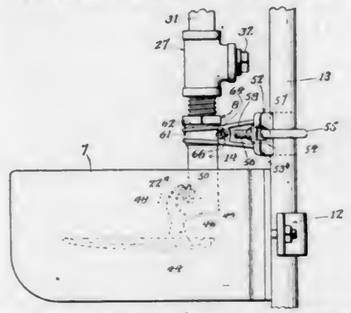


1. An article of commerce comprising a single pair of stockings rolled firmly with the open end portion of one of the stockings forming the outer layer of the roll and retained in a cylindrical package form with successive layers of the roll held against relative movement therebetween, an outer wrapping composed at least in part of transparent material divulging the character of the stockings, means sealing the outer wrapping of the package against direct handling of the stockings, and stiffening means inserted in said open end of the one stocking and segregating one side of the stocking from the underlying layers of the roll while contained within the outer wrapping to resist collapsing of the package and to accentuate the texture of the stocking.

2,067,112
ADJUSTABLE WATER SUPPLY CONTROLLING VALVE ASSEMBLY
Franz H. Ahlman, Morristown, Minn.
Application June 10, 1935, Serial No. 25,906
2 Claims. (Cl. 119—75)

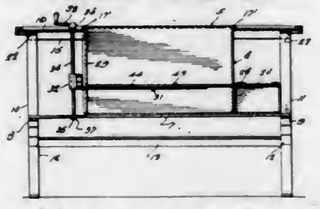
1. In a water supply controlling valve assembly, a vertically disposed tubular housing open at its upper and lower ends and being formed at its lower portion with an outwardly directed flared part having integral with the sides of the latter retainers extending above and below said part,

said retainers, in connection with said part, forming a passage opening into the lower end of the housing, means for connecting a water feed line to the upper end of the housing, a valve normally seating upon and closing the upper end of the housing, said valve being arranged in said means and provided with a spring controlled stem depending in the housing axially of the latter and having its lower end permanently positioned above the lower end of the



housing, and a pressure applied element fulcruming on said part and shiftably connected to the housing by said retainers, said element including a part extending through said passage into the housing to oppose the lower end of the valve stem to provide, on the application of pressure to said element, for the upward movement of the valve stem to open the valve against the action of the controlling spring for said stem.

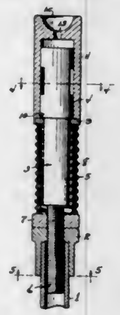
2,067,113
WORKBENCH
Henry Andreana, New York, N. Y.
Application October 31, 1934, Serial No. 750,880
2 Claims. (Cl. 312—146)



1. A workbench comprising a support frame, an elongated rectangular plate supported by said frame constituting a work surface, an open topped, box-like casing disposed intermediate the length of said plate extending from side to side of the frame, said casing having a vertical slot in one of its side walls, a bar carried by said frame extending from one end to the other centrally below said plate to support said casing, a platform movable in said casing, a support for said platform having an arm extending through the mentioned slot, a screw mounted at its respective ends in said bar and plate, said screw engaging the extending end of said arm, and a hand crank fixed on the upper end of said screw whereby said platform may be manually raised and lowered within said casing.

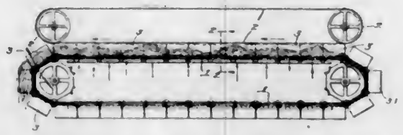
2,067,114
PUSH ROD ASSEMBLY
Charles J. Ashton, Highland Park, Mich.
Application January 30, 1936, Serial No. 61,609
1 Claim. (Cl. 123—90)

A push rod assembly comprising a push rod, a combined sleeve and nut engaging the push rod, a member threaded to said combined nut and sleeve and including a substantially cylindrical portion, a lock nut applied to said member for engaging the combined nut and sleeve, a rocker arm head including a cylinder-like portion slidably receiving the cylindrical portion of said member and having a socket in one end to form



a seat for a ball-type rocker arm adjusting element, said end of the head having an opening to admit lubricant to the interior of the head and to said member, a washer mounted on the member and engaging the other end of the head, and a coil spring mounted on the member and bearing against the washer and the lock nut.

2,067,115
PROCESS OF DRYING TOBACCO
Hermann S. Bogaty, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application February 1, 1936, Serial No. 61,985
4 Claims. (Cl. 34—24)

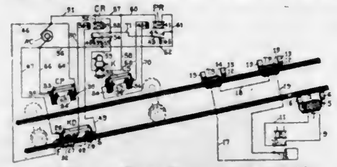


1. The method of drying tobacco which consists in arranging tobacco leaves in overlapping relation to each other in a layer between horizontal vertically spaced foraminous confining surfaces and vertically disposed laterally spaced confining surfaces with the layers of leaves of lesser thickness than the vertical spacing of said horizontal surfaces, passing a current of gaseous drying medium solely in an upward direction through and perpendicular to said foraminous surfaces and the layer of leaves confined therebetween, and effecting relative horizontal movement between said horizontal confining surfaces with the layer of leaves therebetween and the upwardly moving current of drying medium.

2,067,116
TRAIN CONTROL
Ned C. L. Brown, Scottsville, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a corporation of New York
Application April 15, 1922, Serial No. 553,033
40 Claims. (Cl. 246—63)

1. Influence communicating means for automatic train control systems comprising, a car element having two partial magnetic circuits, means for producing a substantially constant

alternating flux in said element, and trackway means including adjustable electrical means for



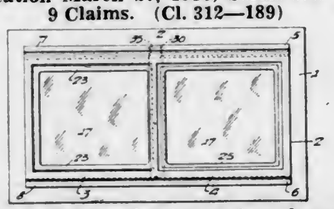
at times shifting flux from one to the other of said partial magnetic circuits.

2,067,117
SEALED CONTAINER
Elizabeth M. Carhart, Clarendon, Va.
Application January 31, 1934, Serial No. 709,229
9 Claims. (Cl. 215—80)



1. The method of sealing a container which comprises providing a source of supply of congealable liquid sealing material between the opposed surfaces of the container and its closure, expelling said liquid from said source by pressure to cause the liquid to flow and congeal between said surfaces.

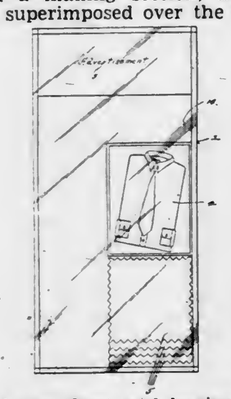
2,067,118
SLIDING DOOR FOR DISPLAY CASES
Harry E. Case, Trenton, N. J., assignor to The Luzerne Rubber Company, Trenton, N. J., a corporation of New Jersey
Application March 27, 1936, Serial No. 71,288
9 Claims. (Cl. 312—189)



1. A display case having a door frame comprising upper and lower members provided with rails, a plurality of doors slidable on the rails in the door frame and overlapping while in closed position, the doors being movable upwardly in the frame for removal, and a sealing member fitted in the upper frame member and engaging the tops of the doors where they overlap when closed to form an air seal at that point between the tops of the doors and the upper door frame member, said sealing member being movable upwardly to permit removal of a door from the case while the door occupies any position in the case.

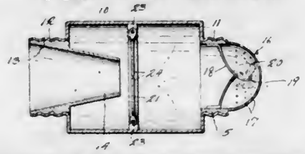
2,067,119
MAILER
Arthur S. Ellner, New York, N. Y.
Application August 1, 1934, Serial No. 737,985
Renewed May 26, 1936
2 Claims. (Cl. 229—87)

1. In a device of the character described, a pair of superimposed oblong sheets one of which has an exposed surface provided with an area delineated thereon in which is located a representation of a predetermined article for sale, and a second area below the first area and in which samples are secured to said one sheet; the other sheet of said pair being divided by a transverse row of perforations into a pair of separable sections including a return order blank section and a mailing section, a transparent cover sheet superimposed over the exposed sur-



face of said one sheet and having longitudinal edge portions folded over the corresponding edges of the sheets of said pair and adhesively united with the second sheet of said pair; the sheets of said pair being mutually separated at their respective opposite ends for the insertion of a carbon between the order blank section and the opposed portion of the first-mentioned one of said pair of sheets.

2,067,120
RHYTHMIC INHALER
Myrtle B. George, Wilkes-Barre, Pa.
Application March 17, 1936, Serial No. 69,371
6 Claims. (Cl. 128—203)

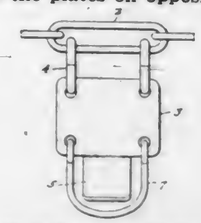


1. A device of the character described, including a tubular barrel having an inlet at one end and an outlet at the other and adapted to be disposed in a nitrous oxide gas line between the source of gas and an inhaler, a ring disposed within the barrel and detachable therefrom, and a pair of semi-circular complemental valves swingingly mounted upon said ring, the free edges of the valves approximating each other when closed, the valves swinging open upon an inhalation of the patient and swinging closed upon an exhalation.

2,067,121
ANTISKID DEVICE
Aaron H. Grout, Burlington, Vt.
Application March 23, 1936, Serial No. 70,508
1 Claim. (Cl. 152—14)

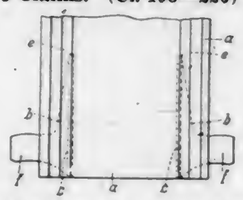
An anti-skid device of the class described comprising a pair of side chains, a pair of rectangular shaped plates loosely connected to said side chains, ground engaging lugs projecting angularly from said plates, the side of said lugs being spaced inwardly from the side of said

plates, substantially U-shaped couplings pivotally connected to the plates on opposite sides of said



lugs, and cross chains connected, at their ends, to said substantially U-shaped couplings.

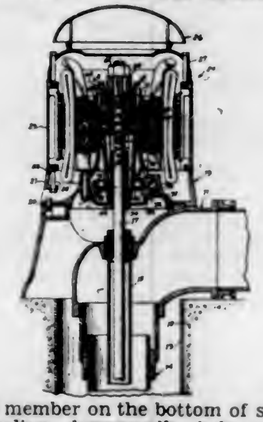
2,067,122
SHAKING CONVEYER
Heinrich Grube, Bochum, Germany, assignor to Gebr. Eickhoff Maschinenfabrik und Eisengiesserei, Bochum, Germany
Application June 16, 1936, Serial No. 85,598
In Germany November 28, 1934
8 Claims. (Cl. 198—220)



1. In combination with a shaking conveyer trough, connecting means including an element comprising two parts projecting transversely from a lateral wall of said trough, one of said parts adapted to be connected to an adjacent trough, said second part secured at one end to said first part and welded at the other end to at least one of the walls of said first trough, said second end gradually decreasing in width in longitudinal direction of said walls at least at one side of said first part so as to merge gradually into said wall.

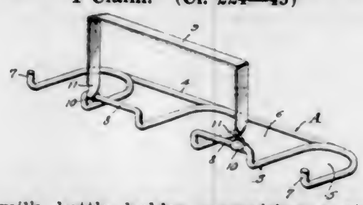
2,067,123
TURBINE PUMP HEAD
James M. Hait, San Marino, Calif., assignor to Food Machinery Corporation, a corporation of Delaware
Application August 22, 1934, Serial No. 740,923
21 Claims. (Cl. 172—36)

1. For use in combination with a turbine pump having a discharge fitting and a vertical pump shaft extending through said discharge fitting, a power unit embodying: a base fitting mounted on said discharge fitting and having a vertical housing surrounding said shaft; a bearing mounted in the bottom of said housing; a hollow shaft supported in said bearing and surrounding said pump shaft; a second bearing having an inner race supported on said hollow shaft at a substantial distance above said first mentioned bearing and having an outer race engaging the interior of said housing; a rotor unit having a hub fitted on the upper end of said hollow shaft, said hub having a downwardly projecting flange engaging the inner race of said second bearing; a driving connection interposed between said rotor and said pump shaft; a stator unit mounted on said base fitting and surrounding said rotor; a lubricant reservoir in said housing below said bottom bearing; means within said hollow shaft operable during the rotation thereof for delivering lubricant from said reservoir to said second bearing, said housing being formed so as to direct lubricant so delivered downwardly over said bottom bearing;



and a skirt member on the bottom of said hollow shaft extending downwardly below said bottom bearing, whereby the lubricant level in said reservoir is maintained below said bottom bearing during the operation of said pump.

2,067,124
BOTTLE HOLDER
Charles D. Hoffman, Fair Oakes, Pa., assignor of twenty-four and one-half per cent to Arthur W. Pettibon and twenty-four and one-half per cent to Max H. Barnett, Rochester, Pa.
Application June 10, 1935, Serial No. 25,883
1 Claim. (Cl. 224—45)

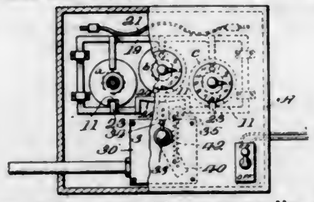


A milk bottle holder comprising a straight member, a second member formed in a plurality of open ended loops, the open ends facing away from the straight member and the closed ends attached to the straight member, and a bail-like handle attached to the second member at points between the open ends of said loops.

2,067,125
COMBINATION LOCK WITH ELECTRICAL SWITCH CONTROL
George T. Hosking, Somerville, Mass.
Application April 25, 1935, Serial No. 18,198
6 Claims. (Cl. 200—43)

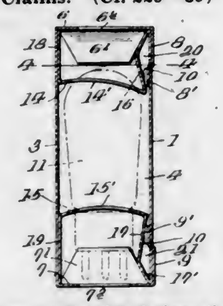
1. The combination with a laterally movable slide bar, yieldable means for normally urging said slide bar in a lateral direction to a predetermined forward position, a pivoted cam member having a free end so positioned as to normally engage the forward side of said slide bar, means for releasably locking said slide bar against rearward movement away from the axis of said cam member in such manner as to normally prevent pivotal movement of the cam member, and means for moving the cam member, of an electric switch having a movable

contact pivotally mounted on an axis which coincides with the pivotal axis of said cam member, and means connected with the cam member for actuating said movable contact, said



slide bar being movable rearwardly from its normal forward position and against the tension of said yieldable means, by pivotal movement of the cam member while the slide bar is unlocked.

2,067,126
CARTON FOR RADIO TUBES
Christian Mowry Knaur, Williamsport, Pa.
Application June 21, 1935, Serial No. 27,808
9 Claims. (Cl. 229—39)



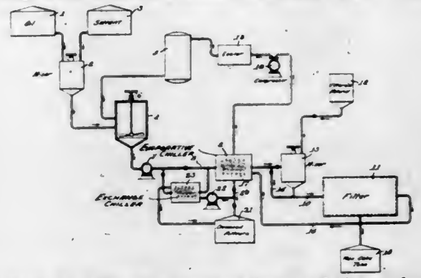
1. A container of the kind described comprising an outer casing, resilient apertured partitions resiliently supported in said casing for movably supporting a radio tube within said casing, said partitions forming pockets, openings formed in said casing aligned with said pockets, apertured members provided with permanently locking tongues cooperating with said openings for closing the ends of said container and for locking the radio tube within said container.

2,067,127
CONDENSATION PRODUCTS OF THE AZABENZANTHRONE SERIES AND PROCESS OF MAKING THE SAME
Max Albert Kunz, Mannheim, and Gerd Kochendoerfer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 30, 1933, Serial No. 663,645. In Germany July 22, 1932
6 Claims. (Cl. 260—40)

4. The class of nitrogenous condensation products consisting of 5-azabenzanthrones containing hydroxy groups and 8-azabenzanthrones containing hydroxy groups.

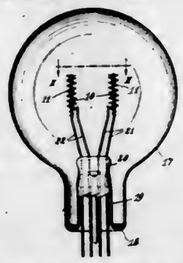
2,067,128
DEWAXING MINERAL OILS
Robert E. Manley, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Refiled for abandoned application Serial No. 581,057, December 14, 1931. This application June 19, 1935, Serial No. 27,371
11 Claims. (Cl. 196—18)

10. The method of dewaxing mineral lubricating oil which comprises mixing the wax-bearing oil with a diluent composed substantially of propane and butane in the proportion of about two parts of diluent to one part of oil, chilling the dilute mixture while flowing in a confined stream in indirect thermal contact with a cold body comprising a portion of said diluent undergoing refrigerative evaporation whereby said dilute



stream is chilled to temperatures of the order of 0° F. and below to solidify the wax, separating the solidified wax from the cold mixture, and refrigeratively vaporizing the diluent contained in said dewaxed mixture while in indirect heat exchange relationship with said confined stream of dilute mixture to impart cooling thereto.

2,067,129
CATHODE FOR DISCHARGE DEVICES
John W. Marden, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 14, 1933, Serial No. 675,671
7 Claims. (Cl. 250—27.5)

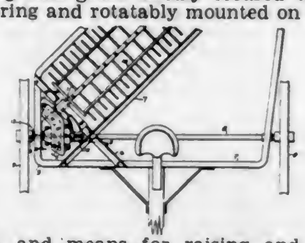


1. An electric discharge lamp comprising a bulb, a press at one end of said bulb, a pair of electrodes disposed in parallel spaced relation, each of said electrodes including a pair of rigid support members extending from said press, a rigid helical coil having one end secured to one of said support members, a coating of electron emission material on said coil, another double helically coiled wire having one end secured to the other support wire and the other end secured to and supported on the free end of said rigid coil.

2,067,130
SIDE DELIVERY RAKE
Alvah E. Rutter, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application September 14, 1935, Serial No. 40,585
12 Claims. (Cl. 56—376)

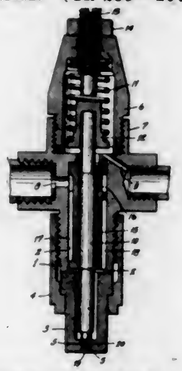
1. The combination, in a rake, of a frame, a driving axle on the frame having a gear thereon, a reel mounted on the frame, a drive shaft mounted on the reel and having a gear thereon meshing with the first mentioned gear and actuated thereby, an inner bearing on the

axle, an outer bearing on the axle, a housing enclosing said gears fixedly secured to the inner bearing and rotatably mounted on the outer



bearing, and means for raising and lowering the reel to rock the drive shaft and gear thereon simultaneously with said housing.

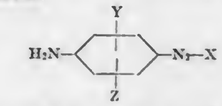
2,067,131
FUEL INJECTOR
Oswald Schlaupitz, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application August 5, 1935, Serial No. 34,701
4 Claims. (Cl. 299—107.6)



1. A fuel injector comprising a body portion having a bore therein, an inlet passageway opening into said bore and a discharge orifice leading from said bore, a plunger mounted in said bore for opening and closing said discharge orifice, and a filter mounted in said bore between said inlet passageway and said discharge orifice, said filter comprising a separate member fitting in said bore and provided with a bore adapted to slidably support said plunger.

2,067,132
SOLID DIAZO SALTS
Karl Schnitzspahn and Wilhelm Koch, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 17, 1933, Serial No. 671,590. In Germany May 21, 1932
5 Claims. (Cl. 260—69)

1. The solid diazo salts corresponding to the general formula:



wherein Y stands for halogen, X means an inorganic anion, and Z stands for one of the group consisting of hydrogen, halogen and alkyl, being very stable and easily soluble in water.

2,067,133
FLUE BAFFLE FOR HEATING APPARATUS
George F. Wales, Buffalo, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application March 28, 1935, Serial No. 13,474
14 Claims. (Cl. 138—38)



1. A baffle structure for flues comprising a plurality of series of plates, the plates of each series being arranged in parallelism, and the plates of one series arranged at an angle to the plates of the other of said series, and the plates of one series secured at their edges to the corresponding edges of adjacent cooperating plates of the other of said series.

2,067,134
INCANDESCENT LAMP
Rolland M. Zabel, Lynnfield, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
No Drawing. Application September 21, 1935, Serial No. 41,555
13 Claims. (Cl. 176—16)

1. In combination a normally transparent lamp envelope, a tungsten filament mounted within said envelope, a coating of potassium nitrate on the inner wall of said envelope said coating being of sufficient thinness as to be substantially wholly transparent, and a reversible water-vapor getter mounted within said envelope said getter being continuously effective during the life of the lamp.

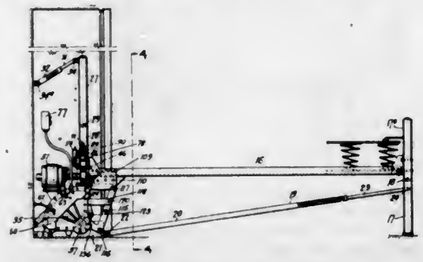
2,067,135
SPINNING RING MOUNTING
Frederic Eugene Banfield, Jr., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Massachusetts
Application March 21, 1935, Serial No. 12,118
6 Claims. (Cl. 118—59)



1. In a spinning frame, the combination of a ring rail having an aperture therethrough, a ring seated on said rail and having a portion thereof projecting into said aperture, means for

fastening the ring in said position, including a lever fulcrumed on the lower edge of said aperture, and means for holding said lever in its operative position.

2,067,136
WALL BED
Elmer H. Bridenbaugh, Denver, Colo., assignor, by mesne assignments, to Standard Power Bed Company, a corporation of Colorado
Application February 2, 1933, Serial No. 654,852
14 Claims. (Cl. 5—133)



1. In a wall bed, the combination of means for actuating the bed, comprising a driving shaft, a driving gear operatively connected with said driving shaft, a driven gear mounted on the frame of said bed and meshing with said driving gear, fulcrum bars upon which said driving and driven gears are pivoted, and power transmission means connected with said driving shaft.

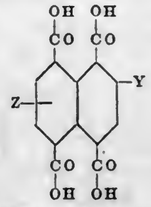
2,067,137
SOLVENT REFINING OF MINERAL OIL
Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 7, 1935, Serial No. 20,192
2 Claims. (Cl. 196—13)

1. The method of separating viscous lubricating oil containing high viscosity and low viscosity index constituents into fractions which are relatively rich in high viscosity index and low viscosity index constituents which comprises mixing the oil with a solvent selected from the group consisting of acetyl methyl, acetyl ethyl and acetyl di-ethyl amine, forming an extract phase containing low viscosity index constituents dissolved in the solvent liquid, and a raffinate phase comprising the relatively high viscosity index constituents, and separating the two phases.

2,067,138
NUCLEAR SUBSTITUTED ACENAPHTHALIC ACIDS AND 1.4.5.8-NAPHTHALENETETRACARBOXYLIC ACIDS AND PROCESS OF PREPARING THEM
Wilhelm Eckert and Ernst Fischer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 1, 1933, Serial No. 659,238. In Germany March 2, 1932
7 Claims. (Cl. 260—108)

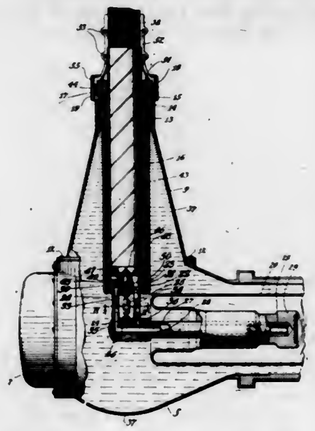
1. The process which comprises introducing according to known methods into acenaphthalic acid a substituent of the group consisting of sulfonic acid, nitro and halogen and oxidizing the substitution products thus obtained to the corresponding naphthalene tetracarboxylic acid derivatives.

4. The compounds of the following general formula:



wherein Y represents a substituent of the group consisting of sulfonic acid, hydroxy and nitro and wherein Z means a nitro group in case Y represents a nitro group, or Z otherwise means hydrogen.

2,067,139
SHOCKPROOF X-RAY APPARATUS
Louis F. Ehrke, Newark, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 1, 1934, Serial No. 755,563
3 Claims. (Cl. 250—34)



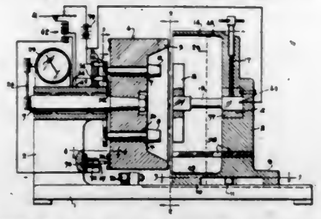
1. In a shockproof X-ray unit, the combination of a metallic casing, an X-ray tube in said casing immersed in a cooling and insulating material and provided with an anode which becomes heated during operation of said tube, a bushing secured to said casing to form a fluid tight seal therewith having a terminal electrically connected to the anode of said X-ray tube and provided with tapered concave receptacles in fluid conductive communication with said anode, and means connected to said casing to ground the same and provided with a conductor detachably connected to said terminal for supplying electrical energy to the anode of said X-ray tube and having complementary members detachably engaging said tapered receptacles and forced into frictional engagement therewith by the engagement of said means with said casing to form a fluid tight connection for the purpose of circulating a cooling and insulating material through said anode during operation of said X-ray tube.

2,067,140

TORSION IMPACT TESTING APPARATUS

Richard W. Dinzl, Narberth, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application August 17, 1935, Serial No. 36,636
15 Claims. (Cl. 265—13)



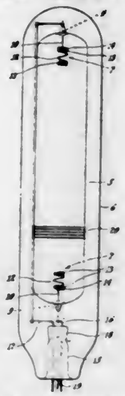
1. In combination, a torsion impact testing machine having means for subjecting a test specimen to torsion impact, indicating means, and means whereby the same is automatically responsive to the degree of torsion of a specimen.

2,067,141

ELECTRODE FOR GASEOUS CONDUCTION DEVICES

Daniel S. Gustin, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 11, 1935, Serial No. 30,778
8 Claims. (Cl. 176—126)



1. An electric discharge device provided with a sealed envelope and having operating electrodes extending into and sealed through the wall of said envelope, said electrodes comprising a helical winding of refractory material disposed interiorly of each end of said envelope and axially directed toward each other, a helical winding of refractory material wound transversely to the convolutions of said first mentioned helical winding, and a coating of high electron emissive material disposed upon a portion of said transversely wound helical winding positioned farthest from the oppositely disposed electrode.

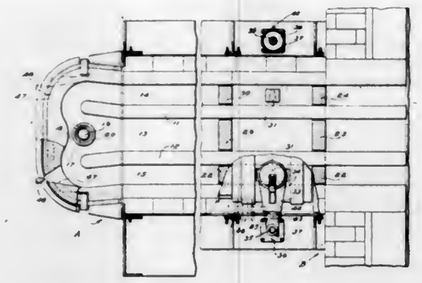
2,067,142

APPARATUS FOR AND METHOD OF DELIVERING MOLTEN GLASS

George E. Howard, Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application October 18, 1934, Serial No. 748,807
11 Claims. (Cl. 49—56)

7. The method of delivering molten glass from a melting tank or like source of supply which comprises, providing a feed chamber having a bottom discharge outlet and a glass flow channel having a plurality of juxtaposed branches all communicating at their outer ends with the feed chamber and communicating at their inner ends with the interior of the tank below the level of the glass in



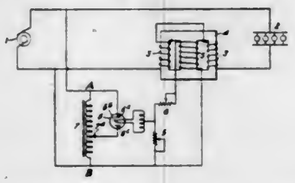
the latter, predetermining the direction of flow of glass between the tank and the feed chamber in said respective branches to predetermine the temperature of the glass at the outlet at any given time, and altering the flow in at least one of said branches to effect a change in the temperature of the glass at the outlet.

2,067,143

ELECTRIC CONTROLLING APPARATUS

Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application December 18, 1934, Serial No. 758,000
10 Claims. (Cl. 171—242)



1. An alternating current source, means for supplying a rectified current intermittently to a consumption circuit having inductance, and means for providing an auxiliary discharge path through the consumption circuit during intervening periods only.

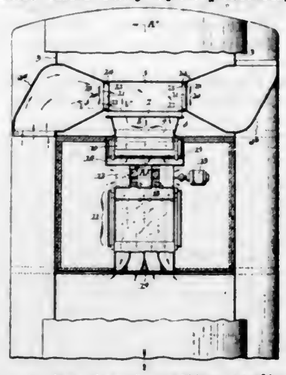
2,067,144

FRESH AIR INTAKE FOR RAILWAY CARS

William J. Madden, Lansdowne, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 5, 1935, Serial No. 39,292
1 Claim. (Cl. 98—14)

In a railway car, a fresh air intake comprising oppositely directed wind cowls, said wind cowls being formed to lead air into the car in a direction substantially longitudinal of the car, and automatic closure means associated with each cowl, said closure means comprising a plurality of eccentrically pivotally attached shutters having curved cross sections to facilitate automatic operation and to direct the air introduced into the car, a guide rod pivotally attached to the edges of said shutters, and a stop surface positioned to engage an end of said rod when said shutters take their fully open position, said clo-



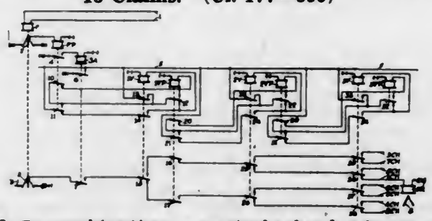
sure means in its closed position sealing its cowl against outgoing air.

2,067,145

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application December 20, 1932, Serial No. 648,095
13 Claims. (Cl. 177—353)



6. In combination; a control relay having contacts operated to opposite positions alternately; a plurality of series of stepping relays capable of taking a plurality of steps, each of said series including a single wound full-step relay and a single wound half-step relay; means for alternately picking up and dropping the full-step relay of a first series upon successive operation of said contacts to one of their positions; means for alternately picking up and dropping said half-step relay of said first series upon successive operation of said contacts to the other of their positions; and circuit means controlled jointly by said full-step and said half-step relays of said first series for controlling the operation of the full-step and the half-step relays of a second series.

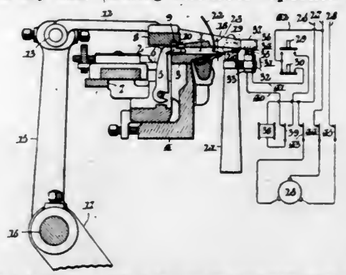
2,067,146

STOP MECHANISM FOR KNITTING MACHINES

Harold W. Porter, Lansdale, and John W. Bashore, Colmar, Pa., assignors to Dexdale Hosiery Mills, Lansdale, Pa., a corporation of Pennsylvania

Application March 13, 1936, Serial No. 68,624
4 Claims. (Cl. 66—157)

1. In a flat knitting machine comprising a series of needles, a corresponding series of sinkers, a reciprocating yarn carrier, a catch bar for withdrawing the sinkers relative to the needles after each yarn sinking operation, a lifting member on which the catch bar rests, and an electric motor for driving the machine; the combination of stop mechanism including a control switch carried by the lifting member operative upon



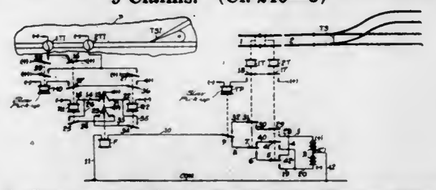
failure of the catch bar to withdraw the sinkers as aforesaid, to effect interruption of current to the motor and, in turn, stoppage of the machine.

2,067,147

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application January 26, 1933, Serial No. 653,675
9 Claims. (Cl. 246—3)



1. In a system for indicating traffic conditions in railway track sections, a single line circuit connecting a control point and two distant track sections, means for applying distinctive conditions of energization to said line circuit in accordance with the occupancy of said track sections, two slow-releasing relays at said control point, an indicator energized through a front contact of each slow-releasing relay, means for energizing one of said slow-releasing relays when one polarity of energization is applied to said line circuit, means for energizing the other of said slow-releasing relays when another polarity of energization is applied to said line circuit, means for energizing both of said slow-releasing relays when the polarity of said line circuit is changed from one polarity to another, and means for retaining both of said indicators energized for a period of time after the front contacts of said slow-releasing relays have opened.

2,067,148

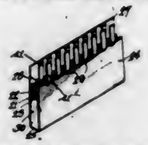
MATCH PACKET AND METHOD OF MAKING IT

Rodney Southwick Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 5, 1934, Serial No. 746,942
Renewed June 10, 1936
24 Claims. (Cl. 93—2)

1. The method of forming packets of matches from dipped paper matches arranged in adjoining rows, which consists in providing wraps having spaced apertures in juxtaposition to the matches, in spreading the matches apart as they approach the spaced apertures in the wraps, in moving the wraps and the matches relatively one

toward each other to pass the match heads through the spaced apertures, in folding the wraps inwardly between the rows of matches and



in a direction from the stick ends of the matches toward the head ends thereof to form re-entrant angles and in folding the wraps about the matches to form packets.

2,067,149

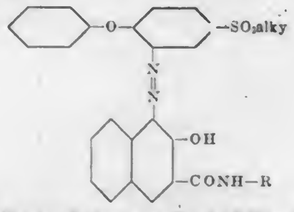
AZODYESTUFFS INSOLUBLE IN WATER

Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Norbert Steiger, Frankfort-on-the-Main, August Modersohn, Cologne-Mulheim-on-the-Rhine, and Werner Schleifenbaum, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 2, 1936, Serial No. 72,288. In Germany April 12, 1935

5 Claims. (Cl. 260—95)

1. Azodyestuffs insoluble in water of the general formula:



wherein R stands for a radical of the group consisting of the radicals of the benzene and naphthalene series which dyestuffs are suitable for the manufacture of valuable color lakes and yield when produced on the fiber valuable dyeings and printings which are distinguished by an intense yellowish shade and by good fastness properties.

2,067,150

METHOD OF RECLAIMING ELECTRIC LAMPS

Clarence Birdseye, Gloucester, Mass., assignor, by mesne assignments, to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware

Application March 23, 1934, Serial No. 717,019

13 Claims. (Cl. 176—7)



10. The method of reclaiming electric lamps, characterized by the step of cutting off the mount at such a location as to leave an annular rim of its material attached to the neck of the bulb outside the original line of seal between the bulb and mount while the neck and the bulb are maintained in their original relation in the lamp, and thereafter heating and reshaping said annular rim to add it to the material of the bulb.

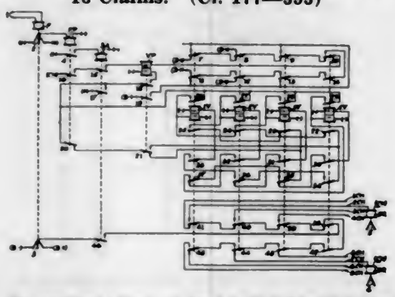
2,067,151

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Oscar H. Dicke, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application December 30, 1932, Serial No. 649,606

18 Claims. (Cl. 177—353)



1. In combination; a line relay for repeating a series of time spaced impulses; a series of stepping relays; means for sequentially picking up said stepping relays, one for each time space repeated by said line relay until all of said stepping relays are picked up; means for sticking up said stepping relays, the first stepping relay of said series being stuck up by a circuit including a back contact of the last stepping relay of said series, and the remaining stepping relays of said series being stuck up by a circuit including a front contact of its immediately preceding stepping relay of the series; means effective upon the picking up of the last stepping relay of the series to maintain said first stepping relay of the series stuck up only until the next time space in said series of impulses occurs; means effective upon the dropping away of each stepping relay during its respective time space to maintain the next succeeding stepping relay stuck up only until the next succeeding time space occurs in said series of impulses; and means including said stepping relays for closing a plurality of channel circuits, one upon the picking up of each stepping relay and one upon the dropping of each stepping relay.

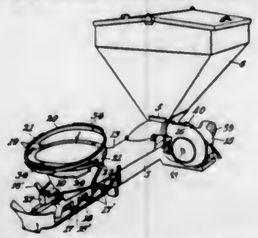
2,067,152

STOKER

William L. Gotwals, Jr., Norristown, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application March 17, 1936, Serial No. 69,260

4 Claims. (Cl. 110—45)



1. In a stoker, the combination with an annular grate, having its axis substantially vertical and a substantially horizontal rim; of a conveyer adapted to force fuel upwardly within said grate; a conveyer for forcing ashes away from said grate; means adapted to forcibly discharge clinker and ashes from said grate rim, including a ring arranged coaxially with the rim and spaced outward and upward therefrom; means affording axially alined horizontal pivotal supports for said ring at diametrically opposite sides thereof; arms extending downwardly from said ring, and diametrically opposed thereon, and engaged by said pivotal supports; and means operatively connecting one of said conveyers with said ring arm, for oscillating said ring on said supports, to extend above and below the rim, transversely to the plane of said grate rim, and dislodging clinker and ashes from said rim into cooperative relation with said ash conveyer.

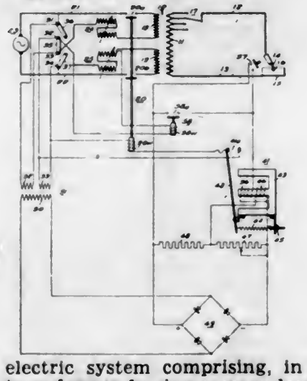
2,067,153

CONTROL SYSTEM

George E. King, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 5, 1935, Serial No. 39,273

12 Claims. (Cl. 171—97)



10. An electric system comprising, in combination, a transformer having a secondary winding for connection to a load circuit and a primary winding, switch means for connecting said primary winding to a source of alternating current, impedance means disposed to be interconnected between said primary winding and said source, an operating winding for said switch means, a time-delay relay disposed to complete a circuit for energizing said operating winding, thereby connecting said primary winding to said current source, an operating winding for said time-delay relay, said time-delay relay being disposed to maintain said first-mentioned operating winding in the energized condition until the expiration of a predetermined time interval after said last-named operating winding is deenergized, a manually operable control switch for effecting the energization of said last-named operating winding, and a control relay provided with normally open contact members connected in shunt circuit relation with said control switch and an operating winding connected across said impedance means to bridge said contact members on flow of current therethrough.

2,067,154

APPARATUS FOR TREATING FOOTBALLS, BASKETBALLS, OR LIKE INFLATABLE BALLS

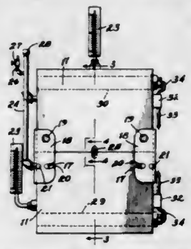
Benjamin Kozmer, Chicago, Ill.

Application July 2, 1934, Serial No. 733,413

Renewed April 29, 1935

3 Claims. (Cl. 69—1)

1. An apparatus for treating, forming or shaping a leather-covered inflatable ball, comprising a pair of complementary mold sections, each section including an inner wall corresponding in shape to one-half of the outline of the ball to be treated and an outer wall spaced from said inner wall and defining a heating chamber com-



pletely surrounding said inner wall, a tube rigidly connected with said outer wall of each section and passing through said heating chamber of the latter, and a heating element positioned within each tube.

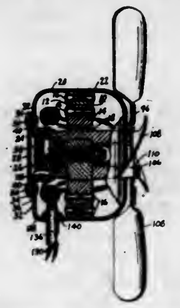
2,067,155

MOTOR

Irving M. Levy and Barrett Kemp, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 31, 1934, Serial No. 728,274

3 Claims. (Cl. 172—36)



2. A motor comprising, in combination, a stator having poles, said poles being spaced apart and having arcuate end surfaces, a housing providing a lubricant supply chamber having a supply of lubricant therein, a stub shaft supported at one end by the housing and having lubricant conveying openings therein communicating with the lubricant supply chamber, a rotor rotatably mounted on the shaft and having die cast end rings, one of said end rings projecting beyond the end of the shaft, and a plug closing the opening defined by said one end ring to prevent the escape of lubricant said one end ring also providing a mounting for a driven member.

2,067,156

DOUBLE GRID ELECTRON TUBE AND CIRCUIT

Heinz Lux, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

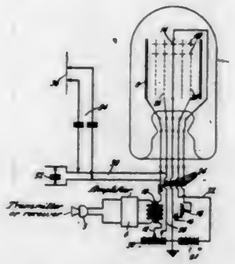
Application November 16, 1932, Serial No. 642,845

In Germany November 17, 1931

5 Claims. (Cl. 250—36)

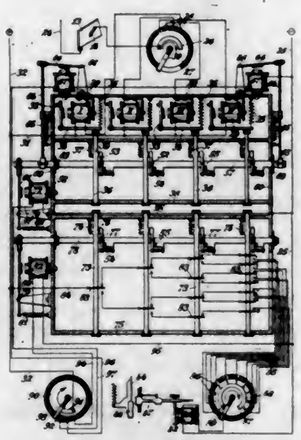
1. In a system for the production of high frequency oscillations, an electron discharge tube

including a cathode, a grid having portions opaque to the passage of electrons and portions which permit the flow of electrons therethrough, an anode surrounding the grid, means for applying to the grid a positive potential with respect to the cathode, means for applying to the anode a materially lower potential whereby electrons will oscillate back and forth between said cathode and anode through said grid, and means



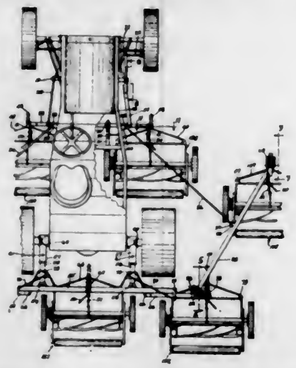
for reducing the impingement of electrons upon the opaque portions of said grid and thereby the losses in said system, comprising an electrode similar to said grid and interposed between the grid and the cathode, said electrode having opaque portions aligned with those of the grid, said electrode having applied thereto a potential of the order of the cathode whereby the number of straight lines of force between the grid and the cathode is materially reduced.

2,067,157
PERFORATED RECORD CONTROLLED MACHINE
Michael Maul, Berlin-Johannisthal, Germany
Application January 29, 1931, Serial No. 512,056
In Germany February 17, 1930
3 Claims. (Cl. 235—92)



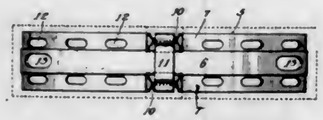
1. In a cyclically operable combinational hole record card controlled tabulating machine wherein one card passage corresponds to one machine cycle, analyzing means for said record cards, an entry-receiving accumulating mechanism controlled in one machine cycle in accordance with the combinational hole perforations of a record card analyzed in the preceding machine cycle, a first set of storing means for retaining the result of the analysis, said analyzing means controlling upon each card passage the same first set of storing means, a second set of storing means also adapted to retain the result of the analysis and including translator means for the combinational hole perforations, said translator means controlling in each machine cycle said accumulating means, means operative between consecutive entering operations for clearing at first said second set of storing means, means for controlling then said second set of storing means by said first set of storing means and means for clearing then said first set of storing means before control of the same by the analyzing means upon analysis of the subsequent card.

2,067,158
POWER GANG LAWN MOWER
Amos F. Moyer, Minneapolis, Minn., assignor to Toro Manufacturing Company, Minneapolis, Minn., a corporation of Delaware
Application May 8, 1933, Serial No. 669,818
29 Claims. (Cl. 56—7)



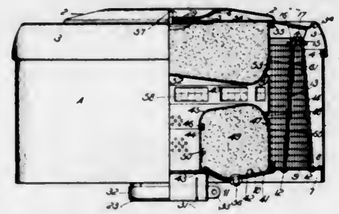
1. In combination with a vehicle, mower units which operate at points laterally of the vehicle wheels, means supported by the vehicle one for each unit and to which it is pivotally connected to swing in a horizontal plane, each of said means being separately and independently pivoted to the vehicle and being disposed to be swung in a horizontal plane from a lateral to a rearwardly extending direction and to such a position that the units do not extend a substantial distance laterally beyond the traction area of the vehicle wheels.

2,067,159
BRAKE SHOE
Albert Nelson, Chicago, Ill., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Application March 28, 1936, Serial No. 71,399
5 Claims. (Cl. 188—258)



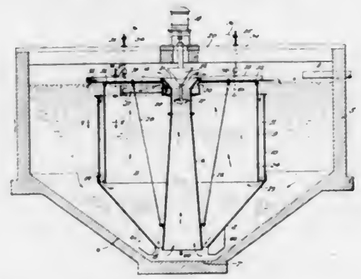
1. A brake shoe back comprising a rolled metal strip having a central section and two side sections, the side sections from the center portion of the back to the ends thereof being stepped down from the central section and providing a back of uniform cross section from the center portion to its ends having a central section thicker than the side sections, the central section being provided with an opening adjacent each end and the side sections being provided with elongated openings.

2,067,160
AIR CLEANER AND SILENCER
George C. Rensink, Denver, Colo.
Application July 22, 1935, Serial No. 32,549
7 Claims. (Cl. 183—72)



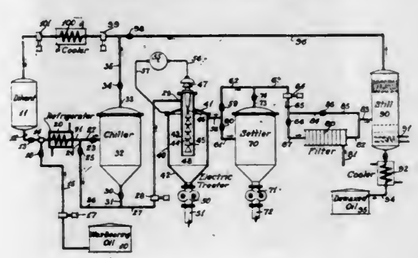
1. An air cleaner comprising a cup-like casing open at its lower end and provided with a top having a central aperture, an annular bottom positioned in the open end, an upwardly flaring filter element positioned between the top and the bottom, positioning means for engaging the top of the filter element, means on the bottom for engaging the lower edge of the filter element, a disk for closing the aperture in the top, a tubular outlet member communicating with the opening in the bottom, means extending between the disk and the bottom and comprising a bolt for applying a force to the edges of the filter element to hold the latter in place, means for securing the tubular member to the bottom, comprising an outwardly extending flange on the tubular member, of larger diameter than the opening in the bottom, and means for clamping the flange to the bottom.

2,067,161
SEWAGE TREATMENT APPARATUS
Augustus C. Durdin, Jr., Niles Center, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1934, Serial No. 758,630
14 Claims. (Cl. 210—8)



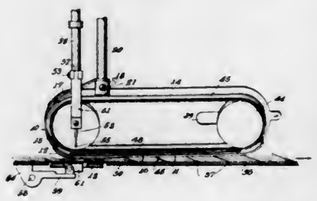
1. Apparatus for the treatment of sewage or other liquids, comprising in combination a tank, a settling chamber having a side wall separating the contents of the tank from that in the settling chamber, whereby a quiescent zone is provided in the settling chamber, there being a restricted discharge opening at the bottom of the settling chamber, and means providing an inlet passageway between the tank and settling chamber for conducting the contents of the tank to the settling chamber, said passageway having an inlet at its top, opening to the tank, and an outlet at its bottom opening to the settling chamber.

2,067,162
PROCESS AND APPARATUS FOR DEWAXING OIL
Harmon F. Fisher and Blair G. Aldridge, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application December 5, 1933, Serial No. 700,996
7 Claims. (Cl. 204—24)



1. A process for dewaxing oils which comprises passing a stream of wax-bearing oil between a pair of oppositely charged electrodes, whereby wax particles agglomerate and certain of said wax particles tend to migrate and deposit upon an electrode of one polarity, establishing an electric windage from the other electrode of opposite polarity toward the surface of said first named electrode of sufficient intensity to prevent permanent deposition of wax particles thereon.

2,067,163
METHOD AND APPARATUS FOR POINTING FUR SKINS, AND THE LIKE, AND RESULTING PRODUCTS
Carl Sonman, New York, N. Y., assignor of twenty-three per cent to Carl Motzer, Brooklyn, N. Y., twenty-three per cent to Ted Erwin, twenty-three per cent to David Samuels, and eight per cent to A. Haskell Schwartz, all of New York, N. Y.
Application May 11, 1934, Serial No. 725,095
16 Claims. (Cl. 149—24)



13. The method of pointing a hair into a fabric which comprises the steps of positioning the hair substantially parallel to the fabric, engaging the

hair adjacent one of its ends in the forked end of a forked needle, passing the needle end and the hair engaged by it through the fabric, withdrawing the needle from the fabric, leaving the hair in the opening, its end projecting from the underside of the fabric.

2,067,164
WINDOW SASH BALANCE
James W. Smith, Cleveland, Ohio, assignor to Bruce W. Smith, Cleveland, Ohio
Application February 12, 1935, Serial No. 6,219
10 Claims. (Cl. 16—198)

1. The combination with a window sash member, a frame member mounting the sash member for movement to raised and lowered positions, and means carried by one member and operatively connected to the other for effecting counterbalancing of the sash member, of means op-



erated by the counterbalance means for effecting mutual snubbing relation of said members for opposing movement of the sash member toward said positions.

DESIGNS

JANUARY 5, 1937

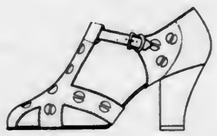
102,601
DESIGN FOR A SHOE
Sebastiano Carrabba, Brooklyn, N. Y., assignor to Dainty Maid Slippers, Inc., Brooklyn, N. Y.
Application November 21, 1936, Serial No. 66,070
Term of patent 3½ years





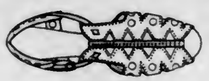
The ornamental design for a shoe substantially as shown.

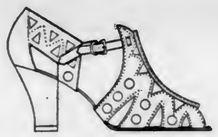
102,602
DESIGN FOR A SHOE
Sebastiano Carrabba, Brooklyn, N. Y., assignor to Dainty Maid Slippers, Inc., Brooklyn, N. Y.
Application November 21, 1936, Serial No. 66,071
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

102,603
DESIGN FOR A SHOE
Sebastiano Carrabba, Brooklyn, N. Y., assignor to Dainty Maid Slippers, Inc., Brooklyn, N. Y.
Application November 21, 1936, Serial No. 66,072
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

102,604
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Peter Cregut, Palisades Park, N. J., assignor to Morton D. Kornfeld, New York, N. Y.
Application November 24, 1936, Serial No. 66,114
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

102,605
DESIGN FOR A DOILY
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 31, 1936, Serial No. 65,624
Term of patent 14 years



The ornamental design for a doily, substantially as shown and described.

102,606
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,534
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,607
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,535
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,608
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,536
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,609
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,537
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,610
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,538
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,611
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,539
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,612
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,540
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,613
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,542
Term of patent 3½ years



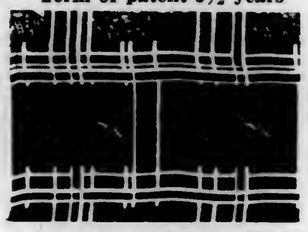
The ornamental design for a textile fabric, substantially as shown.

102,614
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,543
Term of patent 3½ years



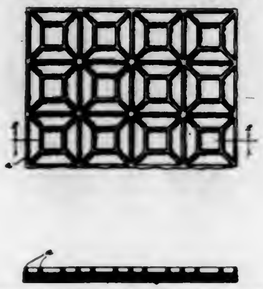
The ornamental design for a textile fabric, substantially as shown.

102,615
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27. 1936, Serial No. 65,544
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,616
DESIGN FOR A CARPET UNDERLINER
Nathaniel Newman, Chicago, Ill.
Application October 19, 1936, Serial No. 65,348
Term of patent 14 years



The ornamental design for a carpet underliner as shown and described.

102,617
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 65,952
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

102,618
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 65,953
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

102,619
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 65,954
Term of patent 3½ years

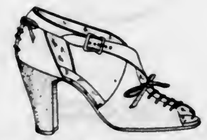




The ornamental design for a shoe, substantially as shown.

102,620
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 65,956
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

102,621
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 65,957
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

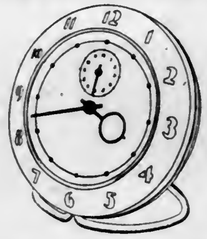
102,622
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 65,958
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

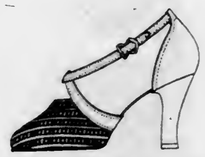
102,623
DESIGN FOR A CLOCK
Max Schlenker, La Salle, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application October 15, 1936, Serial No. 65,315
Term of patent 7 years



The ornamental design for a clock, as shown.

102,624
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application November 19, 1936, Serial No. 66,010
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

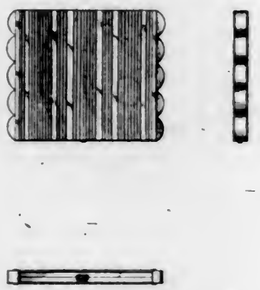
102,625
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application November 19, 1936, Serial No. 66,012
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

102,626
DESIGN FOR A RECEPTACLE FOR CIGARETTES OR OTHER ARTICLES
Arthur Bates, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application November 25, 1936, Serial No. 66,141
Term of patent 3½ years



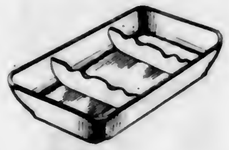
The ornamental design for a receptacle for cigarettes or other articles, as shown.

102,627
DESIGN FOR A CABINET FOR A HAIR WAVING MACHINE
John W. Bestler, Chicago, Ill.
Application March 2, 1936, Serial No. 61,443
Term of patent 3½ years



The ornamental design for a cabinet for a hair waving machine, substantially as shown and described.

102,628
DESIGN FOR A TRAY
Louis M. Dennis, Ithaca, N. Y.
Application May 15, 1936, Serial No. 62,651
Term of patent 7 years



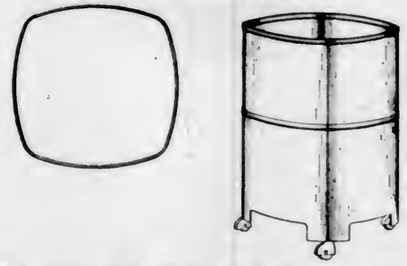
The ornamental design for a tray, as shown and described.

102,629
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
David W. Dunberg, New York, N. Y., assignor to Jacques Kreisler Sales Corporation, New York, N. Y.
Application December 3, 1936, Serial No. 66,272
Term of patent 7 years



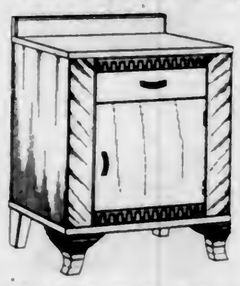
The ornamental design for a vanity case or similar article, as shown and described.

102,630
DESIGN FOR A WASHING MACHINE CABINET OR SIMILAR ARTICLE
Oliver Leslie Earl, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application April 23, 1936, Serial No. 62,255
Term of patent 14 years



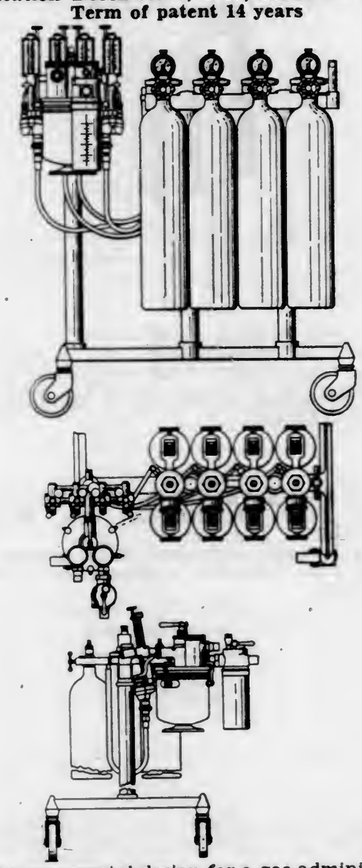
The ornamental design for a washing machine cabinet or similar article as shown and described.

102,631
DESIGN FOR A DOCTOR'S CABINET OR THE LIKE
John Charles Fay, Chicago, Ill., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application July 27, 1936, Serial No. 64,086
Term of patent 7 years



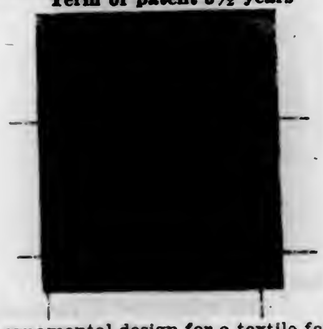
The ornamental design for a doctor's cabinet or the like substantially as shown.

102,632
DESIGN FOR A GAS ADMINISTERING MACHINE
Jay A. Heidbrink, Minneapolis, Minn.
Application December 7, 1935, Serial No. 59,951
Term of patent 14 years



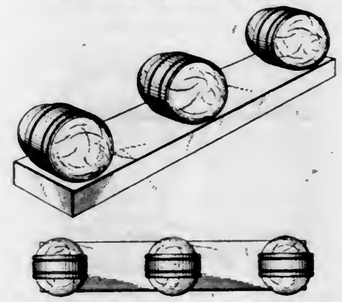
The ornamental design for a gas administering machine, as shown and described.

102,633
DESIGN FOR A TEXTILE FABRIC
John Killars, Jr., Greenville, S. C., assignor to Deering Milliken & Co. Inc., a corporation of New York
Application December 10, 1936, Serial No. 66,463
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

102,634
DESIGN FOR A MOTOR VEHICLE MARKER LAMP OR SIMILAR ARTICLE
Matthew R. Korshin, Media, Pa., assignor to R. E. Dietz Company, New York, N. Y.
Application May 4, 1936, Serial No. 62,464
Term of patent 7 years



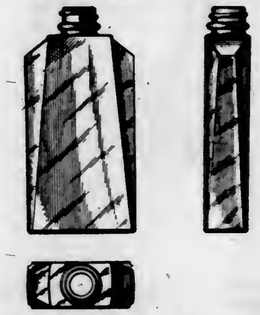
The ornamental design for a motor vehicle marker lamp or similar article, substantially as shown.

102,635
DESIGN FOR A BRACELET
Ralph Massa, New York, N. Y.
Application November 24, 1936, Serial No. 66,122
Term of patent 3½ years



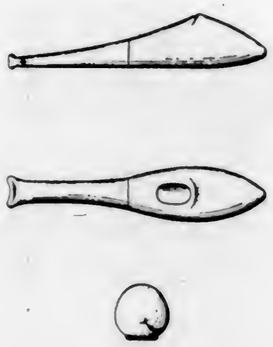
The ornamental design for a bracelet substantially as shown.

102,636
DESIGN FOR A BOTTLE
Frank McLaughlin, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application November 10, 1936, Serial No. 65,833
Term of patent 14 years



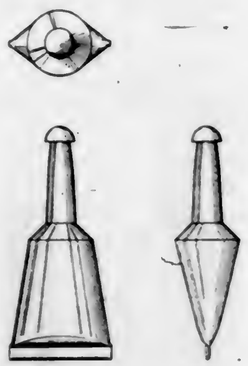
The ornamental design for a bottle, as shown.

102,637
DESIGN FOR A TOBACCO PIPE
Lyndon C. Millsap, Sullivan, Ill.
Application May 1, 1936, Serial No. 62,412
Term of patent 7 years



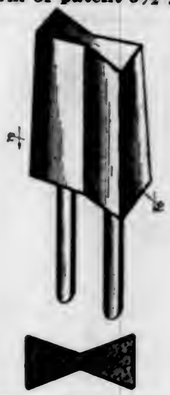
The ornamental design for a tobacco pipe as shown.

102,638
DESIGN FOR A TUBE OR SIMILAR CONTAINER
Ferdinand W. Nitardy, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application October 19, 1935, Serial No. 59,133
Term of patent 14 years



The ornamental design for a tube or similar container substantially as shown.

102,639
DESIGN FOR A CONFECTIONERY PRODUCT
Louis B. Olin, Chicago, Ill.
Application May 29, 1936, Serial No. 62,906
Term of patent 3½ years



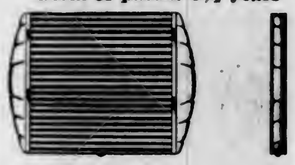
The ornamental design for a confectionery product as shown.

102,640
DESIGN FOR A TRIMMING FOR RECEPTACLES FOR CIGARETTES OR OTHER ARTICLES
William J. Reilly, Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application November 25, 1936, Serial No. 66,142
Term of patent 3½ years



The ornamental design for a trimming for receptacles for cigarettes or other articles as shown.

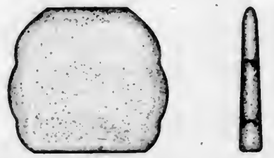
102,641
DESIGN FOR A RECEPTACLE FOR CIGARETTES OR OTHER ARTICLES
William J. Reilly, Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application November 25, 1936, Serial No. 66,143
Term of patent 3½ years





The ornamental design for a receptacle for cigarettes or other articles as shown.

102,642
DESIGN FOR A MOTH PREVENTATIVE TABLET
Alvin L. Sacks, University City, Mo.
Application May 18, 1936, Serial No. 62,704
Term of patent 7 years



The ornamental design for a moth preventative tablet, substantially as shown.

102,643
DESIGN FOR A PADLOCK
Norman J. Vile, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application November 18, 1936, Serial No. 65,996
Term of patent 14 years



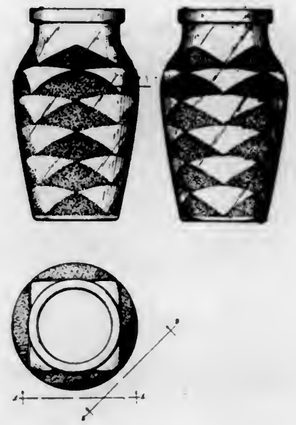
The ornamental design for a padlock, as shown.

102,644
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application December 11, 1936, Serial No. 66,471
Term of patent 3½ years



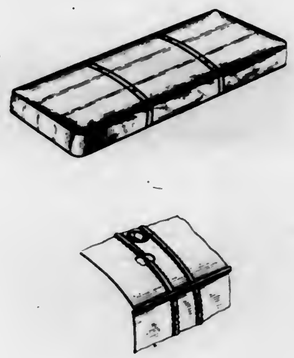
The ornamental design for a textile fabric, substantially as shown.

102,645
DESIGN FOR A JAR
Lysle E. Adams, Chicago, Ill., assignor to Lysle E. Adams, trustee for firm of Adams Bros. & Co.
Application May 1, 1936, Serial No. 62,406
Term of patent 14 years



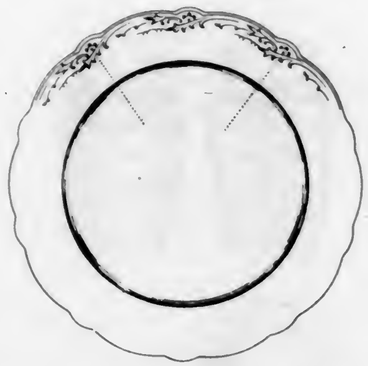
The ornamental design for a jar, as shown and described.

102,646
DESIGN FOR A CUSHION OR SIMILAR ARTICLE
Joseph W. Bowersox, Kansas City, Mo., and Stephen J. Blaha, Hinsdale, Ill., assignors to Superior Felt & Bedding Company, a corporation of Illinois
Application September 12, 1936, Serial No. 64,824
Term of patent 7 years



The ornamental design for a cushion or similar article as shown and described.

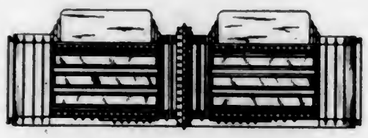
102,647
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,078
Term of patent 7 years

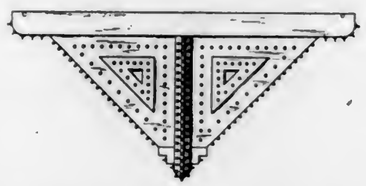


The ornamental design for a plate or similar article, as shown and described.

102,648
DESIGN FOR A V-TYPE MARQUEE
Morton L. Clark, Lima, Ohio, assignor to The Artkraft Sign Company, Lima, Ohio, a corporation of Ohio
Application September 12, 1936, Serial No. 64,823
Term of patent 7 years

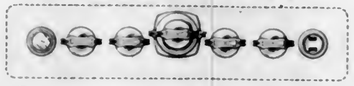






The ornamental design for a V-type marquee as shown.

102,649
DESIGN FOR AN ELECTRIC RANGE CONTROL PANEL
John H. Grayson and George Greenamyer, Lynwood, Calif.
Application September 29, 1936, Serial No. 65,067
Term of patent 3½ years





The ornamental design for an electric range control panel, as shown.

102,650
DESIGN FOR A BULB FOR HEAD LAMPS
Leo S. Greenmun, Binghamton, N. Y., assignor to Dayatnite Lamp Corporation, Newark, N. J., a corporation of Delaware
Application September 12, 1935, Serial No. 58,523
Term of patent 3½ years

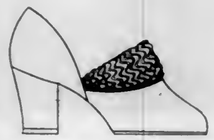




The ornamental design for a bulb for head lamps, substantially as shown and described.

102,651
DESIGN FOR A SLIPPER
Moe Jacob, New York, N. Y.
Application January 20, 1936, Serial No. 60,681
Term of patent 3½ years





The ornamental design for a slipper, as shown and described.

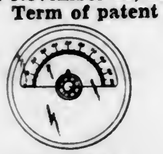
102,652
DESIGN FOR A RIBBON ROLLER RACK
Oscar Lion, New York, N. Y.
Application November 5, 1936, Serial No. 65,697
Term of patent 3½ years

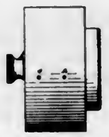




The ornamental design for a ribbon roller rack, substantially as shown.

102,653
DESIGN FOR A RADIO RECEIVING APPARATUS
Charles J. Meyer, Chicago, Ill.
Application November 18, 1936, Serial No. 66,000
Term of patent 14 years

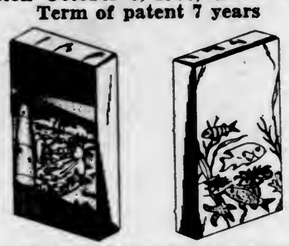






The ornamental design for a radio receiving apparatus, as shown.

102,654
DESIGN FOR A CARTON OR SIMILAR ARTICLE
Benjamin Mintz, Brooklyn, N. Y.
Application October 6, 1936, Serial No. 65,183
Term of patent 7 years



The ornamental design for a carton or similar article, substantially as shown and described.

102,655
DESIGN FOR A HEARING-AID TRANSMITTER MICROPHONE BODY
Emmanuel Christ Nicholides, Bronx, N. Y., assignor to Sonotone Corporation, New York, N. Y., a corporation of New York
Application October 31, 1934, Serial No. 53,829
Term of patent 14 years



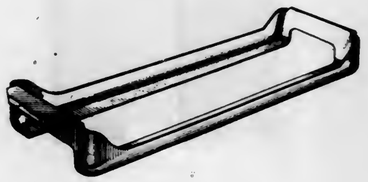
The ornamental design for a hearing-aid transmitter microphone body, as shown.

102,656
DESIGN FOR A SPORT SHIRT OR SIMILAR ARTICLE
Max Saldin, Brooklyn, N. Y., assignor to A. M. Webb & Co., Inc., New York, N. Y., a corporation of New York
Application November 18, 1936, Serial No. 65,995
Term of patent 7 years



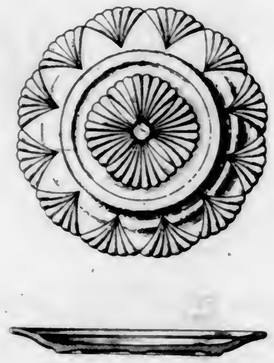
The ornamental design for a sport shirt or similar article, as shown and described.

102,657
DESIGN FOR A REFRIGERATOR TRAY
Lewis H. Scurlock, Chicago, Ill.
Application October 1, 1936, Serial No. 65,098
Term of patent 14 years



The ornamental design for a refrigerator tray as shown.

102,658
DESIGN FOR A PLATE
James E. Spence, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application November 2, 1936, Serial No. 65,650
Term of patent 14 years



The ornamental design for a plate as shown and described.

102,659
DESIGN FOR A REFRIGERATOR
George W. Walker, Detroit, Mich.
Application June 18, 1936, Serial No. 63,364
Term of patent 7 years



The ornamental design for a refrigerator as shown.

102,660
DESIGN FOR A CHAIR SEAT PAN
Irl R. Bromagem, Union City, Ind., assignor to Union City Body Company, Inc., Union City, Ind., a corporation of Indiana
Application May 18, 1936, Serial No. 62,706
Term of patent 14 years



The ornamental design for a chair seat pan, as shown.

102,661
DESIGN FOR A VEHICLE WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 8, 1933, Serial No. 48,665
Term of patent 14 years



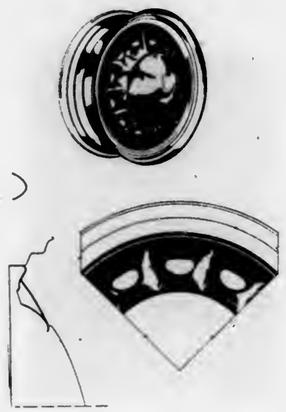
The ornamental design for a vehicle wheel as shown.

102,662
DESIGN FOR A VEHICLE WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 12, 1933, Serial No. 49,469
Term of patent 14 years



The ornamental design for a vehicle wheel substantially as shown and described.

102,663
DESIGN FOR A SPOKED WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 17, 1933, Serial No. 49,774
Term of patent 14 years



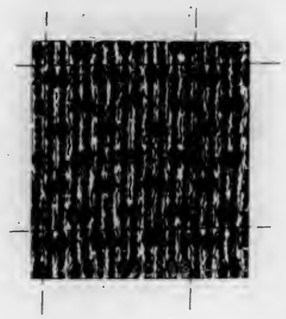
The ornamental design for a spoked wheel substantially as shown and described.

102,664
DESIGN FOR A COMBINED CABINET AND X-RAY PICTURE DISPLAY SUPPORT OR THE LIKE
Howell G. Evans, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application June 8, 1936, Serial No. 63,099
Term of patent 7 years



The ornamental design for a combined cabinet and X-ray picture display support or the like substantially as shown and described.

102,665
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 10, 1936, Serial No. 65,232
Term of patent 3½ years



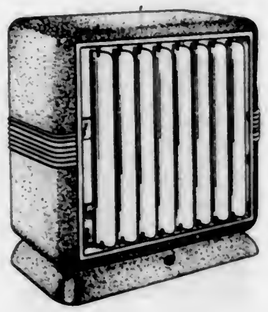
The ornamental design for a textile fabric substantially as shown and described.

102,666
DESIGN FOR A RUG
Frank J. Heller, Scarsdale, N. Y.
Application November 10, 1936, Serial No. 65,815
Term of patent 3½ years



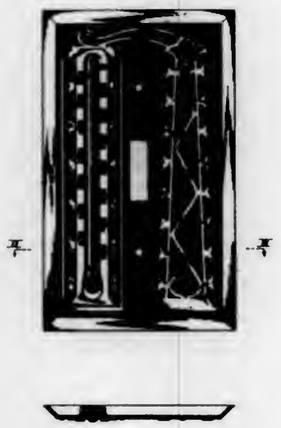
The ornamental design for a rug, substantially as shown.

102,667
DESIGN FOR AN ELECTRIC FAN CASING
John G. Macdonald, Toronto, Ontario, Canada
Application September 17, 1936, Serial No. 64,904
Term of patent 14 years



The ornamental design for an electric fan casing, as shown.

102,668
DESIGN FOR A COMBINED SWITCH PLATE AND THERMOMETER
Octavian Maximilian, Pittsburgh, Pa.
Application November 28, 1936, Serial No. 66,189
Term of patent 7 years



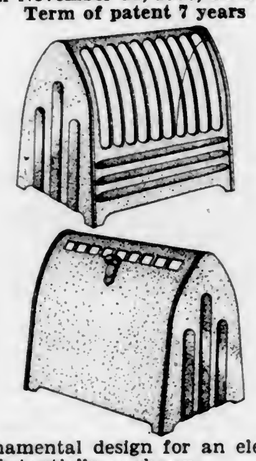
The ornamental design for a combined switch plate and thermometer, as shown.

102,669
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application November 24, 1936, Serial No. 66,108
Term of patent 14 years



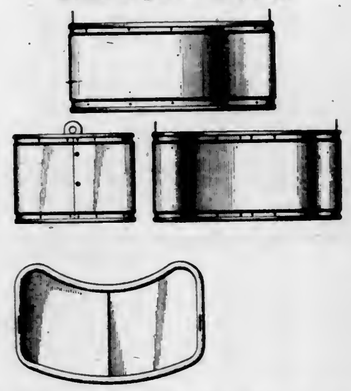
The ornamental design for a knitted fabric, as shown and described.

102,670
DESIGN FOR AN ELECTRIC HEATER CASING
George Steingruber, Huntsville, Ala.
Application November 11, 1936, Serial No. 65,857
Term of patent 7 years



The ornamental design for an electric heater casing, substantially as shown.

102,671
DESIGN FOR A BOTTLE CARRIER
Everett Worthington, Chicago, Ill., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application May 22, 1936, Serial No. 62,769
Term of patent 14 years



The ornamental design for a bottle carrier as shown.

Patents Nos. 2,067,165 to 2,067,881

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January 12, 1937

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Disclaimers

1,890,358.—*Edward J. Barcalo*, Buffalo, N. Y. Pillow or Cushion. Patent dated December 6, 1932. Disclaimer filed December 4, 1936, by the assignee, *Six Way Corporation*.

Hereby enters this disclaimer to claims 2 and 3 of said patent.

1,934,245.—*Ralph P. Stineman*, Los Angeles, Calif. Holder for Moving Picture Films. Patent dated November 7, 1933. Disclaimer filed December 7, 1936, by the patentee.

Hereby enters his disclaimer to claims 1 and 3 of said Letters Patent.

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application, must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application, giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention. If the application has received a serial number, that should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Amendments

In order to insure the prompt delivery of amendments to the proper examining division, applicants are requested in their actions on applications to give the division number and the room number appearing on the last Office letter, as well as the date of such letter.

Condition of Applications Under Examination at Close of Business December 19, 1936

(Total number of applications awaiting action, excluding Trade-Mark Division, 34,714; Trade-Mark Division, 1,783. Oldest new case, June 6, 1936; oldest amended, June 10, 1936.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 28	Oct. 17	313
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Aug. 3	Aug. 5	997
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 6	Oct. 1	399
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Aug. 26	Aug. 19	590
3077	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Sept. 18	Sept. 16	419
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 17	Sept. 2	701
5725	7. JARBOE, C. G., Optics; Photography	Sept. 26	Sept. 25	788
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Sept. 21	Sept. 24	433
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 6	Oct. 1	365
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Sept. 22	Sept. 28	353
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 5	Oct. 5	370
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Sept. 22	Sept. 22	298
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 12	Oct. 12	371
5097	14. SMITH, G. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 28	Aug. 28	577
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Sept. 23	Sept. 23	828
5612	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 9	Sept. 9	708
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 19	Sept. 21	528
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 20	Aug. 29	454
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 5	Sept. 9	637
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 29	Sept. 4	414
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 19	Sept. 19	592
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Sept. 26	Sept. 26	565
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	June 6	June 10	505
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 30	Sept. 30	510
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 22	Sept. 21	543
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 6	Oct. 6	283
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	July 30	July 30	775
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Sept. 16	Aug. 26	337
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Sept. 24	Sept. 24	494
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 22	Aug. 19	642
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 10	Sept. 30	472
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Oct. 1	Oct. 1	408
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 10	Sept. 10	717
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Sept. 19	Sept. 25	356
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Aug. 17	Aug. 18	596
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 23	Sept. 25	244
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Sept. 5	Sept. 3	548
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 26	Oct. 3	380
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 20	Oct. 19	317
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 19	Aug. 19	1071
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 27	Sept. 1	514
5882	42. CUTTING, H. O., Electric Signaling	Sept. 16	Sept. 11	416
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Sept. 19	Sept. 19	630
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Sept. 8	Sept. 3	617
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Sept. 28	Sept. 26	311
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 15	Sept. 19	570
7600	47. BARKER, H., Clutches; Brakes	Oct. 5	Sept. 25	454
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 21	Sept. 21	540
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 14	Oct. 1	388
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Sept. 19	Sept. 19	506
5628	51. BACKUS, C. D., Radiant Energy	Sept. 25	Sept. 25	688
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 3	Oct. 12	535
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 18	Aug. 22	903
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Sept. 23	Sept. 28	329
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 4	Aug. 18	689
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Sept. 19	Sept. 19	893
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Aug. 15	Aug. 15	385
5605	58. DOWELL, F. F., Abrading; Bottles and Jars	Sept. 23	Sept. 18	278
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Sept. 30	Oct. 9	405
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Aug. 11	Aug. 13	564
6724	61. PARKS, O. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 29	Sept. 5	236
3876	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 21	Sept. 26	448
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting; Fermentation	Sept. 22	Sept. 22	405
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Sept. 24	Sept. 24	665
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 18	July 16	771
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Nov. 19	Dec. 1	1435
	{Labels and Prints	Nov. 19	Dec. 4	348
2605	Designs, H. H. KALUPY	Nov. 24	Dec. 7	616

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

ESSEX RAZOR BLADE CORPORATION *v.* GILLETTE SAFETY RAZOR COMPANY

No. 21. Decided November 9, 1936

PATENTABILITY—SAFETY RAZOR BLADE.

Claims for a safety razor blade, reciting means for holding the blade in shaving relation relative to a guard member and independent means for holding the blade relative to a clamping member *Held* unpatentable in view of prior art showing pins fixed to either the guard member or clamping member and passing through holes in the blade and the other member, since the choice was one between alternative means obvious to any mechanic and did not have the quality of invention.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Third Circuit.

Judgment of Circuit Court of Appeals reversed and that of District Court affirmed.

Mr. George E. Middleton (*Mr. C. M. Palmer* with him on the brief) for petitioner.

Mr. Henry R. Ashton (*Mr. Charles Neave* with him on the brief) for respondent.

Mr. Justice ROBERTS delivered the opinion of the Court.

The respondent makes and sells safety razors and blades. The petitioner makes and sells only blades. The Gaisman Patent No. 1,633,739, owned by the respondent, covers both safety razor blades and razors, and for the alleged infringement by petitioner of claims 1 and 2 covering blades this suit was brought. The claims are so nearly alike that quotation of claim 1 will suffice:

"A blade having a non-circular opening substantially centrally disposed to retain the blade in shaving relation to a guard member, said blade having means spaced from said opening to cooperate with a clamping member to retain the latter in shaving relation to the blade independent of the guard member."

The novelty claimed for the patented article is that the blade acts as a positioning device or key to maintain the cap, the blade itself, and the guard, in proper relation to each other for shaving.

The District Court dismissed the bill on the ground that the patent was void for want of invention.[1] The Circuit Court of Appeals reversed, holding that the patent disclosed invention and was infringed by the petitioner's blade.[2] The Circuit Court of Appeals for the Second Circuit has decided that a blade like the petitioner's in all important features does not infringe.[3] In view of the conflict certiorari was granted.

Safety razors of the Gillette type combine these elements: A guard, a cap or backing member, a blade, a handle, and means to clamp the blade in shaving position between the cap and the guard. King C. Gillette accomplished a major advance in the art when he conceived a double-edged blade so thin and flexible as to require external support to give rigidity to its cutting edge and a safety razor embodying such a blade. In 1904 he was awarded a patent, No. 755,134, for this invention. He claimed—

"as a new article of manufacture a detachable razor-blade of such thinness and flexibility as to require external support and give rigidity to its cutting edge."

He made further claims of which the following may be taken as typical:

"In a razor, the combination with a perforated blade of a holder comprising a guard, a backing, a handle, and positioning and clamping means passing through the perforations in the blade."

His patent, which was sustained with respect to the claims both for the blade and for the razor,[4] expired years before the issue of that which is the subject of the present litigation. In Gillette's specifications and drawings the means disclosed for holding the blade in position between the guard and the cap are two metal arms secured to the base of the guard and turned upwards to pass through the guard near each end. The blade and the cap have slots through which these metal arms pass when the razor is assembled. The function of the arms is described thus: "To position the blade with respect to the guard and hold it against lateral movements." The patent also discloses that the cap and guard are to be clamped together upon the blade by a threaded post set in the centre of the cap passing through a hole in the centre of the blade and another in the centre of the guard and screwed into the end of the handle. In commercial practice Gillette substituted for the arms affixed to the guard two pins or posts set in the transverse median line of the cap equidistant from the centre. He then made his blade and guard with two corresponding holes so that in assembling the razor these posts or pins passed through the blade and the guard and held the blade in position when the handle was screwed upon the centre post of the cap to clamp the blade in shaving position. After the granting of the Gillette patent many others having to do with safety razors of a similar type were issued. These exhibited various means for fixing and holding a blade in position between cap and guard, although invention apparently was not claimed to consist in any such positioning device. In some, a protuberance was placed on the guard to fit into a slot in the blade and pass through that into an appropriate recess in the cap. In others pins were set in the guard to pass through holes in the blade and thence into sockets in the

[1] 13 F. Supp. 505.
[2] 83 F.(2d) 541.
[3] *Gillette Safety Razor Co.* v. *Hawley Hardware Company*, 64 F.(2d) 10.
[4] *Gillette Safety Razor Co.* v. *Clark Blade & Razor Co.*, 187 Fed. 149; affirmed in *Clark Blade & Razor Co.* v. *Gillette Safety Razor Co.*, 194 Fed. 421.

cap. Still others showed the same device as Gillette used commercially. Several showed slots cut in the end of the blade and cap to be engaged by pins or springs extending from the guard. In others, the procedure was reversed, the slots being in the end of the blade and guard to be engaged by pins or lugs set in the ends of the cap. In most of these patents, as in Gillette's combination, the device adopted locked together all three members, guard, blade, and cap. In Gaisman's construction the guard carries a non-circular protuberance and the blade has a hole cut into it to fit snugly over this protuberance. The blade also has notches in its ends or corners and the cap is provided with corresponding pins or lugs to engage these notches. The protuberance on the guard, although passing through and fixing the blade in position with reference to the guard, has no functional connection with the cap. On the other hand, the lugs on the cap which position the blade with respect to it do not engage the guard or have any functional connection with the latter. The advantages claimed for this method are that it renders assembly of the razor easier and also makes possible a more accurate location of the shaving edge of the blade relative to the edges of cap and guard, because, in the old pin or post type, greater tolerances had to be allowed with consequent possibility of excessive shifting of the blade in relation to the other two members; or such tolerances had to be overcome in the manufacture of the parts, greatly increasing the cost of production. Thus it is said that, with the same manufacturing routine, the respondent's new so-called Goodwill razor, embodying the Gaisman construction, permits a possible shifting of the blade of not over three one-thousandths of an inch as compared with five one-thousandths of an inch in the old design.

Though the petitioner's blade closely resembles the Gaisman blade furnished by the respondent for use in its Goodwill razor, we lay to one side the inquiry whether the similitude is such as to constitute infringement, since we hold the patent invalid for lack of invention.

As already suggested, every safety razor consisting of a combination of guard, cap, blade, and clamping means must also provide means to keep the blade in position relative to the cap and guard. The means adopted have been various. Gillette resorted to the device of square rods or round pins fixed either to the guard or to the cap and slots or holes in the blade and the other member through which the rods or pins should pass to fix the blade in position. Gaisman fixed the blade relative to the guard by one set of lugs and slots and fixed it in relation to the cap by another set of lugs and slots. The choice was one between alternative means obvious to any mechanic; it did not have the quality of invention.

So ordered.

The judgment of the Circuit Court of Appeals is reversed and that of the District Court affirmed.

U. S. Court of Customs and Patent Appeals

MORGENSTERN AND HACKENBERG *v.* BURTON

No. 3,810. Decided November 30, 1936

1. APPEALS—RECORD—WHAT CONSTITUTES.
"The record which, under the statute, we are at liberty to accept and consider is only that record which is actually shown to have been presented in the Patent Office."

2. SAME—SAME.
References made to a patent in arguments and briefs before the tribunals of the Patent Office *Held* not to render such patent, arguments, or briefs evidence to be considered on appeal where it does not appear that such matter was ever considered for any purpose by the tribunals of the Patent Office, and a motion to add such matter to the record on appeal denied.

MOTION to enlarge record. Denied.

Mr. Eugene C. Brown for Morgenstern and Hackenberg.

Mr. James W. Schmied for Burton.

PER CURIAM:

On October 29, 1936, counsel for appellee in this case filed in this court a motion entitled "Motion for Writ of Certiorari to Correct Diminution of the Record."

The motion set forth the matter which it was sought to have added to the record as follows:

[1] A certified copy of specification and drawings of United States patent to H. H. Haglund, 1,901,296, granted March 14, 1933.

[2] A certified copy of that part of the brief in behalf of Burton in opposition to Morgenstern et al's motion to dissolve filed on or about May 18, 1935, before the Primary Examiner, beginning at page 5, line 20 thereof to and including page 6, line 5.

[3] A certified copy of that portion of Burton's brief in opposition to the appeal of Morgenstern et al. filed before the Board of Appeals on or about January 7, 1936, beginning at page 4, line 4 thereof to and including line 37.

Counsel for appellant filed opposition to the motion.

The court carefully examined the motion in connection with the printed record and, it appearing that none of the matters which appellee sought to have included were shown to have been *a part of the official record* upon which the case was tried before the Board of Appeals of the United States Patent Office, the motion was denied. As has been our customs in such cases, many of which have been before us, no opinion was written and no reasons for the denial given, it being our supposition that counsel would understand the reasons.

However, counsel for appellee has now filed a second motion to accomplish the end first sought. Appellants oppose this motion also. The second motion states the reasons for the application more elaborately than did the first, but there is nothing new presented tending to show that the Haglund patent was ever actually introduced *into the record* as evidence, or for any other purpose, or considered by any of the Patent Office tribunals, while the case was pending in the Patent Office. The motion, after setting forth the matter alleged to be contained in the Haglund patent which it particularly desires to have incorporated, does state that that patent was urged before the Examiner of Interferences and before the Board of Appeals *in arguments* "which led to the concurring decisions in favor of the appellee," and says that "The additional record to be certified will show this to be a fact."

We do not find any reference to the Haglund patent in the decision of the Primary Examiner, or in the decision of the Examiner of Interferences, or in either of the two decisions (a second decision having been rendered on a request for reconsideration) of the Board of Appeals. There is nothing to show that it was ever offered in evidence, or for any purpose whatsoever. Indeed, we find no mention of it at any place in the printed record before us.

R. S. §4914 (35 U. S. C. A. 62), which defines this court's jurisdiction provides:

> The court, on petition, shall hear and determine such appeal, • • • on *the evidence produced before the commissioner* • • • ; and the revision shall be confined to the points set forth in the reasons of appeal. [Italics ours.]

There is nothing in the reasons of appeal which refers to the Haglund patent.

[1] The numerous instances in which motions, similar to that made by appellee here, have been presented to this court have caused us to depart from our customary practice and, in order to advise in particular the attorneys who may appear before us in patent cases, set forth our views in this opinion. (The record which, under the statute, we are at liberty to accept and consider is only that record which is actually shown to have been presented in the Patent Office.)

[2] References which may have been made to the Haglund patent in the arguments and briefs before the tribunals of the Patent Office could not render that patent "evidence," and certainly a brief used before those tribunals is not evidence to be made a part of the record. Briefs are ordinarily prepared and presented by counsel; they are arguments, not evidence. Counsel for appellee is not entitled, as a matter of legal right, to have his arguments or brief before the tribunals of the Patent Office, or any part of same, included in this record as a part thereof, and should the court grant the application to include such, it would be admitting to the record something not *evidence* "before the Commissioner." *Dubbs* v. *Beatie*, 21 C. C. P. A. (Patents) 1240, 71 F.(2d) 302, 449 O. G. 509.

It not appearing that any of the matter which appellee seeks to have included in the record was a part of the "evidence produced before the Commissioner," or that it was ever considered for any purpose by the tribunals of the Patent Office, he is not entitled as a matter of legal right to have it made a part of the record before us. There is no showing that anything was omitted from the record which should have been included. In other words, there was no diminution of the record in this case.

Accordingly, the motion of appellee is again denied.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,281,027, G. A. Kramer, Refrigerating apparatus; 1,825,731, H. B. Hull, same; 1,832,089, Braeutigam & Holbrook, same; 1,867,539, J. T. Rauen, Refrigerator, D. C., S. D. Iowa (Des Moines), Doc. 4555, *General Motors Corp.* v. *S. Davidson & Bros., Inc.* Dismissed Nov. 19, 1936.

1,307,734, A. V. Gullborg, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus; C. C. A., 8th Cir. (St. Louis), Doc. 10,524, *M. Dysthe et al.* v. *Alemite Corp.* Dismissed Nov. 17, 1936.

1,324,983, R. R. Rosenbaum, Process and apparatus for treating hydrocarbons; 1,456,419, J. C. Black, Process and apparatus for the production of low boiling point hydrocarbons; 1,734,079, W. M. Cross, Heater; 1,869,337, Howard & Loomis, Art of converting oil, C. C. A., 10th Cir., Doc. 1336, *Gasoline Products Co., Inc.*, v. *Champlin Refining Co.* Decree affirmed Nov. 18, 1936.

1,397,600, W. O. Owen, Production of "dissolve" effects in moving picture films. 1,397,601, same, Device for use in fade printing; 1,397,602, same, Production of insets on moving picture films, D. C., S. D. Calif. (Los Angeles), Doc. E 826–Y, *A. R. Owen* v. *Columbia Pictures Corp. et al.* Dismissed on plaintiff's motion Nov. 17, 1936.

1,397,601. (See 1,397,600.) 1,397,602. (See 1,397,600.)

1,442,977, Schwuchow & Johnstone, Etching machine; 1,467,432, G. F. Johnstone, Clamping contact terminal, filed Oct. 9, 1936, D. C., N. D. Ill., E. Div., Doc. 15,370, *G. F. Johnstone et al.* v. *K. Mertens et al.*

1,456,419. (See 1,324,983.) 1,467,432. (See 1,442,977.)

1,475,980. (See 1,307,734.)

1,480,014, F. L. Scott, Self cleaning roller drill; 2,011,084, same, Mounting for drill cutters; 1,647,753, Scott & Wellensiek, Drill cutter; 1,856,627, H. W. Fletcher, Cutter for earth boring drill; 2,030,442, Garfield & Scott, Roller bearing bit, filed Nov. 20, 1936, D. C., W. D. Okla. (Oklahoma City), Doc. E 1925, *Hughes Tool Co.* v. *William Iron Works Co.*

1,494,916, J. H. Jones, Clothes rack, D. C., S. D. Calif. (Los Angeles), Doc. E W–55–S, *E. Brown et al.* v. *Pryne & Co., Inc.* Dismissed Nov. 19, 1936.

1,536,988, H. Thomassen, Process for freeing paper pulp from impurities, D. C., S. D. Ohio, W. Div., Doc. E 795, *Centrifugal Engineering & Patents Corp.* v. *The Black-Clawson Co.* Decree on mandate reversing decree of lower court, and dismissing bill Nov. 21, 1936.

1,570,297, F. L. Dyer, Art of recording and reproducing sounds, filed Nov. 17, 1936, D. C., S. D. N. Y., Doc. E 84/126, *F. L. Dyer* v. *Decca Records, Inc.*

1,584,531, H. L. Hagan, Stereopticon slides, filed Oct. 1, 1936, D. C., N. D. Ill., E. Div., Doc. 15,366, *F. C. Brady (Screeno Amusement Co.)* v. *P. S. Fischer.* Same, petition for Declaratory Judgment, filed Nov. 10, 1936, D. C., N. D. Ill., E. Div., Doc. 15,392, *Hollywood Amusement Co., Inc.*, v. *F. C. Brady (Screeno Amusement Co.).*

1,628,954, H. H. Dedmon, Card display receptacle for automobiles, filed Oct. 6, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 1028–C, *H. H. Dedmon (Standard Holder Co.)* v. *J. J. Newberry Co. et al.*

1,647,753. (See 1,480,014.) 1,652,005. (See 1,839,959.) 1,666,304, B. A. Proctor, Projecting machine; 1,666,305, same, News projecting machine; 1,666,306, same, Tension control for ticker tape; 1,666,307, same, Jump absorbing mechanism; 1,910,154, A. D. Eltzen, Tape locking means; 2,045,536, 2,045,539, same, Tape drawing device; 2,045,537; same, Stock quotation projecting machine; 2,017,655, J. W. Decker, Ticker tape controlling means; 2,047,621, same, Pneumatic vibration absorbing device; 2,030,900, J. A. Spencer, Quotation projecting or analogous apparatus; Re. 19,727, same, Stock quotation projecting machine and method for feeding tape therethrough, filed Nov. 18, 1936, D. C., S. D. N. Y., Doc. E 84/134, *Trans-Lux Movie Ticker Corp. et al.* v. *H. A. Libaire et al. (Libaire & Co.).*

1,666,305. (See 1,666,304.) 1,666,306. (See 1,666,304.)

1,666,307. (See 1,666,304.)

1,679,828, S. J. Johnson, Garment bag, filed Oct. 16, 1936, D. C., N. D. Ill., E. Div., Doc. 15,373, *Clopay Corp.* v. *Cromwell Paper Co.*

1,687,510, M. Pipkin, Electric-lamp bulb, D. C., S. D. N. Y., Doc. E 72/388, *General Electric Co.* v. *Philip Freeman Co., Inc., et al.* Consent decree for plaintiff (notice Nov. 17, 1936).

1,695,302, F. W. Thompson, Electric heater, filed Nov. 20, 1936, D. C. Conn. (New Haven, Doc. E 2573, *F. W. Thompson et al.* v. *Westinghouse Electric & Mfg. Co. et al.* 1,711,706, H. F. Weiss, Method of making wood pulp, D. C., E. D. La. (New Orleans), Doc. 20,750, *The Bauer Bros. Co.* v. *The Bogalusa Paper Co.* Dismissed Nov. 16, 1936.

1,718,929, Smith & Julien, Weather strip, D. C. Ohio (Cleveland), Doc. 5394, *Chamberlain Metal Weather Strip Co.* v. *E. D. Barringer* (*Barland Weatherstrip Material Co.*). Dismissed Nov. 20, 1936.

1,724,680, P. C. Ripley, Rosin core solder, appeal filed Nov. 20, 1936, C. C. A., 2d Cir., Doc. —, *Kester Solder Co.* v. *Berry Solder Co., Inc., et al.*

1,734,079. (See 1,324,983.)

1,743,454, G. H. Howenstein, Sash guide, filed Nov. 18, 1936, D. C., E. D. Mich. (Detroit), Doc. 7779, *The N. S. W. Co. et al.* v. *Wholesale Lumber & Millwork, Inc., et al.*

1,776,093, R. C. Underwood, Tape puller; 1,888,623, R. L. Daine, Tape pulling device; 1,900,421, E. H. Unkles, Tape puller; Re. 19,670, J. Ward, Method and apparatus for feeding tape and projecting images therefrom, filed Nov. 18, 1936, D. C., S. D. N. Y., Doc. E 84/136, *Trans-Lux Movie Ticker Corp. et al.* v. *F. A. Morny et al.*

1,789,150, McWeeny & McCord, Resistance units, D. C., E. D. N. Y., Doc. E 7342, *The Muter Co.* v. *Clarostat Mfg. Co., Inc.* Dismissed Nov. 20, 1936.

1,818,268, Q. G. Noblitt, Heating apparatus for vehicles; 1,870,378, Noblitt & Booth, Mounting for automobile heater; 1,872,794, Adjustable deflector for automobile heaters, filed Nov. 2, 1936, D. C., N. D. Ill., E. Div., Doc. 15,382, *Noblitt-Sparks Industries, Inc.*, v. *Excel Auto Radiator Co.*

1,825,731. (See 1,281,027.)

1,829,899, H. N. James, Apparatus for the rectification and amplification of sound waves, filed Nov. 4, 1936, D. C., N. D. Ill., E. Div., Doc. 15,387, *H. N. James et al.* v. *Jensen Radio Mfg. Co.*

1,832,089. (See 1,281,027.)

1,838,406, A. H. Jung, Fuse clamp, filed Oct. 5, 1936, D. C., N. D. Ill., E. Div., Doc. 15,367, *Trico Fuse Mfg. Co.* v. *J. W. Becker et al.* (*Ideal Commutator Dresser Co.*).

1,839,590. (See 1,839,959.)

1,839,959, D. E. Gamble, Friction clutch; 1,652,005, same. Clutch plate; 1,839,590, H. V. Reed, same, filed Oct. 22, 1936, D. C., N. D. Ill., E. Div., Doc. 15,378, *Borg-Warner Corp.* v. *Western Tire & Auto Stores, Inc.*

1,842,922, P. von Frantzius, Pistol, filed Oct. 21, 1936, D. C., N. D. Ill., E. Div., Doc. 15,376, *Hercules Gas Munitions Corp.* v. *W. P. Norcott.*

1,856,627. (See 1,480,014.) 1,867,539. (See 1,281,027.)

1,869,337. (See 1,324,983.) 1,870,378. (See 1,818,268.)

1,872,794. (See 1,818,268.)

1,879,604, E. E. Dillman, Means and method for welding tanks, D. C., N. D. Tex. (Ft. Worth), Doc. 820, *Wyatt Metal & Boiler Works* v. *J. B. Klein Iron & Foundry Co. et al.* Dismissed (notice Nov. 21, 1936).

1,880,534, 1,998,177, Von Bramer & Zabriskie, Production of hydroquinone, filed Nov. 3, 1936, D. C., N. D. Ill., E. Div., Doc. 15,383, *Eastman Kodak Co.* v. *Carus Chemical Co.*

1,888,623. (See 1,776,093.) 1,900,421. (See 1,776,093.)

1,910,154. (See 1,666,304.)

1,910,154, A. D. Eitzen, Tape locking means; 2,045,536, 2,045,539, same, Tape drawing device; 2,045,537, same, Stock quotation projecting machine; 2,030,900, J. A. Spencer, Quotation projecting or analogous apparatus; 2,017,655, J. W. Decker, Ticker tape controlling means; 2,047,621, same, Pneumatic vibration absorbing device; Re. 19,727, same, Stock quotation projecting machine and method for feeding tape therethrough, filed Nov. 18, 1936, D. C., S. D. N. Y., Doc. E 84/135, *Trans-Lux Movie Ticker Corp. et al.* v. *F. A. Morny et al.*

1,922,133, H. S. Houghlum, Windshield heater for motor vehicles; 2,048,217, M. Peterson, Windshield heater, filed Nov. 9, 1936, D. C., N. D. Ill., E. Div., Doc. 15,390, *M. Peterson* (*Liberty Mfg. Co. et al.*) v. *A. Schwechter* (*Ajax Mfg. Co.*) *et al.* Doc. 15,389, *M. Peterson* (*Liberty Mfg. Co. et al.*) v. *R. M. Decker Co., Inc., et al.*

1,995,879, G. B. Benander, Lamp socket and current tap, filed Nov. 18, 1936, D. C., E. D. N. Y., Doc. E 8163, *The Monowatt Electric Co.* v. *Leviton Mfg. Co.*

1,998,177. (See 1,880,534.)

2,007,083, C. W. Griffith, Shooting gallery, filed Nov. 10, 1936, D. C., N. D. Ill., E. Div., Doc. 15,393, *Phoebus Corp. et al.* v. *Rock-Ola Mfg. Corp. et al.* Same, filed Nov. 17, 1936, D. C., E. D. Mich. (Detroit), Doc. 7778, *Phoebus Corp. et al.* v. *B. J. Marshall, Inc.*

2,011,084. (See 1,480,014.)

2,017,655. (See 1,666,304 and 1,910,154.)

2,025,691, H. A. Mintz, Stamping machine, filed Nov. 9, 1936, D. C., N. D. Ill., E. Div., Doc. 15,391, *Franklin Patent Co., Inc.*, v. *C. & E. Marshall Co.*

2,030,442. (See 1,480,014.)

2,030,900. (See 1,666,304 and 1,910,154.)

2,045,536. (See 1,666,304 and 1,910,154.)

2,045,537. (See 1,666,304 and 1,910,154.)

2,045,539. (See 1,666,304 and 1,910, 154.)

2,047,621. (See 1,666,304 and 1,910,154.)

2,048,217. (See 1,922,133.)

2,052,014, C. W. Chamberlain, Heat transfer method and apparatus, filed Oct. 7, 1936, D. C., N. D. Ill., E. Div., Doc. 15,368, *Kold-Hold Mfg. Co.* v. *Dole Refrigerating Co.*

2,054,511, J. Hornicek, Spacing and supporting means for brick veneer walls; 2,054,512, E. V. Kerner, Locking means for tiles and bricks, filed Nov. 18, 1936, D. C. W. D. Pa., Doc. E 3247, *Starlock Mfg. Co.* v. *Correct Mfg. Co.*

2,054,512. (See 2,054,511.)

2,059,043, H. Schwerner, Sculptured display bust, D. C., S. D. N. Y., Doc. E 84/92, *H. Schwerner* v. *J. Sanders et al* (*Sanders Display Co.*). Consent decree granting injunction (notice Nov. 17, 1936).

2,059,821, F. Spitalny, Vanity case construction, filed Nov. 18, 1936, D. C. R. I., Doc. E 550, *Volupte, Inc.*, v. *Kotler Kopit, Inc.*

Re. 16,724, A. Dewandre, Power brake, filed Oct. 14, 1936, D. C., N. D. Ill., E. Div., Doc. 15,371, *Societe Anonyme Servo-Frien Dewandre et al.* v. *Berg Bros. Mfg. Co.*

Re. 19,670. (See 1,776,093.)

Re. 19,727. (See 1,666,304 and 1,910,154.)

Des. 97,701, C. Emmey, Applique emblem, D. C., S. D. N. Y., Doc. E 82/210, *Frances Emblems, Inc., et al.* v. *M. Hertz et al.* (*Hertz & Tubell*). Consent decree for plaintiff (notice Nov. 16, 1936).

Des. 99,392, M. Hirsh, Cont, D. C., S. D. N. Y., Doc. E 84/88, *M. Hirsh* v. *Koen Bros., Inc.* Consent order of discontinuance (notice Nov. 18, 1936).

Des. 101,229, I. Kranz, Dress, D. C., S. D. N. Y., Doc. E 84/84, *Wellesley Modes, Inc.*, v. *Ainsley Frocks, Inc.* Consent decree for plaintiff (notice Nov. 19, 1936).

Des. 101,851, S. I. Brandt, Ensemble dress, filed Nov. 19, 1936, D. C., S. D. N. Y., Doc. E 84/138, *L. O. Rosenblatt Corp.* v. *Strand Dress Co., Inc.*

Changes in Classification

Order No. 3378, December 23, 1936, directs:

In *class 20, Wooden Buildings* (Division 33), cancel the search note following the definition of subclass 74 and add thereto the following notes:

Note.—Moldings or finishing strips combined with significant structure of a particular support, such as a chair, bed, land vehicle, ship or airplane, are classified therewith; if directed to a fabric which is formed by a novel textile operation, such as braiding, knitting, weaving, spinning or twisting, they are classified in class 28, TEXTILES, or in other appropriate textile classes; and if directed to mere laminated structure, they are classified in class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 43.

Note.—Upholstery edgings and edge-rolls for seat cushions are classified in class 155, CHAIRS AND SEATS, subclass 184; and for mattresses in class 5, BEDS, subclass 360.

Note.—Drip or gutter moldings of the type used on automobile tops are classified in class 296, LAND VEHICLES, BODIES AND TOPS, subclass 135, even if not claimed in combination with a vehicle body.

Search Classes—

16—MISCELLANEOUS HARDWARE, subclass 7, for carpet moldings.
40—CARD, PICTURE, AND SIGN EXHIBITING, subclasses 12 and 152, and indented subclasses.
189—METALLIC BUILDING STRUCTURES, subclasses 88 and 89, for metal sheathing securing devices.

In *class 155, Chairs and Seats* (Division 8), add to the definition of subclass 184 the following note:

Search Class—

20—WOODEN BUILDINGS, subclass 74, for molding or finishing strips.

In *class 189, Metallic Building Structures* (Division 33), add to the definition of subclass 88 the following note:

Note.—For moldings or finishing strips, see class 20, WOODEN BUILDINGS, subclass 74.

In *class 41, Ornamentation* (Division 17), add to the definition of subclass 33 the following note:

Note.—For similar devices using metal leaf or foil for ornamental application and methods of applying same, search this class, subclass 37;

and add to the definition of subclass 37 the following note:

Note.—For similar devices and methods using analogous material applied by transfer, search this class, subclass 33.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 56), add to the definition of subclass 47 the following note:

Note.—For metal foil mounted on a transfer base to permit transfer of the foil for ornamental purposes, search class 41, ORNAMENTATION, subclass 37.

In *class 62, Refrigeration* (Division 44), abolish the following subclass with its definition:

Refrigerators, ice
74 Scale.

The patents formerly contained in this subclass have been placed in appropriate subclasses in classes 62, REFRIGERATION, and 265, FORCE MEASURING.

In *class 62, Refrigeration* (Division 44), in the search notes following the main class definition cancel the note referring to class 73, Measuring and Testing, and substitute therefor the following note:

Search Class—

265—FORCE MEASURING, especially subclasses 64 and 65, for specific apparatus arranged in refrigerator structures for weighing ice;

and in subclass 31 add to the definition the following note:

Note.—For specific apparatus for weighing ice in refrigerator structures, see the appropriate subclasses of class 265, FORCE MEASURING.

In *class 265, Force Measuring* (Division 36), add to the definition of subclass 64 the following note:

Note.—For weighing devices of other types arranged in refrigerator structures, see the appropriate subclasses of this class.

In *class 75, Metallurgy* (Division 3), cancel the present definition and notes for subclass 22 and substitute the following:

22. Processes for producing metals and alloys in a solid and compact state from pieces of metal or metal-bearing ingredients without melting all of the ingredients, and products produced by such processes.

(1) Note.—The material is ordinarily in powdered or finely divided form.
(2) Search this class, subclasses 136 and 137, for corresponding processes limited to carbides, oxides, nitrides and borides of metals with a metallic cementing material.
(3) Note.—See this class, subclasses 25, 26, 44 and 84.
(4) Note.—See class 29, METAL WORKING, subclass 160.5, for processes of making ingots and articles from comminuted metal, utilizing pressure only, also for processes as provided for above, involving subsequent mechanical shaping;

and in subclass 44 add to the definition the following note:

Note.—See class 29, METAL WORKING, subclass 160.5.

In *class 29, Metal Working* (Division 14), add to the definition of subclass 160.5 the following note:

Search Class—

75—METALLURGY, subclasses 22, 136, and 137, for related processes and products. The line is stated in a note to class 75, subclass 22.

In *class 99, Foods and Beverages* (Division 63), change the title of subclass 217 to read:

Preservation
Sterilization and pasteurization
217 Wave energy (non-electrical),

and change the definition to read as follows:

217. Processes of subjecting foodstuffs to the action of various forms of non-electrical wave energy, for example, high frequency mechanical oscillations, to sterilize or pasteurize the same, and the resulting products.

(1) Note.—Compare this class, subclasses 12, 13, 247 and 248.
(2) Note.—For electrical energy utilization, see particularly this class, subclasses 221, 233, 253, and 274.
(3) Note.—For similar treatments of non-food materials, see class 21, PRESERVING, DISINFECTING, AND STERILIZING.

In *class 99, Foods and Beverages* (Division 63), add to the definition of subclass 12 the following note:

Note.—See this class, subclasses 217, 218, 247, and 248, for non-electrical, and subclasses 221, 233, 253, and 274, for electrical, energy utilization;

and add to the definition of subclass 247 the following note:

(1) Note.—See this class, subclasses 217 and 218, for non-electrical, and subclasses 221, 233, 253, and 274, for electrical, energy utilization,

and change the numbers of existing search notes (1), (2), and (3) to (2), (3), and (4).

In *class 117, Textiles, Twisting or Twining* (Division 21), establish the following subclass and definition:

9.5. **Multiple twist, unitary rotary devices.**

9.5. A unitary twisting or twining device imparts a plurality of twists to the strands for each rotation of the device. For example, devices which twist strands by bodily revolving a loop or loops of the strands about the spool or spools from which they are delivered or on which they are being wound, and thus form two twists for each revolution of each loop, are here.

Note.—For plural devices which operate together to impart multiple twists, see this class, subclasses 16+, 24+, and 47.

The patents contained in this subclass have been taken for the most part from various subclasses in class 117.

In *class 117, Textiles, Twisting or Twining* (Division 21), add to the definitions of subclasses 46 and 49 the following note:

Note.—Search this class, subclass 9.5, for unitary devices of this type constructed or arranged to impart multiple twists for each revolution.

In *class 126, Stoves and Furnaces* (Division 19), abolish the following subclass, with its definition:

Stove doors and windows
190 Thermometer attachments.

The patents formerly contained in this subclass have been placed in class 126, subclasses 190 and 200, and in class 73, MEASURING AND TESTING, subclass 52.

In *class 126, Stoves and Furnaces* (Division 19), add to the definition of subclass 190 the following note:

Note.—For stove doors or windows combined with and modified to receive thermometers, and wherein no more of the door or window is claimed than is necessary to provide a locus or support for the thermometer, see class 73, MEASURING AND TESTING, subclass 52, and indented subclasses.

In *class 180, Motor Vehicles* (Division 10), abolish the following subclasses, with their definitions:

Running gear
86 Body frames,
87 Underframes, parallel axles.

The patents formerly contained in these subclasses have been placed in class 180, subclass 85, and class 280, LAND VEHICLES, subclasses 80, 106, and 111.

In *class 180, Motor Vehicles* (Division 10), cancel the second note following the definition of subclass 85 and substitute therefor the following:

Note.—For running gear not limited to use on motor vehicles see class 280, LAND VEHICLES, subclass 80, and indented subclasses.

In *class 206, Special Receptacles and Packages* (Division 40), add to the definition of subclass 15.1 the following note:

Note.—See class 91, COATING, subclass 63.

In *class 91, Coating* (Division 46), add to the definition of subclass 63 the following note:

Note.—See class 206, SPECIAL RECEPTACLES AND PACKAGES, subclass 15.1.

In *class 209, Classifying, Separating, and Assorting Solids* (Division 25), establish the following subclass and definition:

Sifting
Elements
Actuating
Reciprocating
Gyrating
366.5 Unbalanced weight.

366.5. Devices coming under subclass 366 in which gyration is caused or aided by an unbalanced weight.

The patents contained in this subclass have been taken for the most part from class 209, subclasses 366 and 367.

In *class 209, Classifying, Separating, and Assorting Solids* (Division 25), in the first note following the definition of subclass 367 change the last number "366" to 366.5.

Changes in Classification

Order No. 3,379, December 30, 1936, directs:

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), add to the definition of subclass 167 the following note:

Note.—For specific lock structure per se, see Class 70, LOCKS, appropriate subclasses.

In *class 40, Card, Picture, and Sign Exhibiting* (Division 35), add to the definition of subclass 15 the following note:

Note.—For other locks of special application, see class 70, LOCKS, appropriate subclasses beginning with subclass 57.

In *class 59, Chain, Staple, and Horseshoe Making* (Division 57), abolish the following subclasses, with their definitions:

96 **Key holders**
97 Flexible,
98 One piece,
99 Rotary and sliding closures.

The patents formerly contained in these subclasses have been placed for the most part in class 70, Locks, subclasses 456–459, respectively, established in this order.

In *class 59, Chain, Staple, and Horseshoe Making* (Division 57), cancel the following words at the end of the second sentence of the main class definition:

"and the article subclasses of key-holders;" and add to the second note, *Search classes*, following the definition of subclass 86 the following:

70—LOCKS, subclass 18, for shackles embodying lock mechanism.

In *class 116, Signals and Indicators* (Division 35), add to the definition of subclass 114 the following note:

Note.—For devices for indicating the condition of a locking mechanism, see class 70, LOCKS, appropriate subclasses indented under subclass 432.

In *class 126, Stoves and Furnaces* (Division 19), add to the definition of subclass 42 the following note:

Note.—For valve encasing locks designed to prevent unauthorized operation of the encased valve, see class 70, LOCKS, subclass 178.

In *class 150, Cloth, Leather, and Rubber Receptacles* (Division 29), add to the definition of subclass 40 the following note:

Note.—For key-holder construction per se, in a container, wherein the container constitutes a conventional structure serving as a location for the key holder, see class 70, LOCKS, subclass 456;

and add to the definition of subclass 52 the following note:

Note.—For protectors for padlocks wherein the padlock is specifically involved, see class 70, LOCKS, subclasses 54 and 55.

In *class 179, Telephony* (Division 16), add to the definition of subclass 189 the following note:

Note.—For portable cylinder locks wherein the entire cylinder constitutes a detachable or removable locking unit, see class 70, LOCKS, subclass 371.

In *class 211, Supports, Racks* (Division 8), add to the definition of subclass 4 the following note:

Note.—For locking supports wherein the support is only sufficiently modified for the accommodation of the locking mechanism, see class 70, LOCKS, subclass 62.

In *class 215, Bottles and Jars* (Division 58), add to the definition of subclass 98 the following note:

Search Class—
70—LOCKS, appropriate subclasses indented under subclass 158.

In *class 217, Wooden Receptacles* (Division 40), add to the definition of subclass 106 the following note:

Note.—For portable locks wherein a cylinder lock constitutes a detachable or removable locking unit in the form of a plug, see class 70, LOCKS, subclass 371.

In *class 248, Supports* (Division 52), add to the definition of subclass 203 the following note:

(3) Note—For locks for supported portable articles wherein the support is unmodified except for the accommodation of the locking mechanism, see class 70, LOCKS, subclass 62.

In *class 292, Closure Fasteners* (Division 20), add to the definition of subclass 307 the following note:

Note.—For seals specifically applied to locks, see class 70, LOCKS, subclasses 50 and 440.

In *class 312, Supports, Cabinet Structures* (Division 8), add to the definition of subclass 193 the following note:

Note.—For locking devices specifically applied to cabinet closures wherein the closure is modified only for the accommodation of the locking mechanism and does not constitute a significant feature, see class 70, LOCKS, appropriate subclasses indented under subclass 78.

In *class 70, Locks and Latches* (Division 20), change the title of the class to read 70, Locks, abolish the existing subclass titles, and establish in lieu thereof the subclasses indicated in the new loose leaves now being printed for insertion in the Manual of Classification, and the definitions which will appear in Bulletin No. 71.

(Note.—Lists of the subclass titles, and the definitions, may be seen in the Search Room and in the Classification Division, Room 3623, pending publication.)

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 12, 1937

[VOL. 474. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 378,127. BLUE BLAZE COAL COMPANY, Clarksville, Ark. Filed May 7, 1936.



The words "It's as Hot as Blue Blazes", "Arkansas", "Blue Blaze", and "Anthracite" are disclaimed apart from the mark shown.

For Coal.

Claims use since Apr. 5, 1936.

Ser. No. 378,705. PERLSTEIN BROTHERS, New York, N. Y. Filed May 21, 1936.



The word "Oak" is disclaimed apart from the mark as shown.

For Sole Leather.

Claims use since January, 1927.

Ser. No. 380,115. MORRIS SCHWARTZ FUR CORP., New York, N. Y. Filed June 23, 1936.



The words "Seal-Dyed-Coney" and "Normandie" are disclaimed apart from the mark as shown.

For Raw, Treated, and Dyed Fur Skins and Parts Thereof.

Claims use since June 1, 1936.

Ser. No. 382,785 BABY CALF DISTRIBUTORS, INC., New York, N. Y. Filed Sept. 1, 1936.



The word "Calf" is disclaimed apart from the mark shown.

For Leather Skins and Leather Hides.

Claims use since July 20, 1936.

Ser. No. 385,451. RED JACKET COAL SALES COMPANY, Columbus, Ohio. Filed Nov. 12, 1936.



The word "Smokeless" is disclaimed.
For Coal.
Claims use since Sept. 1, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 365,399. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed May 25, 1935.

Lacquer-Tone

The word "Lacquer" is disclaimed apart from the mark.
For Liquid Cleaner Containing Abrasive Material Suspended Therein and Used for Cleaning Lacquered and Enameled Surfaces and the Like.
Claims use since July, 1934.

Ser. No. 372,662. ECONOMICS LABORATORY, INC., St. Paul, Minn. Filed Dec. 16, 1935.

MIKROKLENE

For Cleaning Compound for All Types of Hand Washing.
Claims use since May 1, 1935.

Ser. No. 384,498. R. G. BINYON & CO., San Francisco, Calif. Filed Oct. 19, 1936.

ÁDENT

For Cleanser for Artificial Dentures.
Claims use since Dec. 1, 1933.

Ser. No. 384,750. A. M. LADD, doing business as Ever-Nu Laboratories, Los Angeles, Calif. Filed Oct. 24, 1936.

EVER-NU

For Liquid Rubber Cleanser and Renewer.
Claims use since Oct. 12, 1936.

Ser. No. 384,811. JOHN M. MINNEC, doing business as Super-X Cleanser Co., Berwyn, Ill. Filed Oct. 26, 1936.

SUPER-X



For Cleanser for General Household and Industrial Purposes.
Claims use since May 1, 1936.

Ser. No. 384,861. PADOLA CORPORATION, New York, N. Y. Filed Oct. 27, 1936.

Padola

For Brushless Shaving Cream, Shaving Cream, All Kinds of Soaps, Steel Wool Cleaning Pads, Metal and Glass Cleaner Which Restores Polish.
Claims use since April, 1936.

Ser. No. 384,910. SYNDICATE-ALLIANCE TRADING CO. INC., New York, N. Y. Filed Oct. 28, 1936.



For Hand or Toilet Soap.
Claims use since Sept. 30, 1936.

Ser. No. 385,533. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Nov. 14, 1936.

WHOPPER

For Laundry Soap.
Claims use since Oct. 13, 1936.

Ser. No. 385,564. THE CLEVELAND CLEANER AND PASTE COMPANY, Cleveland, Ohio. Filed Nov. 16, 1936.

VELVET

For Wall Paper Cleaner.
Claims use since Oct. 12, 1936.

Ser. No. 385,582. E. F. HOUGHTON & CO., Philadelphia, Pa. Filed Nov. 16, 1936.

HOCOLOID

For Colloidal Clay to be Used as a Detergent for Scouring Purposes.
Claims use since Nov. 5, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 362,427. WILLIAM H. LOVELAND COMPANY, Binghamton, N. Y. Filed Mar. 12, 1935.

Speedee

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Skin Whitener in Liquid and Solid Form, Face Packs, Eyebrow and Eyelash Grower, Eye Drops, Hand Lotions, Eyebrow Pencils, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powder, Sachets, Hair Salves, Hair Elixirs, Chemical Preparations for Darkening the Lashes and Eyebrows, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powder, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Disinfectants, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Jan. 25, 1935.

Ser. No. 363,301. SUPREME LABORATORIES, Chicago, Ill. Filed Apr. 1, 1935.

FAO

For Medicines, Antiseptics, and Pharmaceutical Preparations and Particularly the Following Medicines—Antiseptic, Medicated Shampoo, Elixir, Taenicide, Vermifuge Capsules, Ointment, Ear Canker Lotion, Distemper Tablets and Mange Tablets, Excluding Medicinal Preparations for Injection Into the Blood Stream.
Claims use since Mar. 28, 1935.

Ser. No. 367,263. E. R. SQUIBB & SONS, New York, N. Y. Filed July 13, 1935.

AMPLON

For Anesthetics.
Claims use since July 3, 1935.

Ser. No. 367,264. E. R. SQUIBB & SONS, New York, N. Y. Filed July 13, 1935.

CYLINDRON

For Anesthetics.
Claims use since July 3, 1935.

Ser. No. 376,573. CEDERIT COMPANY, San Francisco, Calif. Filed Mar. 30, 1936.

CEDERIT

For Wall Coating Preparation for Moth Control.
Claims use since Feb. 17, 1936.

Ser. No. 378,292. AMERICAN MARINE PAINT COMPANY, San Francisco, Calif. Filed May 11, 1936.

SOLVOID

For Chemical Compositions for Use as a Water Softener with Incidental Properties as a General Cleanser.
Claims use since June, 1935.

Ser. No. 378,293. AMERICAN MARINE PAINT COMPANY, San Francisco, Calif. Filed May 11, 1936.



The words "Liquid Cleanser" are disclaimed apart from the mark.
For Chemical Compositions for Use as a Water Softener with Incidental Properties as a General Cleanser.
Claims use since June, 1935.

Ser. No. 379,599. ROBERT ALEXANDER BACHMANN, Newport, R. I., assignor to The Sanitube Company, Newport, R. I., a co-partnership. Filed June 12, 1936.

EYE-JO

For Eye Drops.
Claims use since Apr. 15, 1936.

Ser. No. 379,858. ALDO VENEZIANI, Milan, Italy. Filed June 17, 1936.

CITROSIL

For Liquid or Solid Disinfectant with Vegetable Essences Base.
Claims use since Mar. 30, 1936.

Ser. No. 381,597. LEMUEL ALLAN WILMOT, Toronto, Ontario, Canada. Filed July 29, 1936.

I-O-VIM

For Tonic Salts for Human Consumption to Combat Mineral Deficiency Debilities.
Claims use since Mar. 21, 1934.

Ser. No. 382,101. NUTRITIONAL RESEARCH ASSOCIATES, INC., South Whitley, Ind. Filed Aug. 12, 1936.

CAREX

For Vegetable Oil Extract as a Valuable Aid in the Treatment of Anemia, Constipation, Enlarged Glands, Insomnia and Nervousness, and Ailments That Develop as a Result of Lack of Vitamin Deficiency.
Claims use since June 1, 1936.

Ser. No. 383,095. ARTHUR G. HULETT, Los Angeles, Calif. Filed Sept. 10, 1936.

VIVAL

The handwriting is a facsimile of applicant's signature.
For Vaginal Cleanser Preparation.
Claims use since 1916.

Ser. No. 383,397. MULFORD COLLOID LABORATORIES, Philadelphia, Pa. Filed Sept. 18, 1936.

Ferrocol

For Solution Containing Iron and Copper in Colloidal Form for Use in Such Affections as Catarrh of the Nose, Larynx, or Pharynx, Applied Either Orally or by Intramuscular or Intravenous Injection in Cases of Extreme Chlorosis, Anemia, Erysipelas, and Cellulitis.
Claims use since Sept. 1, 1921.

Ser. No. 383,399. MULFORD COLLOID LABORATORIES, Philadelphia, Pa. Filed Sept. 18, 1936.

Mangacol

For Solution of Manganese in Colloidal Form for Use in Furunculosis Seborrhoeic, Eczema, Following Wound Infection and in the Treatment of Boils and Abscesses, as Well as a Preparation for Use in Poisoning by Sulphur Compounds and Mustard Gas (Dichlorethyl Sulphide).
Claims use since Sept. 1, 1921.

Ser. No. 383,677. LEON DARRASSE & CIE., SOCIETE DU PAPIER RIGOLLOT, SOCIETE EN COMMANDITE, Paris, France. Filed Sept. 26, 1936.



All wording except "Rigollot" and "Darrasse Phen" is disclaimed apart from the mark. The signature is that of M. P. Rigollot, founder of the firm P. Rigollot & Cie., applicant's predecessor.
For Mustard Plasters.
Claims use since June, 1936.

Ser. No. 383,871. JOSEPH BUSCH, Des Moines, Iowa. Filed Oct. 2, 1936.

QUEROL

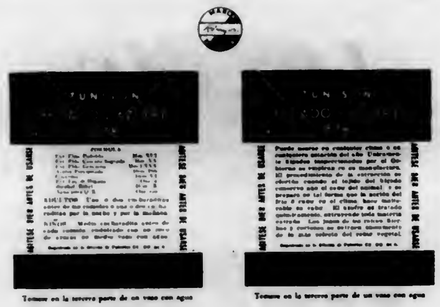
The drawing is lined for green.
For Preparation for the Treatment of Hemorrhoids, Colitis and Proctitis.
Claims use since Sept. 15, 1930.

Ser. No. 383,872. CARON CORPORATION, New York, N. Y. Filed Oct. 2, 1936.

LE MASQUE PORCELAINE

The word "Masque" apart from the mark is disclaimed.
For Facial Packs and Masques and Toilet Creams.
Claims use since Sept. 29, 1936.

Ser. No. 383,963. RICHARD G. TUNISON, doing business as R. G. Tunison Co., New York, N. Y. Filed Oct. 3, 1936.



All notations except "Tunison", "R. J. Tunison Co.", and "678" are disclaimed apart from the mark.
For Liver and Sulphur Compound for Use in Mental and Bodily Exhaustion, Lowered Vitality, Subnormal Nutrition, and in Convalescence Where a Nerve and Cell Stimulant and Tonic Nutrient is Required.
Claims use since May 20, 1935.

Ser. No. 384,066. DAVID WRÓBLEWSKI, doing business as D. Wróblewski & Co., Brooklyn, N. Y. Filed Sept. 29, 1936.



D. WRÓBLEWSKI & CO.

The handwriting is the facsimile signature of the applicant.
For General Tonic Having a Wine Base for Constipation, Loss of Appetite, and Improving Digestion; Corn Preparation, Cough Preparation, Headache Powders, Preparations for Rheumatic Ailments, Toilet Preparations—Namely, Face Creams, Hair Tonic, Face Powder, Perfumes, Lipstick.
Claims use since June 1, 1914.

Ser. No. 384,294. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Oct. 13, 1936.

EMIR

For Perfumes, Toilet Water, Cologne, Powder, Rouge.
Claims use since Aug. 24, 1936.

Ser. No. 384,342. HARRY TOMBACK, doing business as Torg Laboratories, New York, N. Y. Filed Oct. 14, 1936.

PASTA ARAMAE

The word "Pasta" apart from the mark shown is disclaimed.
For Medicines for the Relief of Acne, Pimples, and Similar Skin Disorders.
Claims use since May 1, 1936.

Ser. No. 384,343. HARRY TOMBACK, doing business as Tomil Research Laboratories, New York, N. Y. Filed Oct. 14, 1936.

ALBADERM

For Medicines for the Relief of Acne, Pimples, and Minor Skin Disorders.
Claims use since Sept. 1, 1934.

Ser. No. 384,355. CLIFFORD H. HART, doing business as Solkara Medicine Company, Brooklyn, Mich. Filed Oct. 14, 1936.

SOLKARA

For Medicinal Preparations for the Relief of Stomach Troubles, Constipation, Headaches and Associated Troubles Arising from Faulty Elimination, Nerve Disorders and Disturbances, Gastric Disturbances, Liniments and Counter-Irritants for Muscular Achings and Stiffness, Lame Muscles, Stiff Neck, Strains, and Muscular and Neuralgic Pains, and Ointments for Skin Irritations.
Claims use since Jan. 1, 1935.

Ser. No. 384,509. CHICAGO PHARMACAL CO., Chicago, Ill. Filed Oct. 19, 1936.

HEXABENZOL

For Preparation for Internal Treatment for Pyelitis, Cystitis, and Gonorrhea.
Claims use since Mar. 1, 1936.

Ser. No. 384,699. BORCHERDT MALT EXTRACT COMPANY, Chicago, Ill. Filed Oct. 23, 1936.

FERRIMALT

For Medicine Comprising a Combination of Iron and Ammonium Citrate, Alcohol, Glycerine, and Liquid Malt Extract for Use as a Therapeutic Agent in the Treatment of Anemia and as a General Tonic.
Claims use since Oct. 16, 1935.

Ser. No. 384,706. HELEN HECHMAN, New York, N. Y. Filed Oct. 23, 1936.

FOAMIZER

For Extract for Producing Foam for Therapeutic, Hygienic, and Beauty Purposes.
Claims use since October, 1931.

Ser. No. 384,957. CHILEAN NITRATE SALES CORPORATION, New York, N. Y. Filed Oct. 30, 1936.

ORIGINAL OLD STYLE

The words "Original Old Style" apart from the mark shown are disclaimed.
For Nitrate of Soda.
Claims use since Oct. 2, 1936.

Ser. No. 385,307. PAUL T. SCHWEYER, Los Angeles, Calif. Filed Nov. 9, 1936.

Naturcol

For Hair Color Restorer and Tonic.
Claims use since Sept. 15, 1936.

Ser. No. 385,430. CONSTANTINE BARBATSALOS, doing business as Soth-Pia Medicinal Preparations, New York, N. Y. Filed Nov. 11, 1936.

SOTH-PIA

For Pharmaceutical Preparation for the Treatment of Piles.
Claims use since Jan. 1, 1936.

Ser. No. 385,601. LYDIA O'LEARY, INC., New York, N. Y. Filed Nov. 16, 1936.

MODERN MIRACLE

For Cosmetic Preparation for Obliterating Birth Marks and Other Skin Blemishes Put Up in Liquid, Cream, and Stick Forms; Liquid Thinning Lotion, Face Powder, Lipstick, Dry and Cream Rouge.
Claims use since April, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 385,650. SNELLING BROTHERS, Allentown, Pa. Filed Nov. 17, 1936.

For Ink.
Claims use since Jan. 11, 1935.

CLASS 12

Construction Materials

Ser. No. 379,118. LUX-AIR EQUIPMENT COMPANY, Detroit, Mich. Filed June 1, 1936.

Lux-air

For Auxiliary Window Units for Insulating Windows Against Heat and Cold.
Claims use since Jan. 15, 1935.

Ser. No. 383,067. THE MAKECO COMPANY, San Antonio, Tex. Filed Sept. 9, 1936.

PRE-CAST MAKECO UNITS

The words "Pre-Cast" and "Units" are disclaimed apart from the mark. The drawing is lined for red and blue.
For Precast Concrete Units for Wall Construction.
Claims use since June 1, 1936.

Ser. No. 383,576. ALBERT HENDERSON, Pittsburgh, Pa. Filed Sept. 24, 1936.

CEMENSLAG

For Molded Construction Members Such as Blocks Incorporating Portland Cement and Slag Aggregate.
Claims use since Aug. 12, 1936.

Ser. No. 383,577. ALBERT HENDERSON, Pittsburgh, Pa. Filed Sept. 24, 1936.

CEMENSTEEL

For Structural Members of Steel or Molded Plastic Material Such as Portland Cement.
Claims use since Aug. 12, 1936.

Ser. No. 383,579. ALBERT HENDERSON, Pittsburgh, Pa. Filed Sept. 24, 1936.

CEMENCINDER

For Molded Construction Members Such as Blocks Incorporating Portland Cement and Cinder Aggregate.
Claims use since Aug. 12, 1936.

Ser. No. 383,674. CHAMBERLIN METAL WEATHER STRIP COMPANY, Detroit, Mich. Filed Sept. 26, 1936.

CHAMBERLIN INSULATE WINDOWS

The word "Windows" apart from the mark shown is disclaimed.
For Windows, More Particularly of the Type of Windows Known as Storm Sash or Winter Windows.
Claims use since Aug. 31, 1936.

Ser. No. 384,726. CARL WIKSTRÖM, doing business as P. Wikström Jr., Stockholm, Sweden. Filed Oct. 23, 1936.

For Insulating Material and Lining Material, Especially Intended for Walls and Floors.
Claims use since 1933.

Ser. No. 385,199. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill. Filed Nov. 5, 1936.

HYRATE

For Refractory Cement.
Claims use since July 21, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 372,195. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind. Filed Dec. 3, 1935.

Dirigold

For Gravy Ladles, Cake Ladles, Tea Strainers, Napkin Rings, Egg Cups, Wine Cups, Sugar Sifters, Punch Ladles, Plates, Bowls, Dishes, Goblets, Vases, Name Plates for Coats, and Nut Trays Manufactured from Non-Precious Metal.
Claims use since January, 1924.

Ser. No. 381,143. WHITEHEAD METAL PRODUCTS COMPANY OF NEW YORK, INC., New York, N. Y. Filed July 17, 1936.

WHITEHEAD

Applicant is the owner of U. S. trade-mark registration No. 312,379, granted April 24, 1934, and U. S. trade-mark registration No. 312,788, granted May 8, 1934.
For Sinks.
Claims use since May 1, 1936.

Ser. No. 382,823. CONTINENTAL SCREW COMPANY, New Bedford, Mass. Filed Sept. 2, 1936.

HOLTITE

Applicant is the owner of registration #177,255, issued December 11, 1923.
For Screws of the Following Nature—Wood, Lag, Cap, Drive, Side Knob, Machine, Lock Cap, Washer Head, Socket Head, Hardened Thread-Forming Sheet Metal, Thumb and Set; Bolts of the Following Nature—Hook, Sink, Stove, Hanger, Fin Head, Meter, Carriage, Machine, Closet, and Step; Nuts of the Following Nature—Machine Screw (Hexagon, Square), Stove Bolt, Semi-Finished, Wing, Cap (Acorn); Rods of the Following Nature—Stove, Chair, and Ladder; Washers of the Following Nature—Countersunk Finishing, Flush Type, and Flat Brass; Rivets of the Following Nature—Solid, Tubular, and Cutlery; and Also Escutcheon Pins, Knurled Pins, and Bed Crating Hooks.
Claims use since Mar. 29, 1923.

Ser. No. 385,310. STANDARD PRESSED STEEL CO., Jenkintown, Pa. Filed Nov. 9, 1936.

"UNSHAKO"

For Lock Nuts.
Claims use since October, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 386,119. DON LLEWELLYN, Los Angeles, Calif. Filed Nov. 30, 1936.

WEARALOY

For Welding Rods.
Claims use since Dec. 1, 1935.

CLASS 15

Oils and Greases

Ser. No. 378,461. SURE-LUBE REFINERY, INCORPORATED, Louisville, Ky. Filed May 14, 1936.

SURE-LUBE

For Lubricating Oils.
Claims use since Sept. 1, 1933.

Ser. No. 384,981. SUNSET OIL COMPANY, Los Angeles, Calif. Filed Oct. 30, 1936.



For Motor Lubricating Oils and Gasoline.
Claims use since May 18, 1936.

Ser. No. 384,982. SUNSET OIL COMPANY, Los Angeles, Calif. Filed Oct. 30, 1936.



For Motor Lubricating Oils.
Claims use since May 18, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 381,229. MIDWAY CHEMICAL CO., Chicago, Ill. Filed July 20, 1936.

Midway

For Polishes for Wood, Furniture, and Varnished and Lacquered Surfaces, Scratch Remover and Polish, Liquid and Paste Wax, Floor Oil, Liquid and Paste Automobile Polish, Dance Wax, Wood Putty and Crack Filler, Paint and Varnish Remover, Paint Brush Cleaner, Commercial Putty, Paint Thinner, Tire Paint, Linseed Oil, Turpentine, Glass and Porcelain Polish, Auto and Fender Enamel, Engine Enamel, Gasket Shellac, and Prepared Shellac.

The trade-mark has been continuously used and applied in applicant's business to polishes for wood, furniture, and varnished and lacquered surfaces, liquid and paste wax, and floor oil since Oct. 29, 1926; to scratch remover and polish since June 30, 1932; to liquid and paste automobile polish since Oct. 13, 1926; to dance wax since Mar. 31, 1931; to wood putty and crack filler since June 30, 1932; to paint and varnish remover since Dec. 31, 1931; to paint brush cleaner since Dec. 31, 1931; to commercial putty since June 30, 1932; to paint thinner since Dec. 31, 1931; to tire paint since Mar. 31, 1934; to linseed oil since Sept. 30, 1931; to turpentine since Mar. 31, 1931; to glass and porcelain polish since Jan. 13, 1930; to auto and fender enamel since Mar. 31, 1934; to engine enamel since Mar. 31, 1934; to gasket shellac since Mar. 31, 1934; and to prepared shellac since Mar. 31, 1934.

Ser. No. 386,378. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y. Filed Dec. 5, 1936.

SAMSOLEX

For Paint in Paste Form.
Claims use since Apr. 1, 1936.

CLASS 17

Tobacco Products

Ser. No. 384,495. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Oct. 19, 1936.

MAYFAIR

For Cigarettes and Smoking Tobacco.
Claims use since Sept. 1, 1936.

Ser. No. 385,060. LOUISE PFUHL AND KARL H. PFUHL, Rochelle Park, N. J. Filed Nov. 2, 1936.

Swiss Chalet

For Cigars.
Claims use since Oct. 19, 1936.

Ser. No. 385,107. LOUISE PFUHL AND KARL H. PFUHL, Rochelle Park, N. J. Filed Nov. 3, 1936.



For Cigars.
Claims use since Oct. 19, 1936.

Ser. No. 385,193. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y. Filed Nov. 5, 1936.

BOND STREET

For Cigarettes and Pipe Tobacco.
Claims use since 1883 on cigarettes; since Sept. 16, 1936, on pipe tobacco.

Ser. No. 386,575. AMERICAN CIGARETTE & CIGAR COMPANY, New York, N. Y. Filed Dec. 10, 1936.



Applicant is the owner of T. M. Reg. No. 291,696.
For Cigarettes.
Claims use since Nov. 12, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 381,818. ROLLS-ROYCE LIMITED, Derby, England. Filed Aug. 4, 1936.



For Motor Road Vehicles and Chassis Therefor.
Claims use since 1907.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 380,387. CONTINENTAL MOTORS CORPORATION, Detroit, Mich. Filed June 29, 1936.

Tiny-Tim

For Portable Electric Power Producing Plant, Electric Generators, Battery Chargers, and Light Plants.
Claims use since June 16, 1936.

Ser. No. 383,390. EAGLE SIGNAL CORPORATION, Moline, Ill. Filed Sept. 18, 1936.

MICROFLEX

For Timing Mechanisms for Electric Circuits.
Claims use since Apr. 5, 1935.

Ser. No. 383,430. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Sept. 19, 1936.

ACOUSTICON

MAGIC EAR

For Radio Receiving Sets, Radio Receiving Sets Combined with Audible Signal Making Attachments and Audible Signal Making Attachments for Radio Receiving Sets.
Claims use since Sept. 15, 1936.

Ser. No. 385,781. DONALDSON RADIO AND ELECTRIC CO., Kansas City, Mo. Filed Nov. 20, 1936.

The "RADIO WHIP"

For Radio Antennae.
Claims use since July 1, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 384,573. WALGREEN CO., Chicago, Ill. Filed Oct. 19, 1936.

CENTAUR
PLAYING CARDS

The words "Playing Cards" are disclaimed apart from the mark.
For Playing Cards.
Claims use since January, 1932.

Ser. No. 384,575. WALGREEN CO., Chicago, Ill. Filed Oct. 19, 1936.

PEAU DOUX

PLAYING CARDS

The words "Playing Cards" are disclaimed apart from the mark.
For Playing Cards.
Claims use since June, 1930.

Ser. No. 385,313. TEN-O-WIN AMUSEMENT COMPANY, San Francisco, Calif. Filed Nov. 9, 1936.

MOVIE RULETTE

The word "Rulette" is disclaimed except as shown.
For Amusement Apparatus Consisting of Multiple Discs.
Claims use since Aug. 5, 1936.

Ser. No. 385,370. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Filed Nov. 10, 1936.

MARCH OF PROGRESS

For Toy Paint-Sets and Modeling and Sculpturing Play-Sets.
Claims use since Jan. 2, 1936.

Ser. No. 386,071. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Nov. 28, 1936.

3 MEN ON A HORSE

For Board Game Played with Movable Pieces.
Claims use since Nov. 3, 1936.

Ser. No. 386,339. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

"CAROM KING"

For Billiard Cues.
Claims use since Oct. 15, 1936.

Ser. No. 386,340. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

"CHALLENGER"

For Billiard Cues.
Claims use since Oct. 15, 1936.

Ser. No. 386,341. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

CHAMPION

For Billiard Tables.
Claims use since Oct. 15, 1936.

Ser. No. 386,348. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

"KEENSHOT"

For Billiard Cues.
Claims use since Oct. 15, 1936.

Ser. No. 386,349. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

"MASTER-STROKE"

For Billiard Cues.
Claims use since Oct. 15, 1936.

Ser. No. 386,350. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

"MERRY-WIDOW"

For Billiard Cues.
Claims use since Oct. 15, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 364,263. THE WASHBURN COMPANY, Worcester, Mass. Filed Apr. 26, 1935.



The mark consists of a solid black band extending around a concave reduced portion of the handle near the tool end. The lining in the drawing indicates the color black. The representation of the handle is disclaimed apart from the mark.
For Tools—Namely, Screw Drivers.
Claims use since Jan. 15, 1935.

Ser. No. 374,559. DON HEYER, doing business as Heyer and Sutton, Inc., Los Angeles, Calif. Filed Feb. 6, 1936.

POWERMATIC

For Variable Speed Gearing Apparatus for V-Belt Power Transmission.
Claims use since Jan. 23, 1936.

Ser. No. 383,139. THE PYLE-NATIONAL COMPANY, Chicago, Ill. Filed Sept. 11, 1936.



For Locomotive Valve Gears, Reversing Gears, Driving Turbines, Locomotive Valves, Valve Rings, and Housing, and Steam Engine Valves, Gears, Reversing Gears, Housings, and Supports.
Claims use since Feb. 1, 1916.

Ser. No. 384,816. RED CAP FIRE EXTINGUISHER CO., INC., New York, N. Y., assignor to Ruth Miller and Rose Cordes, both of New York, N. Y. Filed Oct. 26, 1936.

RED CAP



For Portable Hand Fire Extinguishers.
Claims use since Aug. 15, 1933.

Ser. No. 384,896. IMPERIAL KNIFE COMPANY, INC., Providence, R. I. Filed Oct. 28, 1936.

Hammer Brand

The word "Brand" per se is disclaimed.
For Pocket Cutlery and Table Cutlery Composed of Steel.
Claims use since May, 1882.

Ser. No. 385,658. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Nov. 18, 1936.

BULLS EYE

For Safety Razor Blades.
Claims use since Nov. 14, 1936.

Ser. No. 385,659. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Nov. 18, 1936.

BUCCANEER

For Safety Razor Blades.
Claims use since Nov. 14, 1936.

Ser. No. 385,660. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Nov. 18, 1936.

MARKSMAN

For Safety Razor Blades.
Claims use since Nov. 14, 1936.

Ser. No. 385,684. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Nov. 18, 1936.

ELITE

For Safety Razor Blades.
Claims use since Nov. 14, 1936.

Ser. No. 385,685. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Nov. 18, 1936.

LANCER

For Safety Razor Blades.
Claims use since Nov. 14, 1936.

Ser. No. 385,741. MILLERS FALLS COMPANY, Greenfield, Mass. Filed Nov. 19, 1936.

TUF-FLEX

For Hack Saw Blades.
Claims use since Sept. 19, 1936.

CLASS 24

Laundry Appliances and Machines

Ser. No. 385,618. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Filed Nov. 16, 1936.

ICE-O-MATIC WILLIAMS REFRIGERATION OIL-O-MATIC O-MATIC HEATING AIR-O-MATIC PRODUCTS AIR CONDITIONING

The words "Refrigeration", "Heating", "Air Conditioning" and "Products" are disclaimed apart from the mark as shown.
For Laundry Appliances—Namely, Domestic Electric Washing Machines and Parts Thereof.
Claims use since Nov. 26, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 384,628. HORACE RODERICK POTTER, doing business as Liquid Level Indicator Co., Summit, N. J. Filed Oct. 21, 1936.

WATCHMAN

For Oil Level Gauges for Indicating the Level of Oil in Such Containers as Tanks.
Claims use since Aug. 11, 1936.

Ser. No. 385,655. WALTHAM WATCH COMPANY, Waltham, Mass. Filed Nov. 17, 1936.

BIKOMETER

For Speedometers.
Claims use since Aug. 17, 1936.

Ser. No. 385,776. CAMERON HEARTOMETER CO., Chicago, Ill. Filed Nov. 20, 1936.

HEART ◯ GRAPH

For Charts for Use in Connection With Apparatus for Ascertaining and Recording Conditions of the Circulatory System.
Claims use since Feb. 1, 1936.

CLASS 27

Horological Instruments

Ser. No. 384,050. RAYVILLE S.-A., Villeret, Switzerland. Filed Oct. 6, 1936.

BLANC PAIN

For Watches, Watch Cases, and Mechanism.
Claims use since Aug. 24, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 384,449. CAVENDISH TRADING CORPORATION, New York, N. Y. Filed Oct. 17, 1936.

CAVENGTON

For Silver-Plated Flatware and Hollow-Ware.
Claims use since Aug. 13, 1936.

Ser. No. 384,920. COMMERCIAL SHIRT CORPORATION, New York, N. Y. Filed Oct. 20, 1936.

SIGNAgram

For Men's and Women's Jewelry—Namely, Cuff Buttons and Cuff Links Made in Whole or in Part of Precious Metal or Plated With the Same.
Claims use since Sept. 1, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 374,628. METALFIELD INCORPORATED, Long Island City, N. Y. Filed Feb. 8, 1936.

The WEEKENDER

For Hair Brushes.
Claims use since Jan. 23, 1936.

Ser. No. 381,319. METALFIELD INCORPORATED, Long Island City, N. Y. Filed July 22, 1936.

The OVERNITER

For Hair Brushes.
Claims use since June 1, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 385,616. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Filed Nov. 16, 1936.

ICE-O-MATIC WILLIAMS REFRIGERATION OIL-O-MATIC O-MATIC HEATING AIR-O-MATIC C PRODUCTS AIR CONDITIONING

The words "Refrigeration", "Heating", "Air Conditioning" and "Products" are disclaimed apart from the mark as shown.
For Domestic and Industrial Refrigeration Machines and Parts Thereof.
Claims use since Nov. 26, 1935.

Ser. No. 385,881. THE COOLERATOR COMPANY, Duluth, Minn. Filed Nov. 23, 1936.

Coolerator

For Refrigerators.
Claims use since Aug. 1, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 380,679. SUPREME BEDDING & FURNITURE MANUFACTURING COMPANY, INC., Monroe, La. Filed July 6, 1936.

SUPREME SLEEP

For Mattresses.
Claims use since June 30, 1936.

Ser. No. 384,708. KAY MANUFACTURING CORPORATION, Brooklyn, N. Y. Filed Oct. 23, 1936.

KAY CROWN-LAST

For Inner Spring Units for Upholstered Cushions and Mattresses.
Claims use since Apr. 1, 1936.

Ser. No. 385,715. THE WOLWIN CHAIR CO., Willoughby, Ohio. Filed Nov. 18, 1936. Under 10-year proviso.

The Sheffield Guild

For Upholstered Chairs, Davenports, Couches, Stools, and Cushions.
Claims use since Sept. 1, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 369,671. YORK ICE MACHINERY CORPORATION, York, Pa. Filed Sept. 24, 1935.

YORKCO

For Machinery Packing Comprising Fibrous Composition and Metal.
Claims use since June 1, 1918.

Ser. No. 382,433. LAMINATED SHIM CO., INC., Long Island City, N. Y. Filed Aug. 21, 1936.

LAMINUM

For Shims and Shim Stock.
Claims use since March, 1915.

Ser. No. 385,689. GRATON & KNIGHT COMPANY, Worcester, Mass. Filed Nov. 18, 1936.

G&K 1851

For Leather Belting.
Claims use since Mar. 1, 1907.

CLASS 36

Musical Instruments and Supplies

Ser. No. 383,759. GEORGE WOODHOUSE, London, England. Filed Sept. 28, 1936.

MUTANO

For Manual Exercising Apparatus for Piano Instruction.
Claims use since Jan. 29, 1930.

CLASS 37

Paper and Stationery

Ser. No. 383,203. BUTLER PAPER CORPORATIONS, Chicago, Ill. Filed Sept. 14, 1936.

WORLD'S FAIR BOND NEW YORK 1939

The words "Bond" and "New York 1939" are disclaimed apart from the mark shown. Applicant is owner of registration 258,431.
For Printing Papers and Bond Papers.
Claims use since 1892.

Ser. No. 384,412. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed Oct. 16, 1936.

DURA-TIP

The word "Tip" apart from the mark shown is disclaimed.
For Writing Pens of All Kinds and Fountain Pens.
Claims use since Sept. 10, 1936.

Ser. No. 384,413. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed Oct. 16, 1936.

DUO-TIP

The word "Tip" apart from the mark shown is disclaimed.
For Writing Pens of All Kinds and Fountain Pens.
Claims use since Sept. 10, 1936.

Ser. No. 385,025. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Nov. 2, 1936.

TELESNAP

For Continuous Writing Strips Interleaved With Carbon Strips and Writing Sheets With Interleaved Carbon Sheets for Use in Manifolding Registers, in Typewriters, and in Other Machines.
Claims use since May 4, 1936.

Ser. No. 385,026. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Nov. 2, 1936.

AUTOSNAP

For Continuous Writing Strips Interleaved With Carbon Strips and Writing Sheets With Interleaved Carbon Sheets for Use in Manifolding Registers, in Typewriters, and in Other Machines.
Claims use since Aug. 26, 1936.

Ser. No. 385,067. CHAS. S. SMITH, doing business as C. S. Smith Co., Los Angeles, Calif. Filed Nov. 2, 1936.

"HOLLYCRAFT"

For Wall Papers.
Claims use since Oct. 2, 1936.

Ser. No. 385,494. RUBBER-GEL PRODUCTS CORPORATION, North Quincy, Mass. Filed Nov. 13, 1936.

KAYSAM

For Rubber Erasers.
Claims use since June 1, 1936.

Ser. No. 385,563. CHICAGO PAPER COMPANY, Chicago, Ill. Filed Nov. 16, 1936.

Penoform

For Writing Paper, Printing Paper, Ledger Paper, Book Paper, Bond Paper, and Paper Specially Treated for Use on Duplicating Machines and Devices.
Claims use since Oct. 26, 1936.

Ser. No. 385,568. DITTO, INCORPORATED, Chicago, Ill. Filed Nov. 16, 1936.

DITT-MARK

For Paper for Writing, Typewriting, Duplicating, and Printing Purposes.
Claims use since Nov. 6, 1936.

CLASS 38

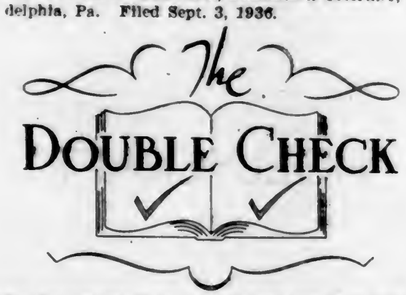
Prints and Publications

Ser. No. 372,292. SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa. Filed Dec. 5, 1935.



The portraits are those of the children of the president of applicant.
For Catalogs Published Annually.
Claims use since October, 1934.

Ser. No. 382,868. FLEISHER, FERNALD & COMPANY, Philadelphia, Pa. Filed Sept. 3, 1936.



For Publication Comprising a Pamphlet Concerning Tax Laws and Tax Calendars Issued Usually Quarterly With Occasional Intermediate Issues.
Claims use since Oct. 18, 1933.

Ser. No. 383,774. ETHEL TRAPHAGEN LEIGH, doing business as The Traphagen School of Fashion, New York, N. Y. Filed Sept. 29, 1936.



The word "Prints" is disclaimed apart from the mark as shown.
For Artistic Drawings for Textile Designs Sold as Such in the Trade.
Claims use since Sept. 1, 1936.

Ser. No. 384,820. SLOCUM PUBLISHING COMPANY, Grosse Pointe Shores and Detroit, Mich. Filed Oct. 26, 1936.

AUTOMOTIVE ALMANAC

For Periodical.
Claims use since Aug. 1, 1936.

Ser. No. 384,821. DAVID A. SMART, Chicago, Ill., assignor to Coronet, Inc., Chicago, Ill., a corporation of Delaware. Filed Oct. 26, 1936.

CORONET

For Magazines Issued Monthly.
Claims use since July 7, 1936.

Ser. No. 384,972. NATIONAL CONGRESS OF PARENTS AND TEACHERS, Washington, D. C. Filed Oct. 30, 1936.

Mothersingers

For Special Song Lists and Instruction Sheets for Use at National Meetings, Published from Time to Time.
Claims use since Sept. 1, 1936.

Ser. No. 384,977. SHIPPING NEWS, Portland, Oreg. Filed Oct. 30, 1936.

MARINE GUIDE

For Periodical.
Claims use since Aug. 27, 1936.

Ser. No. 385,078. JANET C. WARFEL, doing business as The American Institute of Applied Biochemistry, Chicago, Ill. Filed Nov. 2, 1936.

Health Herald

For Publication on Biochemistry Published Monthly or From Time to Time.
Claims use since Oct. 1, 1935.

Ser. No. 385,159. WILLIAM M. SULT, Lakeland, Fla. Filed Nov. 4, 1936.



For Newspaper Column.
Claims use since July 9, 1936.

CLASS 39

Clothing

Ser. No. 382,208. THE ETON CORPORATION, New York, N. Y. Filed Aug. 15, 1936.

Madcap

For Women's Hats.
Claims use since July 23, 1936.

Ser. No. 382,262. CLARK SHOE COMPANY, INC., New York, N. Y. Filed Aug. 17, 1936.



The words "Spring Control" are disclaimed apart from the mark as shown.
For Boots, Shoes, and Slippers Made of Leather, Rubber, Fabric, and/or Combinations of These Materials.
Claims use since Jan. 1, 1932.

Ser. No. 383,121. ELLERY JOE CHUN, Honolulu, Hawaii. Filed Sept. 11, 1936.



All wording apart from the mark shown is disclaimed.
For Sportswear for Women and Children—Namely, Beach Pajamas and Culottes.
Claims use since Feb. 7, 1936.

Ser. No. 383,508. LESTER PINCUS SHOE CORPORATION, New York, N. Y. Filed Sept. 22, 1936.



The expressions "Charing Cross Shoe" and "Prescribed for the Feet" and the symbol "℞" are disclaimed apart from the mark.
For Men's, Women's, and Children's Shoes, Slippers, and Sandals Made of Leather, Imitation Leather, Rubber, Fabric, and Combinations of Said Materials.
Claims use since Feb. 26, 1936.

Ser. No. 383,705. MORRIS SAFFER & SONS, New York, N. Y. Filed Sept. 25, 1936.



The words "Manhattan", "Clothes", and "New York City", are disclaimed apart from the mark.
For Men's Suits of Clothes and Overcoats.
Claims use since Aug. 1, 1935.

Ser. No. 384,765. JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif. Filed Oct. 24, 1936.

VITA-MATIC

For Shoes, Slippers for Men, Women, and Children, Made of Leather, Fabric, and Combinations Thereof.
Claims use since Aug. 1, 1936.

Ser. No. 384,906. ROGERS PEET COMPANY, New York, N. Y. Filed Oct. 28, 1936.

Nailhead

For Men's and Boys' Outer Suits and Overcoats.
Claims use since Oct. 15, 1936.

Ser. No. 384,998. HANAN & SON, INC., New York, N. Y. Filed Oct. 31, 1936.

HANAN
Career Girl
LONDON, NEW YORK PARIS

The words "London, New York, Paris" are disclaimed except in association with the other features of the mark.
For Shoes Made of Leather or Fabric or Combinations Thereof.
Claims use since Oct. 9, 1936.

Ser. No. 385,332. CANNON SHOE COMPANY, Baltimore, Md. Filed Nov. 10, 1936.

LOG FIRE

For Leather Slippers and/or Shoes.
Claims use since Oct. 20, 1936.

Ser. No. 385,398. GLOBE SUPERIOR CORPORATION, Abingdon, Ill. Filed Nov. 11, 1936.

GLOBE'S BEST

The word "Best" apart from the mark shown is disclaimed.
For Overalls, Denim Jackets, and One Piece Suits.
Claims use since June 1, 1936.

Ser. No. 385,500. THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Nov. 13, 1936.

Veil of Youth

For Women's Underclothing of Knitted or Textile Fabric—Namely, Corsets, Brassières, Combinations of Corsets and Brassières, Girdles, and Step-Ins.
Claims use since June 1, 1935.

Ser. No. 385,509. CONDOR PRODUCTS, INC., Buffalo, N. Y. Filed Nov. 14, 1936.

Shoulder-Hug

For Suspenders.
Claims use since Oct. 23, 1936.

Ser. No. 385,524. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Nov. 14, 1936.

CHANSONETTE

For Brassières, Bandeaux, Corsets, Corselets, Panties, Pantie-Girdles, Girdles, and Garter-Belts.
Claims use since Nov. 10, 1936.

Ser. No. 385,709. UNIVERSAL BRASSIERE & JUSTRITE CORSET CO. INC., New York, N. Y. Filed Nov. 18, 1936.

Saten-Lastik

The use of "Saten" apart from the mark "Saten-Lastik" is specifically disclaimed.
For Corsets, Corselets, Girdles, Brassières, and Corset Step-Ins.
Claims use since Sept. 1, 1936.

Ser. No. 385,726. DALTON HAT COMPANY, Yonkers, N. Y. Filed Nov. 19, 1936.

MISTERY

For Men's Hats.
Claims use since July 1, 1936.

Ser. No. 385,771. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa. Filed Nov. 20, 1936.

TRAVELWEAR

For Women's Hosiery.
Claims use since June, 1936.

Ser. No. 385,808. SCHINDLER & COMPANY, New York, N. Y. Filed Nov. 20, 1936.



ZEV

For Men's and Boys' Underwear.
Claims use since Sept. 15, 1936.

Ser. No. 385,884. SAMUEL J. GOLDFARB, New York, N. Y. Filed Nov. 23, 1936.

Hollywood
★★★★ pre-vue frock

The words "Hollywood" and "Frock" are disclaimed apart from the mark shown. The drawing is lined for red.
For Women's Dresses.
Claims use since Jan. 2, 1935.

Ser. No. 385,913. TAUSICK CORPORATION, New York, N. Y. Filed Nov. 23, 1936.

Rembrandt Neckwear

The word "Neckwear" is disclaimed apart from the mark as shown.
For Ladies' Collars, Collar Sets, and Scarfs.
Claims use since Nov. 2, 1936.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 382,665. HAIR NET PACKERS, INC., New York, N. Y. Filed Aug. 28, 1936.

4★★★★STAR

For Non-Electrical Hair Curlers, Hair Wavers, Wave Pressers; Hair Straps, Hair Pins, Hair Barrettes, Hair Clasps, Bobby Pins; and Non-Electrical Curl Pressers, Ringlet Curlers, Ringlet Pressers, Ringlet Setters, and Hair Winders.
Claims use since Mar. 30, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 369,328. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Sept. 16, 1935.

Eclipse

For Billiard Cloth.
Claims use since 1915.

Ser. No. 369,331. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Sept. 16, 1935.

Leader

For Billiard Cloth.
Claims use since 1915.

Ser. No. 369,332. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Sept. 16, 1935.

Midway

For Billiard Cloth.
Claims use since 1925.

Ser. No. 369,333. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Sept. 16, 1935.

Monarch

For Billiard Cloth.
Claims use since 1915.

Ser. No. 369,335. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Sept. 16, 1935.

Renue

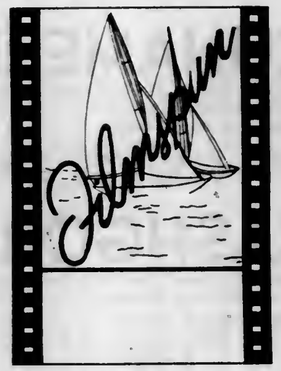
For Billiard Cloth.
Claims use since 1915.

Ser. No. 381,830. ALEXANDER BRICK, Los Angeles, Calif. Filed Aug 3, 1936.

PAGA CLOTH

The word "Cloth" is disclaimed apart from the mark as shown.
For Textile Fabrics in the Piece, of Silk, Rayon, and/or Combinations Thereof, Not Including Rice Cloth or Any Cloth Made from a Derivative of Rice or Any Combination Thereof.
Claims use since September, 1935.

Ser. No. 384,351. M. BERZER CO. INC., New York, N. Y. Filed Oct. 12, 1936.



For Textile Fabrics Composed of a Mixture of Silk and Acetate and Designated as Piece Goods.
Claims use since July 15, 1936.

Ser. No. 384,956. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 30, 1936.

CHALLI-ROYALE

The word "Challi" apart from the mark shown is disclaimed.
For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 26, 1936.

Ser. No. 384,965. HOWSE, MEAD & SONS, INC., New York, N. Y. Filed Oct. 30, 1936.

"Gabarsilk"

For Gabardine Silk Piece Goods.
Claims use since June 20, 1934.

Ser. No. 385,204. TERHUNE, YERBANCE & WOLFF, INC., New York, N. Y. Filed Nov. 5, 1936.



No claim is made separately for the words "Navajo" and "Shetland" apart from the mark shown. The drawing is lined for the colors red, blue, yellow, and black.

For Woolen and Worsted Fabrics in the Piece.
Claims use since December, 1935.

CLASS 43

Thread and Yarn

Ser. No. 382,722. C. R. MEISSNER CO., INC., New York, N. Y. Filed Aug. 29, 1936.

ANGLO

For Tapestry Wools and Yarns.
Claims use since Aug. 10, 1936.

Ser. No. 385,675. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y. Filed Nov. 18, 1936.

CUNAMERE

For Yarns of Cotton, Wool, Worsted, Rayon, Angora, Cashmere, and Mixtures Thereof.
Claims use since May 1, 1936.

Ser. No. 385,695. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y. Filed Nov. 18, 1936.

KASHGORA

For Yarns of Cotton, Wool, Worsted, Rayon, Angora, Cashmere, and Mixtures Thereof.
Claims use since May 1, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 368,246. A. C. WAPPLER CORP., New York, N. Y. Filed Aug. 12, 1935.



For Urological Instruments, Cautery and Light Transformers, Physical Therapy Apparatus, Electromedical Apparatus, Diagnostic Instruments, Medical and Dental X-ray Apparatus and Surgical Instruments.
Claims use since Apr. 1, 1935.

Ser. No. 375,984. THE CILOCON CORPORATION, Detroit, Mich. Filed Mar. 14, 1936.

NursRite

For Nursery Nipples.
Claims use since Feb. 14, 1936.

Ser. No. 383,858. THE WELLA CORPORATION, New York, N. Y. Filed Oct. 1, 1936.

NOLEKTRA

For Permanent Hair Waving Apparatus With Cabinet Therefor.
Claims use since Apr. 26, 1936.

Ser. No. 385,192. MCLOUGHLIN MANUFACTURING COMPANY, New York, N. Y. Filed Nov. 5, 1936.

TOSS = A = WAY

For Disposable Diapers, Hospital Pads, and Sanitary Pads.
Claims use since Aug. 27, 1936.

Ser. No. 385,317. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Nov. 9, 1936.

WHITE STAR

For Dental Plaster Paris.
Claims use since 1909.

Ser No. 385,357. J. F. JELENKO AND COMPANY, INC., New York, N. Y. Filed Nov. 10, 1936.

MODULAY

For Gold for Dental Inlays.
Claims use since Oct. 1, 1936.

Ser. No. 385,479. FRANCESCA GLUCKSTEIN, London, England. Filed Nov. 13, 1936.

MAZZOLAID

For First Aid Container and Equipment.
Claims use since Oct. 5, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 384,984. SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Oct. 30, 1936.

Apricade

For Fruit Juices for Beverage Purposes.
Claims use since Sept. 24, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 364,126. DRY FRUIT PRODUCTS CORPORATION, Oakland, Calif. Filed Apr. 24, 1935.

PRUNEGLO

For Bread.
Claims use since March, 1935.

Ser. No. 374,180. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica and New York, N. Y. Filed Jan. 28, 1936.

DAIRYLEA

For Cream.
Claims use since Sept. 29, 1932.

Ser. No. 377,312. STEPHEN LEEMAN PRODUCTS CORP., New York, N. Y. Filed Apr. 17, 1936.

Lee-master

For Candies and Nutted Crackers.
Claims use since June 10, 1935.

Ser. No. 380,272. THE R. T. FRENCH COMPANY, Rochester, N. Y. Filed June 26, 1936.



The representation of a person is fanciful.
For Mustard.
Claims use since Apr. 12, 1935.

Ser. No. 380,755. CARBOON & COMPANY, Fowler, Ind. Filed July 8, 1936.

VITA MAID

For Canned Vegetables.
Claims use since May 25, 1936.

Ser. No. 381,392. BOSSEMEYER BROS., Superior, Nebr. Filed July 25, 1936.



Applicant is the owner of trade-mark registration No. 107,148.

The word "Brand" is disclaimed apart from the mark shown.

For Chick Mash, Chick Feed, Growing Mash, Laying Mash, Egg Mash, Hen Scratch, Poultry Fattener, Turkey Starting Mash, Pig Meal, 40% Protein Supplemental Hog Feed, Sweet Dairy Feed, Dairy Feed, Calf Meal, Molasses Cattle Fattener, All Mash Ration.
Claims use since May 1, 1914.

Ser. No. 383,188. SUN HARBOR PACKING CORP., San Diego, Calif. Filed Sept. 12, 1936.

WHITE SEAL

For Canned Tuna.
Claims use since 1925.

Ser. No. 383,295. COOPERATIEVE PRODUCENTEN HANDELSVEREENIGING, Gouda, Netherlands. Filed Sept. 16, 1936.

HOLFARM

For Cheese, Condensed Milk, Milk Powder, and Butter.
Claims use since Aug. 15, 1936.

Ser. No. 383,526. GENERAL MILLS, INC., Minneapolis, Minn. Filed Sept. 23, 1936.

PRIDE of PERRY

For Flour, Particularly Wheat Flour.
Claims use since 1920.

Ser. No. 383,898. GEORGE SANTIKIAN, doing business as Pacific Raisin Company, Fowler, Calif. Filed Oct. 2, 1936.

SELMOR BRAND

The word "Brand" apart from the mark as shown is disclaimed.

For Dried Fruits, Raisins, and Dried Black Grapes.
Claims use since 1925.

Ser. No. 384,029. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Oct. 6, 1936.

SUBREX

For Brewer's Corn Syrup.
Claims use since Sept. 21, 1936.

Ser. No. 384,053. SCHEIFER & BARST, New York, N. Y. Filed Oct. 6, 1936.

GOLDEN HOUSE

For Canned Fruits and Vegetables.
Claims use since May 8, 1936.

Ser. No. 384,840. BURRY BISCUIT CORPORATION, Linden, N. J. Filed Oct. 27, 1936.



The word "Cocoanut" is disclaimed apart from the mark as shown.
For Cookies.
Claims use since Sept. 9, 1936.

Ser. No. 384,873. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Filed Oct. 27, 1936.

COOX-AID

For Salt Preparation for the Seasoning of Foods.
Claims use since Oct. 17, 1936.

Ser. No. 384,878. E. J. BRACH & SONS, Chicago, Ill. Filed Oct. 28, 1936.

Old "Doc" Brox

For Candy.
Claims use since Aug. 23, 1936.

Ser. No. 385,049. LOUISIANA STATE RICE MILLING COMPANY, INC., Abbeville, La. Filed Nov. 2, 1936.

TYCOON

For Rice.
Claims use since Dec. 26, 1905.

Ser. No. 385,301. NORRIS INCORPORATED, Atlanta, Ga. Filed Nov. 9, 1936.

CHARMANT

For Candy.
Claims use since September, 1929.

Ser. No. 385,303. NORRIS INCORPORATED, Atlanta, Ga. Filed Nov. 9, 1936.

Full Dress

For Candy.
Claims use since December, 1935.

Ser. No. 385,308. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif. Filed Nov. 9, 1936.

ROCHESTER
CASTLE

For Fresh Citrus Fruits—Namely, Oranges and Grapefruit.
Claims use since Apr. 14, 1935.

Ser. No. 385,385. J. ARON & COMPANY, INC., New Orleans, La. Filed Nov. 11, 1936.

AUTOCRAT

Applicant is the owner of trade-mark registration No. 111,560.
For Rice.
Claims use since 1913.

Ser. No. 385,389. BERCUT RICHARDS PACKING COMPANY, Sacramento, Calif. Filed Nov. 11, 1936.

STATE FAIR

For Canned Fruits, Canned Vegetables, Canned Spanish Style Hot Sauce.
Claims use since Feb. 26, 1936.

Ser. No. 385,481. GRIFFITH-DURNEY COMPANY, San Francisco, Calif. Filed Nov. 13, 1936.

PENINSULAR

For Canned Salmon.
Claims use since March, 1902.

Ser. No. 385,532. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Nov. 14, 1936.

ROXEY

For Dog Food.
Claims use since Sept. 8, 1934.

CLASS 47

Wines

Ser. No. 346,900. SAMUEL COHN, doing business as Arist Soares & Ca. Successor, Oporto, Portugal. Filed Feb. 3, 1934.

Arist Soares & Ca.
Successor
OPORTO

The word "Oporto" is disclaimed apart from the mark.
For Wines.
Claims use since Feb. 20, 1925.

Ser. No. 379,564. PORTAL, DINGWALL & NORRIS, London, England. Filed June 11, 1936.



For Sherry Wine.
Claims use since Apr. 7, 1932.

Ser. No. 384,468. MINNA F. LIPPMAN, New York, N. Y. Filed Oct. 17, 1936. Under Sec. 5b, Act of 1905, as amended in 1920.

BUCKINGHAM

For Wines.
Claims use since Sept. 22, 1935.

CLASS 48

Malt Beverages and Liquors

Ser. No. 384,818. ST. MARYS BEVERAGE COMPANY, St. Marys, Pa. Filed Oct. 26, 1936.



All wording except applicant's corporate name is disclaimed apart from the mark shown.
For Beer.
Claims use since Aug. 1, 1933.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 386,223. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md. Filed Dec. 2, 1936.

Sweetheart

For Whiskey, Gin, Brandy, Cognac, Rum, and Alcoholic Cordials.
Claims use since Mar. 6, 1912.

Ser. No. 386,224. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md. Filed Dec. 2, 1936.



The word "Club" is disclaimed apart from the mark shown.
For Whiskey, Gin, Brandy, Cognac, Rum, and Alcoholic Cordials.
Claims use since Aug. 21, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 384,704. GENERAL FELT PRODUCTS INC., Brooklyn, N. Y. Filed Oct. 23, 1936.

RAIN-BO-FILM

The word "Film" apart from the mark shown is disclaimed.
For Coated Fabrics Particularly Oiled Silk.
Claims use since Sept. 24, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 12, 1937

342,212. MALT CEREAL BEVERAGE HAVING NOT OVER THE LEGAL ALCOHOLIC CONTENT. MAIER BREWING COMPANY, INC., Los Angeles, Calif.
Filed August 28, 1933. Serial No. 341,092. PUBLISHED NOVEMBER 3, 1936. Class 48.

342,213. TOOTH PASTE AND MOUTH WASH. GUY C. BUXTON, Chicago, Ill.
Filed June 27, 1934. Serial No. 353,208. PUBLISHED SEPTEMBER 18, 1934. Class 6.

342,214. EGG PRODUCTS—NAMELY, EMULSIFIED EGGS AND FROZEN EGGS FOR MAKING CAKE, PASTRY, AND BREAD. THE EMULSOL CORPORATION, Chicago, Ill.
Filed December 3, 1934. Serial No. 358,837. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,215. WHISKY, GIN, HIGHLAND LIQUEUR WHISKY, LONDON DRY GIN, OLD TOM GIN, AND DRY GIN. MEAGHER BROS. & CO. LIMITED, Montreal, Quebec, Canada.
Filed January 4, 1935. Serial No. 359,919. PUBLISHED APRIL 21, 1936. Class 49.

342,216. AIR CONDITIONING APPARATUS—NAMELY, AIR PURIFIERS, FANS, BLOWERS, HEATERS, COOLERS, HUMIDIFIERS, DEHUMIDIFIERS, HEAT EXCHANGERS, VENTILATING DUCTS, SPRAY TOWERS, CABINET TYPE INDIVIDUAL ROOM COOLERS, CABINET TYPE INDIVIDUAL ROOM HEATERS. SERVEL, INC., New York, N. Y.
Filed March 27, 1935. Serial No. 363,067. PUBLISHED NOVEMBER 3, 1936. Class 34.

342,217. COMPOUND IN POWDER FORM USED FOR CLEANING PURPOSES SUCH AS DISHWASHING; CLEANING OF TILE, LINOLEUM, OR PAINTED SURFACES; FOR LAUNDERING; IN THE BATH; CLEANING OF WINDOWS, ETC. JAY VANDEWATER, doing business as Atlas Chem. Products Co., Jersey City, N. J.
Filed July 30, 1935. Serial No. 367,843. PUBLISHED OCTOBER 8, 1935. Class 4.

342,218. RADIO RECEIVING SETS. R. C. HOLBERT, doing business as Royale Radio Manufacturing Co., Los Angeles, Calif.
Filed September 16, 1935. Serial No. 369,360. PUBLISHED DECEMBER 24, 1935. Class 21.

342,219. SOAPS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignors to Caron Corporation, New York, N. Y., a corporation of New York.
Filed November 22, 1935. Serial No. 371,858. PUBLISHED AUGUST 4, 1936. Class 4.

342,220. PERFUMES, TOILET WATERS, FACE AND TOILET POWDERS, POWDER AND ROUGE COMPACTS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR, AND SACHETS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignors to Caron Corporation, New York, N. Y., a corporation of New York.
Filed November 22, 1935. Serial No. 371,859. PUBLISHED AUGUST 4, 1936. Class 6.

342,221. PREPARATIONS IN THE FORM OF POWDER OR LIQUID FOR STOPPING HEMORRHAGE. NAAMLOOZE VENNOOTSCHAP SANGOSTOP, Amsterdam, Netherlands.
Filed December 6, 1935. Serial No. 372,327. PUBLISHED OCTOBER 27, 1936. Class 6.

342,222. READY-MIXED PAINTS AND PAINT ENAMELS. FAUST-BOOTH PAINT COMPANY, St. Louis, Mo.
Filed December 13, 1935. Serial No. 372,592. PUBLISHED NOVEMBER 3, 1936. Class 16.

342,223. NASAL PREPARATION—NAMELY, AN INHALANT. TREBOR CHEMICAL COMPANY, INC., New York, N. Y.
Filed January 9, 1936. Serial No. 373,512. PUBLISHED SEPTEMBER 1, 1936. Class 6.

342,224. CANNED SARDINES. FISH PACKERS, INC., San Francisco, Calif.
Filed January 24, 1936. Serial No. 374,046. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,225. CEREAL GERM OILS USED IN THE DEVELOPMENT AND STIMULATION OF THE REPRODUCTIVE ORGANS. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed January 31, 1936. Serial No. 374,350. PUBLISHED OCTOBER 20, 1936. Class 6.

342,226. CHEMICAL PRODUCT FOR PRESERVING WOOD AND OTHER ORGANIC MATERIALS. ZINSSER & COMPANY, INC., Hastings-upon-Hudson, N. Y.
Filed February 18, 1936. Serial No. 374,994. PUBLISHED OCTOBER 27, 1936. Class 6.

342,227. USED MOTOR VEHICLE PARTS—NAMELY, AUTOMOBILE AND TRUCK BODIES AND PARTS, CHASSIS SPRINGS, WHEELS, AXLES, ETC. JOE M. HENSLEE, Longview, Tex.
Filed March 11, 1936. Serial No. 375,845. PUBLISHED NOVEMBER 3, 1936. Class 19.

342,228. DAIRY PRODUCTS—NAMELY, EVAPORATED MILK. PEVELY DAIRY COMPANY, St. Louis, Mo.
Filed March 14, 1936. Serial No. 376,004. PUBLISHED MAY 12, 1936. Class 46.

342,229. MEDICINAL PREPARATION CONSISTING OF A SULPHUR COMPOUND USED PRINCIPALLY FOR ARTHRITIS. BIOGENE CHEMICAL COMPANY, INC., Boston, Mass.
Filed March 16, 1936. Serial No. 376,031. PUBLISHED OCTOBER 27, 1936. Class 6.

342,230. MEDICINAL PREPARATIONS CONSISTING OF SULPHUR COMPOUNDS SUCH AS SORIGENE USED PRINCIPALLY FOR PSORIASIS AND ARNEGENE USED PRINCIPALLY FOR ARTHRITIS. BIOGENE CHEMICAL COMPANY, INC., Boston, Mass.
Filed March 16, 1936. Serial No. 376,032. PUBLISHED OCTOBER 27, 1936. Class 6.

342,231. MEDICINAL PREPARATION CONSISTING OF A SULPHUR COMPOUND USED PRINCIPALLY FOR PSORIASIS AND FOR OTHER SKIN AILMENTS. BIOGENE CHEMICAL COMPANY, INC., Boston, Mass.
Filed March 16, 1936. Serial No. 376,033. PUBLISHED OCTOBER 27, 1936. Class 6.

342,232. THERMOSTATIC TEMPERATURE CONTROLS, MORE PARTICULARLY LIVE OR LOW VOLTAGE ROOM THERMOSTATS WITH OR WITHOUT TIME CONTROLLED MECHANISM. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed March 27, 1936. Serial No. 376,484. PUBLISHED NOVEMBER 3, 1936. Class 26.

342,233. AEROPLANES AND STRUCTURAL PARTS OF AEROPLANES. DORNIER-METALLBAUTEN G. M. B. H., Friedrichshafen-on-the-Bodensee, Germany.
Filed April 1, 1936. Serial No. 376,665. PUBLISHED NOVEMBER 3, 1936. Class 19.

342,234. AEROPLANES AND STRUCTURAL PARTS OF AEROPLANES. DORNIER-METALLBAUTEN G. M. B. H., Friedrichshafen-on-the-Bodensee, Germany.
Filed April 1, 1936. Serial No. 376,666. PUBLISHED NOVEMBER 3, 1936. Class 19.

342,235. METAL POLISHES IN POWDER FORM AND IN LIQUID FORM, SHOE POLISH, AND SCRUBBING POWDER FOR KITCHEN AND ANALOGOUS USES. V. H. GAEFFOE, Houston, Tex.
Filed April 1, 1936. Serial No. 376,673. PUBLISHED OCTOBER 27, 1936. Class 4.

342,236. AUTOMOBILE STEERING STABILIZERS. SAFETY STEERING STABILIZER COMPANY, Pittsburgh, Pa.
Filed April 9, 1936. Serial No. 377,023. PUBLISHED NOVEMBER 3, 1936. Class 19.

342,237. MEDICINAL PREPARTION FOR USE IN THE TREATMENT OF GRIPPE, LARYNGITIS, BRONCHITIS, AND PULMONARY AILMENTS. MARIA LUISA NICOLIN DE PADILLA, doing business as Laboratorios Farmacéuticos Terrier, Mexico, D. F., Mexico.
Filed April 11, 1936. Serial No. 377,124. PUBLISHED OCTOBER 6, 1936. Class 6.

342,238. AIR CONDITIONING APPARATUS—NAMELY, FURNACE FANS, BLOWER FILTER UNITS, FORCED AIR HEATING SYSTEMS, AND BLOWERS. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio.
Filed April 14, 1936. Serial No. 377,181. PUBLISHED NOVEMBER 3, 1936. Class 34.

342,239. AUTOMOBILE FILLING STATION SUPPLIES OF LIQUID AND SEMI-LIQUID, LARGELY PETROLEUM AND HYDROCARBONS AND COMPOUNDS THEREFROM, ADAPTED AS FUEL AND LUBRICATING OILS AND GREASES. HICKOK OIL CORPORATION, Toledo, Ohio.
Filed May 14, 1936. Serial No. 378,434. PUBLISHED NOVEMBER 3, 1936. Class 15.

342,240. TOILET ARTICLES—NAMELY, WITCH HAZEL AND AFTER SHAVE LOTION. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed May 18, 1936. Serial No. 378,551. PUBLISHED OCTOBER 27, 1936. Class 6.

342,241. SHAVING CREAMS AND SHAVING POWDERS. BECTIN-SEYMOUR, New York, N. Y.
Filed May 20, 1936. Serial No. 378,643. PUBLISHED OCTOBER 27, 1936. Class 4.

342,242. SENSITIZER BASE FOR USE IN PHOTO ENGRAVING AND PHOTO LITHOGRAPHY. THOR HOLLAND, Seattle, Wash.
Filed June 1, 1936. Serial No. 379,091. PUBLISHED OCTOBER 27, 1936. Class 6.

342,243. BISCUITS, VIZ., ASSORTED SWEET COOKIES. BURRY BISCUIT CORPORATION, Chicago, Ill., and Linden, N. J.
Filed June 15, 1936. Serial No. 379,734. PUBLISHED OCTOBER 20, 1936. Class 46.

342,244. STEEL WOOL. JAMES H. RHODES & COMPANY, Chicago, Ill.
Filed June 18, 1936. Serial No. 379,900. PUBLISHED OCTOBER 27, 1936. Class 4.

342,245. STEEL WOOL. JAMES H. RHODES & COMPANY, Chicago, Ill.
Filed June 18, 1936. Serial No. 379,901. PUBLISHED OCTOBER 27, 1936. Class 4.

342,246. PHARMACEUTICAL WINE FOR USE AS A TONIC. HENRI VIAL, Lyon, France.
Filed June 18, 1936. Serial No. 379,914. PUBLISHED OCTOBER 27, 1936. Class 6.

342,247. CLEANING COMPOUND FOR AUTOMOBILES, FURNITURE, FLOORS, AND THE LIKE. JACK D. NICHOLAS, St. Joseph, Mo.
Filed June 22, 1936. Serial No. 379,992. PUBLISHED OCTOBER 27, 1936. Class 4.

342,248. COMPLEX MIXTURE OF RESINS AND WAXES OR WAX-LIKE BODIES USED FOR A COATING FOR PAPER AND BOARD. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware.
Filed June 20, 1936. Serial No. 380,017. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,249. PREPARATIONS FOR TREATING PRINTING PLATES SUCH AS PHOTOLITHO, TRANSFERRED ORIGINALS, AND PRESS PLATES. OTTO EILERT, Cleveland, Ohio.
Filed June 23, 1936. Serial No. 380,099. PUBLISHED OCTOBER 27, 1936. Class 6.

342,250. MEDICINAL PREPARATION, TAKEN INTERNALLY, FOR THE TREATMENT OF ARTERIOSCLEROSIS, HEART AILMENTS, AND DISEASES OF THE CIRCULATORY SYSTEM. ETABLISSEMENTS PASTIVAL, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Paris, France.
Filed June 24, 1936. Serial No. 380,137. PUBLISHED OCTOBER 27, 1936. Class 6.

342,251. PREPARATION FOR THE TREATMENT OF NERVOUS DISEASES, TONICS FOR THE NERVES, NEURASTHENIA, AND NERVOUS INSOMNIA. ETABLISSEMENTS PASTIVAL, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Paris, France.
Filed June 24, 1936. Serial No. 380,142. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,252. PILE FABRICS IN THE PIECE MADE FROM MOHAIR. MARCUS BROTHERS, doing business as Marbro Mills, New York, N. Y.
Filed June 24, 1936. Serial No. 380,174. PUBLISHED OCTOBER 27, 1936. Class 42.

342,253. LIQUID CLEANSER FOR GENERAL HOUSEHOLD CLEANING PURPOSES. FRANK GEORGE BOLTE, Jr., Audubon, N. J.
Filed July 2, 1936. Serial No. 380,495. PUBLISHED OCTOBER 27, 1936. Class 4.

342,254. OIL BURNERS AND PARTS THEREOF. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa.
Filed July 3, 1936. Serial No. 380,548. PUBLISHED NOVEMBER 3, 1936. Class 34.

342,255. ELECTRO-THERAPEUTIC MASSAGE DEVICES. HARVEY D. SANDSTONE, Portland, Oreg.
Filed July 6, 1936. Serial No. 380,672. PUBLISHED NOVEMBER 3, 1936. Class 44.

342,256. GENERAL TONIC. ELVIN LINDON, doing business as Golden Vital Company, Cincinnati, Ohio.
Filed July 7, 1936. Serial No. 380,711. PUBLISHED OCTOBER 27, 1936. Class 6.

342,257. SAW BITS. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed July 7, 1936. Serial No. 380,721. PUBLISHED NOVEMBER 3, 1936. Class 23.

342,258. WOOLEN PIECE GOODS. ALEXANDER WOOLEN COMPANY, Chicago, Ill.
Filed July 14, 1936. Serial No. 380,982. PUBLISHED NOVEMBER 3, 1936. Class 42.

342,259. WOOLEN PIECE GOODS. ALEXANDER WOOLEN COMPANY, Chicago, Ill.
Filed July 14, 1936. Serial No. 380,983. PUBLISHED NOVEMBER 3, 1936. Class 42.

342,260. WOOLEN PIECE GOODS. ALEXANDER WOOLEN COMPANY, Chicago, Ill.
Filed July 14, 1936. Serial No. 380,984. PUBLISHED NOVEMBER 3, 1936. Class 42.

342,261. KEY CHAINS, MONEY HOLDERS, AND CUFF LINKS, ALL MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED IN WHOLE OR IN PART WITH THE SAME; NECKTIE HOLDERS FOR PERSONAL WEAR, SCARF PINS, AND WATCH GUARDS. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed July 14, 1936. Serial No. 380,991. PUBLISHED NOVEMBER 3, 1936. Class 28.

342,262. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed July 15, 1936. Serial No. 381,037. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,263. COFFEE. KENNEDY & CO., INC., Boston, Mass.
Filed July 15, 1936. Serial No. 381,109. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,264. ANTI-FREEZE PREPARATIONS FOR THE ENGINE COOLING SYSTEMS OF AUTOMOBILES AND OTHER INTERNAL COMBUSTION ENGINES. PUBLICKER COMMERCIAL ALCOHOL COMPANY, Philadelphia, Pa.
Filed July 17, 1936. Serial No. 381,110. PUBLISHED OCTOBER 27, 1936. Class 6.

342,265. ANTI-FREEZE PREPARATIONS FOR THE ENGINE COOLING SYSTEMS OF AUTOMOBILES AND OTHER INTERNAL COMBUSTION ENGINES. PUBLICKER COMMERCIAL ALCOHOL COMPANY, Philadelphia, Pa.
Filed July 17, 1936. Serial No. 381,111. PUBLISHED OCTOBER 27, 1936. Class 6.

342,266. INTRAVENOUS SOLUTIONS TO BE USED FOR VARIOUS PHARMACEUTICALS AND DRUG MEDICATION, FOR ORAL INTRAMUSCULAR, INTRAVENOUS, SUBCUTANEOUS, EXTERNAL, AND NEEDLE APPLICATIONS—NAMELY, AS AN ANTACID AND ALKALIZER IN SUCH CONDITIONS AS GASTRITIS, HYPERACIDITY, FLATULENCE, ACID-STOMACH, AND WHEREVER A GASTRO-INTESTINAL ALKALIZER IS INDICATED. ENDO PRODUCTS, INC., New York, N. Y.
Filed July 18, 1936. Serial No. 381,153. PUBLISHED OCTOBER 27, 1936. Class 6.

342,267. MEDICINE BEING IN THE NATURE OF A SERUM CONTAINING A NEW ENZYME TO BE USED FOR THE TREATMENT OF CARCINOMA, SARCOMA, ADENO-CARCINOMA, CATARACT, TUBERCULOSIS, AND THE LIKE. THE FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA FOR THE PROMOTION OF THE MECHANIC ARTS, Philadelphia, Pa.
Filed July 18, 1936. Serial No. 381,157. PUBLISHED OCTOBER 27, 1936. Class 6.

342,268. OILS FOR CLEANING WOOD, METAL, TILE, TERRAZZO, PORCELAIN, AND LIKE SURFACES. WHITTEMORE-WRIGHT COMPANY, INC., Charlestown, Mass.
Filed July 18, 1936. Serial No. 381,181. PUBLISHED OCTOBER 27, 1936. Class 4.

342,269. MOTOR LUBRICATING OILS. WINDSOR-LLOYD PRODUCTS, INC., doing business as Booster Chemical and Engineering Company, Baltimore, Md., and Wilmington, Del.
Filed July 18, 1936. Serial No. 381,184. PUBLISHED NOVEMBER 3, 1936. Class 15.

342,270. ANTISEPTIC AND THERAPEUTIC OINTMENT FOR LOCAL APPLICATION—NAMELY, FOR THE TREATMENT OF ECZEMA, ATHLETE'S FOOT, SCALY INFLAMMATION OF THE SKIN, BARBER'S ITCH, DANDRUFF, PIMPLES, SORES AND OPEN WOUNDS, BURNS, BOILS, POISON IVY, AND POISON OAK. HYDROXSUL, INC., Jersey City, N. J.
Filed July 22, 1936. Serial No. 381,313. PUBLISHED OCTOBER 27, 1936. Class 6.

342,271. MESH NET CONTAINERS FOR USE IN LAUNDRIES. TINOUE, BROWN & CO., New York, N. Y.
Filed July 23, 1936. Serial No. 381,339. PUBLISHED NOVEMBER 3, 1936. Class 24.

342,272. MESH NET CONTAINERS FOR USE IN LAUNDRIES. TINOUE, BROWN & CO., New York, N. Y.
Filed July 23, 1936. Serial No. 381,347. PUBLISHED NOVEMBER 3, 1936. Class 24.

342,273. MICROPHONES, RADIO SETS, RECEIVING AND TRANSMITTING; TRANSFORMERS, POWER, INPUT AND OUTPUT; CHOKES, CONDENSERS, REFRIGERATORS, TUBES, RADIO, PICKUPS AND AMPLIFIERS, SHORT WAVE SETS, SPEAKERS, AND TRANSMITTING APPARATUS. PILGRIM ELECTRIC CORPORATION, New York, N. Y.
Filed July 23, 1936. Serial No. 381,390. PUBLISHED NOVEMBER 3, 1936. Class 21.

342,274. RUM. COMPAÑIA RON BACARDI, S. A., Santiago de Cuba, Cuba.
Filed July 24, 1936. Serial No. 381,403. PUBLISHED OCTOBER 27, 1936. Class 49.

342,275. RUM. COMPAÑIA RON BACARDI, S. A., Santiago de Cuba, Cuba.
Filed July 24, 1936. Serial No. 381,404. PUBLISHED OCTOBER 27, 1936. Class 49.

342,276. PERFUME. RUTLAND BROTHERS, INC., doing business as Rutland's, St. Petersburg, Fla.
Filed July 24, 1936. Serial No. 381,425. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,277. LAXATIVE. BISCO LABORATORIES, INC., New York and Woodside, N. Y.
Filed July 25, 1936. Serial No. 381,444. PUBLISHED OCTOBER 27, 1936. Class 6.

342,278. OINTMENT EXTERNALLY APPLICABLE TO RELIEVE COLDS IN THE HEAD, THROAT, AND CHEST. RAY P. HELM, doing business as The Helm Company, Benton Harbor, Mich.
Filed July 25, 1936. Serial No. 381,457. PUBLISHED OCTOBER 27, 1936. Class 6.

342,279. CLEANSING POWDER. THE BON AMI COMPANY, New York, N. Y.
Filed July 27, 1936. Serial No. 381,475. PUBLISHED OCTOBER 27, 1936. Class 4.

342,280. BODY POWDER. VIRGINIA P. WOLFE, St. Augustine, Fla.
Filed July 28, 1936. Serial No. 381,542. PUBLISHED OCTOBER 27, 1936. Class 6.

342,281. SOAP. VOORHIS-TIEBOUT COMPANY, INC., Rhinebeck, N. Y.
Filed July 29, 1936. Serial No. 381,593. PUBLISHED OCTOBER 27, 1936. Class 4.

342,282. COUGH SYRUP. O. H. D. Co., INC., Wilmington, Del.
Filed July 30, 1936. Serial No. 381,638. PUBLISHED OCTOBER 27, 1936. Class 6.

342,283. WHEAT FLOUR. COMMANDER-LARABEE MILLING COMPANY, doing business as The Larabee Flour Mills Company, Kansas City, Mo.
Filed July 31, 1936. Serial No. 381,662. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,284. MACHINE FOR DETERMINING AND INDICATING THE HARDNESS OF METALLIC COATINGS. BATIST R. HAUEISEN, Indianapolis, Ind.
Filed July 31, 1936. Serial No. 381,671. PUBLISHED NOVEMBER 3, 1936. Class 26.

342,285. DENATURED ALCOHOL AND RADIATOR ANTI-FREEZE COMPOSITIONS. ALLIED INDUSTRIAL ALCOHOL CORPORATION, New York, N. Y.
Filed August 1, 1936. Serial No. 381,700. PUBLISHED OCTOBER 27, 1936. Class 6.

342,286. DENATURED ALCOHOL. ALLIED INDUSTRIAL ALCOHOL CORPORATION, New York, N. Y.
Filed August 1, 1936. Serial No. 381,701. PUBLISHED OCTOBER 27, 1936. Class 6.

342,287. DENATURED ALCOHOL. ALLIED INDUSTRIAL ALCOHOL CORPORATION, New York, N. Y.
Filed August 1, 1936. Serial No. 381,702. PUBLISHED OCTOBER 27, 1936. Class 6.

342,288. OXALIC ACID, PAREGORIC, GLYCERINE AND ROSE WATER, TINCTURE OF MURIATE OF IRON, GERMAN CHAMOMILE TEA, LIME WATER, ETC. REX PHARMACY, INC., Seattle, Wash.
Filed August 3, 1936. Serial No. 381,783. PUBLISHED OCTOBER 27, 1936. Class 6.

342,289. CELLULAR BRICKS. ROYALTON FACE BRICK CO., Middletown, Pa.
Filed August 4, 1936. Serial No. 381,821. PUBLISHED OCTOBER 27, 1936. Class 12.

342,290. RUST INHIBITIVE COMPOUNDS FOR STOPPING AND PREVENTING CORROSION ON METALS. THE SKYBRYTE COMPANY, Cleveland, Ohio.
Filed August 4, 1936. Serial No. 381,823. PUBLISHED OCTOBER 27, 1936. Class 6.

342,291. FRUIT COMPOUND USED AS A FILLER IN BREAD, CAKES, ROLLS, BISCUITS, COOKIES, ICE CREAM, CANDY, AND THE LIKE. ARTHUR R. BRICK, doing business as Vita-Glo Company, Crosswicks, N. J.
Filed August 5, 1936. Serial No. 381,834. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,292. SALVE ADAPTED FOR TREATMENT OF SUNBURN, BLEMISHES, CHAPPED SKIN, CHAFING, BABY RASH, ECZEMA, BLISTERS, BURNS, CUTS, BRUISES, INSECT BITES, POISON IVY, INFECTIONS, AND OTHER SKIN DISORDERS. GEORGE V. KIRCOFF, Fort Wayne, Ind.
Filed August 4, 1936. Serial No. 381,897. PUBLISHED OCTOBER 27, 1936. Class 6.

342,293. PERMANENT WAVE SOLUTIONS, WAVE SET THAT IS A SOLUTION USED IN GIVING FINGER WAVES. E. MORRIS MANUFACTURING CO., Detroit, Mich.
Filed August 7, 1936. Serial No. 381,916. PUBLISHED OCTOBER 27, 1936. Class 6.

342,294. WINDOWS AND WINDOW FRAMES. THE N. S. W. COMPANY, Detroit, Mich.
Filed August 10, 1936. Serial No. 381,993. PUBLISHED OCTOBER 27, 1936. Class 12.

342,295. MACHINERY PACKING FORMED VARIOUSLY FROM COTTON DUCK, ASBESTOS, AND THE LIKE. THE ANCHOR PACKING COMPANY, Philadelphia, Pa.
Filed August 11, 1936. Serial No. 382,032. PUBLISHED NOVEMBER 3, 1936. Class 35.

342,296. TOWELS AND TOWELING IN THE PIECE. CO-OPERATIVE MFG. CO., San Francisco, Calif.
Filed August 12, 1936. Serial No. 382,089. PUBLISHED NOVEMBER 3, 1936. Class 42.

342,297. LIQUID ASTRINGENT, LIQUID CLEANSING CREAM, FOUNDATION CREAM, FACE POWDER, LIPSTICK, ROUGE, CREAM ROUGE, MASCARA, EYE SHADOW, AND DUSTING POWDER. INTI SALONS, INC., New York, N. Y.
Filed August 12, 1936. Serial No. 382,094. PUBLISHED OCTOBER 27, 1936. Class 6.

342,298. LIQUID ASTRINGENT, LIQUID CLEANSING CREAM, FOUNDATION CREAM, FACE POWDER, LIPSTICK, ROUGE, CREAM ROUGE, MASCARA, EYE SHADOW, AND DUSTING POWDER. INTI SALONS, INC., New York, N. Y.
Filed August 12, 1936. Serial No. 382,095. PUBLISHED OCTOBER 27, 1936. Class 6.

342,299. CHEMICAL COMPOUND, BEING IN THE NATURE OF A TEXTILE FINISH WITH WATER REPELLANT CHARACTERISTICS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed August 13, 1936. Serial No. 382,148. PUBLISHED OCTOBER 20, 1936. Class 6.

342,300. LIQUID COMPOUND FOR USE IN CERTAIN RESPIRATORY DISTURBANCES IN DOMESTIC ANIMALS. PITMAN-MOORE COMPANY, Indianapolis, Ind.
Filed August 14, 1936. Serial No. 382,171. PUBLISHED OCTOBER 20, 1936. Class 6.

342,301. LIQUID PREPARATION FOR THE RELIEF OF COUGH. PITMAN-MOORE COMPANY, Indianapolis, Ind.
Filed August 14, 1936. Serial No. 382,172. PUBLISHED OCTOBER 20, 1936. Class 6.

342,302. BACTERIAL PRODUCT FOR IMMUNIZING DOGS AGAINST DISTEMPER. PITMAN-MOORE COMPANY, Indianapolis, Ind.
Filed August 14, 1936. Serial No. 382,173. PUBLISHED OCTOBER 20, 1936. Class 6.

342,303. HAIR PREPARATION. FREDERICK CHATMAN, New York, N. Y.
Filed August 15, 1936. Serial No. 382,203. PUBLISHED OCTOBER 20, 1936. Class 6.

342,304. MEDICINAL PREPARATION USED IN TREATMENT OF RESPIRATORY DISEASES. E. T. KREBS, doing business as Leptol Laboratories, San Francisco, Calif.
Filed August 15, 1936. Serial No. 382,225. PUBLISHED OCTOBER 20, 1936. Class 6.

342,305. DIURETIC DRUG USED IN TREATING HYPERTENSION, ANGINA PECTORIS, CORONARY THROMBOSIS, MYOCARDIAL INSUFFICIENCY, EDEMA AND RELATED CONDITIONS. WM. P. POYTHRESS & CO., INC., Richmond, Va.
Filed August 15, 1936. Serial No. 382,234. PUBLISHED OCTOBER 20, 1936. Class 6.

342,306. SCLEROSING SOLUTION FOR NON-SURGICAL, AMBULATORY, PAINLESS INJECTION CLOSURE OF HERNIA, VARICOSE VEINS, AND OTHER VARICOSITIES. D. FUNSTON COMPANY, doing business as Williams & Company, Chicago, Ill.
Filed August 17, 1936. Serial No. 382,267. PUBLISHED OCTOBER 20, 1936. Class 6.

342,307. CHEMICALS EMPLOYED IN THE TREATMENT OF WATER FOR THE REMOVAL OF FLUORINE AND/OR SILICA THEREFROM. NATIONAL ALUMINATE CORPORATION, Chicago, Ill.
Filed August 17, 1936. Serial No. 382,274. PUBLISHED OCTOBER 20, 1936. Class 6.

342,308. SKIN AND SCALP LOTION. LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif.
Filed August 18, 1936. Serial No. 382,317. PUBLISHED OCTOBER 20, 1936. Class 6.

342,309. CASTABLE REFRACTORY. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo.
Filed August 19, 1936. Serial No. 382,352. PUBLISHED OCTOBER 20, 1936. Class 12.

342,310. DOUCHE POWDER. TREDOR CHEMICAL CO. INC., New York, N. Y.
Filed August 19, 1936. Serial No. 382,366. PUBLISHED OCTOBER 20, 1936. Class 6.

342,311. LIQUID MEDICINAL PREPARATION COMPOUNDED FOR USE AS AN ALTERATIVE, DIURETIC, AND ANALGESIC FOR THE RELIEF AND TREATMENT OF RHEUMATISM. WACO DRUG COMPANY, Portland, Oreg.
Filed August 19, 1936. Serial No. 382,369. PUBLISHED OCTOBER 27, 1936. Class 6.

342,312. PERMANENT WAVING SOLUTION. THE PERFO COMPANY, INCORPORATED, Chicago, Ill.
Filed August 20, 1936. Serial No. 382,393. PUBLISHED OCTOBER 20, 1936. Class 6.

342,313. HAND TRAVELING BAGS, LADIES' OVERNIGHT TRAVELING CASES, LUGGAGE CARRYING CASES, AND TRUNKS. CARSON PIRIE SCOTT AND COMPANY, Chicago, Ill.
Filed August 21, 1936. Serial No. 382,423. PUBLISHED NOVEMBER 3, 1936. Class 3.

342,314. PELLAGRA MEDICINE. THE MASON MEDICINE CO., Wesser, N. C.
Filed August 21, 1936. Serial No. 382,434. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,315. CONCENTRATES, SYRUPS, FLAVORS, AND EMULSIONS FOR BEVERAGE PURPOSES. MUTUAL CITRUS PRODUCTS CO., Anaheim, Calif.
Filed August 21, 1936. Serial No. 382,441. PUBLISHED NOVEMBER 3, 1936. Class 45.

342,316. CLAMPS FOR ELECTRICAL CONDUCTORS. THE OHIO BRASS COMPANY, Mansfield, Ohio.
Filed August 21, 1936. Serial No. 382,442. PUBLISHED NOVEMBER 3, 1936. Class 21.

342,317. FOOT PREPARATIONS—NAMELY, FOOT POWDER. FORD HOPKINS COMPANY, doing business as Dr. Richards, Chicago, Ill.
Filed August 22, 1936. Serial No. 382,469. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,318. MEDICINE FOR THE TREATMENT OF COLDS, NEURALGIA, AND MUSCULAR SORENESS. GARLINGER & CO., INC., Philadelphia, Pa.
Filed August 22, 1936. Serial No. 382,470. PUBLISHED OCTOBER 27, 1936. Class 6.

342,319. SALT BLOCKS FOR LIVE STOCK. WORCESTER SALT COMPANY, New York, N. Y.
Filed August 22, 1936. Serial No. 382,503. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,320. CANNED VEGETABLES. TAORMINA CORPORATION, Donna, Tex.
Filed August 24, 1936. Serial No. 382,535. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,321. PREPARATION FOR THE TREATMENT OF SKIN DISEASES IN POWDER, PASTE, CREAM, AND SOAP FORM. PAUL METADIER, Tours, France.
Filed August 25, 1936. Serial No. 382,565. PUBLISHED OCTOBER 27, 1936. Class 6.

342,322. DYESTUFFS. ZINSSER & CO., INC., Hastings-upon-Hudson, N. Y.
Filed August 25, 1936. Serial No. 382,579. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,323. PAVING MATERIALS—NAMELY, BITUMINOUS MATERIAL FOR ROAD CONSTRUCTION AND MAINTENANCE, ROOFING, AND WATERPROOFING. ANDRESEN CORPORATION, Chicago, Ill.
Filed August 26, 1936. Serial No. 382,583. PUBLISHED OCTOBER 20, 1936. Class 12.

342,324. LIQUID TREATMENT FOR THE CONTROL OF EXCESS FAT. EDWIN BANTA, doing business as The Tay-Ban Co., Los Angeles, Calif.
Filed August 26, 1936. Serial No. 382,584. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,325. LAXATIVE. THE CAMLAX COMPANY, Dover, Del., and New York, N. Y.
Filed August 26, 1936. Serial No. 382,588. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,326. LAXATIVE. THE CAMLAX COMPANY, Dover, Del., and New York, N. Y.
Filed August 26, 1936. Serial No. 382,589. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,327. COSMETICS COMPRISING CLEANSING CREAM, MASSAGE CREAM, HAND CREAM, ASTRINGENT LOTION, FINISHING LOTION, FACE LOTION, SHAVING LOTION, FACIAL PACKS, POWDER BASES, LIQUID EMULSIONS, SHAMPOO, SPECIAL MASSAGE OILS, AND BLEACHING CREAM. PHYSICIAN PRESCRIBED COSMETIC LABORATORIES, INC., Wilmington, Del., and Mount Vernon, N. Y.
Filed August 26, 1936. Serial No. 382,602. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,328. DRY SAUSAGE. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed August 26, 1936. Serial No. 382,603. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,329. COFFEE, TEA, SPICES, PURE AND IMITATION EXTRACTS OF VARIOUS FLAVORS FOR USE IN COOKING AND BAKING; COCOA. CANNED GOODS, CONSISTING OF CORN, PEAS, BEANS, TOMATOES; CORN, MAPLE, AND CANE SYRUPS FOR TABLE OR COOKING PURPOSES: PICKLES, PEACHES, APPLES, PUMPKIN, CHERRIES, AND PINEAPPLE. GEORGE W. KUNTZ, Evansville, Ind.
Filed August 27, 1936. Serial No. 382,632. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,330. LIQUID PETROLEUM GASES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed August 27, 1936. Serial No. 382,637. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,331. CANNED VEGETABLES AND FROZEN VEGETABLES IN CANS. EASTERN SHORE CANNING CO., INC., Machipongo, Va.
Filed August 28, 1936. Serial No. 382,661. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,332. PRODUCT SPECIALLY PREPARED FOR THE TREATMENT OF MINOR IRRITATIONS OF THE EYES AND PARTICULARLY FOR THE RELIEF OF SORENESS OF GRANULATED LIDS. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed August 28, 1936. Serial No. 382,671. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,333. LIQUID ANALGESIC. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed August 28, 1936. Serial No. 382,672. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,334. READY-MIXED PAINTS, PAINT ENAMELS, AND VARNISHES. ELLIOTT PAINT & VARNISH COMPANY, Chicago, Ill.
Filed August 28, 1936. Serial No. 382,698. PUBLISHED NOVEMBER 3, 1936. Class 16.

342,335. PERMANENT WAVING LOTIONS. AMERICAN YVETTE COMPANY, INC., New York, N. Y.
Filed August 29, 1936. Serial No. 382,705. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,336. MEDICATED CHEWING GUM FOR RELIEVING INTERNAL ACID CONDITIONS. BROWN BOLTÉ, New York, N. Y.
Filed August 29, 1936. Serial No. 382,708. PUBLISHED OCTOBER 27, 1936. Class 6.

342,337. BAY RUM, MOUTH WASHES; FACE, SKIN, AND HAND LOTIONS; PERFUMES, HAIR DRESSINGS; CONCENTRATES FOR THE PREPARATION OF FACE, SKIN, AND HAND LOTIONS, MOUTH WASHES, AND HAIR DRESSINGS; COLD CREAMS, VANISHING CREAMS, MASSAGE CREAMS, SKIN CLEANSERS, SKIN WHITENERS, AND COCOA BUTTER. NORMITOL, INCORPORATED, Norwalk, Conn.
Filed August 31, 1936. Serial No. 382,764. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,338. CRYSTALLINE DIHYDRO FOLLICULAR HORMONE, ALSO KNOWN UNDER THE CHEMICAL NAME OF DIHYDROXYESTRIN, RECOMMENDED AS A MEDICINAL PREPARATION TO BE USED IN DISORDERS OF THE FEMALE SEX GLANDS, AND PARTICULARLY FOR THE TREATMENT OF DEFICIENCIES OF FEMALE FOLLICULAR SEX HORMONE. SCHERING CORPORATION, Bloomfield, N. J.
Filed August 31, 1936. Serial No. 382,771. PUBLISHED OCTOBER 27, 1936. Class 6.

342,339. COFFEE AND TEA. FRED. J. SCHLAMP, Queens, Long Island, N. Y.
Filed August 31, 1936. Serial No. 382,772. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,340. DRESSING TO BE APPLIED TO RUGS TO PREVENT THE SAME FROM SLIPPING ON FLOORS. EARLE J. DE GOLIER, doing business as Neverslip Dressing Company, Bradford, Pa.
Filed September 1, 1936. Serial No. 382,789. PUBLISHED NOVEMBER 3, 1936. Class 5.

342,341. CARPETS, RUGS, AND UPHOLSTERY FABRICS, IN THE PIECE, OF COTTON, MOHAIR, AND/OR COMBINATIONS THEREOF. INTERNATIONAL LOOMS, INC., New York, N. Y.
Filed September 1, 1936. Serial No. 382,796. PUBLISHED NOVEMBER 3, 1936. Class 42.

342,342. ABSORBENT COTTON. THE FOREST CITY RUBBER COMPANY, Cleveland, Ohio.
Filed September 2, 1936. Serial No. 382,826. PUBLISHED NOVEMBER 3, 1936. Class 44.

342,343. ENZYMIC PREPARATION PRODUCED UPON AND WITHIN A CEREAL BASE FOR THE DECOMPOSITION AND CONVERSION OF STARCHES AND/OR PROTEINS AND THEIR REMOVAL FROM TEXTILE MATERIALS INCLUDING LINEN, COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. JACQUES WOLF & COMPANY, Passaic, N. J.
Filed September 2, 1936. Serial No. 382,851. PUBLISHED OCTOBER 27, 1936. Class 6.

342,344. ANTISEPTIC SOLUTION FOR THE TREATMENT OF CUTS, BURNS, SPRAINS, INSECT BITES, AND ABRASIONS OF THE SKIN. PEARL RODMAN, Waxhaw, N. C.
Filed September 3, 1936. Serial No. 382,889. PUBLISHED OCTOBER 27, 1936. Class 6.

342,345. TOOTH POWDER AND MOUTH WASH. DENTI-SET CORPORATION, Wilmington, Del.
Filed September 4, 1936. Serial No. 382,907. PUBLISHED OCTOBER 27, 1936. Class 6.

342,346. PLAIN AND SELF RISING WHEAT FLOUR. DIXIE STORES, INCORPORATED, Greenville, S. C.
Filed September 4, 1936. Serial No. 382,909. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,347. ARTIFICIAL RESIN CONTAINING ADHESIVES IN THE FORM OF FILMS, POWDERS, AND SOLUTIONS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed September 5, 1936. Serial No. 382,955. PUBLISHED NOVEMBER 3, 1936. Class 5.

342,348. TEXTILE FABRICS IN THE PIECE MADE IN WHOLE OR IN PART OF RAYON, SILK, OR COTTON. NORTH CAROLINA FABRICS CORPORATION, Salisbury, N. C.
Filed September 5, 1936. Serial No. 382,960. PUBLISHED OCTOBER 27, 1936. Class 42.

342,349. CHEMICAL COMPOUNDS IN THE FORM OF SOLUTIONS, PASTES, AND THE LIKE, USED FOR PLANT GROWTH STIMULATION. MERCK & CO. INC., Rahway, N. J.
Filed September 3, 1936. Serial No. 382,984. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,350. CANNED FRUITS. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed September 8, 1936. Serial No. 383,015. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,351. MILKING MACHINES AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed September 8, 1936. Serial No. 383,019. PUBLISHED NOVEMBER 3, 1936. Class 23.

342,352. MILKING MACHINES AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed September 8, 1936. Serial No. 383,020. PUBLISHED NOVEMBER 3, 1936. Class 23.

342,353. FERRO-ALLOY BRIQUETS. ELECTRO METALLURGICAL COMPANY, New York, N. Y.
Filed September 9, 1936. Serial No. 383,054. PUBLISHED NOVEMBER 3, 1936. Class 14.

342,354. VAGINAL DIAPHRAGMS. IRVING H. MALIS, doing business as Veritas Products Co., New York, N. Y.
Filed September 9, 1936. Serial No. 383,068. PUBLISHED NOVEMBER 3, 1936. Class 44.

342,355. MOTION PICTURES AND MOTION PICTURE FILMS, WHICH HAVE RECORDS OF SOUND, WORDS, AND/OR MUSIC THEREON, AND MOTION PICTURE FILMS ADAPTED FOR SYNCHRONIZATION WITH SOUND, WORDS, AND/OR MUSIC RECORDS. REPUBLIC PICTURES CORPORATION, New York, N. Y.
Filed September 9, 1936. Serial No. 383,070. PUBLISHED NOVEMBER 3, 1936. Class 26.

342,356. PREFORMED SHEETS OF METAL READY FOR USE IN LAYING SHEET METAL ROOFING. CARL R. SCHLICHT, doing business as Inter-Lox Steel Co., La Crosse, Wis.
Filed September 9, 1936. Serial No. 383,071. PUBLISHED NOVEMBER 3, 1936. Class 12.

342,357. ELECTRICAL WIRES, CABLES, AND CONDUCTORS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed September 10, 1936. Serial No. 383,092. PUBLISHED NOVEMBER 3, 1936. Class 21.

342,358. CHEMICAL COMPOUNDS IN THE FORM OF SOLUTIONS, PASTES, AND THE LIKE, USED FOR PLANT GROWTH STIMULATION. MERCK & CO. INC., Rahway, N. J.
Filed September 10, 1936. Serial No. 383,099. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,359. CANDY. OSWEGO CANDY WORKS, INC., Oswego, N. Y.
Filed September 10, 1936. Serial No. 383,102. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,360. CATHODE RAY TUBES AND THERMIONIC TUBES. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed September 10, 1936. Serial No. 383,103. PUBLISHED NOVEMBER 3, 1936. Class 21.

342,361. PNEUMATIC TIRES. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed September 10, 1936. Serial No. 383,110. PUBLISHED NOVEMBER 3, 1936. Class 35.

342,362. ACCORDIONS. SOPRANI, INC., Chicago, Ill.
Filed September 11, 1936. Serial No. 383,142. PUBLISHED NOVEMBER 3, 1936. Class 36.

342,363. FRESH APPLES. STANDARD FRUITS, INC., Wenatchee, Wash.
Filed September 11, 1936. Serial No. 383,143. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,364. RAZOR BLADES. COOPER & COOPER, INC., Brooklyn, N. Y.
Filed September 12, 1936. Serial No. 383,159. PUBLISHED NOVEMBER 3, 1936. Class 23.

342,365. AUTOMATIC OPTICAL PYROMETERS. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed September 12, 1936. Serial No. 383,173. PUBLISHED NOVEMBER 3, 1936. Class 26.

342,366. SOAPS FOR USE AS A CLEANSER AND SKIN SOFTENER, PARTICULARLY FOR USE BY INFANTS. ROCK-A-BYE COMPANY, New York, N. Y.
Filed September 12, 1936. Serial No. 383,181. PUBLISHED OCTOBER 27, 1936. Class 4.

342,367. FLASH LIGHTS. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn.
Filed September 12, 1936. Serial No. 383,182. PUBLISHED NOVEMBER 3, 1936. Class 21.

342,368. CARD GAMES. GORDON J. KELLY, Niles, Ohio.
Filed September 14, 1936. Serial No. 383,212. PUBLISHED NOVEMBER 3, 1936. Class 22.

342,369. RUM. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed September 17, 1936. Serial No. 383,344. PUBLISHED NOVEMBER 3, 1936. Class 49.

342,370. DOLLS, COSTUMES FOR DOLLS, PARTS OF COSTUMES FOR DOLLS, AND DOLLS' WIGS. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y.
Filed September 17, 1936. Serial No. 383,357. PUBLISHED NOVEMBER 3, 1936. Class 22.

342,371. RUM. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed September 19, 1936. Serial No. 383,423. PUBLISHED NOVEMBER 3, 1936. Class 49.

342,372. WHISKEY. J. C. MILLETT CO., San Francisco, Calif.
Filed September 19, 1936. Serial No. 383,440. PUBLISHED NOVEMBER 3, 1936. Class 49.

342,373. WHISKEY, RUM, GIN, BRANDY, AND ALCOHOLIC CORDIALS. LYNNDALE DISTILLERY CO., Louisville, Ky.
Filed September 24, 1936. Serial No. 383,591. PUBLISHED NOVEMBER 3, 1936. Class 49.

342,374. RAZOR BLADES. MAURICE E. PROCTOR, doing business as Proctor's Products Co., New Haven, Conn.
Filed September 29, 1936. Serial No. 383,783. PUBLISHED NOVEMBER 3, 1936. Class 23.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

342,375. (CLASS 39. CLOTHING.) B. G. GARMENT CO., INC., Chicago, Ill. Filed Nov. 23, 1935. Serial No. 371,904.

Gloria Howard

For Ladies', Misses', and Juniors' Dresses, Coats, and Suits.
Claims use since Nov. 15, 1935.

342,376. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BARNSDALL TRIPOLI CORPORATION, Seneca, Mo. Filed Dec. 14, 1935. Serial No. 372,619.

Valencia Pumice

For Pumice.
Claims use since Nov. 4, 1935.

342,377. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARRETT COMPANY, New York, N. Y. Filed Sept. 25, 1935. Serial No. 369,682.

TITE-LAP

For Roofing Comprising a Fabric or Fibrous Base Treated with Waterproofing Material.
Claims use since on or about May 24, 1935.

342,378. (CLASS 39. CLOTHING.) CLEMONS, INC., New York, N. Y. Filed Sept. 17, 1935. Serial No. 369,398.

Thoro-Test Clothes

For Men's and Boys' Suits, Overcoats, Topcoats, and Raincoats.
Claims use since Sept. 3, 1935.

342,379. (CLASS 39. CLOTHING.) A. DAVIS & SONS, INC., New York, N. Y. Filed Oct. 19, 1936. Serial No. 384,516.

De Luxe Camel Fluff

For Women's and Misses' Coats and Suits.
Claims use since Oct. 1, 1935.

342,380. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE DE ROOS-STERNHEIM COMPANY, INCORPORATED, Chicago, Ill. Filed June 26, 1936. Serial No. 380,262.

NORMANDIE

For Pads for Permanent Waving of Hair.
Claims use since May 15, 1935.

342,381. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EASTERN SHORE CANNING CO. INC., Machipongo, Va. Filed Aug. 28, 1936. Serial No. 382,660.

Eastern Shore

For Canned Vegetables and Frozen Vegetables.
Claims use since August, 1930.

342,382. (CLASS 39. CLOTHING.) THE ELDER AND JOHNSTON COMPANY, Dayton, Ohio. Filed June 11, 1936. Serial No. 379,553.

Vernon

For Women's Hosiery.
Claims use since Feb. 6, 1936.

342,383. (CLASS 15. OILS AND GREASES.) EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed Sept. 16, 1936. Serial No. 383,296.



For Candles.
Claims use since September, 1935.

342,384. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed Dec. 19, 1935. Serial No. 372,826.

MULTI-GRIP

For Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since Nov. 22, 1935.

342,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GERARD MILK PRODUCTS COMPANY, Baltimore, Md., and Philadelphia, Pa. Filed Oct. 10, 1936. Serial No. 384,183.

Gerard MILKMALT Blend

For Blend of Dried Skimmed Milk, Dried Buttermilk, and Processed Feeding Malt Flour, for Supplement to Poultry, Hog, and Dairy Foods.
Claims use since January, 1934.

342,386. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GLEASON WORKS, Rochester, N. Y. Filed Jan. 27, 1936. Serial No. 374,135.

SINGLE CYCLE

For Gear Cutting Tools and Blades Therefor.
Claims use since Mar. 9, 1935.

342,387. (CLASS 39. CLOTHING.) LEO J. GOLDBERGER, New York, N. Y. Filed Sept. 20, 1935. Serial No. 369,532.

PARISIAN PANTIES

For Children's Dresses, Blouses, and Jumpers.
Claims use since Sept. 11, 1935.

342,388. (CLASS 39. CLOTHING.) H. S. PETTICOAT CO., INC., Boston, Mass. Filed Sept. 1, 1936. Serial No. 382,794.

Evalast

For Ladies' Slips.
Claims use since Dec. 1, 1935.

342,389. (CLASS 37. PAPER AND STATIONERY.) HOLDEN PATENT BOOK COVER COMPANY, Springfield, Mass. Filed May 14, 1936. Serial No. 378,435.

WEARWELL

For Covers for Books.
Claims use since Sept. 1, 1926.

342,390. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 9, 1935. Serial No. 372,417.

Castleton

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Nov. 28, 1935.

342,391. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 14, 1936. Serial No. 385,521.

Mary Marlin

For Absorbent Face Cleansing Sheets, Made of Paper.
Claims use since Aug. 5, 1935.

342,392. (CLASS 43. THREAD AND YARN.) KAHN & FELDMAN, INC., New York, N. Y. Filed Oct. 24, 1936. Serial No. 384,749.

KORYARN

For Thread and Yarn.
Claims use since Nov. 27, 1934.

342,393. (CLASS 39. CLOTHING.) THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed Oct. 24, 1936. Serial No. 384,751.

Californian TROPICAL WEIGHT

For Men's and Boys' Hats and Caps and Ladies' Hats.
Claims use since Oct. 4, 1934.

342,394. (CLASS 39. CLOTHING.) LUXURAY, INC., New York, N. Y. Filed Nov. 11, 1936. Serial No. 385,415.

Free Action

For Ladies', Men's, and Children's Polo Shirts, Shorts, Undershirts, Panties, Topshirts, and Blouses.
Claims use since May 6, 1935.

342,395. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JAS. H. MATTHEWS & CO., Pittsburgh, Pa. Filed Sept. 16, 1936. Serial No. 383,318.

ROCKEDGE

For Grave Markers.
Claims use since April, 1935.

342,396. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NIPPON MERCHANDISE CO., Los Angeles, Calif. Filed May 11, 1936. Serial No. 378,324.

holbein

For Palettes; Palette and Paint Knives; and Canvas-Stretching Pliers.
Claims use since Oct. 20, 1935.

342,397. (CLASS 39. CLOTHING.) HENRY POLLAK, INC., New York, N. Y. Filed Oct. 27, 1936. Serial No. 384,865.

FOOCHOO

For Straw Hat Bodies.
Claims use since August, 1935.

342,398. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PORTABLE LIGHT CO., INC., New York, N. Y. Filed July 3, 1936. Serial No. 380,590.

One-Mile-Ray

For Searchlights.
Claims use since March, 1925.

342,399. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PORTABLE LIGHT CO., INC., New York, N. Y. Filed July 3, 1936. Serial No. 380,591.

Quarter-Mile-Ray

For Searchlights.
Claims use since June, 1929.

342,400. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PORTABLE LIGHT CO., INC., New York, N. Y. Filed July 3, 1936. Serial No. 380,592.

WHISTLETONE

For Electrical Horns.
Claims use since February, 1930.

342,401. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAYARD S. SCOTLAND, doing business as Sun-Flake Co., Joliet, Ill. Filed Oct. 24, 1935. Serial No. 370,777.

See QUALITY

For Rolled Oats.
Claims use since Oct. 12, 1935.

342,402. (CLASS 39. CLOTHING.) SPORTS GUILD INC., New York, N. Y. Filed Dec. 18, 1935. Serial No. 372,614.

B. H. Wragge

For Women's Apparel and Sportswear—Namely, Blouses, Slacks, Skirts, Shirts, Sweaters, Suits, Dresses, Shorts Sets, Scarfs, Jackets, and Riding Habits.
Claims use since December, 1920.

342,403. (CLASS 12. CONSTRUCTION MATERIALS.) THORKELSSON LIMITED, Winnipeg, Manitoba, Canada. Filed Dec. 31, 1934. Serial No. 359,877.

WOOD WOOL

For Insulating Composition Consisting of a Mixture of Ground Wood Mixed With Calcium.
Claims use since Dec. 15, 1933.

342,404. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Dec. 18, 1935. Serial No. 372,760.

NUBBY-KNIT

For Yarns for Art Needlework.
Claims use since Dec. 6, 1935.

342,405. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Dec. 18, 1935. Serial No. 372,800.

SHIRLEY TEMPLE

For Playing Cards.
Claims use since Nov. 25, 1935.

342,406. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM WILLER, doing business as Willer Laboratories, New York, N. Y. Filed Dec. 30, 1935. Serial No. 373,182.

KLEENASEPTIC

For Mouth Wash and Gargle.
Claims use since Feb. 13, 1934.

342,407. (CLASS 39. CLOTHING.) CHARLES N. WINSHIP, doing business as Winship, Boit & Co., Wakefield, Mass. Filed Nov. 5, 1935. Serial No. 371,244.

Pan-I-rib

For Misses' and Women's Underwear.
Claims use since Aug. 8, 1935.

TRADE-MARK REGISTRATIONS RENEWED

110,603. WOVEN DRESS-SHIRTS, NEGLIGÉE SHIRTS, AND UNDERSHIRTS, DRAWERS, AND SLEEPING-GARMENTS. Registered June 6, 1916. JACOB MILLER, SONS & COMPANY. Renewed June 6, 1936, to Jacob Miller's Sons Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

116,506. CERTAIN NAMED FOODS. Registered May 8, 1917. CHAMBERLAIN & COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Renewed May 8, 1937.

116,521. SELF-LUBRICATING TROLLEY-WHEEL BUSHINGS AND METAL AND GRAPHITE BEARINGS AND BUSHINGS. Registered May 8, 1917. THE GRAPHITE LUBRICATING COMPANY. Renewed May 8, 1937, to Bound Brook Oil-Less Bearing Company, Bound Brook, N. J., a corporation of New Jersey, by change of name.

LABELS

REGISTERED JANUARY 12, 1937

48,715.—*Title:* BORDEN'S EGGS. For Eggs. THE BORDEN COMPANY, New York, N. Y. Published September 19, 1936.

48,716.—*Title:* LORD BYRON. For Fresh Tomatoes. BRENTWOOD PRODUCE ASSOCIATION, Brentwood, Calif. Published June 1, 1936.

48,717.—*Title:* CROTZER'S EFFERVESCENT BROMO-MINT WITH CAFFEINE. For Preparation for Simple Headaches. BROMO-MINT COMPANY, INC., Selinsgrove, Pa. Published November 17, 1936.

48,718.—*Title:* COLLYRIUM DUO PURPOSE EYE SALVE. For Eye Salve. COLLYRIUM INCORPORATED, New York, N. Y. Published November 18, 1936.

48,719.—*Title:* INDORLITE WHITE. For Paint Products. COLONIAL WORKS, Brooklyn, N. Y. Published October 8, 1936.

48,720.—*Title:* DOUBLE CHECK. For Chewing Tobacco. CRIMSON COACH, INC., Toledo, Ohio. Published October 16, 1936.

48,721.—*Title:* TAK-A-LONG SUNDAE. For Sundaes. DIXIE-VORTEX COMPANY, Chicago, Ill., and Easton, Pa. Published September 1, 1936.

48,722.—*Title:* GRENADIER BEER. For Beer. G. HEILMAN BREWING CO., La Crosse, Wis. Published November 2, 1936.

48,723.—*Title:* DROMEDARY BAKED APPLES. For Baked Apples. THE HILLS BROTHERS COMPANY, New York, N. Y. Published November 6, 1936.

48,724.—*Title:* KEMP'S PEANUT BUTTER CHIPS. For Peanut Butter Chips. E. F. KEMP, INC., Somerville, Mass. Published April 1, 1936.

48,725.—*Title:* A TREASURE CHEST OF OLD-FASHIONED COOKIES. For Cookies. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published October 31, 1936.

48,726.—*Title:* CLOSHAVE TRIPLE ACTION BRUSHLESS SHAVE. For Brushless Shaving Cream. LENWELLS, INC., Chicago, Ill. Published October 1, 1936.

48,727.—*Title:* WIRTHBRU. For Beer. FRANK H. MORTIMER, trustee in bankruptcy for The Standard Brewing Company, Inc., New Orleans, La. Published October 31, 1936.

48,728.—*Title:* TAPS. For Insect Spray. National Retailer-Owned Grocers, Inc., Chicago, Ill. Published October 24, 1936.

48,729.—*Title:* SERGEANT'S. For Disinfectant. POLK MILLER PRODUCTS CORP., Richmond, Va. Published August 19, 1936.

48,730.—*Title:* PORTER. For Fresh Oranges. SUNFLOWER PACKING CORP., Porterville, Calif. Published November 10, 1936.

48,731.—*Title:* ROYAL PILSEN. For Beer. WASHINGTON BREWERY, INC., Washington, D. C. Published November 20, 1936.

PRINTS

REGISTERED JANUARY 12, 1937

15,993.—*Title:* BEECH-NUT BRAND SLICED BACON. For Bacon. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 2, 1936.

15,994.—*Title:* MAZZOLAID. For a First Aid Container and Equipment. FRANCESCA GLUCKSTEIN, London, England. Published September 21, 1936.

15,995.—*Title:* MAZZOLAID. For a First Aid Container and Equipment. FRANCESCA GLUCKSTEIN, London, England. Published September 21, 1936.

15,996.—*Title:* DR. PHILLIPS ORANGES, GRAPEFRUIT, AND TANGERINES. For Oranges, Grapefruit, and Tangerines. P. PHILLIPS COMPANY, Orlando and Dr. Phillips, Fla. Published November 1, 1936.

15,997.—*Title:* OLD FAITHFUL. For Coal. PITTSBURGH COAL COMPANY OF WISCONSIN, Minneapolis, Minn. Published June 1, 1936.

15,998.—*Title:* THE FRESHEST THING IN TOWN. For Bread. THE RUBEL BAKING COMPANY, Cincinnati, Ohio. Published Mar. 4, 1936.

15,999.—*Title:* SIZE MARKER PIPE CAPS FOR THREAD AND DUCT PROTECTION. For Pipe Caps. JAMES J. SHEERAN, Brooklyn, N. Y. Published October 9, 1936.

16,000.—*Title:* LENGTHEN THE LIFE LINE OF YOUR PACKAGE. For Glazed Paper. WYOMISSING GLAZED PAPER COMPANY, West Reading, Pa. Published November 9, 1936.

16,001.—*Title:* COLOR WITHOUT INK GLOSS WITHOUT VARNISH. For Glazed Paper. WYOMISSING GLAZED PAPER COMPANY, West Reading, Pa. Published November 9, 1936.

REISSUES

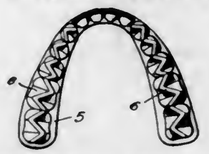
JANUARY 12, 1937

20,234
FALSE TEETH

Harry Chester Berry, Little Rock, Ark.

Original No. 1,941,735, dated January 2, 1934, Serial No. 418,933, January 6, 1930. Application for reissue December 30, 1935, Serial No. 56,842

7 Claims. (Cl. 32—8)



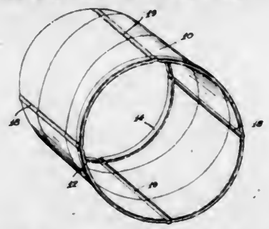
7. In combination, co-acting upper and lower dentures embodying teeth having their occlusal surfaces formed with cutting ridges extending in an irregular manner over the top surface of the tooth, the surface between the ridges being formed thereby into open-faced and open-ended grooves extending from the ridges to the lingual and buccal surfaces of the teeth to form spillways, and the ridges of opposed teeth crossing each other at angles to prevent interlocking.

20,235
COLLAPSIBLE PAPER CAN

Albion M. Boothby, Newton, and Marshall E. Gazette, Boston, Mass., assignors, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware

Original No. 2,037,675, dated April 14, 1936, Serial No. 650,986, January 10, 1933. Application for reissue November 19, 1936, Serial No. 111,644

12 Claims. (Cl. 229—2.5)



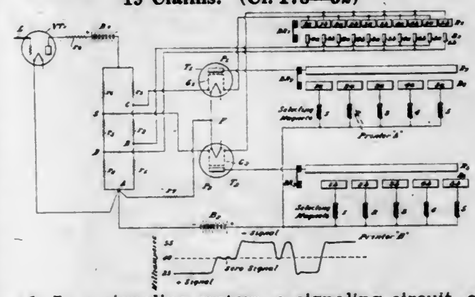
8. A knock-down container body comprising a multi-ply paper wall having an inherent substantially circular cross section, said wall having a plurality of circumferentially spaced weakened lines extending in a direction axially thereof with said weakened portions defining individual arcuate sections whose curvature is a built-in characteristic of said wall which persists in said individual sections independently of connection to other sections thereof, said body being collapsible toward a plane passing through its axis by relatively moving said sections toward said plane about the said lines as hinges to substantially reduce the volumetric space occupied by said body in its substantially circular condition while retaining said persistent curvature in said individual sections, and means adjacent one end of said wall to cooperate with an end to be inserted therein as a bottom serving to spread said body to substantially circular cross section.

20,236
PRINTING TELEGRAPH SYSTEM

Albert W. Breyfogel, Howard Beach, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Original No. 1,928,478, dated September 26, 1933, Serial No. 505,609, December 30, 1930. Renewed December 3, 1932. Application for reissue December 31, 1935, Serial No. 57,054

19 Claims. (Cl. 178—52)



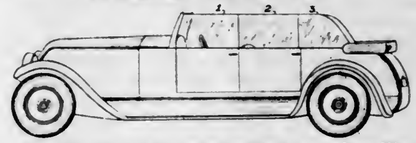
1. In a signaling system, a signaling circuit, a grid-controlled, gas-filled tube having its input circuit connected to said signaling circuit, means for normally maintaining the grid of said tube negative with respect to its cathode, and additional means responsive to positive signal impulses to reduce said negative biasing potential while maintaining its polarity the same.

20,237
VEHICLE BODY

Raymond L. Carr, Boston, Mass.

Original No. 1,826,865, dated October 13, 1931, Serial No. 183,199, April 12, 1927. Application for reissue March 7, 1933, Serial No. 659,987

71 Claims. (Cl. 296—45)



1. A vehicle body comprising a plurality of closure panels movable from a substantially concealed position within the vehicle to a juxtaposed position along the side of the vehicle, and resilient means stressed transversely of the vehicle and supporting at least one of said panels in said last-named position and holding it against an adjoining panel.

20,238
FAUCET WATER SOFTENER

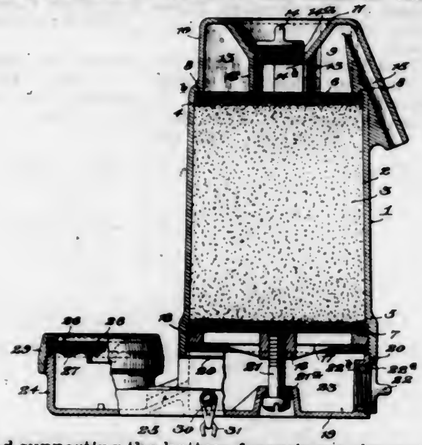
Vincent F. Lamela, Paterson, N. J., Eric Pick, New York, N. Y., and William Spencer Robertson, Madison, N. J., assignors to The Permutit Company, New York, N Y., a corporation of Delaware

Original No. 1,912,943, dated June 6, 1933, Serial No. 639,494, October 25, 1932. Application for reissue October 20, 1934, Serial No. 749,316

6 Claims. (Cl. 210—24)

1. A portable water softener adapted for at-

tachment and connection to a water faucet and comprising a softening chamber containing a body of packed granules of base exchange material, two foraminous water distributing elements holding said body at top and bottom, two members holding said foraminous elements so as to lock said body against movement both at top and bottom, the top holding member being integral with the chamber casing and the bottom member being a spider screwed to the chamber casing



and supporting the bottom foraminous element, a bottom closure member for said chamber attached to the spider and having laterally extending means for connecting the chamber at a point below said locked body to the water faucet, outlet means extending laterally downward from the chamber at a point above said locked body and two closable openings in the chamber respectively above and below said locked body and adapted respectively to introduce and discharge regenerating solution.

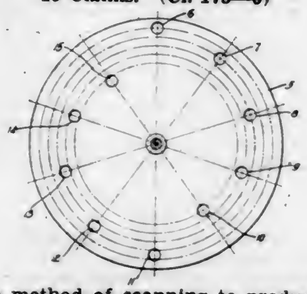
20,239

TELEVISION

Pierre Mertz, Bellerose, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Original No. 1,806,638, dated May 26, 1931, Serial No. 295,098, July 24, 1928. Application for reissue May 17, 1932, Serial No. 611,917

19 Claims. (Cl. 178—6)



1. The method of scanning to produce image currents which comprises repeatedly scanning the entire area of a field of view and causing each scanning line of the entire path of one complete scanning to partially overlap two scanning lines of a preceding one but not to completely overlie any scanning line of said preceding one.

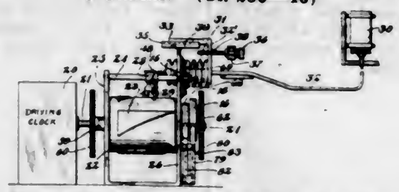
20,240

HEAT CONTROLLING SYSTEM

Percy R. Owens, Scarsdale, N. Y., assignor, by direct and mesne assignments, to Warren Webster & Company, Camden, N. J., a corporation of New Jersey

Original No. 1,812,897, dated July 7, 1931, Serial No. 81,465, January 15, 1926. Application for reissue October 17, 1935, Serial No. 45,500

9 Claims. (Cl. 236—46)



1. In combination, a conduit for a heating medium, valve means controlling the quantity of heating medium flowing therethrough by automatically checking and releasing the flow at intervals, and clock operated mechanism acting to render said valve means ineffective to release the flow at alternate intervals during parts of the day when reduced heating is desired.

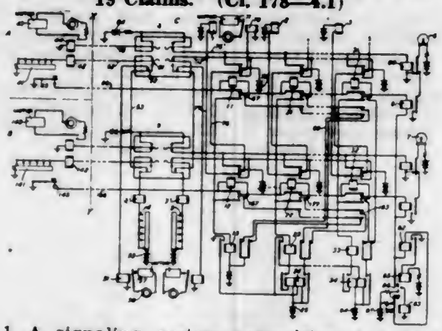
20,241

PRINTING TELEGRAPH EXCHANGE SYSTEM

Donald B. Perry, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Original No. 1,926,172, dated September 12, 1933, Serial No. 543,693, June 11, 1931. Application for reissue February 9, 1934, Serial No. 710,579

19 Claims. (Cl. 178—4.1)



1. A signaling system comprising a sending station, a plurality of receiving stations each provided with a signal recording device and a motor, selecting means for automatically establishing in one operation a connection between the sending station and an idle one of said receiving station whenever any one of said receiving stations is idle, characterized by means at the sending station for controlling the starting and the stopping of the motor at the connected receiving station.

20,242

INTERNAL COMBUSTION ENGINE

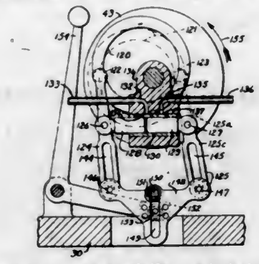
William H. Robertson, Dayton, Ohio

Original No. 1,879,910, dated September 27, 1932, Serial No. 285,414, June 14, 1928. Reissue application September 25, 1934, Serial No. 745,480. Divided and this application for reissue, March 26, 1935, Serial No. 13,182

7 Claims. (Cl. 123—139)

1. A liquid pump comprising, a cylinder having inlet and outlet ports, a pair of pistons reciprocating in said cylinder, piston driving means

including two cams, one for driving each piston independently and in timed relation to the other piston and means for varying, at will, the quan-



tity of liquid pumped while maintaining the time relation of the different movements of said pistons in the cyclic operation thereof substantially constant.

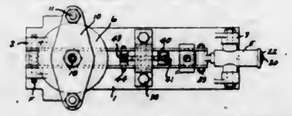
20,243

DEFROSTING MECHANISM

Lars H. Vold, Butler, Pa., assignor to Faust F. Crampton, Toledo, Ohio

Original No. 1,833,544, dated November 24, 1931, Serial No. 276,534, May 10, 1928. Application for reissue November 21, 1933, Serial No. 699,096

14 Claims. (Cl. 62—4)



1. A switch mechanism for a refrigerating system comprising a switch lever, power means connected to said switch lever responsive to fluid pressure, and energy storing means also connected to said lever, a ratchet wheel the teeth of which constitute an abutment for the switch lever, said ratchet wheel being rotated by the movement of the switch lever whereby a new abutment is provided for said lever, for each operating cycle of the switch.

20,244

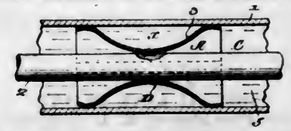
HIGH TENSION CABLE

Thomas F. Peterson, Worcester, Mass.

Original No. 1,912,794, dated June 6, 1933, Serial No. 68,089, November 10, 1925. Application for reissue May 21, 1935, Serial No. 22,575

9 Claims. (Cl. 173—265)

1. A cable adapted for high transmission voltages comprising in combination a core, a surrounding envelope coextensive in length with said core, a fluid dielectric medium between the core and the envelope, and a spacer element between the core and the envelope having a surface sloping from the normal to the core and with a total



thickness of spacer material measured along any normal to the core but a fraction of the length of said normal through the fluid dielectric.

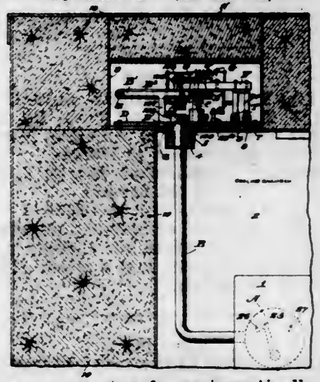
20,245

MEANS FOR AUTOMATICALLY DEFROSTING REFRIGERATING UNITS

Charles T. Hoffman, Washington, D. C., assignor, by direct and mesne assignments, to Lloyd M. Keighley, Dayton, Ohio

Original No. 1,886,953, dated November 8, 1932, Serial No. 394,209, September 21, 1929. Application for reissue January 25, 1933, Serial No. 653,551

46 Claims. (Cl. 62—4)



1. In an apparatus for automatically defrosting refrigerating units the combination with a switch, for automatically opening and closing the circuit to the refrigerator motor, an ice following and contacting member, a thermostatically operated circuit closer carried by said ice contacting and following member and having low and high temperature contacts, and a thermostat operating at a temperature above or below the set temperature of said low contact and included in an electrical circuit with said low temperature contact, whereby at unusual low temperatures the circuit to the low temperature contact will be automatically opened.

PLANT PATENTS

GRANTED JANUARY 12, 1937

219

CARNATION

Adolphe Frederick Jacob Baur, Indianapolis, Ind., assignor to Baur-Steinkamp and Company, Incorporated, Indianapolis, Ind.

Application July 29, 1936, Serial No. 93,294

1 Claim. (Cl. 47—60)

The variety of fragrant, medium pink carnation as shown and described, characterized particularly by its large flowers of distinctive coloring as described, its vigorous growth, its free and steady blooming, its strong stems and its strong non-splitting calyx.

PATENTS

GRANTED JANUARY 12, 1937

2,067,165
FISHING LINE FLOAT
Louis Albiser, Providence, R. I., assignor to Shurkatch Fishing Tackle Co., a corporation of Rhode Island
Application April 19, 1935, Serial No. 17,232
2 Claims. (Cl. 43—49)

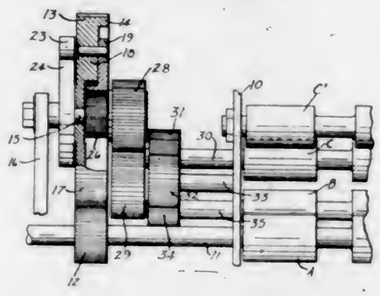


1. In a fishing line float, a body, a stem extending therefrom, a helically arranged wire loosely embracing said stem, and an abutment having a shank portion extending into the end portion of the stem for preventing removal of said wire.

2,067,166
TANTALUM CARBIDE ALLOY
Clarence W. Balke, Highland Park, Ill., assignor to Ramet Corporation of America, North Chicago, Ill., a corporation of Illinois
No Drawing. Application March 6, 1933, Serial No. 659,834
20 Claims. (Cl. 75—136)

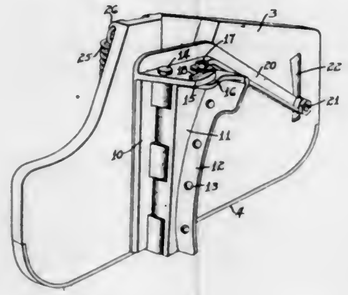
1. An imporous tool comprising an alloy consisting of deoxidized tantalum carbide predominating by weight therein, and a metal of the iron group united therewith.

2,067,167
GEARING FOR SPINNING MACHINES
Hans Bard, Dallas, Tex.
Application January 11, 1935, Serial No. 1,307
5 Claims. (Cl. 117—22)



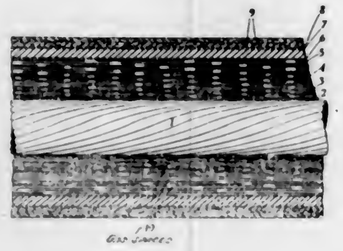
1. The combination with a spinning machine having front rolls and feeding rolls for spinning thread, of a gearing comprising, a drive shaft for driving said front rolls at a constant speed, an enlarged gear driven by said drive shaft and having connection with the feeding rolls to drive the same at a constant speed, and means free from direct connection with the front roll drive shaft carried by said gear for periodically increasing the speed of the feeding rolls at predetermined points during their rotation.

2,067,168
EDGER ATTACHMENT FOR GRADING MACHINES
Versal Forrest Baumgardner, Celina, Ohio
Application July 18, 1935, Serial No. 32,021
15 Claims. (Cl. 37—143)



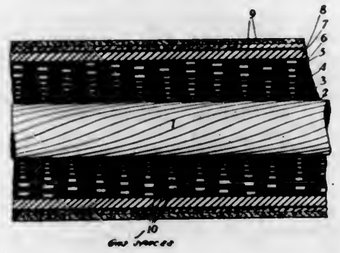
1. In an edger attachment for grader blades, an edger plate, a mount for the plate adapted to be attached to a grader blade end and having free vertical rocking and vertical sliding connections with the plate.

2,067,169
ELECTRIC CABLE
Charles James Beaver and Edward Leslie Davey, Cheshire, England, assignors to W. T. Glover and Company Limited, Manchester, England, a British company
Application January 27, 1933, Serial No. 653,763
In Great Britain February 9, 1932
11 Claims. (Cl. 173—264)



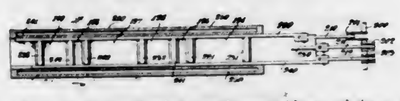
1. An electric cable comprising a conductor, an enclosing sheath and a dielectric layer between the conductor and the sheath, said layer comprising impregnated paper and a gas at a pressure substantially above that of the atmosphere, which gas occupies spaces of definite and substantially invariable dimensions and substantially clear of free compound under all working conditions, which spaces are distributed through the dielectric layer and which spaces are of increasing radial dimensions from the conductor outwards.

2,067,170
ELECTRIC CABLE
Charles James Beaver and Edward Leslie Davey, Cheshire, England, assignors to W. T. Glover and Company Limited, Manchester, England, a British company
Application August 15, 1933, Serial No. 685,192
In Great Britain September 27, 1932
11 Claims. (Cl. 173—264)



1. An electric power cable comprising a conductor, an enclosing sheath and a laminated dielectric layer between the conductor and the sheath, said dielectric having spaces of predetermined dimensions and positions distributed through the laminations, these spaces having a radial depth which increases from the conductor outwards, and gas in these spaces at a pressure less than the critical value for the largest radial dimension of any of said spaces.

2,067,171
ENGINE
Ralph H. Beard, Staten Island, N. Y.
Application January 24, 1933, Serial No. 653,252
23 Claims. (Cl. 123—51)

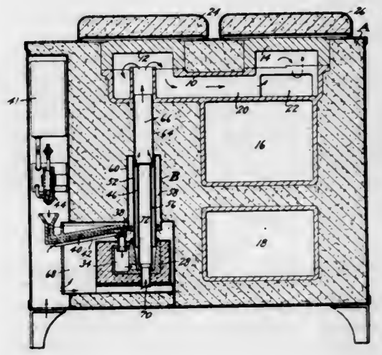


1. An engine of the reciprocating piston type comprising a cylinder of rectangular cross section, a first piston adapted to reciprocate in said cylinder, a first piston rod flush with one of the plane surfaces of said cylinder connected to said first piston, a first connecting rod connected to said piston rod, a crank connected to said connecting rod, a crank shaft including said crank, a second piston adapted to reciprocate in said cylinder, a second piston rod flush with one of the plane surfaces of said cylinder connected to said second piston, a second connecting rod connected to said second piston rod, a second crank connected to said second connecting rod included in the crank shaft mentioned, and means for applying fluid pressure to adjacent opposed piston faces during at least a part of the intervals in which said pistons are receding.

2,067,172
CHEMICAL COMPOUNDS AND PROCESS FOR PREPARING SAME
Wallace Hume Carothers, Fairville, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 6, 1933, Serial No. 659,833
23 Claims. (Cl. 260—6)

1. Halogenated polymer of an alpha, gamma-diene containing a single halogen atom in the molecule.

2,067,173
FUEL COMBUSTION
Gustaf Dalén, Lidingo, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application October 30, 1933, Serial No. 695,883
In Sweden November 3, 1932
8 Claims. (Cl. 126—44)



3. In a heating device of the character described, a heat requiring part within the device arranged to be heated by combustion gases flowing in contact therewith and to transmit heat by conduction to a body to be heated, said part tending to vary in temperature with variations in the rate at which heat is absorbed therefrom by the body to be heated, burner structure within the device including a contact vaporizer spaced from said heat requiring part and in intimate heat transfer relation with at least a portion of the combustion zone of the burner, and a pipe structure within the device having poor heat conducting characteristics, said pipe structure connecting said burner structure with said heat requiring part to provide a channel for flow of combustion gases within the device to said part and the poor heat conducting characteristics of the pipe structure retarding the loss of heat from the burner structure to the heat requiring part by conduction through the walls of said channel.

2,067,174
MANUFACTURE AND TREATMENT OF TEXTILE MATERIALS
William Alexander Dickie, Alexander McGill, and William Ivan Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 10, 1932, Serial No. 628,180. In Great Britain August 26, 1931
12 Claims. (Cl. 18—54)

1. Process for the production of artificial staple fibres, said process comprising, as steps continuous with the production of artificial filaments, the application to the filaments of a liquid containing a substance selected from the class consisting of compounds having the formula $R_1—X—R_2$ where R_1 is a hydroxy or basic amino radicle and R_2 is a different radicle that is a basic amino or acidyl amino radicle and X is an aliphatic residue, and addition products of said compounds with acids, and the cutting of the artificial filaments so treated.

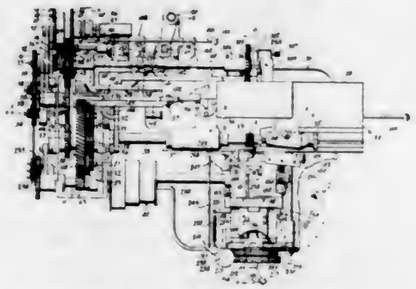
2,067,175
TREATMENT AND MANUFACTURE OF TEXTILE MATERIALS
William Alexander Dickie and William Ivan Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 10, 1932, Serial No. 628,181. In Great Britain August 26, 1931
10 Claims. (Cl. 18—54)

1. Process for the production of staple lengths of artificial filaments, said process comprising soaking continuous artificial filaments in a liquid containing a substance selected from the class consisting of compounds having the formula $R_1—X—R_2$, where R_1 is a hydroxy group or basic amino radicle and R_2 is a different radicle selected from the group consisting of basic amino and acidylamino radicles and X is an aliphatic residue, and addition products of said compounds with acids, and then cutting the filaments into staple lengths while they are still wet.

2,067,176
PRODUCTION OF AMINO ALCOHOL DERIVATIVES
Henry Dreyfus, London, England
No Drawing. Application August 22, 1932, Serial No. 629,898. In Great Britain September 18, 1931
10 Claims. (Cl. 260—99.12)

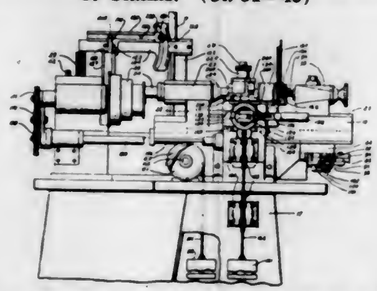
5. Process for the production of sulphonated organic compounds which comprises condensing an amino alcohol with an acid selected from the group consisting of resin acids and naphthenic acids and sulphonating the product.

2,067,177
GRINDING MACHINE AND METHOD
John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application July 9, 1930, Serial No. 466,764
Renewed December 12, 1935
33 Claims. (Cl. 51—50)



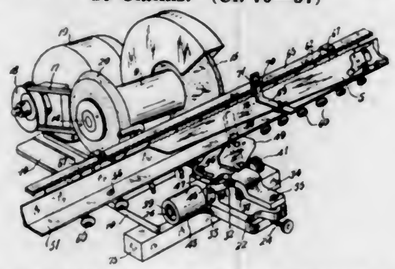
1. A machine for form and relief grinding rotary cutters having generally longitudinally inclined gashes and a plurality of longitudinally spaced annular rows of teeth comprising, in combination, a rotary shaft for supporting the cutter blank, means including a differential mechanism for rotating said shaft, a slide mounted for rectilinear movement perpendicularly to said shaft, a grinding wheel mounted on said slide, means acting on said slide for automatically effecting a relieving reciprocation between said wheel and the blank once for each tooth being ground, means for automatically effecting a relative step-by-step indexing movement between said wheel and the blank longitudinally of the latter and in timed relation to the rotation of the blank to present different rows of the teeth successively to said wheel, and means for automatically adjusting said differential mechanism during each step in said indexing movement to compensate for the inclination of said gashes.

2,067,178
GRINDING MACHINE
John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application October 24, 1932, Serial No. 639,262
40 Claims. (Cl. 51—45)



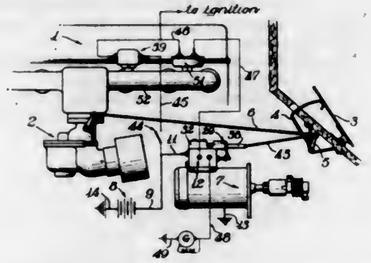
1. In a machine tool, in combination, a base, a carriage mounted for rectilinear movement on said base, a depending lug on the underside of said carriage, a nut fixed in said lug, a feed screw in threaded engagement with said nut, said nut being rotatably adjustable in said lug, drive means for rotating said feed screw continuously to advance said carriage relatively along said screw in one direction, and means for adjusting said screw axially in the other direction to modify the resultant movement of said carriage.

2,067,179
SAW SHARPENER
Austin C. Elder, Canton, Ohio
Application March 4, 1935, Serial No. 9,233
10 Claims. (Cl. 76—37)



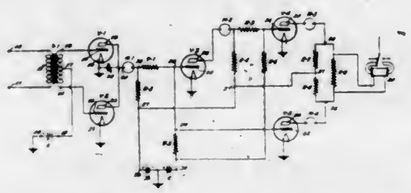
1. In a saw sharpener, an abrading tool, means for mounting said tool, means for driving said tool, means for holding said mounting in a position to locate the tool in a vertical plane or in an inclined plane upon either side of the vertical, a saw support adjustable to present the saw to the abrading tool in a horizontal position in all positions of the abrading tool, means carried by the support for guiding the saw into indexed position as it is moved with respect to the support in the direction of the tool, and means for adjusting said support longitudinally to vary the position of the said guiding means with respect to the tool.

2,067,180
STARTER CONTROL FOR INTERNAL COMBUSTION ENGINES
Manuel H. Elkin, Elmira Heights, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application January 28, 1936, Serial No. 61,209
14 Claims. (Cl. 290—37)



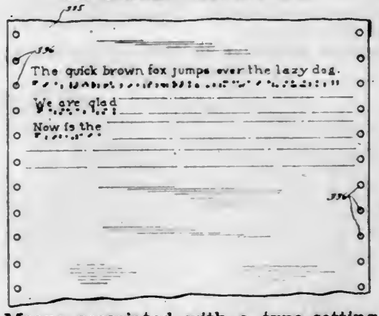
1. In combination with an internal combustion engine and a starting system therefor including a magnetic starting switch, a manually operable control member, and means operable thereby for moving the switch toward closed position but inoperative to close the switch.

2,067,181
RADIO PRINTER
William G. H. Finch, New York, N. Y.
Application November 11, 1935, Serial No. 49,221
8 Claims. (Cl. 178—70)



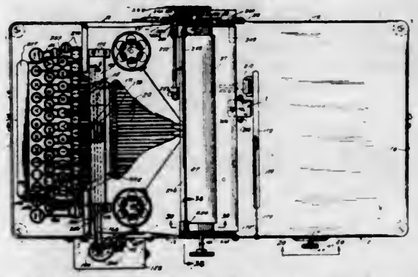
2. In a signalling system a first direct current amplifier comprising two stages; a second direct current amplifier comprising one stage, the input circuits of said first and second direct current amplifiers being connected in parallel; each stage of said amplifiers including a cathode, anode and control electrode; a common anode potential source for all of said stages; circuit connections for maintaining all of said cathodes at substantially the same potential; a conductive connection including a first impedance element from the anode of the first stage of said first amplifier to the control electrode of the next succeeding stage; a second common potential source; circuit connections including a second impedance element extending from all anodes to a terminal of said anode source; circuit connections including a third impedance element extending from all control electrodes to a terminal of said second source; all of said circuit connections controlling the application of the anode potential to their respective anodes and maintaining a predetermined bias potential on their respective control electrodes with respect to their individual cathodes; a translating device, the opposite terminals of said device being connected to respective anodes of the output of each of said amplifiers.

2,067,182
MEANS FOR AUTOMATICALLY SETTING TYPE IN TYPESETTING MACHINES
Buford L. Green, Charlotte, N. C., assignor to Semagraph Company, Dover, Del., a corporation of Delaware
Application November 2, 1929, Serial No. 404,331
Renewed July 20, 1933
285 Claims. (Cl. 199—18)



1. Means associated with a type-setting machine to automatically set the type therein which comprises photo-electric cell mechanism adapted to be operated by code characters on a sheet of translucent material, said photo-electric cell being adapted to read the code characters on said sheet of material to energize a magnet associated with a particular key bar to cause the key bar to release a certain matrix from the magazine of a type-setting machine into the assembly mechanism of the type-setting machine, and code characters on said sheet for operating said type-setting machine to further expand the space bars in the line.

2,067,183
MEANS FOR PREPARING CONTROL SHEETS
Buford L. Green, Charlotte, N. C., assignor to Semagraph Company, Dover, Del., a corporation of Delaware
Application February 7, 1930, Serial No. 426,854
Renewed April 15, 1936
81 Claims. (Cl. 197—1)

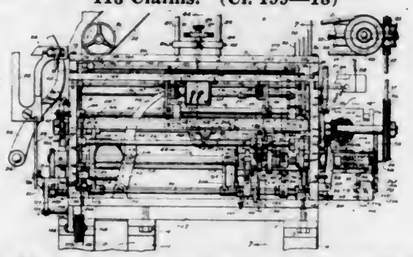


40. Means for preparing a control sheet for use in typesetting, typecasting, and like machines, comprising a typewriting mechanism provided with type bars and a carriage mechanism for receiving a sheet of paper, means on the type bars for printing code indicia, means for measuring and indicating at any given time the amount of space in a line occupied by code indicia for both legible characters and spaces, means for indicating the expansibility of a line and means for indicating the space members which may be added to the line.

69. A typewriter having individual type bars some of which are provided with a raised portion for writing a character and having also immedi-

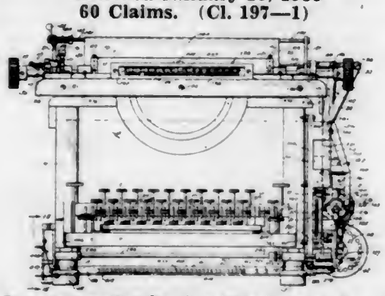
ately beneath the character portion one or more projections for writing one or more dots forming a code representation of such character.

2,067,184
AUTOMATIC MEANS FOR SETTING TYPE AND THE LIKE
Buford L. Green, Charlotte, N. C., assignor to Semagraph Company, Dover, Del., a corporation of Delaware
Application February 20, 1931, Serial No. 517,171
113 Claims. (Cl. 199—18)



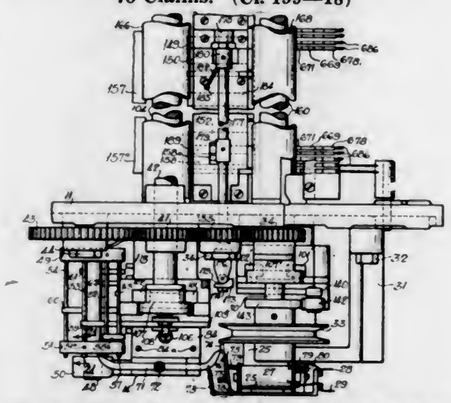
1. Means for reproducing printed characters comprising a mechanism adapted to receive a control sheet, a plurality of imperforate code characters on said sheet, there being one code for each character to be reproduced, some of said code characters comprising a plurality of cell controls, a machine for reproducing printed characters, means in said mechanism for receiving said control sheet, a light sensitive cell, means for moving said control sheet with relation to said light sensitive cell to cause the cell controls in each code character to be successively scanned by said light sensitive cell, and means operable by the scanning operation for automatically reproducing the character represented by the code character scanned by said scanning mechanism.

2,067,185
MEANS FOR PREPARING CONTROL SHEETS FOR LINOTYPE MACHINES AND THE LIKE
Buford L. Green, Charlotte, N. C., assignor to Semagraph Company, Dover, Del., a corporation of Delaware
Application June 23, 1931, Serial No. 546,380
Renewed January 16, 1936
60 Claims. (Cl. 197—1)



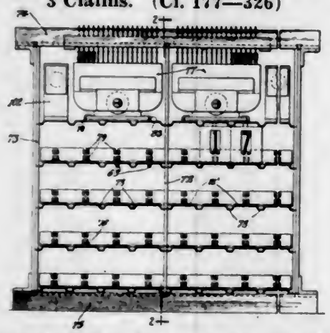
1. In a typewriter having type bars and a platen and a ribbon, projections on the type bars for printing cell controls, means operable by the type bars for measuring the space occupied in regular line printing by a character represented by each of said cell controls, said measuring means comprising a bar for each key bar and operable by the key bar when depressed in a line transversely of the platen of the typewriter, a plurality of bars slidable longitudinally with relation to the platen of the typewriter, indicating means controlled by the said longitudinally movable bars for indicating the space occupied by a particular character in regular line printing.

2,067,186
SELECTING MECHANISM
Buford L. Green, Charlotte, N. C., assignor to Semagraph Company, Dover, Del., a corporation of Delaware
Application September 9, 1933, Serial No. 688,753
Renewed July 29, 1936
78 Claims. (Cl. 199—18)



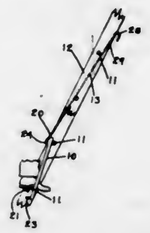
1. A selecting mechanism controlled by a plurality of electrical impulses for selectively operating a plurality of work-performing means comprising a first selector, a second selector controlled by the first selector, a third selector controlled by the second selector, and a fourth selector controlled by the second selector for selecting the portions of the third selector to be operated.

2,067,187
ELECTRICAL INDICATING MEANS
Merton L. Haselton, New York, N. Y., assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application May 11, 1928, Serial No. 276,883
3 Claims. (Cl. 177—326)



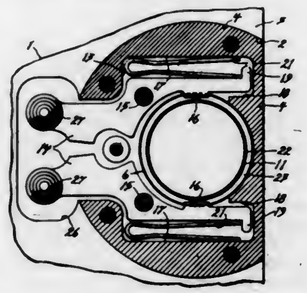
1. A frame of the character described for supporting indicator units provided with downwardly extending positioning lugs on the side edges of their bases, said frame comprising vertical partitions for spacing corresponding indicator unit assemblies relating to different stocks, and horizontal partitions intersecting said vertical partitions for separately supporting indicator unit assemblies relating to the same stock or stocks, said latter partitions being formed with depressions to receive the lugs of adjacent indicator units to hold the indicator units in contact with each other, and with wider depressions at their intersections with the vertical partitions to receive the lugs of the indicator units in contact with the vertical partitions.

2,067,188
SAFETY-STEP FOR LADDERS
John T. Hennessy, New Britain, Conn.
Application June 30, 1934, Serial No. 733,228
2 Claims. (Cl. 228—17)



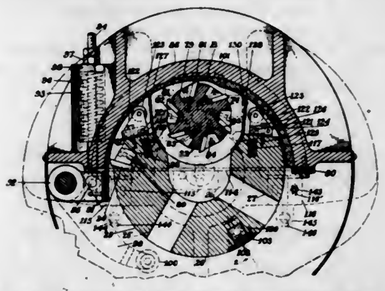
2. In a safety-step for ladders, a platform and support therefor arranged to permit of a horizontal position for the platform for use as a step and for tilting the platform upwardly out of the way and with a rung of a ladder serving the axis for such tilting, said platform being provided with foot-openings for admitting feet to said rung with the platform in such tilted position.

2,067,189
LENS MOUNT
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application June 24, 1935, Serial No. 28,028
14 Claims. (Cl. 95—53)



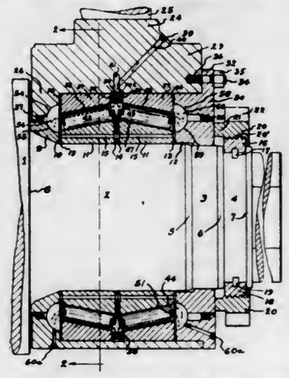
1. In a device of the character described the combination with a base member provided with a lens seat, of a lens barrel engageable on said seat and provided with an external latch recess formation, latch means associated with said base member and movable normal to the axis of the lens barrel to engage and disengage said recess formation, spring means yieldably urging said latch means into engaging position, and means whereby said latch means is manually operable into disengaging position.

2,067,190
PRINTING PLATE THINNING AND SHAVING MACHINE
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, permanent trustee
Application February 2, 1932, Serial No. 590,352
18 Claims. (Cl. 29—21)



15. In a device of the kind described, the combination of a rotating member, means secured to said member for shaving curved stereotype plates, a second member rotatably and eccentrically mounted on said first mentioned member, said second member having means fastened thereto for thinning the stereotype plate, a power shaft concentric with the first mentioned rotating member and positioned substantially at one end thereof, gear means operatively connecting said shaft with both of said members, and a single housing wherein said gear means and said shaft rotate.

2,067,191
OIL FILM BEARING
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application October 2, 1934, Serial No. 746,539
23 Claims. (Cl. 308—73)



1. A bearing comprising a fixed outer annular bearing member, a rotary inner bearing member, having a series of curved walled grooves therein, closely spaced bearing blocks having portions to fit said grooves closely, and bearing face portions beveled at their advancing ends in the direction of rotation of the inner member, said bearing face portions corresponding to the inner surface of the fixed outer member but of a total circumference less than said surface, and means for circulating oil to said bearing face portions whereby the

blocks are rotated in the grooves and an oil wedge is formed between said bearing face portions and said outer bearing member.

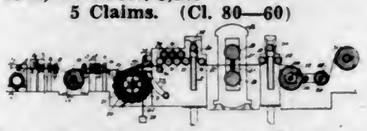
2,067,192

PROCESS FOR TENSIONED COLD ROLLING IN REVERSIBLE MILLS

Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Original application May 10, 1934, Serial No. 724,931. Divided and this application January 23, 1935, Serial No. 3,129

5 Claims. (Cl. 80—60)



1. A quasi-continuous process of rolling metal in strip form to eliminate end wastage, which comprises providing a strip of metal of definite as distinguished from indefinite length, fixing the ends thereof with respect to take up devices, rolling substantially said whole strip forwardly and backwardly through a mill until reduced to the desired gauge, severing a useful rolled portion of said strip forwardly of said mill, uniting to the unrolled portion of said strip behind said mill a succeeding strip of definite length, fixing the ends of the new supply thus formed with respect to the take up devices, and proceeding with the rolling operation as before, all without rethreading said mill.

2,067,193

METHOD OF DEWAXING HYDROCARBON OILS

Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 13, 1935, Serial No. 6,385

13 Claims. (Cl. 196—19)

12. The method of dewaxing petroleum stock which comprises selectively extracting oil from the stock by dissolving the oil content of the stock in a mixture comprising 1,1,2 trichlor ethane and a compound chosen from the class consisting of trichlor ethylene, dichlor ethylene, benzene and naphtha, and thereafter removing wax from the solution at a temperature sufficiently low to effect precipitation of wax.

13. The method of dewaxing petroleum stock which comprises selectively extracting oil from the stock by dissolving the oil content of the stock in a mixture comprising 1,1,1 trichlor ethane and a compound chosen from the class consisting of ethylene dichloride and a propylene dichloride and thereafter removing wax from the solution at a temperature sufficiently low to effect precipitation of wax.

2,067,194

LENS AND METHOD OF MAKING SAME

Fay D. Kinney, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application June 6, 1935, Serial No. 25,225

4 Claims. (Cl. 88—54)

1. A multifocal lens blank for producing a lens having a reading segment formed with a circular lower portion and a transverse upper portion joined adjacent its ends with portions meeting the ends of the circular portion, comprising a major portion of glass of one index of refraction with a spherical countersink recess therein and a minor portion secured in said recess, said minor portion comprising two pieces of glass of different indices of refraction having portions abutted edge to edge transversely of the blank, one of said transverse edges having a central transverse section, deflected sections intermediate the ends thereof extending at an angle to and to one side of said central section and terminal offset end sections spaced from the central transverse section, said deflected sections forming portions of the side contours of the finished segment



of the lens and being adapted, in the finished lens, to lie within the line of a circle generated by the intersection of the spherical surface of the countersink recess and a spherical surface formed on the segment side of the blank, said circular line being adapted to produce the lower circular portion of the segment of the finished lens with portions of the deflected sections meeting the ends of the circle and providing means for joining said ends with the ends of the central transverse portion to complete the contour of the segment, said terminal offset end sections located beyond said circle being adapted to disappear when the said spherical surface is generated on the segment side of the blank.

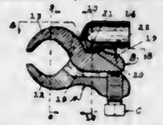
2,067,195

BATTERY CABLE TERMINAL

Roland W. Knapp, Wayzata, and Arthur D. Lund, Minneapolis, Minn., assignors of one-third to William C. Schroder, Minneapolis, Minn.

Application August 13, 1934, Serial No. 739,566

6 Claims. (Cl. 173—259)



1. A terminal device for connecting a cable to a battery post, comprising a pair of members disposed in a plane perpendicular to the axis of the post and having jaws at one end for gripping the post, a fulcrum tiltably connecting the members intermediate their ends, means at the ends of the members opposite from their jaws to actuate the members to exert a clamping pressure to the jaws, one of said members having freedom for lengthwise sliding movement and limited transverse rocking movement with respect to the fulcrum connection with the other member, and one of said jaws having upper and lower post engageable faces which respectively converge toward the post from the upper and lower extremities of the jaw, whereby one of said faces may conform to the adjacent vertical contour of the post under said limited transverse rocking movement and when said clamping pressure is applied.

2,067,196

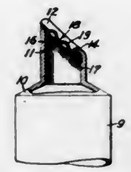
DISPENSING CONTAINER

Gaston Lateur, San Francisco, Calif.

Application March 23, 1935, Serial No. 12,637

3 Claims. (Cl. 221—60)

1. The combination with a flexible tube adapted to contain flowable material, of a spout for said tube having an aperture therein through which the material may be discharged by collapsible pressure applied to the tube, said spout having supporting means bordering said aperture, a flexible closure member overlying said aperture



and resting upon said supporting means, a flexible spring member overlying and resting upon said closure member, both said spring member and said closure member having offset nested portions formed at one end thereof, and integral means carried by the spout overlying and engaging the nested ends of the flexible members.

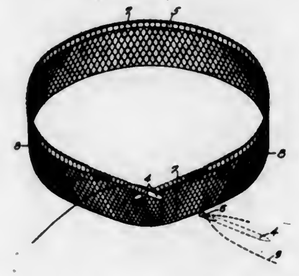
2,067,197

KNITTING NEEDLE

Winte P. Maiden, Piedmont, Calif.

Application March 11, 1935, Serial No. 10,501

1 Claim. (Cl. 66—117)



A device for forming a tubular knitted article comprising a pair of needles pointed at one end and upon which knitted stitches may be formed by manipulation of a thread about said pointed ends while the portion of each needle adjacent said end is moved over the end portion of the other needle, each of said needles having a transversely disposed aperture therein, and a flexible member joined with each needle at the other end thereof, each of said apertures being disposed a sufficient distance from the pointed end of said needle so as to be outside of the normal zone of movement of one needle over the surface of the other during the operation of the formation of said stitches, and portions of the side wall of each aperture nearest the point of the needle being disposed at a slight angle with the longitudinal axis of the needle and sloping from a point adjacent said axis outwardly toward the point of the needle to intersect the periphery of the needle a substantial distance from the axis of the aperture whereby, upon accidental engagement of the point of one needle in the aperture of the other needle, movement of said first needle longitudinally of the other toward the pointed end thereof will, by movement of said engaged pointed end along said sloping side wall of the aperture, raise and release said pointed end from the aperture.

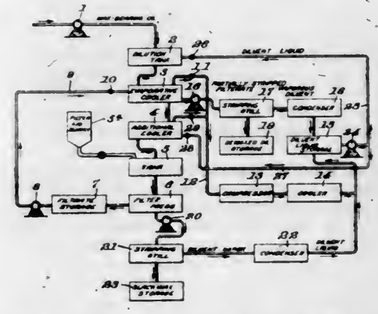
2,067,198

DEWAXING HYDROCARBON OIL

Robert E. Manley, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 25, 1931, Serial No. 553,084

4 Claims. (Cl. 196—19)



2. The process of dewaxing mineral lubricating oil comprising mixing wax-bearing oil with a diluent comprising propane, chilling the mixture to a temperature of the order of 0° F. and below to solidify the wax, introducing the cold dilute mixture while under superatmospheric pressure to pressure filtering means, forming therein a filter cake of solid wax, continuously removing from the filter means a stream of dewaxed filtrate, and imposing sufficient pressure upon said filtrate stream during removal from the filtering means to prevent substantial vaporization of the diluent from the oil during filtration.

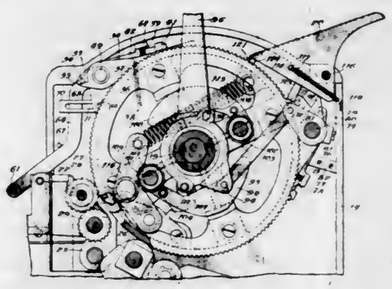
2,067,199

BLOCKOUT MECHANISM FOR DUPLICATING MACHINES

Alfred Marchey, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

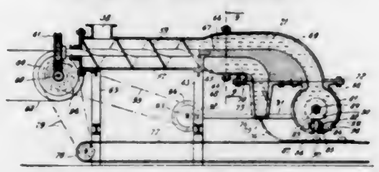
Application January 10, 1936, Serial No. 58,523

18 Claims. (Cl. 101—132)



1. In a duplicating machine, a rotatable drum, gripping means on said drum for securing the master sheet thereto, means for supplying copy sheets to said drum, a pressure roller for pressing copy sheets against the master sheet on said drum, moistening means for supplying a volatile solvent for the data on the master sheet and mechanism for supplying and attaching a blockout sheet over said master sheet comprising holding means operable to hold the master sheet in position upon the opening of said gripping means.

2,067,200
CONFECTIONERY MAKING APPARATUS
James E. Mayhew, Upper Darby, Pa.
Application May 26, 1931, Serial No. 540,071
Renewed April 9, 1936
3 Claims. (Cl. 107—27)



1. In a machine for making confectionery, a plurality of pressure chambers disposed side by side, a conveyor, a plurality of die heads arranged crosswise of said conveyor, a conduit connecting each of said pressure chambers with one of said die heads, and said die heads each supporting a plurality of dies, the dies on the respective heads being in alignment with one another so that as the material discharged by the dies of the first die head is carried along by the conveyor, the material discharged from the dies on the succeeding die heads is superposed thereon.

2,067,201
TOY SUBMARINE
Alexander J. Middler, Detroit, Mich.
Application October 26, 1933, Serial No. 695,303
12 Claims. (Cl. 46—94)

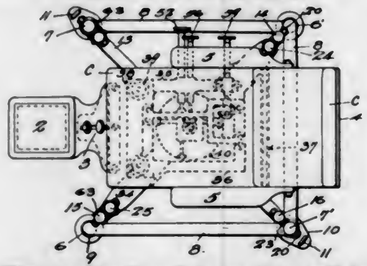


1. A toy submarine comprising a hull divided into a plurality of compartments, one of said compartments housing a motor and reduction gears, said motor compartment having apertures in the bottom thereof for inletting water thereto, a tube closed at its outer end extending from said motor compartment outwardly through the top thereof and having openings along the side thereof, said tube being adjustable inwardly and outwardly of said hull to regulate the rate of air escape affecting the time of cruising prior to diving, and a propeller for rotation by said motor.

2,067,202
TEXTILE OPERATION
William Pool and Ernest Leslie Greenwood, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 4, 1932, Serial No. 627,462. In Great Britain September 1, 1931
4 Claims. (Cl. 139—122)

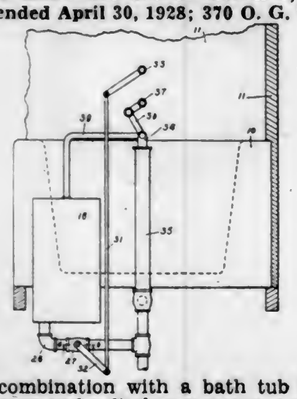
1. In weaving on looms of the type in which weft is supplied from a stationary supply, and is inserted in the shed in the form of cut lengths which at one stage of the weaving are in the warp without tension, the step of preventing the curling of the weft due to electrification phenomena by applying to the yarns during weaving an organic compound of the formula $R_1—X—R_2$ where R_1 and R_2 are hydroxy or amino groups, or acid derivatives thereof, and X is an aliphatic residue.

2,067,203
SELF-LEVELING CHAIR
Arthur B. Raymond, Montclair, N. J.
Application November 18, 1935, Serial No. 50,434
4 Claims. (Cl. 114—194)



1. The combination for use in a self-leveling chair with its frame and an adjustable block, of a horizontally disposed screw bar journaled in the frame and threaded through said block, and means for turning said screw bar, a perpendicular screw bar journaled in the block and means for turning said screw bar, a weight threaded on the perpendicular screw bar below the block, and means for preventing rotation of the weight.

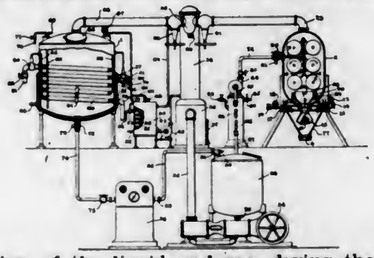
2,067,204
SANITARY VALVE SYSTEM
William A. Richardson, Bristol, Tenn.
Application January 29, 1936, Serial No. 61,304
7 Claims. (Cl. 4—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a bath tub having a filling means and a discharge means, a means for automatically operating the discharge means to empty the tub.

2,067,205
PROCESS OF DESICCATING LIQUIDS
Floyd W. Robison and Geoffrey D. Elmer, Detroit, Mich.
Application December 16, 1935, Serial No. 54,767
6 Claims. (Cl. 99—200)

3. The process of desiccating whole milk and cream and other fatty liquids deteriorating in temperatures in excess of 145° F. which consists in first heating the liquid to a temperature of 100° F. and subjecting the same to a sub-barometric pressure for causing ebullition of the liquid without cooking the same and withdrawing all free oxygen therefrom to create a condition of great avidity therein for a satisfying gas factor, satisfying such avidity by introducing and impregnating the liquid with an inert, non-oxidizing gas and thereby relieving the pressure thereon, chilling the liquid to thereby lock the gas therein, subjecting the gas laden liquid to a homogenizer operation to reduce and distribute the fat and non-fat solids, reheating the liquid to a temperature not exceeding 145° to cause ex-



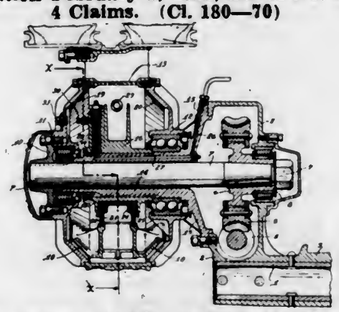
pansion of the liquid and gas, drying the material at a temperature not exceeding that to which it is preheated and while the material is still expanding, and finally subjecting the dried material to a sudden reduction in temperature sufficient to crystallize and immobilize the fat content thereof and at the same time lock non-oxidizing gas therein.

2,067,206
WELDING ELECTRODE
Albert M. Ross, New Britain, Conn.
Application May 2, 1935, Serial No. 19,343
17 Claims. (Cl. 219—8)



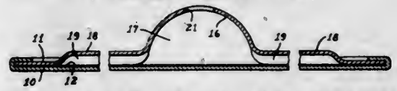
1. A welding electrode comprising a grooved metallic core, a perforated metallic sheath embracing said core and in electrical engagement therewith, and fluxing ingredients disposed between the core and the sheath and extending through the perforations of the sheath.

2,067,207
MOTOR VEHICLE BRAKING-WHEEL DRIVING STRUCTURE
Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan
Application February 2, 1932, Serial No. 590,412
4 Claims. (Cl. 180—70)



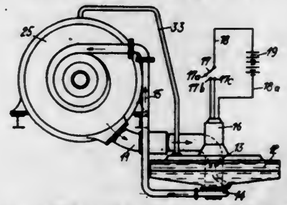
1. In motor vehicle structures, wherein a dropped dead axle forms the support for a vehicle driving wheel mounting with the dead axle connected relative to the chassis by spring suspension, wherein a housing is secured on such axle and carries the spring seat, wherein a live axle is supported at one end by said housing and carries gearing driven from a motive source of the vehicle, and wherein said housing includes an outboard wall carrying a hollow spindle through which the live axle extends, the combination with such assembly, a wheel hub assembly rotatably mounted on said spindle, said hub assembly forming a closure for a hydrostatically-operated brake mechanism located internally of the hub-assembly, means between the outer end of the live axle and said hub assembly for driving the latter, said hub assembly including inboard and outboard members fixedly held in spaced-apart relation by an annular tire seat element to complete the closure walls of a chamber of which said members form inner and outer walls, each of said members carrying annular braking surfaces, said hydrostatically-operated brake mechanism being carried by the spindle within said chamber and including radially movable brake shoes movable into co-operative relation with the braking surfaces by the hydrostatic pressure, said outboard wall and spindle being channelled to operatively connect the brake mechanism with a source of pressure supply.

2,067,208
REFRIGERATING APPARATUS
Sylvester M. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application May 28, 1934, Serial No. 727,942. Divided and this application June 5, 1935, Serial No. 25,096
7 Claims. (Cl. 62—126)



1. An evaporator for a refrigerating system comprising a fluid-tight double walled structure including a brass sheet member superimposed upon an embossed brass sheet member and secured thereto with a bonding material fused between the members by so applying heat uniformly and simultaneously over the entire exposed surfaces of the evaporator as to leave unchanged the original characteristics of said sheet members.

2,067,209
HYDRAULIC TRANSMISSION
Ernst Seibold, Heidenheim-on-the-Brenz, Germany, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany, a partnership composed of Walther Voith, Hermann Voith, and Hans Voith
Original application October 7, 1933, Serial No. 692,664. Divided and this application June 19, 1934, Serial No. 731,247. In Germany October 11, 1932
5 Claims. (Cl. 60—54)



1. In an hydraulic transmission which, by means of filling with or emptying of a working fluid, can be put into operation or put out of operation, respectively; a housing for the transmission, a pump for the working fluid, a motor for the pump, a reservoir for the working fluid the

highest level of which is below the lowest point of the working fluid in the transmission, said reservoir being separate from and independent of said transmission housing the pump being at a lower elevation than the level of the working fluid in the reservoir, supply and return pipes to and from the transmission and the reservoir, and a stationary pipe connecting the air space in the uppermost part of the transmission housing with the air space in contact with the working fluid, in the reservoir for equalizing the pressure between said air spaces, said stationary pipe providing air communication continuously between the uppermost part of the transmission and the reservoir.

2,067,210

ATTACHMENT FOR WRITING MACHINES

John Q. Sherman, Dayton, Ohio
Application April 29, 1932, Serial No. 608,231
48 Claims. (Cl. 197—126)



1. In a typewriting machine, a pair of spaced pin wheel feeding devices having disappearing pins about which paper is fed circumferentially, a stationary platen bar interposed between the wheels and substantially coincident with the peripheries thereof, and carbon strip feeding means feeding transfer strips transversely of the paper webs in registry with the platen bar.

2,067,211

PLATEN ROLL FOR WRITING MACHINES

John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman
Application August 29, 1933, Serial No. 687,303
36 Claims. (Cl. 197—133)



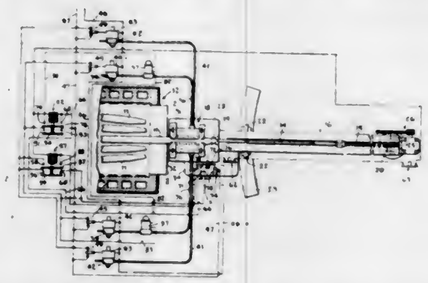
1. A platen roll for a writing machine including a pair of relatively adjustable concentric heads, and a platen roll section positioned between the heads and interchangeable with other platen roll sections of different lengths engageable between the heads in different positions of relative adjustment thereof to accommodate record material of different widths.

2,067,212

TORCH CONTROL APPARATUS

Donald L. Smith, Caldwell, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1935, Serial No. 33,959
18 Claims. (Cl. 205—9)

1. The combination of a retort having torches, one for heating each of the edge faces of skelp as it moves through the retort with continuous motion, conduits for supplying gas to both torches including separate conduits for oxygen and fuel gas, valve means in said conduits, and automatic



control means responsive to a flash-back in either torch for causing the valve means to shut off the supply of gas through at least one of the conduits to both torches.

2,067,213

EXPLOSIVE

Walter O. Snelling, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
No Drawing. Application June 17, 1935, Serial No. 27,130
6 Claims. (Cl. 52—2)

1. As a new composition of matter, a tough, elastic, extensible, detonatable solid consisting predominately of a mechanical mixture of a finely divided pulverulent initial detonating agent and a non-detonatable elastic material selected from the group of natural rubber, synthetic rubber and rubber surrogate.

2,067,214

METHOD OF COATING METAL

Robert R. Tanner, Highland Park, and John S. Thompson, Detroit, Mich., assignors, by mesne assignments, to The Patents Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 24, 1933, Serial No. 677,458
7 Claims. (Cl. 148—6)

2. The method which comprises producing on a metallic surface a phosphate-containing coating by means of a solution containing the NO_3 radical, rinsing the coated surface in a dilute aqueous solution of chromic acid and covering the rinsed surface with a siccative coat.

2,067,215

METHOD OF BONDING SICCATIVE COATS TO METAL

Robert R. Tanner, Highland Park, and John S. Thompson, Detroit, Mich., assignors, by mesne assignments, to The Patents Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 24, 1933, Serial No. 677,459
9 Claims. (Cl. 148—6.5)

1. The method which consists in forming on a surface of metal a chemical coat of the group consisting of coatings on metal of oxide of the metal coated, on iron, steel, zinc and magnesium, of substantially insoluble phosphates, on iron, steel, zinc, magnesium, tin, lead and copper, of a substantially insoluble salt of an acid in the group consisting of the dicarboxylic and hydroxy-dicarboxylic acids of the aliphatic series and carboxylic acids having but one carboxyl group and sulphonic acids of the aromatic series, and, on aluminum, of lithium aluminate and aluminum fluoride, rinsing the chemical coat with a dilute solution of a salt having as a base one of the metals aluminum, iron and chromium, and covering the rinsed chemical coat with a siccative coat.

2,067,216

METHOD OF COATING METAL

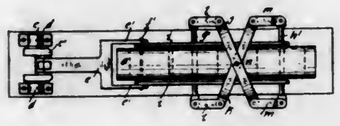
John S. Thompson, Detroit, and Herman J. Lodeesen, Berkley, Mich., assignors to The Patents Corporation, Detroit, Mich.
No Drawing. Application August 19, 1936, Serial No. 96,904
7 Claims. (Cl. 148—6)

1. The method which consists in forming on a surface of metal by means of a solution containing the NO_2 radical a chemical coat of the group consisting of coatings on metal of oxide of the metal coated, on iron, steel, zinc and magnesium, of substantially insoluble phosphates, on iron, steel, zinc, magnesium, tin, lead and copper, of a substantially insoluble salt of an acid in the group consisting of the dicarboxylic and hydroxy-dicarboxylic acids of the aliphatic series and carboxylic acids having but one carboxyl group and sulphonic acids of the aromatic series, and, on aluminum, lithium aluminate and aluminum fluoride, rinsing the chemical coat with a substantially pure dilute aqueous solution of an acid in the group consisting of chromic acid, phosphoric acid and oxalic acid and mixtures thereof, and covering the rinsed chemical coat with a siccative coat.

2,067,217

MULTIPLE PISTON ENGINE

Clinton David Town, Portland, Oreg.
Application December 13, 1934, Serial No. 757,261
9 Claims. (Cl. 123—51)



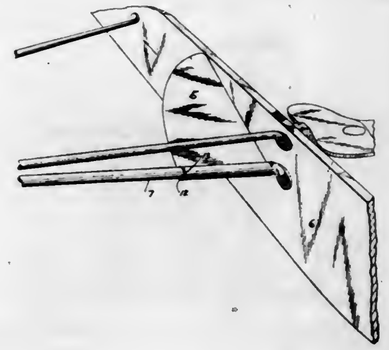
4. An internal combustion engine including a cylinder element defining a combustion chamber provided with two opposed pistons, a crank shaft and a connecting rod operatively connected to one of said pistons, the other piston being operatively connected with said first mentioned piston thru a lever pivotally mounted intermediate its ends, said cylinder being ported, a piston pin extending laterally from each piston thru the ported walls of the cylinder, and a link element pivotally joining the ends of each of said pins to the ends of said lever.

2,067,218

ATTACHMENT FOR A RACING SHELL

Charles S. Walsh, Annapolis, Md.
Application June 10, 1936, Serial No. 84,415
3 Claims. (Cl. 9—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a racing shell having riggers extending outwardly therefrom, deflector plates secured to the shell and arms of the riggers



and inclined downwardly from fore to aft for deflecting water downwardly.

2,067,219

TREATMENT OF FILAMENTS, FILMS, AND TEXTILE FABRICS

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 2, 1933, Serial No. 696,381
7 Claims. (Cl. 28—1)

1. Method of treating filaments, yarn, film, foil or textile fabric containing a derivative of cellulose comprising applying thereto an alkylolamine salt of a hydroxy carboxylic acid containing not more than six carbon atoms.

2,067,220

METHOD OF MAKING SIZED TEXTILE MATERIALS

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 25, 1934, Serial No. 722,360
6 Claims. (Cl. 91—68)

1. In a process for the production of artificial materials, the step of forming said materials from a solution comprising an organic derivative of cellulose and an alkylolamine salt of a resin acid.

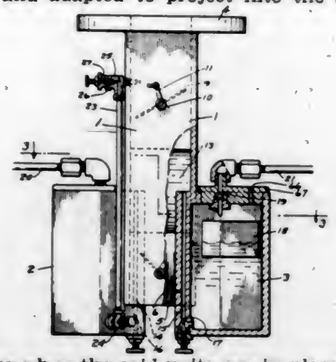
2,067,221

CARBURETOR

Martin Winter, New York, and Vito D'Amato, Corona, N. Y.; said D'Amato assignor to said Winter
Application June 28, 1934, Serial No. 732,752
5 Claims. (Cl. 261—18)

1. A carburetor comprising a central body having an air passage therethru, bosses on each side of said body having tapered dove-tailed slots therein, a fuel supply unit and a water supply unit, each provided with a tapered dove-tailed tongue adapted to be engaged by the dove-tailed slots on said body, so as to form a complete carburetor assembly, the fuel unit and the water unit each having means for injecting fuel and water, respectively, into said air passage, said

means comprising a jet carried by each of said units and adapted to project into the said air



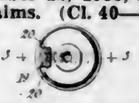
passage when the said units are in place on the said central body.

2,067,222
BUTTON OR THE LIKE
Jerome Ganierre Wolff, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 12, 1935, Serial No. 54,049
10 Claims. (Cl. 40—20)



1. A button or the like comprising a top and a hub, a design on its top and means on a part of the button disposed out of the surface contour thereof and bearing a definite relation to the design for registering the design with a button-attaching means.

2,067,223
BUTTON OR THE LIKE
Edmund D. Janes, Middlebury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 12, 1935, Serial No. 54,050
4 Claims. (Cl. 40—20)



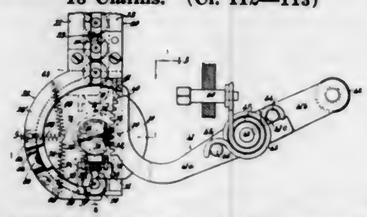
4. A button or the like, comprising a top shell and a body over which the shell is mounted having a flange underlying the top, said top shell having a design thereon and a tab integral with the top shell bearing a definite relation to the design thereon overlying the flange for registering the design with a button-attaching mechanism.

2,067,224
BUTTON OR THE LIKE
Royal Huckins, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 12, 1935, Serial No. 54,051
5 Claims. (Cl. 40—20)



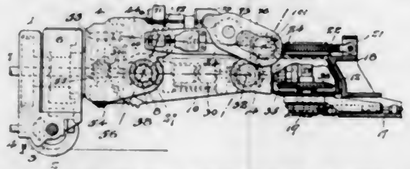
1. A button or the like, comprising a top and a body having a flange underlying the top, said top having a design thereon, said flange having an arcuate track thereon and means overlying said track and bearing a definite relation to the design for registering the design with a button-attaching mechanism.

2,067,225
BUTTON POSITIONING MEANS
Henry Miller, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 20, 1936, Serial No. 64,897
18 Claims. (Cl. 112—113)



1. A feeding mechanism for buttons or the like having means thereon capable of registering the buttons, comprising a track along which such buttons can move, a cut-off device adapted to periodically receive a button from the track, means for rotating the button about its axis in the cut-off device, and a locator having means independent of the means for rotating the button for engaging the registering means on the button during rotation thereof to restrain the button against further rotation.

2,067,226
COAL MINING MACHINE
Frank B. Yingling, Hamilton, Ohio, assignor to Cyrus J. Fitton, Hamilton, Ohio
Application July 12, 1935, Serial No. 31,107
7 Claims. (Cl. 262—28)



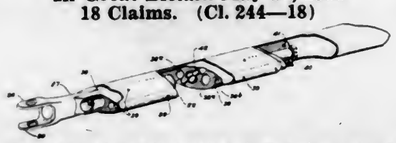
1. In a cutting unit for a mining machine, the combination with a rotatable adjustable head having a pair of alined pivotal supports thereon, a pair of stationary nuts, and each nut having a journal bearing in a pivotal support, of a pair of adjusting links, a longitudinally extending screw mounted on each link and threaded in a nut, and means for turning said screws.

2,067,227
METHOD OF PRODUCING CRYSTALLIZED ANHYDROUS SODIUM METASILICATE
Chester L. Baker, Berkeley, Calif., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 25, 1933, Serial No. 699,705
3 Claims. (Cl. 23—110)

1. The method of making anhydrous crystalline sodium metasilicate which comprises preparing a solution of sodium metasilicate containing upwards of approximately 50% of sodium metasilicate, agitating and heating the solution to a

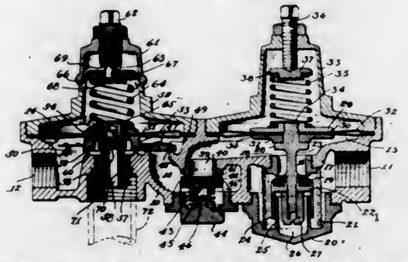
temperature upwards of 90° C. until crystals of anhydrous sodium metasilicate appear, and drying the mass by continuing the heat and adding a compatible alkali metal compound capable of absorbing excess water to form a solid.

2,067,228
ROTARY SUSTAINING WINGS FOR AIRCRAFT
James Allan Jamieson Bennett, Genista, Newton Mearns, Scotland, assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application May 22, 1934, Serial No. 727,012
In Great Britain May 24, 1933
18 Claims. (Cl. 244—18)



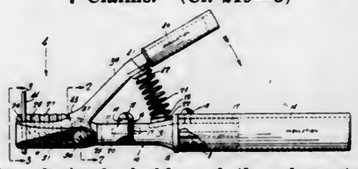
1. For an aircraft sustaining rotor, an elongated rotative wing having a main longitudinal strength member formed to an aerofoil shape, the full sectional contour of which is substantially that of the inner region of the wing and defines the full wing section in that region, and substantially only the nose half of the sectional contour of which coincides with the contour of the main or outer region of the wing and defines the leading edge thereof.

2,067,229
RELIEF VALVE
William T. Birch, Chicago, Ill.
Application March 4, 1935, Serial No. 9,313
5 Claims. (Cl. 137—53)



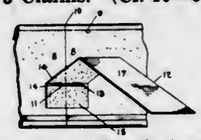
5. A relief valve for a hot water heating system comprising a casing formed of a body portion and an open-ended cap and having a diaphragm interposed between said body portion and said cap to define a water chamber, said body portion being provided with an inlet and having a bore formed through a side wall thereof to provide a relief port, a ported member removably entered in said relief port and providing a first valve seat, a first valve removably secured to said diaphragm and movable therewith to engage said first valve seat to close said relief port, a compression spring in said cap engaging said diaphragm to normally maintain said first valve in closing position when the system pressure is normal, means defining a second valve seat in said casing, a second valve secured to said diaphragm, said second valve being arranged normally out of engagement with said second valve seat and movable to engage said second valve seat and close said relief port upon said first valve becoming worn or being removed, said first valve being arranged to be removed through said relief port for renewal without disturbing the assembled relation of said diaphragm and spring with said casing while the system is under pressure and without depriving the system of relief valve protection.

2,067,230
ELECTRODE HOLDER
Frederick M. Bowers, Chester, Pa.
Application June 25, 1936, Serial No. 87,128
7 Claims. (Cl. 219—8)



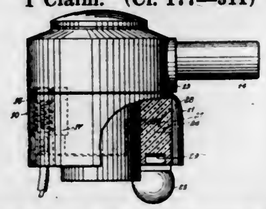
1. An electrode holder of the character described comprising a pair of jaws pivotally mounted with respect to each other, each of said jaws carrying a handle member with the handle members being relatively movable to provide for relative movement on the part of the jaws, said jaws having gripping faces which are disposed in substantially the same plane as the plane of movement of the handle members.

2,067,231
SWEAT BAND STICKER
Carlos N. Clark, South Orange, N. J.
Application March 7, 1936, Serial No. 67,584
3 Claims. (Cl. 40—9)



1. In combination with a hat sweat band having meeting ends, means for permanently fastening together said meeting ends comprising a sticker folded over the edge of the band at the meeting ends and secured thereto, one end of sticker having a portion folded under the body thereof to lie between the body and the band and fastening means passing through said folded under portion and through the ends of the band, said fastening means being concealed by said sticker.

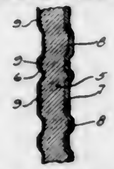
2,067,232
PILOT LAMP FOR MULTISIGNAL SWITCHES
Edward T. Condon, New York, N. Y.
Application July 11, 1933, Serial No. 679,857
1 Claim. (Cl. 177—311)



The combination with a switching member for a multi-signal system and comprising a stationary housing and an oscillatable operating element mounted thereon, the housing being provided with contact elements energized by said oscillatable operating element in accordance with its

movement to one side or the other of a neutral position, and a lamp socket provided in the stationary portion adjacent the periphery of the housing and opening downwardly with its longitudinal axis located substantially parallel to the axis of oscillation of the movable operating element; of a tell-tale lamp removably fitting the said socket to extend downwardly beyond the lower edge of the housing and connected to said contact elements, whereby when said lamp is illuminated the light therefrom is screened upwardly by the said stationary portion.

2,067,233
SHELF PAPER
Fred A. Conrad, Milwaukee, Wis., assignor to American Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 1, 1935, Serial No. 8,825
8 Claims. (Cl. 41—10)



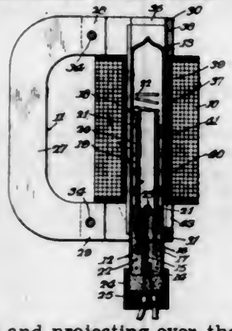
8. A shelf paper comprising the combination with a shelf covering portion applicable to the upper surface of a shelf, of a border portion comprising an extension of said shelf covering portion and adapted to hang vertically across the margin of such a shelf, said border portion being provided throughout its extent, and to the exclusion of said shelf covering portion, with an earthy pore-filler and being embossed, said pore-filler being adapted to stiffen and partially waterproof said border portion without interfering with the embossing thereof.

2,067,234
PIGMENTED GRANULAR POLYMERS
Wallace E. Gordon, Wilmington, and Winfield W. Heckert, Ardentown, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 10, 1936, Serial No. 68,042
10 Claims. (Cl. 260—2)

4. In the manufacture of uniformly pigmented granular polymerized methyl methacrylate by dispersing pigment in a syrup of polymerized methyl methacrylate dissolved in monomeric methyl methacrylate and polymerizing said syrup in a granulating bath, the step comprising adding to said syrup soya lecithin in an amount equal to about three times the weight of pigment contained therein.

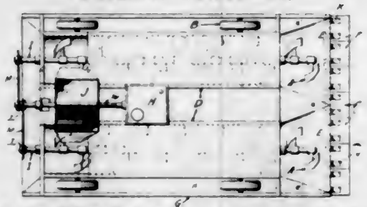
2,067,235
MERCURY SWITCH RELAY
Uno C. Hedin, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application August 17, 1935, Serial No. 36,704
11 Claims. (Cl. 200—112)

1. In a mercury switch relay, a relay coil having a core opening, a mercury switch mounted within the opening and comprising a switch envelope, a mercury fill, spaced electrodes in the envelope, and a magnetically responsive displacer for shifting the mercury level to change the condition of the electrical circuit through the electrodes, and an iron circuit associated with the coil and the switch having portions extending above and below the coil, top and bottom pole blocks of substantial cross section attached to



said portions and projecting over the core opening of the coil, and pole sleeves in the core opening attached to the pole blocks and separated from each other by an air gap located approximately at the center of the coil.

2,067,236
MIXING MACHINE
Donald McKnight Hepburn, Philadelphia, Pa., assignor to Charles J. Hepburn, Philadelphia, Pa.
Application January 22, 1934, Serial No. 707,730
8 Claims. (Cl. 94—43)

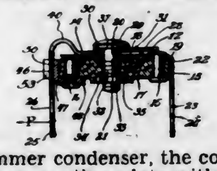


1. A machine for scooping up, mixing and redepositing road surfacing materials previously batched as a layer on a hard roadway surface, comprising in combination a mixing chamber, a scoop in front of said mixing chamber arranged to plow into said mass or layer of material as the machine travels forwardly, the weight and resistance of such material being utilized to cause the same to slide rearwardly over the scoop and to be delivered to the mixing chamber without the aid of movable conveyers or baskets, and means within said chamber operative to thoroughly mix the material delivered thereinto; to slowly move the material rearwardly through said mixing chamber; and to discharge said materials therefrom to the roadway, and means at the forward edge of said scoop for following the contour of the road, said means including a plurality of scraping blades attached to the nose of the scoop for movement with respect to said nose and independent movement with respect to each other.

2,067,237
MANUFACTURE OF AROMATIC ALDEHYDES
Leonard Eric Hinkel, Swansea, Glamorgan, Wales, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 8, 1933, Serial No. 655,860. In Great Britain February 15, 1932
8 Claims. (Cl. 260—136)

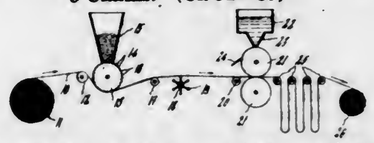
3. In a process for producing an aromatic aldehyde of the benzene series, the steps which comprise first forming a mixture of a benzenoid compound of the type normally capable of Friedel-Crafts synthesis, hydrogen cyanide, and aluminum chloride, the quantity of aluminum chloride being in excess of 0.5 moles for each mole of hydrogen cyanide employed, and then heating the mixture to reflux and passing in dry hydrogen chloride.

2,067,238
TRIMMER CONDENSER
Lawrence C. Johnson, Chicago, Ill.
Application February 26, 1936, Serial No. 65,751
4 Claims. (Cl. 175—41.5)



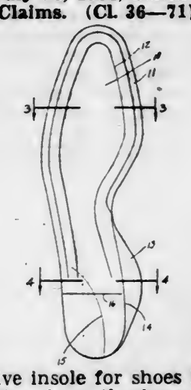
1. In a trimmer condenser, the combination of an insulating supporting plate with a fixed condenser plate comprising a sheet metal member having a flat body and a flat connector flange extending at right angles thereto, said insulating plate being of substantially rectangular shape in plan and elevation, and means for securing said flat body to one side of said insulating plate with said connector flange flatly engaging the edge of said plate, a movable condenser plate comprising a sheet metal member having a body portion similar in shape to the shape of the fixed condenser plate and connected to a supporting flange portion by a pair of spaced and resilient pintle members, said securing flange portion extending at right angles to the body portion of said movable condenser plate and having a connector formation at its end and a bracket having a securing flange engaging the bottom of said insulating plate and secured thereto by securing means and having an upwardly extending flange engaging the edge of said insulating plate, and means for securing said upwardly extending flange to the securing flange of said movable condenser plate.

2,067,239
MANUFACTURE OF SHOE STIFFENER MATERIAL
Winthrop M. Mayo, Leominster, and Stanley P. Lovell, Newton, Mass., assignors, by mesne assignments, to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application January 18, 1934, Serial No. 707,139
9 Claims. (Cl. 91—68)



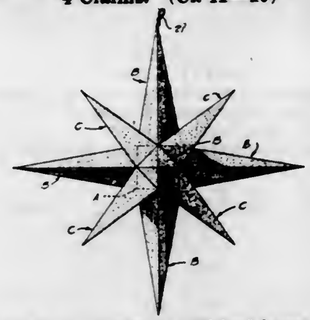
6. A method which comprises coating the smooth face of a textile fabric having pile fibers on only one face thereof so as to obstruct the openings between its yarns, introducing substantially dry, organic stiffening agent powder amenable to gelatinization by a volatile solvent into and between said pile fibers, treating said pile fibers with settable liquid binder to bond the powdered particles to said pile fibers as a porous mass upon the setting of said binder, the set binder being amenable to gelatinization by a volatile solvent medium that gelatinizes said stiffening agent powder, and causing said binder to set.

2,067,240
CORRECTIVE INSOLE FOR SHOES
George E. Musebeck, Danville, Ill., assignor to Musebeck Shoe Company, Danville, Ill., a corporation
Application July 13, 1934, Serial No. 734,882
3 Claims. (Cl. 36—71)



3. A corrective insole for shoes having an extension projecting from the inner edge thereof, the heel portion and a small adjacent part of the shank portion having their maximum thickness at the inner side and their minimum thickness at the outer side, the remainder of the shank portion being of a substantially uniform thickness substantially equal to the maximum thickness of the heel portion, and the extension having its maximum width adjacent the breast of the heel.

2,067,241
STAR CONSTRUCTION
Joseph G. Neidinger, Philadelphia, Pa.
Application September 3, 1935, Serial No. 38,939
4 Claims. (Cl. 41—10)

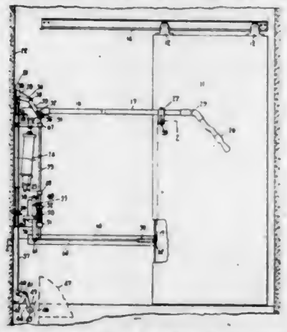


4. A star comprising a cubical base member, a rectangular pyramidal point structure affixed to each of the plane faces of the cubical member with the corners of the rectangular pyramidal point structure coinciding with the mid-points of the edges of the cubical base member, and the triangular pyramidal point structure positioned over each of the corners of the base member, the bottom corners of said triangular pyramidal point structure coinciding with the mid-points of the side edges of the cubical base member.

2,067,242
ELEVATOR DOOR MECHANISM
Clifford Norton, South Orange, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application August 1, 1935, Serial No. 34,183
15 Claims. (Cl. 187—57)

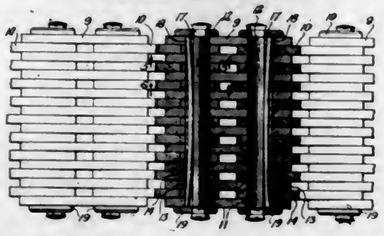
3. In an elevator installation; a hatchway door at a floor; a pair of toggle arms for operating

said door, said toggle arms being extended in a straight line when the door is closed to lock the door, said door having an aperture extending therethrough so as to be beneath one of said toggle arms when the door is closed; a removable key operable in said aperture for breaking the toggle from the corridor side; an arm pivotally mounted in said hatchway, said arm being provided with a notch; a lug on one of said toggle arms for entering said notch to lock the toggle arms against more than a certain amount of door opening movement; a cam carried by the ele-



vator car; a second pivoted arm connected to said first named arm; and a roller on said second pivoted arm adapted to engage said cam when the car is at said floor to prevent movement of said first named arm about its pivot into position to permit said lug to enter said notch upon the breaking of said toggle arms, thereby permitting the opening of said door upon the breaking of said toggle by said key, said lug engaging said first named arm when said toggle arms are in extended position to hold the second named arm in position where said roller clears said cam.

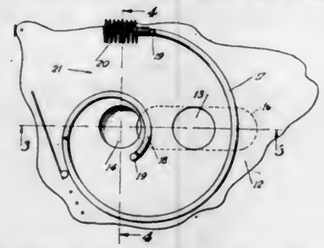
2,067,243
DRIVE CHAIN
David Barnes Perry, Ithaca, N. Y., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application January 17, 1935, Serial No. 2,151
5 Claims. (Cl. 74—251)



2. A drive chain comprising, in combination, a series of links, a substantially semi-circular pin joining pairs of said links, said pin having a convex bearing surface and a keying surface and a yieldable member located between said keying surface of said pin and the links for tensioning the joints.

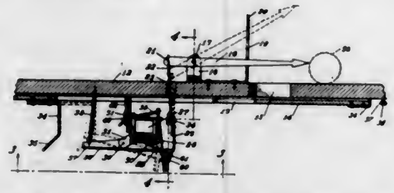
2,067,244
GAME APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application April 25, 1935, Serial No. 18,177
1 Claim. (Cl. 273—123)

In a game apparatus of the type having a ball playing surface and means for projecting balls thereon, a ball trap comprising a wire-like spiral having an inner and an outer convolution and supported in a plane parallel to said surface at a distance therefrom, the said inner and outer con-



volutions thereof being adapted to overlie a pair of spaced ball-receiving apertures in the said surface and having a portion of said spiral lying between the said ball apertures, the outermost end of said spiral being provided with a substantially co-extensive resilient buffer.

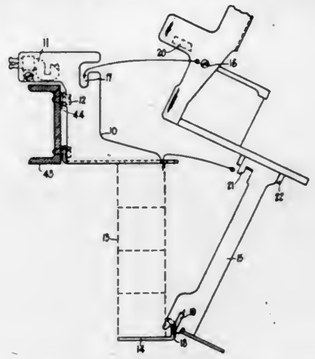
2,067,245
GAME APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application January 6, 1936, Serial No. 57,645
4 Claims. (Cl. 273—121)



1. In a game apparatus, a cabinet including a member providing a ball-playing surface provided with ball-receiving pockets, a ball-stopping member movably mounted upon said playing surface adjacent each of said pockets and each of said ball-stopping members having a portion normally projecting over and above the corresponding one of said pockets so as to prevent balls traveling over the said playing surface from entering the said pockets, means for moving the said ball-stopping members in a direction to move the said portions thereof away from said pockets into ineffective position so as to allow balls traveling over said playing surface to enter into the said pockets, and means for controlling the number of said ball-stopping members which are moved into ineffective position at one time by the action of said first-named or moving means.

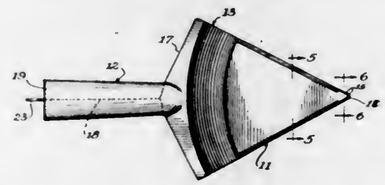
2,067,246
MOUNTING ARRANGEMENT FOR ELECTRICAL APPARATUS
Robert Norman Saxby, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application January 2, 1935, Serial No. 171
In Great Britain January 5, 1934
4 Claims. (Cl. 179—91)

1. In a mounting arrangement, an electrical switch having a shaft carrying wipers, a mounting member carrying a bank of vertically disposed contacts for engagement by the wipers one after another as the shaft is vertically moved, means comprising bayonet and slot combina-



tions for mounting the switch on the member, and means for rotating the wipers in a vertical plane independent of the shaft for disengaging the wipers from the bank before the switch is removed from the member.

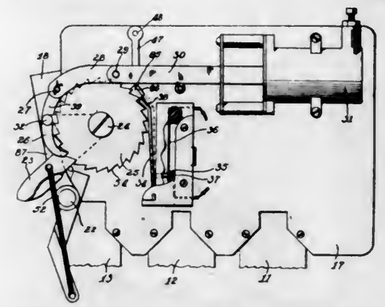
2,067,247
TOOL
Lambros K. Soteros, Chicago, Ill.
Application March 17, 1934, Serial No. 716,030
1 Claim. (Cl. 146—206)



In a tool of a single piece of metal, the combination with tool suspending means, of a hollow, tubular handle portion having an end closure member provided with a central aperture and with a radial slot communicating with said aperture to facilitate assembling said means in said aperture, a sector-shaped carrier portion substantially parallel to and offset from the major axis of said handle portion and having its sides outwardly beveled from its top surface to provide scraping and cutting edges and having a blunt tip portion forwardly of said scraping and cutting edges, said blunt tip portion having its sides outwardly beveled from its top and bottom surfaces to provide knife edges for cutting, and an inclined arcuate portion connecting said carrier and said handle portion.

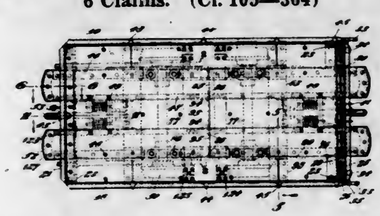
2,067,248
COIN CONTROL DEVICE
Paul H. Smythe, Jr., Chicago, Ill.
Application May 23, 1935, Serial No. 22,962
7 Claims. (Cl. 200—35)

1. A device of the class described comprising a switch structure including cooperating contact elements, an arm pivotally mounted for closing the contact elements of said switch structure, a ratchet wheel movable to engage said arm to cause said arm to close the said contact elements of said switch structure, a plurality of independently movably mounted slides, and mechanism



for operating said ratchet wheel including an actuating member adapted for engagement and actuation by any one of said slides.

2,067,249
MINE CAR
Walter H. Statler, Johnstown, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application January 6, 1932, Serial No. 585,015
6 Claims. (Cl. 105—364)

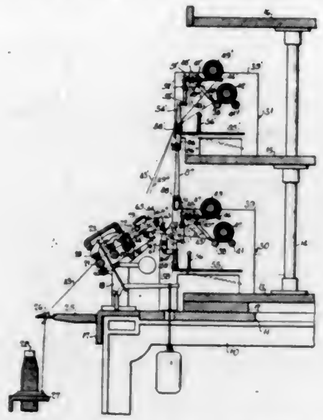


1. In a mine car structure, laterally spaced longitudinal channel sills arranged in pairs, the ends of the sills extending beyond the ends of the car body, car bumpers each comprising an upper and a lower horizontally disposed plate riveted to the extended ends of each pair of sills and extending outwardly therefrom, a bumper channel having its flanges riveted to the extensions of said plates and its web forming an edge closure between said plates, a wood filler block enclosed by the sills and said plates and embraced by the riveting of said plates to said bumper channel, and a reinforcing plate vertically abutting the inner face of the web of said bumper channel and the outer face of said wood filler block.

2,067,250
SUPPLY REPLENISHING MEANS FOR ROVING FRAMES AND THE LIKE
Andrew L. Taylor, Goldville, S. C., assignor of one-half to P. B. Mitchell, Goldville, S. C.
Application January 26, 1935, Serial No. 3,582
3 Claims. (Cl. 19—130)

1. In a roving frame, spinning frame and the like having drafting rolls, a pair of spaced rollers driven by the drafting rolls for supporting packages of rovings, other means for supporting a package of rovings, means for engaging the end of the rovings on said other package and feeding same to the drafting rolls, means operable upon exhaustion of the rovings on the first package for releasing the second package, means for guiding

the second package onto said spaced rollers, and means for moving the means engaging the end



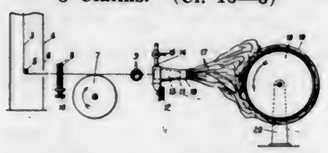
of the roving on said second package to feed its roving into the drafting rolls.

2,067,251

MANUFACTURE OF TEXTILE MATERIALS

William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application April 18, 1934, Serial No. 721,089
In Great Britain April 21, 1933
8 Claims. (Cl. 18—8)



6. Apparatus for the production of staple fibres from continuous filaments comprising a winding member to receive the continuous filaments, means for rotating said member and a blowing nozzle adapted to direct the filaments and to separate them from one another, said member being rotatable in such a direction, and said nozzle being so disposed with respect thereto that the separated filaments are received on a part of the surface of said member which moves in the reverse direction to that in which the filaments are directed by the nozzle, whereby the separated filaments are wound in a state of substantial but incomplete parallelism with one another.

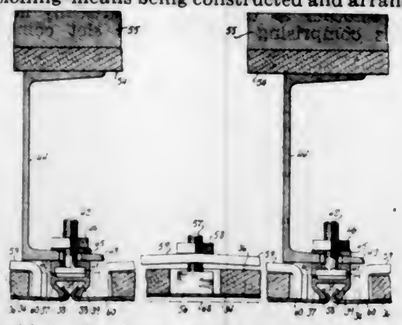
2,067,252

SHEET MATERIAL BUILDING CONSTRUCTION

John J. Whelan, Washington, D. C., assignor to Copper Houses Incorporated, New York, a corporation

Application July 31, 1935, Serial No. 33,951
20 Claims. (Cl. 189—34)

1. A house or like structure, including at least one panel of sheet-material; supporting-means for the said panel constructed and arranged to support said panel at spaced-apart points; and yielding tensioning-means associated with the said panel and exerting a yielding effort to bow the same intermediate the points at which it is supported by the said supporting-means, the said tensioning-means being constructed and arranged



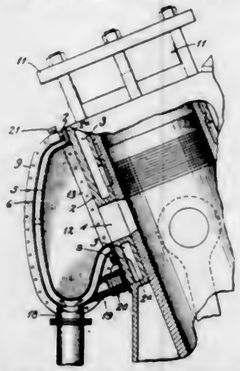
to yield to the force exerted by the said panel when the same contracts.

2,067,253

ENGINE EXHAUST SYSTEM

George J. Wohanka, St. Louis, Mo., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo., a corporation of Missouri

Application May 22, 1934, Serial No. 726,905
6 Claims. (Cl. 60—31)



1. In a V-type engine having mutually inclined cylinder blocks including rows of cylinders and providing common water-jackets therefor, the combination with one of said cylinder blocks of a double-walled, water-containing, trough-shaped exhaust header bolted with its open side against the inclined outer face of said block, the passage within said header being thereby cooled by water on both sides and being higher than wide and wider at bottom than at top and an offtake connected to the header.

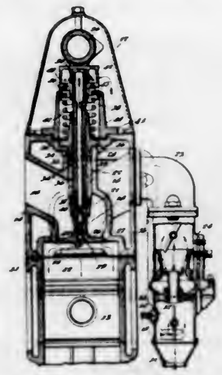
2,067,254

INTERNAL COMBUSTION ENGINE

Victor F. Zahodiakin, Cincinnati, Ohio

Application May 27, 1932, Serial No. 613,963
5 Claims. (Cl. 123—177)

1. In an internal combustion engine, a cylinder block and head structure, a piston in said cylinder, exhaust and inlet passageways connected to said cylinder, a carburetor for supplying gas to said cylinder through said inlet passageway, valves controlling the respective passageways, the exhaust control valve including a passageway extending from one end of the stem thereof for air intake to the other or closed head end thereof and returning to an outlet port intermediate the length of the stem, a suction pipe connecting said outlet port of the stem to said carburetor below the mixing chamber thereof, said suction pipe area plus the intake area to the carburetor being equal to the most constricted area in the gas



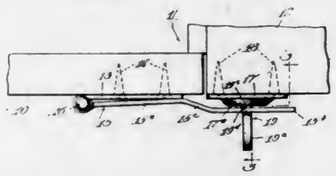
feed passageway to the cylinder, and a valve in the air intake to the carburetor mixing chamber adapted to automatically open and compensate for reduction in the area of the suction passageways in the valve for maintaining uniform velocity of air through the carburetor.

2,067,255

HASP-TYPE FASTENER

Louis A. Bittorf, Sterling, Ill., assignor to National Manufacturing Company, Sterling, Ill., a corporation of Illinois

Original application October 8, 1932, Serial No. 636,789. Divided and this application July 25, 1934, Serial No. 736,820
1 Claim. (Cl. 292—281)



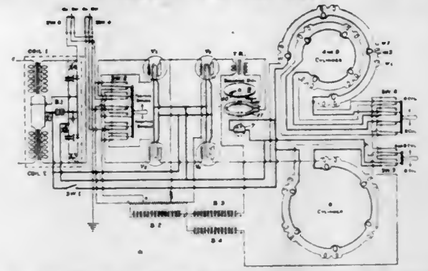
In a structure of the class described, a hasp fastener unit which includes a flat plate-like hinge member adapted to be secured to an object, a hasp member hingedly connected at one end to one end of said hinge member to fold over and upon the latter, and of such length that its outer end projects a substantial distance beyond the other end of said hinge member, said hasp member being formed of sheet metal and being so constructed that one portion extends forwardly and slightly downwardly from its hinge connection toward and into engagement at its outer end portion with the outer flat end portion of said hinge member, a second portion extending upwardly and forwardly away from said hinge member, and a third portion extending forwardly in horizontal and substantially parallel relation to said forwardly and slightly downwardly extending portion, said second portion being adapted to abut and flex upon said hinge member when the horizontal portion of said hasp member is engaged and urged toward the plane of said hinge member by a keeper.

2,067,256

IGNITION TESTING SYSTEM

Wallace P. Brush, San Francisco, Calif.

Application May 7, 1935, Serial No. 20,218
1 Claim. (Cl. 175—183)



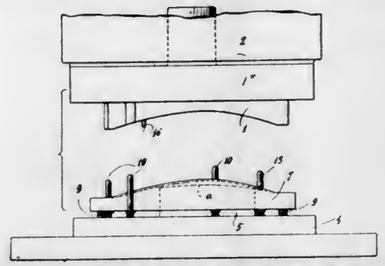
An ignition testing device comprising a three or more element vacuum tube, connections from the grid-cathode circuit of said tube adapted for connection to the contacts of the interruptor of an internal combustion motor ignition system, an illumination element, a rotating apertured element for viewing the illumination element, and means connected to the plate circuit of said vacuum tube for enabling surges in the said plate circuit to operate separately but synchronously the said respective illumination and rotating elements, whereby the voltage variations attendant upon the normal opening and closing of the interruptor contacts produce visible indication of electrical conditions in the ignition system without disturbing the functioning of that system.

2,067,257

EJECTING DIE IN THE MANUFACTURE OF SHANKS FOR SHOES

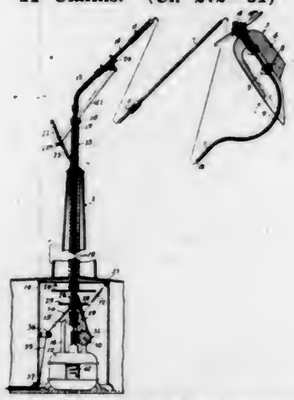
Morris Canter, New York, N. Y.

Application January 16, 1936, Serial No. 59,341
4 Claims. (Cl. 12—60)



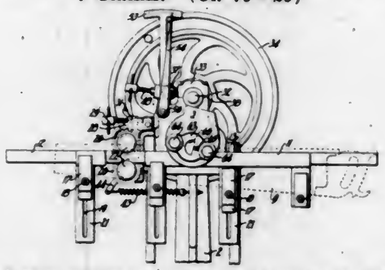
1. In an ejecting die for the manufacture of shanks for shoes, a lower die block and a lower fixed die head carried thereby and shaped to conform with the curvature of a lower metal arch member, a reciprocable die head also carried by the lower die block and having an aperture receiving the fixed die head and having a seat to receive a fibre shank surmounting the fixed die head, spring means normally holding the reciprocatory die head with its seat above the fixed die head whereby the latter is normally countersunk to provide a pocket for reception of a metallic arch piece having prongs projected upwardly, a yielding ejection pin held by the said lower die block and passing through an aperture in the reciprocatory die head within the area of its seat, and an upper reciprocatory die block provided with a die head shaped to cooperate with the lower reciprocatory die head and lower fixed die head.

2,067,258
TOY AEROPLANE
Frederick A. Christiansen, Los Angeles, Calif., assignor to William H. Hammer and Lane Rhodes, both of Santa Monica, Calif.
Application November 4, 1935, Serial No. 48,151
Renewed November 23, 1936
11 Claims. (Cl. 272—31)



4. A toy aeroplane apparatus comprising a toy plane and propeller, a motor, a flexible drive shaft from said motor to the propeller of the toy aeroplane for driving said propeller, a hollow tube means enclosing the flexible drive shaft including a plane supporting means rotatable about an axis, and manually controlled means for turning said tube means for varying the angle of flight of said plane.

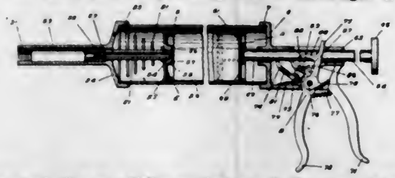
2,067,259
SAW CUTTER
Thomas J. Clark, San Francisco, Calif.
Application May 7, 1934, Serial No. 724,258
7 Claims. (Cl. 76—29)



1. A saw cutter comprising a carriage for holding the saw, a punch arranged on one side of the saw, a die associated with the punch and arranged on the opposite side of the saw, means for intermittently moving the carriage, means for adjusting the advance made by the carriage during a period of movement, a scale, a pointer associated with said scale and actuated by said carriage moving means for indicating said advance movement, and means for reciprocating the punch in time with said carriage movement.

2,067,260
LUBRICATING MEANS
John L. Creveling, near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application July 22, 1932 Serial No. 623,939
13 Claims. (Cl. 221—47.3)

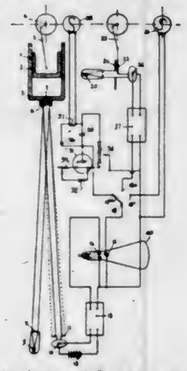
3. A lubricating device comprising, a primary compressor having a piston, a secondary compressor coupled to said primary compressor, said secondary compressor having an actuating piston operable under the influence of said primary compressor, and having the displacement of its actuating piston equal to that of said primary compressor piston, and means for advancing the piston of said primary compressor through a mechanical force differential and for quickly retracting said piston by direct pull, said means including a ratchet bar extending rearwardly of said primary piston, manually operable mechanism engageable with said ratchet bar and a control lever for disengaging said mechanism and said ratchet bar.



2,067,261
ORGANIC SULPHUR COMPOUND AND PROCESS OF MAKING THE SAME
John Delson, New York, N. Y., assignor to Flint & Co., Inc., a corporation of New York
No Drawing. Application January 19, 1931, Serial No. 509,891
9 Claims. (Cl. 260—138)

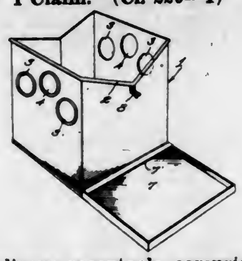
2. The compound, thioacrolein.

2,067,262
DEVICE FOR MEASURING PRESSURE VARIATIONS
Marcel Demontvignier, Suresnes, and André Labarthe, Paris, France
Application November 1, 1933, Serial No. 696,286
In France November 17, 1932
6 Claims. (Cl. 73—185)



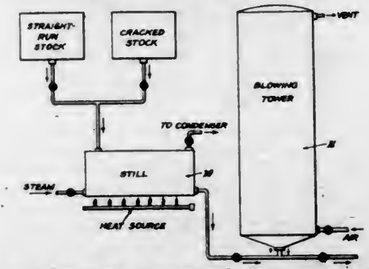
1. In connection with an engine including a chamber in which a fluid undergoes rapid variations of pressure, said chamber being provided with an aperture in one of its walls, a device for indicating the variations of said pressure which comprises, in combination, a diaphragm one side of which has a reflecting surface, a diaphragm carrier adapted to be fixed directly to a wall of said chamber so as to connect the other side of said diaphragm with the inside of said chamber through said aperture, means for projecting a light beam of predetermined shape onto said reflecting surface, a cathodic oscillograph, a screen for the cathodic spot of said oscillograph, deviating means in said oscillograph for displacing said cathodic spot parallelly to a axis of coordinates of said screen, photo-electric means, responsive to variations of the light flux per unit of area across the light beam reflected from said surface of the diaphragm, for controlling said deviating means, deviating means in said oscillograph for displacing the cathodic spot thereof parallelly to another axis of coordinates of said screen, and means for controlling the last mentioned deviating means.

2,067,263
ICE DELIVERING RECEPTACLE
August Dick, Pittsburgh, Pa.
Application June 10, 1935, Serial No. 25,930
1 Claim. (Cl. 220—1)



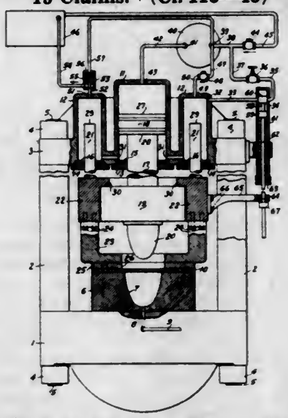
An ice delivery receptacle comprising a body of substantially rectangular shape and of a depth to substantially confine therein a block of ice and having one end open and disposed uppermost when carrying the block of ice, said body having opposed side walls thereof cutaway at the open end to expose opposite faces of the block of ice to permit application of tongs to the ice for removing the latter from the body and the other side walls of the body each having groups of openings with the openings of each group arranged to permit the ice tongs to extend through the body for gripping the block of ice with the tongs disposed either vertically for carrying the ice and body in a suspended position or disposed horizontally in either direction for steadying the body when being carried on a shoulder of a person.

2,067,264
PROCESS OF MAKING BITUMINOUS MATERIALS
Alfred R. Ebberts, New York, N. Y., assignor to Colprovia Roads, Inc., New York, N. Y., a corporation of New York
Original application September 19, 1930, Serial No. 483,126. Divided and this application April 14, 1932, Serial No. 605,359
11 Claims. (Cl. 196—74)



8. In a process of making a bituminous binder for aggregate wherein a high melting point bitumen is prepared in powdered form and is amalgamated with a flux oil by contacting said powdered bitumen with said flux oil, the steps comprising mixing with substantially uncracked straight run residue from a mixed base crude a substantial proportion of a hydrcarbon selected from the group consisting of cracking still residue and naphthene base crude residue, forming a distillation residue of the mixture of straight run residue and added hydrocarbon having a melting point above about 120° F., blowing the mixture to a melting point of from about 240° F. to about 270° F., and powdering the blown product, thereby producing a powdered blown bituminous product adapted to be contacted with a flux oil to form an amalgamated binder having a melting point between the melting points of said high melting point bitumen and said flux oil.

2,067,265
HYDRAULIC DOUBLE-ACTING METAL-DRAWING PRESS
Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application July 19, 1934, Serial No. 736,062
15 Claims. (Cl. 113—45)

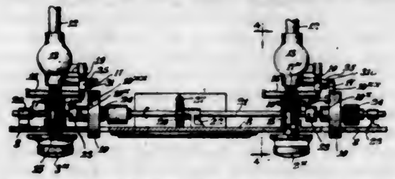


1. In combination in a hydaulic press, a pump circuit for providing pressure fluid, a pressing cylinder, a pressing plunger therein, a clamping cylinder, a clamping plunger therein, and means providing inter-flow of pressure fluid between said clamping plunger and one side of said pressing plunger, said pressing and clamping cylinders being so connected and arranged that the fluid discharged from the pressing cylinder during the working stroke flows into the clamping cylinder and actuates the clamping plunger.

2,067,266
TIME AUTOMATIC SHUT-OFF FOR GAS RANGES AND THE LIKE
Harry Gikow, Woodhaven, N. Y.
Application April 2, 1935, Serial No. 14,250
6 Claims. (Cl. 161—9)

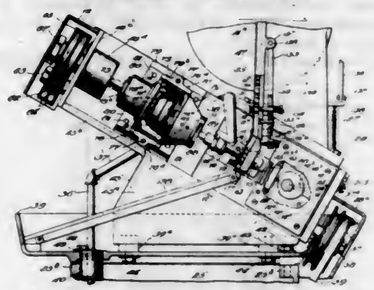
1. Automatic gas shut-off mechanism for operating a gas valve embodying a valve shaft, comprising a manual turning member on said shaft, a control ratchet carried by said turning member, latching means engaging said ratchet, a spring adapted to hold the shaft in valve closed position, the turning member being movable on said valve shaft longitudinally thereof to release the control ratchet from said latching means, a timing dial

wheel carrying a release finger adapted to engage and release said latching means, a shaft upon which the timing dial wheel is mounted, means



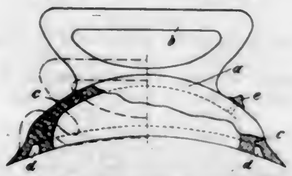
for rotating the shaft, and means for clutching the dial wheel to the shaft and for permitting rotation of the wheel relatively to the shaft.

2,067,267
NUT TAPPING MACHINE
Herman Goldberg, Chicago, Ill.
Application May 29, 1933, Serial No. 673,383
18 Claims. (Cl. 10—139)



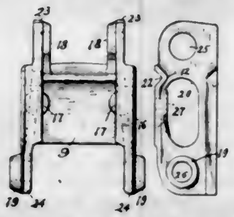
1. The combination in a nut tapping machine, of a rotatable tap, a chuck slidably mounted for movement longitudinally of said tap and having an upwardly extending channel to receive nuts, locking means carried by said chuck for holding a nut in said channel in alignment with said tap, means for moving said chuck longitudinally of said tap and then withdrawing said chuck, means actuated in the retracted position of said chuck for releasing said nut from said locking means, and stationary means mounted adjacent said chuck for retaining said released nut in said channel until said chuck reaches a predetermined position by relative movement with respect to said stationary means.

2,067,268
DEVICE FOR PROMOTING RESPIRATION
Hans Hans, Wiesbaden, Germany
Application March 20, 1935, Serial No. 12,028
In Germany March 24, 1934
3 Claims. (Cl. 128—29)



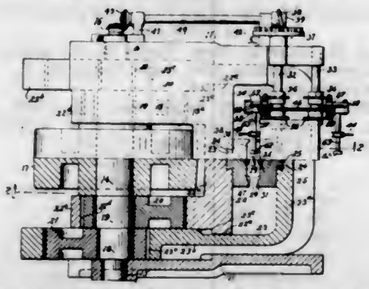
1. A device for promoting respiration by the artificial expansion of the trunk or chest, comprising in combination a suction bell of soft rubber constructed in elongated cup-shape with a brim curved to conform to the curvature of the body, a handle on the outer side of said bell for pressing said bell against the body and compressing the same to cause it to automatically adhere to the body by suction, and an outwardly opening valve directly communicating with the atmosphere arranged in the wall of said bell and adapted to allow the escapement of air from the interior of said bell during the compression thereof by means of said handle and to close automatically when pressure is no longer exerted on said handles.

2,067,269
METHOD OF MAKING TRACTOR SHOES AND SIMILAR ARTICLES
Howard F. Johnson, Cleveland, and George H. Stegkemper, Parma, Ohio, assignors to The Champion Machine and Forging Company, Cleveland, Ohio, a corporation of Ohio
Application June 1, 1931, Serial No. 541,154
3 Claims. (Cl. 29—148.3)



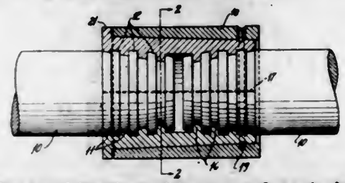
1. A method of making channel-shaped forgings, which comprises forging a blank with a central crowned portion and a pair of side members extending outwardly therefrom, said side members having indentations therein for centering the blank upon a die used in a succeeding step, trimming the blank, cutting out portions of the sides including said indentations, and bending the crowned portion thereof into flat form.

2,067,270
AUTOMATIC FORGING MACHINE
Howard F. Johnson, Cleveland, Ohio, assignor to The Champion Machine and Forging Company, Cleveland, Ohio, a corporation of Ohio
Application September 22, 1931, Serial No. 564,319
9 Claims. (Cl. 78—98)



1. In a forging machine, a pair of rams adapted to carry dies and arranged for reciprocation toward and from each other, means for reciprocating said rams, and means operatively connected with said first named means for moving and rotating a series of work blanks between said rams, said last named means including rollers adapted to engage the work blanks adjacent their opposite ends, and means for automatically adjusting the positions of said rollers as the length of said blanks changes during the rolling thereof.

2,067,271
COUPLING FOR SUCKER RODS AND THE LIKE
Howard F. Johnson, Cleveland, and John F. Connelly, Cleveland Heights, Ohio, assignors to The Drillers Supply & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 9, 1934, Serial No. 724,748
2 Claims. (Cl. 287—111)



1. The combination of two members to be coupled and a coupling therefor, the adjacent ends of the members being provided with alternately arranged annular grooves and flanges, the flanges adjacent the ends of the members being of less diameter than the members while the remaining flanges are substantially of the same diameter as the members, the grooves being progressively deeper and the bases of the grooves being on a taper extending from near the outer end of the coupling inwardly toward the inner ends of the members and the coupling comprising a sleeve-like member fitted onto the grooved and flanged ends of the members to be coupled and provided on the interior with alternately arranged flanges and grooves, the inner surfaces of the flanges on the sleeve-like member forming tapered surfaces conforming to the taper of the bases of the grooves of the members to be connected.

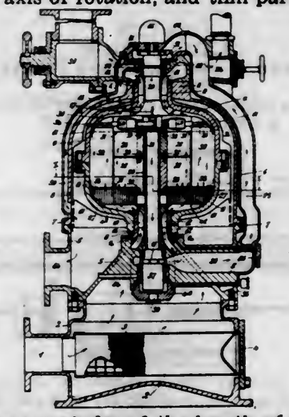
2,067,272
MOUNTING FOR EYEGLASSES AND SPECTACLES
Joseph F. Keller, New York, N. Y.
Application May 10, 1935, Serial No. 20,726
2 Claims. (Cl. 88—47)



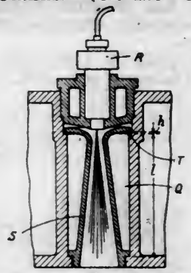
1. A mounting for eyeglasses and spectacles comprising a frame member formed with opposed ears of springy material, the ears being adapted to receive a member of the structure between them, a screw passing through said member and having a tapered head, a tapered aperture formed in one of the ears and of less diameter than that of the tapered head of the screw, the walls of said aperture having a smooth surface merging with a split section of the ear, the second ear being formed with a threaded aperture to receive the threaded section of the screw, whereby rotation of the screw when in position will exert a constantly maintained and progressively increasing spring-yielding action upon opposite metallic areas on the first-named ear to exert a clamping action upon the head of the screw.

2,067,273
CENTRIFUGAL SEPARATOR
Joseph Russell Knowles and Benjamin Charles Carter, Strand, London, England
Application November 1, 1932, Serial No. 640,580
In Great Britain December 18, 1931
7 Claims. (Cl. 233—21)

1. A centrifugal separator comprising a rotating drum having an inlet at one end and outlets at the other end, means dividing the cross-section of said drum over a part of its length adjacent the inlet into tubular channels parallel with the axis of rotation, and thin partitions dividing the remainder of the length of said drum into narrow channels parallel with the axis of the drum extending from the middle of drum to its periphery.



2,067,274
INTERNAL-COMBUSTION ENGINE
Prosper L'Orange, Feuerbach-Stuttgart, Germany
Application June 15, 1934, Serial No. 730,691
In Germany June 17, 1933
5 Claims. (Cl. 123—33)



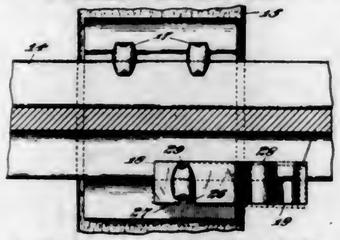
1. In an internal combustion engine the combination of an engine cylinder, a cylinder head formed with a recess defining an auxiliary combustion chamber, a shell member loosely secured within said recess and dividing said combustion chamber into a pre-combustion chamber and an additional clearance space communicating by a restricted passage formed by a clearance provided between the walls of the shell member and the walls of the recess, the shell member being designed and constructed to operate, by thermal expansion and contraction, to regulate and close said restricted passage to increase the compression pressure in said pre-combustion chamber when the engine is cold at starting and reduce the compression pressure in said pre-combustion chamber when the engine is operating at normal running temperature.

2,067,275
PURIFICATION AND REFINEMENT OF MAGNESIUM AND MAGNESIUM ALLOYS
Alexander Luschenowsky, Berlin, Germany
No Drawing. Application October 16, 1935, Serial No. 45,311. In Germany July 7, 1933
6 Claims. (Cl. 75—67)

1. A process for the purification and refinement

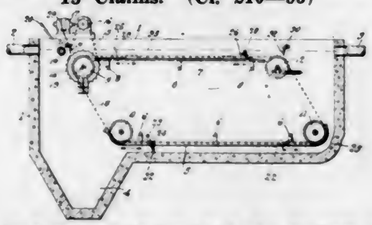
of magnesium and magnesium alloys consisting in treating the said magnesium and magnesium alloys in the molten state with hydrogen peroxide (H_2O_2).

2,067,276
RAIL ANCHOR
George Loop Moore and James Robert Steele, Owego, N. Y.
Application September 21, 1933, Serial No. 690,354
4 Claims. (Cl. 238—315)



1. In a railway track structure a tie, a rail mounted on said tie, a spike for said rail mounted in said tie intermediate its edges, a rail anchor mounted entirely to one side of the rail comprising a resilient rail engaging end portion engaging one base flange of the rail only at one side of said tie and an end portion having spike engaging means terminating adjacent said spike, said spike engaging means having a transverse slot whereby the anchor may be assembled with the rail without removing the spike from the tie.

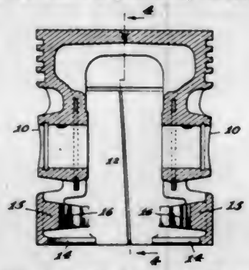
2,067,277
SCUM COLLECTOR
Fred E. Mlick, Los Angeles, Calif., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application August 19, 1935, Serial No. 36,875
15 Claims. (Cl. 210—55)



2. In a sedimentation tank, an endless chain, a track near the top of the tank near the liquid level, a track near the bottom above the floor, turn members near the ends of said tracks an endless chain traveling about said turn members and along said track, a conveyor flight pivoted on said chain, adjacent the tank floor, means for driving the chain alternately in forward and reverse directions of travel and gravitally operative means including a pivoted counterweight rigidly connected to the flight and means for displacing the center of gravity of the counterweight from one side to the other side of its pivot for causing the flight to assume a conveying position as the chain travels in one direction and to assume a non-conveying position as the chain travels in the opposite direction.

2,067,278
PISTON
Adolph L. Nelson, Detroit, Mich.
Application May 28, 1935, Serial No. 23,808
11 Claims. (Cl. 309—10)

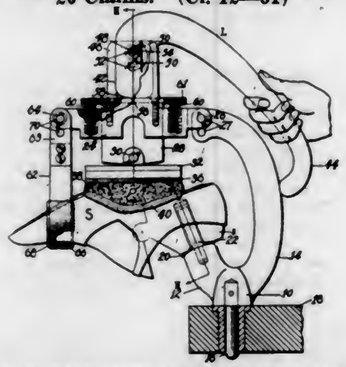
1. A piston comprising a head, a skirt connected to the head, a balancing rib extending inwardly from the wall of the skirt, the balancing rib being formed with at least one slot extending toward the outer wall of the piston and dividing the rib into a plurality of separate portions the said rib furnishing excess material and being designed to be cut away to balance the piston with others of a set without substantially altering the strength or stiffness of the skirt.



2,067,279
EXTRACTION OF VITAMINIFEROUS OILS
Ferdinand W. Nitardy and William S. Jones, Brooklyn, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1934, Serial No. 733,324
6 Claims. (Cl. 87—6)

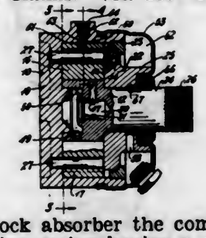
1. The method of obtaining the vitaminiferous oil contained in the liver of the halibut and kindred fishes, the protein of which liver has been coagulated, that comprises extracting such liver with a solvent selected from the group consisting of ethylene dichloride, trichlorethylene, and dichlorethylether, after adjusting the weight ratio of water to "dry" liver in the extraction mass to between 2 and 4.

2,067,280
PRESSURE DEVICE
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 23, 1935, Serial No. 12,648
20 Claims. (Cl. 12—51)



1. In a shoe-pressing device, a carrier arranged to support a lasted shoe, a slide movable upon the carrier and provided with a shoe-engaging portion, an actuating lever having a fulcrum mounted upon the carrier and movable by the operator to press the engaging portion of the slide against the shoe, and a flexible strap extending from the carrier and forming a loop through which the toe of the lasted shoe may be thrust.

2,067,281
SHOCK ABSORBING MECHANISM
Joseph E. Padgett, Toledo, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 16, 1934, Serial No. 711,566
5 Claims. (Cl. 188—89)



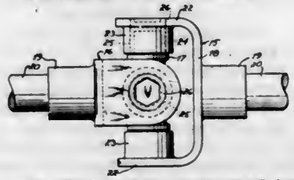
1. In a shock absorber the combination of a fluid-containing casing having a passage therein, means for causing a flow of fluid through said passage alternately in opposite directions, and control means for regulating the flow through said passage, said control means consisting only of a pair of cooperating plate members, one plate member having a restricted opening therethrough and the second plate member having a flap portion movable relative to said one plate member, said flap portion having a restricted opening therethrough of smaller area than the first mentioned restricted opening and which communicates with said first mentioned restricted opening when the flap portion is seated against said one plate member.

2,067,282
METHOD OF MAKING JOINT MEMBERS
Joseph E. Padgett, Toledo, Ohio
Application August 1, 1934, Serial No. 737,955
1 Claim. (Cl. 29—152)



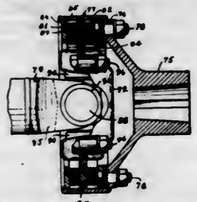
The method of making splined joint members which comprises shaping sheet metal into elongated transversely curved parts, drawing an intermediate longitudinal portion of each part substantially radially to form full splines thereon and drawing longitudinal edge portions substantially radially to form partial splines, arranging said parts in complemental relation, and with the partial splines in meeting arrangement, to constitute a tubular joint member, and then connecting said parts by welding.

2,067,283
JOINT MEMBER AND METHOD OF MAKING SAME
Joseph E. Padgett, Toledo, Ohio
Original application August 1, 1934, Serial No. 737,955. Divided and this application May 4, 1935, Serial No. 19,870
3 Claims. (Cl. 29—148)



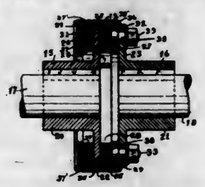
1. The method of making universal joint yokes which comprises cutting a yoke blank from sheet metal, drawing portions of the blank transversely of the plane thereof to form an intermediate attaching part extending in one direction from the plane of the blank and hollow bearing supports on opposite sides of the attaching part and extending in the opposite direction from the plane of the blank, and bending outer portions of the blank inwardly with respect to the attaching part to bring said bearing supports into substantial alignment with each other.

2,067,284
FLEXIBLE JOINT
John W. B. Pearce, Toledo, Ohio
Application November 15, 1934, Serial No. 753,170
3 Claims. (Cl. 64—11)



1. In combination, a joint member having a part provided with an annular recess, a disk having the outer portion thereof extending into said recess, a second joint member comprising a universal joint structure connected with said disk and provided with trunnions having their axes lying substantially in the plane of said disk, and bodies of rubber in said recess on opposite sides of said outer disk portion, said rubber being connected with said disk and walls of the recess by being vulcanized thereto.

2,067,285
FLEXIBLE JOINT FOR POWER SHAFTS
John W. B. Pearce, Toledo, Ohio
Application November 15, 1934, Serial No. 753,171
9 Claims. (Cl. 64—27)

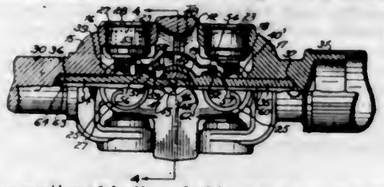


1. In a rotary shaft joint, the combination of a pair of joint members one having an annular part provided with a recess at the inside thereof and the other having a flange extending outwardly into said recess, and a body of rubber in said recess having connection with said annular part and said flange for a transfer of torque therebetween with limited relative movement, said annular part also having a groove therein in which a portion of said flange operates to confine said relative movement to a given path.

2,067,286
DOUBLE UNIVERSAL JOINT
John W. B. Pearce, Toledo, Ohio
Application May 4, 1935, Serial No. 19,857
16 Claims. (Cl. 64—21)

1. In a joint of the character described the combination of a pair of connected universal joints, centering means for said joints comprising

cooperating members one having a socket and the other having a stem extending into the socket,



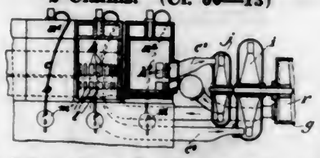
and a sectional ball rockably seated in the socket and slidable on said stem.

2,067,287
DRIVE SHAFT ARRANGEMENT
John W. B. Pearce, Toledo, Ohio
Application June 26, 1935, Serial No. 28,505
7 Claims. (Cl. 180—85)



1. In combination a torque tube, a propeller shaft extending within said torque tube, flexible couplings at opposite ends of said shaft for connection respectively with shaft members of the transmission and driving axle of a motor vehicle, and a self-aligning bearing mounted on the torque tube and engaging the propeller shaft adjacent one of said flexible couplings, said bearing permitting rocking of said tube relative to said shaft upon bowing of the tube.

2,067,288
INTERNAL COMBUSTION ENGINE
Wilhelm Riehm, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany
Application February 1, 1932, Serial No. 590,111
In Germany February 9, 1931
2 Claims. (Cl. 60—13)



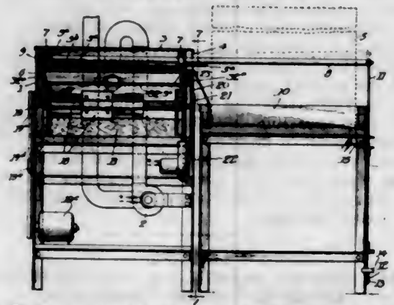
1. An internal combustion engine comprising a main internal combustion engine cylinder and an auxiliary internal combustion engine cylinder, a pump for supplying scavenging air to said cylinders, turbine driving means for said pump operated by the exhaust gases of said cylinders, means for conveying the exhaust gases from the cylinders to the turbine driving means, said conveying means incorporating exhaust slots in the auxiliary cylinder positioned to open prior to the opening time of the exhaust slots in the main cylinder so as to introduce exhaust gases of greater driving energy to the turbine driving means from the auxiliary cylinder than from the main cylinder.

2,067,289
APPARATUS FOR MULTIPLYING RECORDS
Wilhelm Ritzerfeld, Berlin, Germany
Application January 5, 1934, Serial No. 705,381
In Germany September 29, 1932
3 Claims. (Cl. 101—132)

1. An apparatus for multiplying records comprising a printing cylinder, a pad on said cylinder, means for moistening said pad, an impression roller adapted to cooperate with said cylinder and means for moistening the sheets to be printed upon.



2,067,290
ETCHING MACHINE
Robert R. Robertson, Glencoe, Ill.
Application February 23, 1935, Serial No. 7,689
11 Claims. (Cl. 41—9)



7. In an etching machine, an etching chamber, trackage extending from said etching chamber to a place of inspection, a carriage for objects to be etched traveling on said trackage from the etching chamber to said place of inspection, said trackage being movable vertically to clear the carriage from the structure of the etching chamber, and a pedal device imparting vertical movement to said trackage; said trackage comprising a jib pivoted near the etching chamber and presenting a free end near the inspection position; and said pedal having link connections with said free end.

8. In an etching machine having an etching chamber, a carriage for objects to be etched, said carriage being movable into and out of said chamber, and a surface clearing device comprising means for projecting air under pressure into liquid-displacing relation to the sprayed surface of the object as it emerges from said chamber.

2,067,291
POLYAMINES AND PROCESS FOR MAKING THE SAME
Paul L. Salzberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 13, 1933, Serial No. 702,201
21 Claims. (Cl. 260—127)

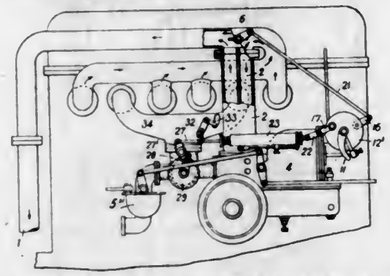
3. The process which comprises hydrogenating an aryl glycine nitrile in the presence of an excess of hydrogen and a nickel catalyst at a temperature of 50° to 200° C. and a pressure in excess of 500 pounds per square inch.

14. Di-(beta-phenylaminoethyl) amine.

15. Tri-(beta-phenylaminoethyl) amine.

16. The process of producing a diamine of the formula $R—NH—CH_2—CH_2—NH_2$, wherein R is a hydrocarbon group, which comprises hydrogenating the corresponding amino aceto nitrile under superatmospheric conditions of temperature and pressure in the presence of a hydrogenation catalyst.

2,067,292
INTERNAL COMBUSTION ENGINE
Miroslav Sitař, Prague, Czechoslovakia
Application January 9, 1935, Serial No. 1,030
In Czechoslovakia December 6, 1934
9 Claims. (Cl. 123—127)



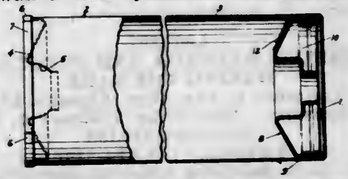
1. An apparatus for working an internal combustion engine with heavy fuels, comprising a heating chamber, two radiator bodies in said heating chamber and arranged to have the exhaust gas pass closely by them, said radiator bodies being adapted to abstract heat from the exhaust gas and to give it up to their interior, one of said radiator bodies being adapted to heat the fuel passing therethrough, being arranged in an hermetically closed space divided off from the rest of said heating chamber and consisting of a helically twisted tube and a corrugated tube into which said helically twisted tube merges, and the other of said radiator bodies being adapted to gasify the fuel passing therethrough, ball valves in said corrugated tube, a branch pipe connecting said heating chamber with the exhaust pipe of the engine, a regulating valve arranged in front of the inlet to said branch pipe, a fuel valve adapted to cause a light or heavy fuel to be fed to the suction pipe of the engine as required, and a heat regulator adapted to act simultaneously on said regulating valve and said fuel valve and to cause said regulating valve to regulate the passage of the exhaust gas through said heating chamber.

2,067,293
PROCESS OF ROLLING RAILS
Albert P. Spooner, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
No Drawing. Application July 16, 1934, Serial No. 735,429
10 Claims. (Cl. 80—60)

1. The process of manufacturing rails substantially free from shatter cracks which comprises rolling blooms, allowing said blooms to cool to below 400 degrees F., reheating said blooms and rolling rails therefrom.

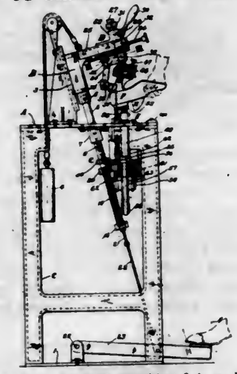
2,067,294
LUBRICATING DEVICE
Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application June 11, 1934, Serial No. 730,015
8 Claims. (Cl. 221—47.3)

1. A cartridge of the character described comprising, a hollow cylindrical body, a permanent closure for one end of said body having an outlet opening therethrough, a piston forming a closure for the opposite end of said body and adapted to be moved toward said outlet opening, and a metal tongue secured to said piston, on the side thereof toward the outlet opening, engageable with the inner wall of said cylindrical body, said tongue



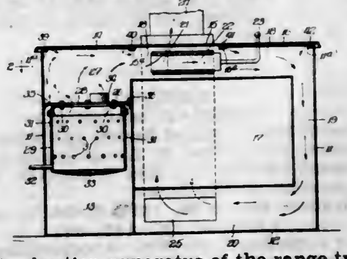
extending rearwardly and radially from its point of attachment to the piston, and so supported as to swing radially outward upon rearward movement of the piston, thereby to impede such rearward movement and to mutilate the body wall.

2,067,295
APPARATUS FOR ATTACHING HEELS TO SHOES
Walter A. Thum, St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 6, 1934, Serial No. 733,943
34 Claims. (Cl. 1—32)



1. In an apparatus for attaching heels to shoes, means for clamping together a shoe and a heel, operating means for the clamping means, extensible connections between the operating means and clamping means, and means operated by the connections upon their extension for locking the clamping means.

2,067,296
COOKING RANGE
Ben Valjean, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application January 21, 1932, Serial No. 587,855
2 Claims. (Cl. 126—44)



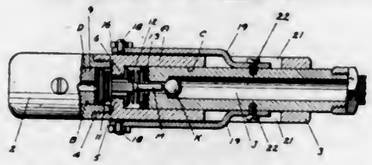
2. Combustion apparatus of the range type including a top wall comprising removable heating

plates, supporting ledges for said plates, and slots extending transversely of the longitudinal axis of the apparatus, said slots being located at the joints of the removable plates and their supporting ledges.

2,067,297
FINISHING MATERIAL AND PROCESS OF MAKING THE SAME
Lawrence R. van Allen, Chicago, Ill.
No Drawing. Application February 7, 1934, Serial No. 710,182
7 Claims. (Cl. 51—279)

5. A paste polishing material comprising the waxlike residue remaining from the bleaching and de-waxing of crude shellac mixed with suitable emulsifying agents and a fatty acid.

2,067,298
LUBRICATING DEVICE
Arthur H. Watson, Wilmette, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application December 30, 1932, Serial No. 649,461
7 Claims. (Cl. 221—47.4)



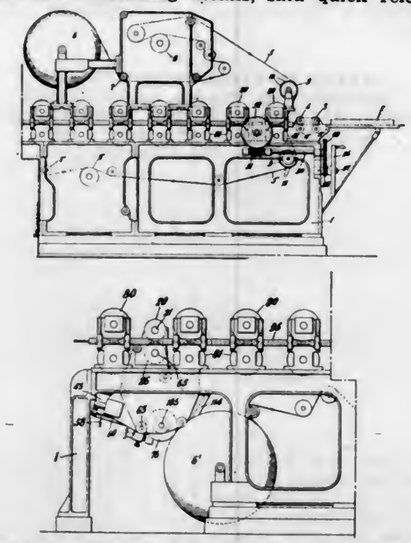
1. In a lubricant discharge nozzle, means providing a cylinder, a lubricant conducting conduit mounted for reciprocation in said cylinder, a valve for controlling the flow of lubricant from the conduit into said cylinder, means providing communication between said cylinder and the discharge orifice of said nozzle, and means for opening said valve when said conduit is urged inwardly of the cylinder to displace lubricant therein.

2,067,299
RUBBER SOLUTION
Ira Williams, Woodstown, and Carroll Cummings Smith, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 11, 1935, Serial No. 40,090
24 Claims. (Cl. 134—17)

1. The method of reducing the viscosity of solutions of unvulcanized rubber in an aliphatic hydrocarbon solvent which comprises the step of subjecting the rubber to the action of about 0.1 to about 10% of an unsymmetrically substituted hydrazine compound based on the rubber in the presence of about 1 to about 10% of an alcohol based on the solvent, for a length of time sufficient to decrease its viscosity.

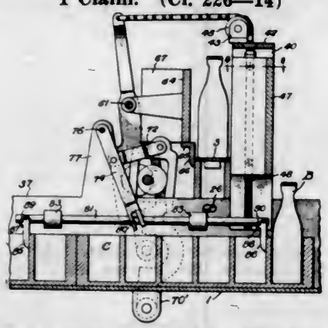
2,067,300
COMBINING MACHINE
Charles C. Willis, Bound Brook, and Sterling W. Warner, Somerville, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application August 27, 1935, Serial No. 38,066
5 Claims. (Cl. 164—68)

5. In a combining machine for combining a web of material to sheets of boxboard, means for cutting the web, means for frictionally driving the cuttings means, means for restraining the operation of the cutting means, means to quickly release the restraining means, said quick release



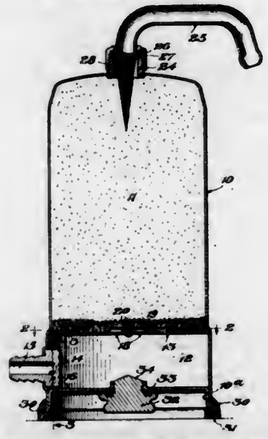
means initiated by the ends of the boxboard sheets to predeterminedly commence the operation of the cutting means, for predetermined cutting of the web.

2,067,301
AUTOMATIC CRATING MACHINE
Charles Alvin Miller, Sr., Bainbridge, Ga.
Application May 11, 1935, Serial No. 21,021
1 Claim. (Cl. 226—14)



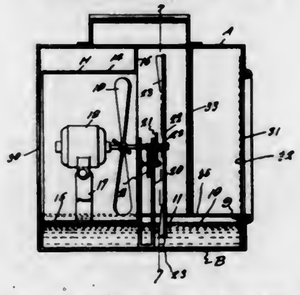
Crating apparatus comprising a frame, a bottle guide reciprocable vertically on said frame and having a plurality of vertical bottle receiving recesses formed in one side thereof, a conveyor continuously moving bottles in a row in front of the recesses in said guide, means for intermittently moving crates under said conveyor to predetermined position below said guide, a pusher plate movable across said conveyor intermittently for pushing a predetermined number of bottles from said row into the recesses in said guide, means for operating said plate and crate moving means in alternation, mechanism operable by contact with a bottle on said conveyor for automatically controlling the operation of said operating means, and means connected to said pusher plate and operable during the movement of the plate toward said guide for lowering the guide onto a crate during the rest period thereof, and for raising said guide into bottle receiving position during the movement of said plate away from said guide.

2,067,302
WATER TREATING APPARATUS
Eric Pick, New York, N. Y., assignor to The Permutit Company (1934), Wilmington, Del., a corporation of Delaware
Application October 15, 1934, Serial No. 748,403
5 Claims. (Cl. 34—24)



5. In water treating apparatus a substantially cylindrical metal container divided into two contiguous cylindrical chambers separated by a discoid partition permanently fixed to the container wall, one of said chambers being a treating chamber for containing a body of granular water treating material and having outlet means near its top for water, the other chamber being an inlet distributing chamber provided with an inlet water connection and with a closable opening of substantial size having a removable water tight closure, and detachable foraminous water distributing means fitted in said discoid partition and capable of being removed through said closable opening.

2,067,303
PORTABLE AIR CONDITIONER
John Thomas Tennison, Enid, Okla.
Application January 29, 1936, Serial No. 61,425
4 Claims. (Cl. 183—12)

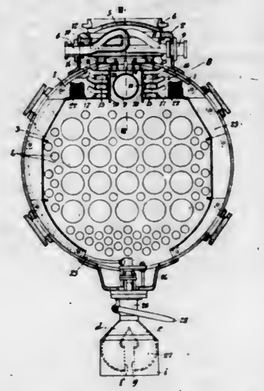


1. An air conditioner of the class described comprising a pan, a hood the lower end of which is telescoped over the pan, a fan, means for mounting the fan on the pan and in the hood, a water agitator operatively connected with the fan to rotate at a slower speed, said hood being open at both ends, one end having a screen, and a second screen interiorly of the hood between the agitator and the first mentioned screen, the pan having a top disposed below the upper edges of the walls and provided with a slot through which the agitator extends, said hood having an interior ledge disposed over the upper edges of the walls of the pan and extending inwardly thereof.

2,067,304
MANUFACTURE OF ARTIFICIAL RUBBER-LIKE MASSES
Eduard Tschunkur and Walter Bock, Cologne-Mulheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 15, 1931, Serial No. 551,056. In Germany July 21, 1930
5 Claims. (Cl. 260—6)

1. Process of preparing artificial rubber-like masses which comprises polymerizing a butadiene compound of the group consisting of butadiene-(1,3) and alkyl-substituted butadienes in the presence of a salt of the group consisting of salts of fatty acids, salts of sulfo fatty acids, alkali metal salts of alkyl-substituted aromatic sulfonic acids and salts of high molecular bases with inorganic and organic acids, and in the presence of water, the salt being present in an amount sufficient to exert an emulsifying action and a polymerization-exerting effect, and the water being present in an amount insufficient to effect complete solution of the salt and for the formation of an emulsion.

2,067,305
FEED-WATER PURIFIER PLANT FOR LOCOMOTIVE BOILERS
Fritz Wagner, Berlin-Lichterfelde, Germany
Application October 22, 1934, Serial No. 749,473
8 Claims. (Cl. 122—436)



1. A feed-water purifier plant for locomotive boilers, comprising a feed pipe, a nozzle on the inner end of the feed pipe and in the steam space of the boiler and having forked means forming part of the nozzle for breaking up into a veil directed transversely to the axis of the nozzle, the water issuing from the nozzle outlet, and a baffle unit arranged below, and spaced from, the nozzle outlet, said forked means ending in outlets which are so positioned as to direct the veil of water in a substantially horizontal plane.

2,067,306
ALLOYS
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application April 12, 1934, Serial No. 720,280. Renewed July 1, 1936
8 Claims. (Cl. 75—159)

1. Stainless so-called white metal capable of being hot and cold worked containing, approximately, 65 to 93% copper and 4 to 25% nickel, with the sum of the copper and nickel between approximately 80 and 97%, 0.5 to 5% chromium, 0.5 to 5% manganese, and 2 to 15% iron, but at least twice as much iron as chromium, the copper and nickel constituting substantially the balance of the alloy in respect to the other metals specified.

2,067,307
STAINLESS COPPER BASE ALLOY
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Original application May 31, 1933, Serial No. 673,768. Divided and this application November 1, 1934, Serial No. 751,089
2 Claims. (Cl. 75—155)

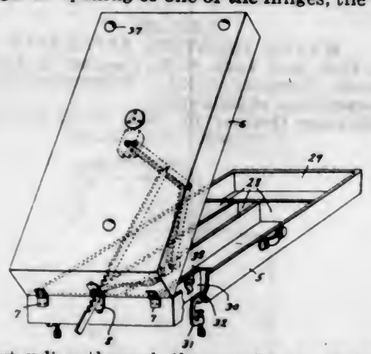
1. Stainless, hot and cold workable, white metal alloys containing copper 65 to 93%, nickel 4 to 20%, chromium 0.5 to 5%, zinc appreciable amounts up to 19.5%, the sum of the copper and nickel being between 80 and 95%, the amount of chromium varying roughly linearly and inversely with the amount of copper within the ranges of chromium and copper specified, the copper and nickel constituting substantially the balance of the alloy with respect to the other elements specified.

2,067,308
STAINLESS COPPER BASE ALLOYS
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Original application May 31, 1933, Serial No. 673,768. Divided and this application November 1, 1934, Serial No. 751,090
6 Claims. (Cl. 75—159)

1. Stainless, hot and cold workable, white metal alloys containing copper 66.5 to 95.3%, nickel 3.6 to 25%; chromium 0.5 to 5.5%, manganese 0.5 to 5.5%, the sum of the copper and nickel being between 89 and 99%, the amount of chromium varying roughly linearly and inversely with the amount of copper within the ranges of chromium and copper specified, the copper and nickel constituting substantially the balance of the alloy with respect to the other elements specified.

2,067,309
PORTABLE DRAFTSMAN'S CASE
Martin William Wogaman, Greenville, Ohio
Application September 17, 1935, Serial No. 40,992
2 Claims. (Cl. 45—131)

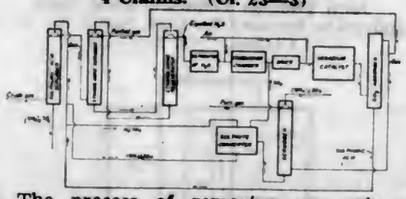
1. A case of the class described comprising a pair of sections hingedly connected at adjacent ends, a drawing board on the upper section, means for swivelly mounting the drawing board on said upper section, and means for holding said upper section in different angular adjusted positions with respect to the lower section or closed thereover, said means including a link pivotally connected with the lower section, a link pivotally connected with the upper section, said links being pivotally connected together, a bar pivotally connected to the intermediate portion of the second-mentioned link and extending through an opening of one of the hinges, the portion extending through the opening in the hinge being of a rack type, and a spring urging the rack portion of the bar into engagement with the upper edge of the opening in the hinge.



2,067,310
CELLULOSE ESTER COMPOSITIONS, PARTICULARLY FOR MOLDING PURPOSES
Harold Allden Auden, Banstead, Hanns Peter Staudinger, Great Burgh, Epsom, and Philip Eaglesfield, Carshalton, England
No Drawing. Application April 25, 1935, Serial No. 18,260. In Great Britain May 9, 1934
10 Claims. (Cl. 106—40)

1. The process of producing a cellulose ester composition consisting in mixing as essential components cellulose triacetate and a material taken from the group consisting of lactides and the anhydrides of maleic, succinic and phthalic acids having a boiling point of at least 200° centigrade at normal pressure, first mechanically and then with the aid of a solvent.

2,067,311
PURIFICATION OF GASES FROM AMMONIA AND HYDROGEN SULPHIDE
Hans Baehr, Leuna, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application August 30, 1934, Serial No. 742,084
In Germany September 7, 1933
4 Claims. (Cl. 23—3)



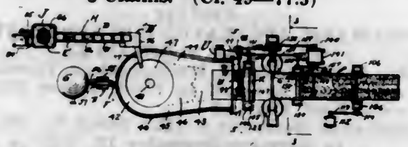
1. The process of removing ammonia and hydrogen sulphide from a gas containing the same which comprises the steps of scrubbing said gas with sulphuric acid, thereby producing ammonium sulphate; then scrubbing said gas with an agent capable of removing hydrogen sulphide from said gas and of being regenerated; regenerating the spent scrubbing agent, thereby producing a substance selected from the group consisting of hydrogen sulphide, sulphur and sulphur dioxide; converting said substance into sulphuric acid, scrubbing the waste gases from said sulphuric acid conversion with water in the presence of ammonia, converting the resulting sulphite into gaseous sulphur dioxide and ammonium sulphate in solution, converting said sulphur dioxide into sulphuric acid and scrubbing with said sulphuric acids further amounts of gas to be treated.

2,067,312
PROCESS OF TREATING SLAG
William C. Coryell, Youngstown, Ohio
Application June 29, 1933, Serial No. 678,251
12 Claims. (Cl. 49—77.5)



1. The process of forming a foam like cellular slag structure from slag in a viscous flowing condition, which comprises passing the slag in said viscous flowing condition as a continuously flowing stream through a tubular combustion and mixing chamber, and supplying combustion materials to the traveling slag stream near the slag inlet of said chamber, whereby gas is generated and liberated in the traveling slag stream in said chamber to produce a viscous liquid bubbly mass capable of being formed into suitable blocks or slabs.

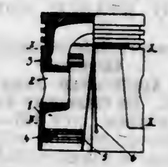
2,067,313
PROCESS OF FORMING SLAG BLOCKS
William C. Coryell, Youngstown, Ohio
Original application June 29, 1933, Serial No. 678,251. Divided and this application May 31, 1935, Serial No. 24,319
3 Claims. (Cl. 49—77.5)



1. In a process of the kind described, the operations of delivering a stream of hot bubbly material of the kind described upon a continuously traveling conveyor and subjecting the same while on the conveyor to a cooling action, whereby the material on the conveyor at any given instant constitutes a traveling mass which is in a semi-molten plastic state at the receiving point and gradually cooler down to the delivery point where it is cooled to solidity, accompanied by the application of rolling pressure to the hot mass near said receiving point to smooth down the cells near the surface of the material and allow the contained bubbles to elongate and the adjacent walls to run together to provide an outside skin, and subsequently raking the outside surface thus formed after the same has been somewhat cooled but before it reaches its fully cooled state to break down the outer cell walls and permit the material more or less to close over the various cellular openings and thus provide a roughness upon the product surface well suited to receive a coat of plaster or the like.

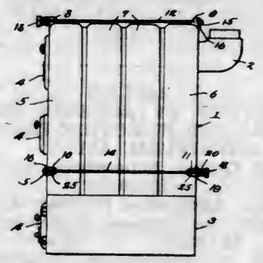
2,067,314
PISTON
August Debelack, Vienna, Austria
Application April 2, 1936, Serial No. 72,429
5 Claims. (Cl. 309—13)

1. A skirted piston having in its skirt upper and lower metal inserts differing as to coefficient of expansion from the metal of the piston and



affording greater bi-metallic action of the upper skirt portion than the lower skirt portion.

2,067,315
COMPENSATOR FOR HEATING BOILERS
Harry A. R. Dietrich, Bethlehem, Pa.
Application August 17, 1935, Serial No. 36,727
1 Claim. (Cl. 122—225)



A heating boiler comprising sections, including terminal sections having external lugs that are provided with slots extended inwardly from the outer ends of the lugs, bolts external to the sections and insertable transversely into the slots, the bolts having heads cooperating with the lugs of one terminal section, nuts threaded on the bolts, and compression springs interposed between the nuts and the adjacent lugs, the nuts having tubular portions extended into the springs throughout nearly the entire length of the springs and holding the springs in coaxial relation to the bolts, thereby avoiding a lateral component in the thrust of the springs which might tend to work the bolts out of the slots of the lugs as rust accumulates between the sections.

2,067,316
VINYL RESIN COATING
Daniel M. Gray, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
No Drawing. Application July 5, 1934, Serial No. 733,914
10 Claims. (Cl. 134—26)

2. A polymerized vinyl resin coating material or lacquer, comprising polymerized vinyl resin, a solvent in which said resin is dissolved, a diluent therefor, and from about two percent to about twelve percent of at least one member of the group of polyhydronaphthalenes compatible with and mixed with the liquid mass and in such amounts as impart to said liquid mass when applied as a coating the property of drying without forming permanent ridges, the said group of polyhydronaphthalenes consisting of tetrahydronaphthalene, dekahydronaphthalene, dihydronaphthalene, hexahydronaphthalene, and octahydronaphthalene.

2,067,317

METHOD OF CONVERTING BARBITURIC ACIDS INTO STABLE AQUEOUS SOLUTIONS

Heinrich Gruber, Schoneberg, near Berlin, Germany

No Drawing. Application June 7, 1932, Serial No. 615,951. In Germany June 18, 1931
20 Claims. (Cl. 167—52)

1. As an improved method of preparing stable aqueous solutions of alkali metal salts of substituted barbituric acids, suitable for injection purposes, the process which comprises preparing an aqueous solution of said alkali metal salt having the said acid and alkali combined in substantially equi-molecular proportions and incorporating a non-albuminous, organic nitrogen-containing, hydrotropic substance with the aqueous solvent, said substance being water-soluble and capable of stabilizing the said alkali metal salt against hydrolysis by the aqueous solvent, sufficient stabilizing agent being incorporated to prevent any substantial development of free acid and alkali and to render the aqueous solution of said alkali metal salt stable in storage.

2,067,318

MANUFACTURE OF AQUEOUS SOLUTIONS SUITABLE FOR INJECTION FROM SUBSTITUTED BARBITURIC ACIDS

Heinrich Gruber, Schoneberg, near Berlin, Germany

No Drawing. Application February 4, 1933, Serial No. 655,263. In Germany September 23, 1932
18 Claims. (Cl. 167—52)

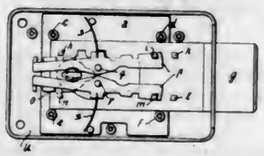
1. As an improvement in preparing aqueous solutions, suitable for injection, from barbituric acids, the improvement which comprises intimately admixing the barbituric acid with a water-soluble aliphatic polyhydric alcohol, adding to the mixture so obtained an amount of dilute aqueous alkali lye solution, sufficient to dissolve the barbituric acid, said aqueous solution containing a molar amount of alkali not exceeding that equivalent to the barbituric acid employed, and agitating the aqueous mixture until the barbituric acid is dissolved and a clear solution is obtained, the barbituric acid thus becoming dissolved in an aqueous alcoholic solution free of excess alkali and containing an aliphatic polyhydric alcohol.

2,067,319

SAFETY LOCK

Wilhelm Haag, Pforzheim, Germany

Application September 22, 1934, Serial No. 745,114
In Germany November 21, 1933
1 Claim. (Cl. 70—75)



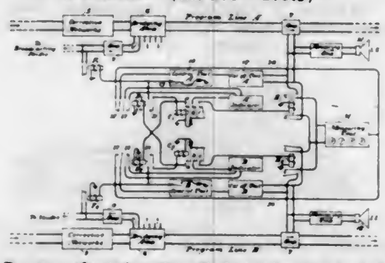
In a key operated lock having a support and a bolt formed with locking pins and slidably mounted on said support, the combination of a plurality of tumblers for locking said bolt, each of said tumblers being formed with two key sweeps symmetrically disposed, relatively to an axis of symmetry running through the fulcrum point of the tumblers so as to render the latter reversible as to said axis of symmetry.

2,067,320

MEASURING SYSTEM FOR PROGRAM CIRCUIT MAINTENANCE

Harold S. Hamilton, White Plains, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application October 17, 1935, Serial No. 45,497
8 Claims. (Cl. 179—175.3)



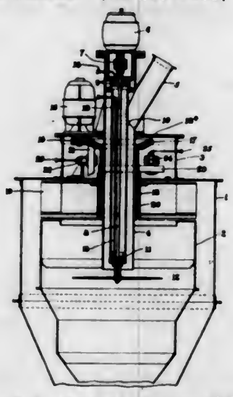
1. In an electric circuital system comprising a plurality of separate electric circuits all centering at one common point, means for separately measuring and recording electrical characteristics of any one of the separate circuits at desired times at a plurality of frequencies, comprising a generator of the plurality of frequencies at remote points and a recording device at the common point, means for sending a starting signal from any of the remote points, the starting signal consisting of one or more of the plurality of testing frequencies, and means at the common point responsive to the starting signal for associating the recording device with the circuit over which the starting signal was transmitted.

2,067,321

PNEUMATIC APPARATUS FOR SEPARATING GRANULAR SUBSTANCES

Albin Berthold Helbig, Kaiserslautern, Germany, assignor of one-half to Victor Balzar Reichwald, Kent, England

Application December 6, 1933, Serial No. 701,226
In Germany December 10, 1932
3 Claims. (Cl. 209—139)



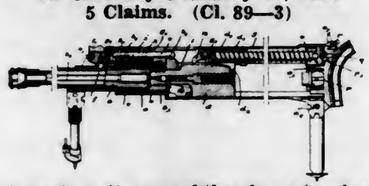
1. A pneumatic separator comprising in combination a non-rotating vertical feed spout, a vertical shaft extending through said spout and having clearance around it for passage of the feed, a distributing disk fixed to the lower end of said shaft, a fan having a hollow hub surrounding said spout, a roller bearing surrounding said spout and supporting said hollow hub, driving mechanism for said fan located wholly outside said spout, and driving mechanism for said vertical shaft separate from said fan driving mechanism.

2,067,322

AUTOMATIC GUN

Fritz Herlach and Theodor Rakula, Berlin-Frohnau, Germany, assignors to Waffenfabrik-Solothurn A.-G., Solothurn, Switzerland, a corporation of Switzerland

Application October 16, 1934, Serial No. 748,555
In Germany February 23, 1934
5 Claims. (Cl. 89—3)



1. An automatic gun of the character described comprising in combination a housing; a barrel and a breech block both longitudinally movable in said housing; separate running-out devices for the barrel and breech block; a single member on the housing for supporting both the running-out devices, said member being movable away and onto the housing to carry both running-out devices out of and into cooperation with the barrel and breech; and means in said member for accelerating the recoil of the breech block relatively to the barrel the accelerating means also being carried out of and restored to cooperation with the recoiling parts when said member is moved away from and returned onto said housing.

2,067,323

TELEPHONE STAND

Eric D. Hirsch, Memphis, Tenn.

Application October 28, 1935, Serial No. 47,196
2 Claims. (Cl. 248—158)



1. A stand for a telephone subscriber's set, said stand comprising a base, a standard rising from the base, a head on the upper end of the standard upon which a telephone subscriber's set is adapted to rest, jaw members on said head engageable with the base of the subscriber's set, means connecting the jaws to the head for swivel and pivotal movement of the jaws and spring means yieldably urging the jaws in position for engaging the base of the subscriber's set.

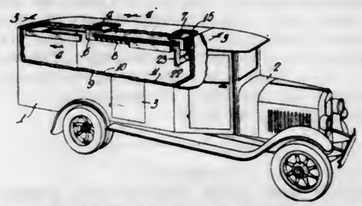
2,067,324

REFRIGERATING APPARATUS AND METHOD

Charles L. Jones, Pelham, N. Y., and Howard S. McIlvain, Belleville, N. J., assignors, by mesne assignments, to Adico Development Corporation

Application April 27, 1931, Serial No. 533,036
22 Claims. (Cl. 62—91.5)

9. A metallic container for refrigerating with solid carbon dioxide having an opening for access to the interior thereof, heat collecting extensions extending from said container, means



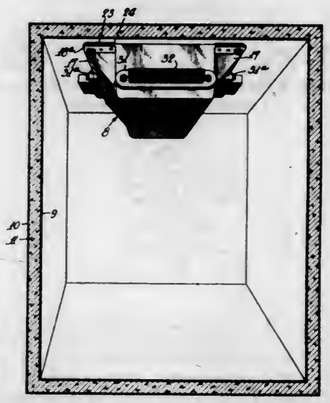
therein to permit discharge from and return to said container of the gas sublimed by said solid carbon dioxide.

2,067,325

REFRIGERATING APPARATUS AND METHOD

Charles L. Jones, Pelham, N. Y., and Howard S. McIlvain, Belleville, N. J., assignors, by mesne assignments, to Adico Development Corporation

Original application April 27, 1931, Serial No. 533,036. Divided and this application May 7, 1931, Serial No. 535,784
17 Claims. (Cl. 62—91.5)



9. A relatively thick-walled, cast-metal container for a gas producing refrigerant, said container having a normally closed top opening for charging the container with refrigerant and the container walls being substantially without exterior heat insulation, the top side of said container being extended a considerable distance beyond the side walls thereof to provide metallic heat conducting paths to the container from locations relatively remote from the container, and heat collecting fins extending from the container side walls below said extended top side of the container.

2,067,326

COMPOSITION FOR REMOVING FIBROUS LAYERS FROM SURFACES

Martin Leatherman, Hyattsville, Md.

No Drawing. Application October 17, 1933, Serial No. 693,965
2 Claims. (Cl. 87—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A composition for use in detaching fibrous layers from surfaces comprising a gel formed of

bentonite, methyl alcohol in substantially one tenth the volume of water employed, and a mixture of equal parts of sulfonated pine oil and an alkali metal salt of the sulfate esters of primary aliphatic higher fatty alcohols, said mixture being equal in weight to two per cent of the weight of water employed, and water in substantially the proportions of one part of bentonite to twelve parts of water by weight.

2,067,327

COMPOSITION FOR REMOVING FIBROUS LAYERS FROM SURFACES

Martin Leatherman, Hyattsville, Md.

No Drawing. Original application October 17, 1933, Serial No. 693,965. Divided and this application October 10, 1936, Serial No. 105,002
1 Claim. (Cl. 87—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

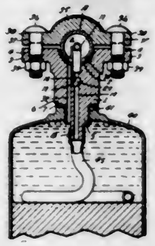
A composition for use in detaching fibrous layers attached to surfaces by an adhesive, comprising a gel formed of bentonite, isopropyl alcohol as a penetrant, sodium isopropyl naphthalene sulfonate as a wetting agent, and water in substantially the proportions of 1 part bentonite by weight to 12 parts of water by weight.

2,067,328

LIQUID TREATING MEANS

Robert A. Lux, Lakewood, Ohio, assignor of one-half to Lee A. Lux, Lakewood, Ohio

Application February 20, 1936, Serial No. 64,896
5 Claims. (Cl. 210—38)



1. In combination with a liquid conveying pipe having a hole in the side, a fitting connected to the pipe over said hole and being designed to receive a container, a container connected to the fitting, the fitting having inlet and outlet passageways through which, and said hole, the interiors of the pipe and container communicate, a solid body of liquid treating substance within the container and spaced from the region of the connection between the container and fitting, and an extensible conduit connected at one end to the fitting in communication with one of said passageways thereof while its opposite end bears upon the body of liquid treating substance.

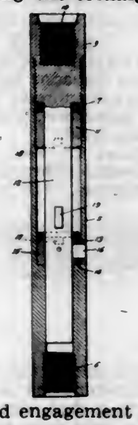
2,067,329

PUMP ROD COUPLING

William H. McGuffin, Freer, Tex.

Application August 28, 1936, Serial No. 98,385
4 Claims. (Cl. 255—28)

1. A rod coupling comprising inner and outer coupling members having lefthanded threaded connections, righthanded threads on the respective opposite ends of the assembled coupling members, a locking member threaded in the outer coupling member and cooperating means between the inner coupling member and the locking member for manipulating the locking member into



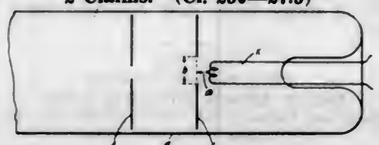
and out of threaded engagement with the outer coupling member.

2,067,330

ELECTRON DEVICE

Fritz Michelssen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application August 8, 1932, Serial No. 627,927
In Germany August 18, 1931
2 Claims. (Cl. 250—27.5)



2. An electron tube comprising an electron source, an anode electrode positioned in cooperative relationship with respect to the source, and a single apertured electrode adapted to be supplied with a negative biasing voltage, said electrode being entirely interposed between the anode and the source, the aperture being of a diameter b and spaced from the source by a distance a, and the relative relationship between b and a being such that

$$a = < \frac{b}{2}$$

2,067,331

ANTIKNOCKING MOTOR FUEL

Josef Martin Michel, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 1, 1934, Serial No. 728,627. In Germany June 14, 1933
6 Claims. (Cl. 44—9)

1. An anti-knock agent comprising tetraethyl lead and a small amount of a water-soluble fluoride to stabilize the tetraethyl lead against light and water.

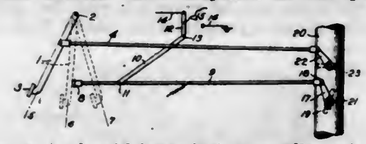
2,067,332

CONTROL FOR A SAFER OPERATION OF MOTOR VEHICLES

Harold Bolinger Numer, Cotter, Ark.

Application May 6, 1936, Serial No. 78,172
2 Claims. (Cl. 180—82)

1. Safety control mechanism for a motor vehicle comprising a lever connected with the throttle valve of the engine for controlling the same, a second valve in the engine fuel line which is normally in open position, an actuating means for the second valve disposed in the path of



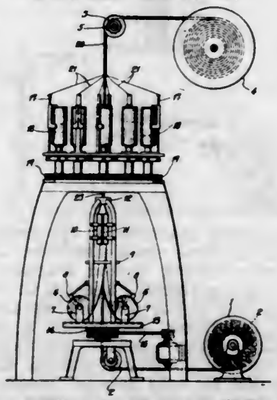
movement of said lever but normally out of engagement with the same, whereby, upon excess actuation of said lever, said second valve will be closed thereby stopping the flow of fuel to the engine.

2,067,333

MEANS FOR PRODUCING INSULATED CONDUCTORS

John W. Olson, Hastings-on-Hudson, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Original application November 14, 1935, Serial No. 49,689. Divided and this application April 9, 1936, Serial No. 73,415
8 Claims. (Cl. 96—3)



1. Wire covering apparatus including in combination means for advancing a conductor to be covered, supporting means rotatable about the axis of the advancing wire, means carried by said supporting means carrying a supply of strip material, forming means for bending said strip material transversely about the advancing conductor and means supported from said rotary support for converging said strip material toward the conductor.

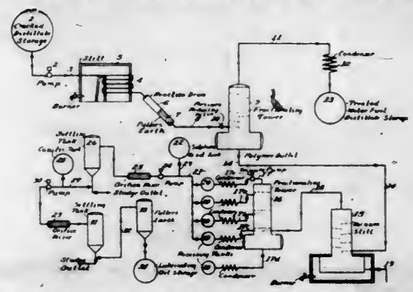
2,067,334

METHOD OF PRODUCING LUBRICATING OIL

Rudolph C. Osterstrom, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application November 19, 1931, Serial No. 576,127
1 Claim. (Cl. 196—147)

A process for treating unsaturated hydrocarbon distillate produced by vapor phase cracking, in order to prepare therefrom finished motor fuel and lubricating oil, which comprises contacting said distillate with an adsorptive polymerizing catalyst at temperatures of the order of 500°–600° F. under pressures sufficiently high to keep distillate in the liquid phase in order to selectively polymerize the color-imparting and gum-forming constituents contained therein, separating from the polymers, hydrocarbons boiling within the motor fuel range, said hydrocarbons containing a large percentage of unsaturated compounds but being substantially devoid of color-producing and gum-forming bodies, distilling the polymers under sub-atmospheric pressure below



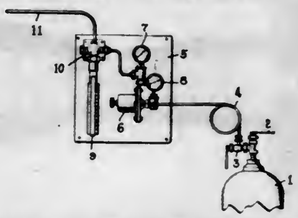
cracking temperature to remove therefrom pitch-like substances as a residue, condensing a viscous distillate fraction, subjecting said fraction to refining with sulfuric acid in order to remove impurities therefrom, and neutralizing the acid treated distillate.

2,067,335

GAS CONTROL AND FEEDING UNIT

Howard J. Pardee, New York, N. Y.

Application June 30, 1933, Serial No. 678,525
3 Claims. (Cl. 73—199)



1. In a gas control unit for feeding gas at a predetermined and regulable rate to a liquid, a control valve, means disposed on the inlet side of said control valve for maintaining the pressure thereon uniformly at more than twice the pressure on the discharge of said control valve, a meter intermediate the latter and said means, and means disposed on the discharge side of said control valve for interposing a second gas between said liquid and control valve when the pressure on said discharge side is reduced to less than atmospheric.

2,067,336

APPARATUS FOR STUDY OF TRAFFIC

John M. Paver, Wilmette, Ill.

Application December 1, 1933, Serial No. 700,449
7 Claims. (Cl. 235—92)

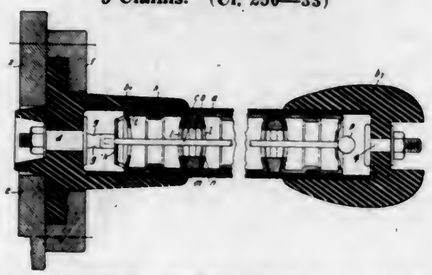
1. Apparatus for counting traffic comprising in combination a plurality of thin contact strips each having an effective length of a little less than the tread gage of vehicles laid in a line transversely of the roadway where a count is desired and maintained against displacement relative to the pavement, said strips being separated a distance a little greater than the tread gage of vehicles, each of said strips containing a pair of resiliently spaced conductors adapted to be brought into contact at the point of passage of vehicle wheels, said pairs of conductors being respectively con-

nected with electrically actuated counters and a source of energy whereby vehicles simultaneously



crossing the counting line will be individually registered.

2,067,337
ANTENNA FOR SUBMARINES
Max Polatzek, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 11, 1933, Serial No. 679,860
In Germany August 12, 1932
5 Claims. (Cl. 250—33)



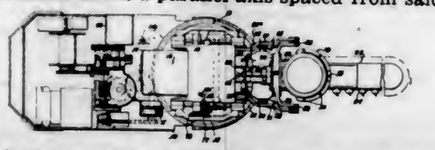
1. An antenna for submarines comprising an aerial wire supported within an insulated hose with the characteristic feature that the hose envelope is filled with compressed air, and an inlet valve for the compressed air which serves at the same time as an electric terminal for said aerial wire.

2,067,338
TOBACCO PRODUCT AND METHOD OF CONDITIONING SAME
James T. Power, Wilmington, Del., and Kenneth R. Brown, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 5, 1934, Serial No. 742,858
16 Claims. (Cl. 131—31)

13. A product comprising tobacco and sorbitol.

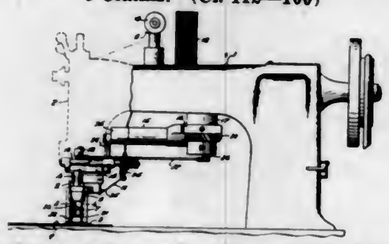
2,067,339
MINING MACHINE
Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 1, 1933, Serial No. 659,048
23 Claims. (Cl. 262—28)

1. In a mining machine, a frame, cutting mechanism supported thereon including a forwardly projecting cutter bar, means for supporting said cutter bar for vertical adjustment in a plurality of parallel planes including an arm supported adjacent its rearward end for pivotal movement about a transverse axis, another arm supported adjacent its rearward end for pivotal movement about a parallel axis spaced from said



first-mentioned axis, means for permitting said arms to move in parallel relation with respect to each other and means for locking said arms in locked relation with respect to each other for movement about the pivotal axis of one of said arms.

2,067,340
EMBROIDERING MEANS FOR SEWING MACHINES
Emil Prazak, Elizabeth, N. J.
Application January 7, 1936, Serial No. 57,896
9 Claims. (Cl. 112—100)

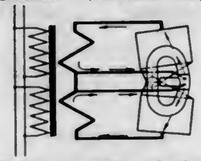


2. In a sewing machine, a two-needle sewing mechanism, a drive shaft therefor, and means to loop embroidering thread transversely back and forth upon material subjected to said sewing mechanism and in the path of operation of the needles of the latter, comprising a carriage, a substantially vertical spindle journaled in said carriage, an embroidering thread distributing means carried by said spindle, means actuated from said drive shaft for oscillating said spindle to swing said distributing means laterally back and forth in timed relation to operative movements of the sewing needles, and means also actuated from said drive shaft for oscillating said carriage to advance and retract said distributing means longitudinally across the path of said needles, said latter actuating means being adapted to operate in timed relation both to the lateral swinging movements of said distributing means and to the operative movements of said needles.

2,067,341
PROCESS FOR MECHANICALLY OPENING BRAN
Efraim Rabinowitsch, Paris, France, assignor to Nomolas Limited, London, England
No Drawing. Application September 20, 1932, Serial No. 634,081. In Germany September 23, 1931
1 Claim. (Cl. 83—28)

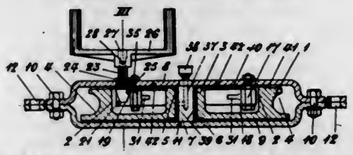
A process for mechanically opening bran, having albumen containing cells surrounded by tough aleurone layers which consists in introducing bran and an excess of water into a closeable vessel, producing a continuously increasing pressure in said vessel to cause a portion of said water to penetrate into said cells, keeping said pressure permanently higher than the pressure produced in the interior of said cells by contact of the water with the albumen, whereby said cells and said aleurone layers are caused to swell, and milling said cells in the swollen condition.

2,067,342
METHOD FOR MAKING ELECTRICALLY WELDED CHAIN LINKS
Frans Christiaan Rauwenhoff, Oegstgeest, Netherlands, assignor to Naamlooze Vennootschap: Koninklijke Nederlandsche Grofsmederij, Leiden, Netherlands, a corporation of the Netherlands
Application August 24, 1935, Serial No. 37,756
2 Claims. (Cl. 219—10)



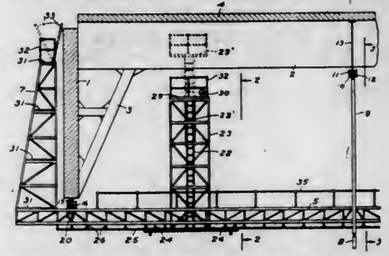
1. A method for making electrically welded chain links by the flash welding system from metal rods initially bent in the shape of a C, and filling pieces consisting in passing an electric current through the back portion of the C-shaped rod to heat the latter, positioning the filling piece in the gap between the ends of the C-shaped rod and bending the back of the latter to press the end faces thereof against the ends of said filling piece, and applying welding current to both ends of the C-shaped rod and to the filling piece, the current applied to both ends of the C-shaped rod having the same polarity differing from the polarity of the filling piece, and electrically insulating said filling piece from the back of said C-shaped rod.

2,067,343
BRAKE MECHANISM
Herbert Richford, Moston, Manchester, England
Application June 28, 1934, Serial No. 732,819
In Great Britain July 7, 1933
9 Claims. (Cl. 188—78)



1. A brake mechanism comprising a carrier member, a turnable member carried by said carrier member, braking members within the turnable member which are movable outwardly into and inwardly out of contact with the turnable member and are adapted to bear against bearing means and to be moved about their bearing thereon and are also provided with oblique faces and adjacent to the oblique faces on them respectively are formed with bearing parts to bear on sustaining means, turnable conical wedging means for moving said braking means outwardly, applied for action between the opposed oblique faces on the braking members, and turnable in connection with screw-threaded operating means turnable for use in moving said conical wedging means in the direction of the center line thereof and parallel to the center line of said turnable member on the carrier member, and in turning said conical wedging means, means for turning said screw-threaded operating means, bearing-means for said screw-threaded operating means provided in said carrier member, bearing means also provided in said carrier member providing bearing on which said braking members may be moved, and sustaining means in said carrier member for sustaining the braking members at parts adjacent to the oblique faces against movement under pressure of the conical wedging means transverse to the outward and inward movement of said braking members.

2,067,344
BRIDGE SPAN INSPECTION AND MAINTENANCE TRAVELER
William H. Ringe, Berkeley, Calif.
Application June 13, 1936, Serial No. 85,109
9 Claims. (Cl. 304—9)



1. Bridge span inspection and maintenance apparatus comprising a traveler frame extending transversely under and adjacent to the bridge span from side to side thereof arranged and adapted to support workmen in accessible relation to and for working and painting on the span, tracks secured to and extending along the bridge span, rollers carried by the traveler frame rollably suspending the latter from the tracks on the bridge span to roll longitudinally thereof below the same, and means for propelling said traveler along said tracks.

2,067,345
PROCESS OF PURIFYING LIQUIDS
Claudius H. M. Roberts, San Marino, and Ralph L. Belshe, Long Beach, Calif., assignors to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 12, 1934, Serial No. 715,160
9 Claims. (Cl. 204—24)

1. A method of purifying an oily material including a liquid phase of oil containing polar substances of a contaminating nature, which method includes the steps of: intimately mixing with said oily material a substance of high polar moment and substantially insoluble in said liquid phase, whereby said substance of high polar moment preferentially adsorbs from said liquid phase said contaminating polar substances; subjecting the mixture to the action of an electromagnetic stress during the adsorption period, said substance of high polar moment being allowed to remain in contact with said oily material for a time sufficient to effect substantial adsorption; and removing said substance of high polar moment and its adsorbed polar substances from said liquid phase.

9. A method of purifying oily substances including a liquid phase containing ionized materials and materials consisting of polar molecules, which method includes the steps of: adding to said oily substance an adsorbent capable of adsorbing both said materials and adsorbing said

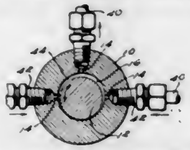
ionized materials at a greater rate than said polar molecules but which upon prolonged contact will cause at least a portion of the adsorbed ionized materials to be replaced by polar molecules and returned to the oily substance, whereby the contents of ionized materials and polar molecules in the oily substance are at a minimum at different times; determining when said content of one of said materials in said oily substance is a minimum; removing said adsorbent along with its adsorbed materials from said oily substance when said content of one of said materials is substantially a minimum; adding fresh adsorbent to said oily substance to adsorb the other of said materials; and removing said fresh adsorbent and its adsorbed materials from the oily substance.

2,067,346

REGULATING VALVE

Stanley J. Rovinsky, Menominee, Mich., assignor to Ransom H. Beman

Application September 7, 1935, Serial No. 39,506
6 Claims. (Cl. 251—92)



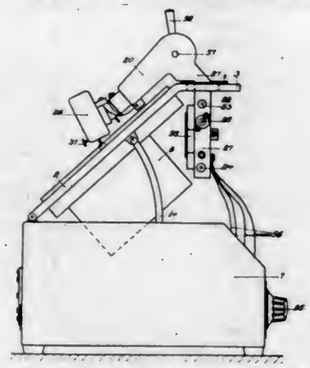
1. A device for regulating the flow of fluids or the like comprising a casing having ports, a rotary member within and snugly fitting the wall of the casing and having a circumferential groove in its peripheral surface and located in the plane of the ports, said groove having a constant width throughout its length at the surface of the rotary member and having a circular base which is eccentric to said surface, and means for turning the rotary member.

2,067,347

RECORDING AND REPRODUCING DEVICE

Arno Rysick, Dresden, Germany

Application February 25, 1935, Serial No. 8,093. Renewed June 22, 1936. In Switzerland September 29, 1934
10 Claims. (Cl. 179—100.4)



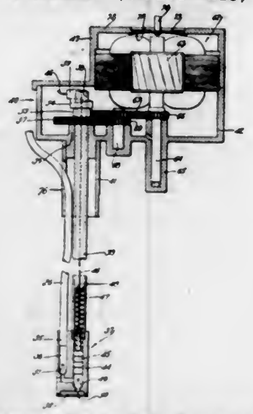
1. A disc recording and reproducing device, comprising a casing, a turntable arranged on said casing, a guide in said casing, a carrier on said guide, a recording and reproducing tool disposed above said turntable on said carrier, a sound recorder, a sound reproducer, transmission members for connecting said sound recorder and sound reproducer with said recording and reproducing tool, a motor for driving said turntable and said carrier for the recording and reproducing tool, a starting and stopping device disposed between the motor and the turntable, and a change-over device for alternately starting the recording or the reproducing tool.

2,067,348

KITCHEN RANGE BURNER OIL PUMP

George Schaumann, Jr., Devon, Conn., assignor to Hazel W. Schaumann, Milford, Conn., administratrix, assignor to Hazel W. Schaumann, Devon, Conn.

Application May 10, 1934, Serial No. 724,848
3 Claims. (Cl. 103—218)



1. In an apparatus of the character described, a coupling providing a detachable connection, a casing at the upper side of and supported by said coupling, a column entering said casing and supported by said coupling and extending from the lower side thereof, a pump cylinder carried by the lower end of said column, a reciprocable piston in said cylinder, means secured to the piston and extending upwardly through the column, a member secured to said means and having a portion in said casing, a spring in the column and normally holding the piston in discharged position, a cam on the upper end of said column and operable to move the member and draw the piston upwardly to load the pump cylinder and then release said member to permit the spring to actuate the piston to discharge the pump, and a motor in said casing and connected to operate the cam.

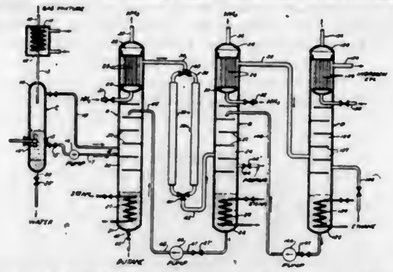
2,067,349

PROCESS AND APPARATUS FOR SEPARATING GAS MIXTURES

Paul Schuftan, Hoellriegelskreuth, near Munich, Germany, assignor to The Linde Air Products Company, a corporation of Ohio

Application July 10, 1936, Serial No. 89,882
In Germany May 21, 1935
15 Claims. (Cl. 62—175.5)

1. A process for the equalization of fluctuations of the temperature or the composition of the gas mixture supplied to gas separating apparatus, which includes the steps of cooling the raw gas mixture to a constant temperature at which a condensation will occur under all conditions to be encountered; collecting and holding the condensates at the reduced temperature in a storage vessel for a substantial period to mix the portions condensed with portions previously liquefied; and introducing the collected condensate in



the liquid state at a uniform rate into the separating apparatus.

2,067,350

FEEDING MECHANISM FOR FIBROUS LAYERS

Sidney L. Schwarz, Highland Park, Ill., assignor to Cellufoam Corporation, Chicago, Ill., a corporation of Delaware

Application July 31, 1935, Serial No. 33,924
1 Claim. (Cl. 92—38)



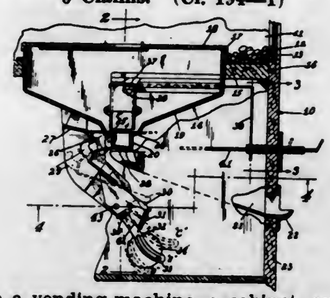
In mechanism for advancing a layer of distended fibrous material during an intermediate stage in the removal of moisture therefrom, the combination of an endless Fourdrinier wire, a perforated roller around which the wire travels at its discharge end, an air discharge nozzle within the roller in position to discharge air through the perforations in the roller and against the under surface of the layer carried thereby at a point contiguous to the line of tangential contact between the wire and the roller to strip the layer therefrom and prevent it from being carried around the turn of the roller, a second roller in spaced relation to the first mentioned roller and having an endless feeding apron carried thereby in flush alignment with the feeding surface of the Fourdrinier wire, an oven into which the endless feeding apron is mounted to travel, transfer mechanism within the downwardly convergent gap between the upper turns of the rollers, said mechanism comprising an endless screen and rollers of relatively small diameter located respectively in closely adjacent relation to the Fourdrinier wire and the apron for holding the upper turn of the screen in closely aligned flush relation with the wire and the apron respectively, the roller at the discharge end of the transfer mechanism having a perforated shell and an air discharge nozzle located within the shell and adapted to discharge air through the perforations in the roller and against the under surface of the layer to strip the layer therefrom and suspend it in substantially level relation during its advance to the apron, and means for feeding the Fourdrinier wire, the apron and the transfer screen at a uniform rate of surface travel to carry the layer from the Fourdrinier wire and into the oven in a substantially straight line movement of advance.

2,067,351

VENDING MACHINE ATTACHMENT

Carl R. Simpkins, Inglewood, Calif., and Bruno Radtke, Libertyville, Ill., assignors to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois

Application April 25, 1935, Serial No. 18,172
6 Claims. (Cl. 194—1)



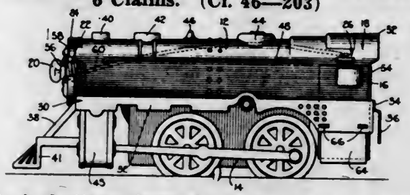
1. In a vending machine, a cabinet, an article storage magazine in said cabinet, a coin control including a slide movably mounted in a wall of said cabinet and having a notched latch part, means for latching said coin slide against operation when said storage magazine is empty, said means comprising a member pivoted on an interior wall of said magazine and having a latch rod extended therefrom and movable therewith for normal latching engagement with the notch part of said slide and being movable out of latching engagement with the notched latch part of the slide responsive to the pressure of articles against said pivotally mounted member in said magazine.

2,067,352

BATTERY LIGHTED LOCOMOTIVE TOY

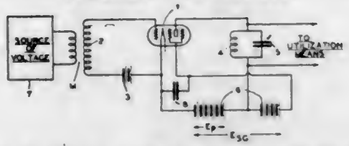
Anthony N. Smith, Girard, Pa., assignor, by mesne assignments, to The Girard Manufacturing Company, Girard, Pa., a corporation of Pennsylvania

Application September 21, 1933, Serial No. 690,317
6 Claims. (Cl. 46—203)



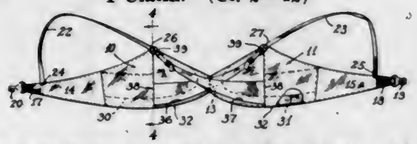
1. A battery lighted mechanically operated vehicle toy comprising a toy body, a grounded socket and a lamp of the flashlight battery type mounted on the toy body, the floor of the toy body being cut away to receive a flashlight battery cell in an upright position, a generally U-shaped battery support detachably mounted beneath the toy body between the side walls thereof, and provided with a spring contact bearing against and grounding the lower end of the cell, switch mechanism in the toy body contacting with the upper end of the cell, said switch mechanism including a strip of insulation passing through slots in the side walls of the toy body and slidable transversely of the toy, said slidable strip being provided with spaced contacts interconnected by a small resistor, and a single conductor extending from one of said contacts to the ungrounded contact of the lamp socket, whereby bright, dim, or no energization of the lamp may be provided by reciprocation of the strip.

2,067,353
SYNCHRONIZED DYNATRON OSCILLATOR
Harold A. Snow, Mountain Lakes, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1932, Serial No. 602,211
6 Claims. (Cl. 250—36)



1. A dynatron oscillator circuit comprising an electron discharge device having an anode, a cathode, a screen grid and a control electrode, sources of potential applied to said electrodes of such values that the device has a negative resistance between the cathode and the anode, an input circuit for said electron discharge device connected between the cathode and control electrode, a frequency control source having a predetermined frequency coupled to said input circuit, an output circuit for said device connected between the anode and cathode thereof and including a resonant network, means for tuning said network to the frequency of said control source, and means for deriving energy of said predetermined frequency from said resonant network in cooperation with the anode, the cathode and the screen grid, which three electrodes are themselves constituted as an oscillation generator.

2,067,354
BRASSIÈRE
Lola Spare, Los Angeles, Calif.
Application February 17, 1936, Serial No. 64,215
1 Claim. (Cl. 2—42)

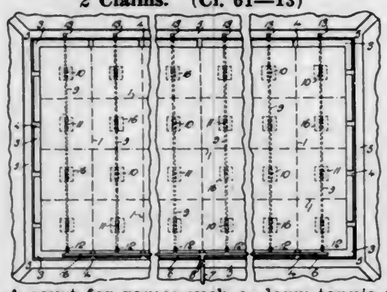


A bust support comprising two breast pockets connected to each other, means attached to each of said breast pockets and adapted to pass around the body of the wearer and to be connected on the back thereof, shoulder straps attached to said breast pockets and to said aforementioned means, and means attached by one of their ends to each of said breast pockets substantially along a vertical line between the apex of each of said breast pockets and the lower edge thereof, and by their respective other ends substantially to the place of attachment of the shoulder straps to the respectively other of said pockets, thereby transmitting a portion of the weight of each of the breasts to the shoulder strap attached to the breast pocket for the other breast.

2,067,355
CLEANING COMPOSITION
Leo V. Steck, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 12, 1933, Serial No. 665,778
6 Claims. (Cl. 87—5)

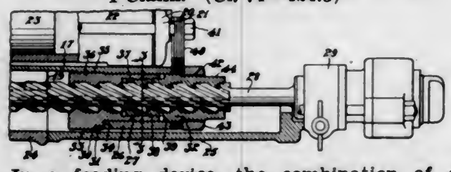
1. A fluid cleaning composition consisting of from about 88% to 50% of a dichlorbutane mixed with about 12% to 50% of a liquid organic grease solvent.

2,067,356
COURT FOR GAMES
Charles Deesa Swinhoe, Eastbourne, England
Application December 26, 1935, Serial No. 56,296
In Great Britain January 22, 1935
2 Claims. (Cl. 61—13)



1. A court for games such as lawn tennis comprising a foundation, divisions on said foundation forming a plurality of rows of trays, bricks surrounding the boundary of the court, a layer of bitumastic solution material over the foundation of each tray, a transverse branch water pipe traversing each row of trays, a main water supply pipe adjacent a side of the court and in communication with said branch pipes, each of which is provided with at least one outlet in each tray above the layer of bitumastic material, a layer of aggregate superimposed over said layer of bitumastic material, a layer of ashes superimposed upon said layer of aggregate, and a top dressing superimposed upon said layer of ashes.

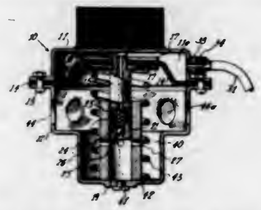
2,067,357
FEEDING DEVICE
Edward F. Terry, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application May 16, 1935, Serial No. 21,761
1 Claim. (Cl. 74—424.8)



In a feeding device, the combination of a casing having a recess and a feed screw extending through the recess, a feed nut in the recess and threadedly engaging the feed screw, means for preventing rotary movement of the feed nut with respect to the casing, a second feed nut in the recess threadedly engaging the feed screw and having a portion of reduced diameter threadedly engaging the first mentioned feed nut for effecting axial adjustment of the feed nuts with respect to the feed screw and being of the same diameter as the first mentioned feed nut and the recess, and a lock nut on the last mentioned feed nut acting against the casing to hold the feed nuts fixedly in the casing and with respect to each other.

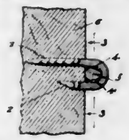
2,067,358
TIRE PUMP
William Kenneth Thornton, Woodbridge, N. J.
Application September 8, 1934, Serial No. 743,236
5 Claims. (Cl. 230—35)

1. A pump, comprising, in combination, a pair of body portions and a flexible diaphragm secured therebetween, one of said body portions forming a chamber with the diaphragm, a fluid reservoir in direct communication with said chamber, said fluid reservoir normally being subjected to varying operating pressures, the other of said body portions forming a second chamber with the diaphragm and being provided with a pump cylinder casing having apertures opening



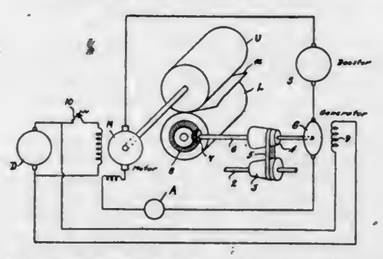
into the said second chamber and the latter being in turn in communication with the external air; a hollow piston mounted in the pump cylinder and secured to the flexible diaphragm for actuation thereby, the said hollow piston being provided with a one-way valve structure effecting communication between the pump cylinder and the first said chamber.

2,067,359
STAPLE
Robert C. Tumminello, Colfax, La.
Application June 23, 1936, Serial No. 86,834
1 Claim. (Cl. 85—49)



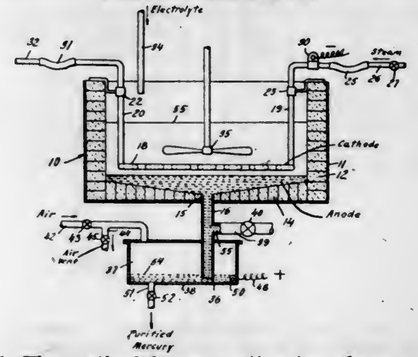
A staple comprising a body provided with legs forming a bridge at their meeting ends, and sharp ribs wider at their center and disposed only at the juncture of the bridge and the legs of the staple, forming substantially an inverted V-shaped biting means.

2,067,360
MECHANICAL MOVEMENT
John Warren Vedder, Worcester, and Charles Eugene Robinson, Cambridge, Mass., assignors to Rice, Barton & Fales, Inc., Worcester, Mass., a corporation of Massachusetts
Application September 15, 1934, Serial No. 744,110
11 Claims. (Cl. 92—47)



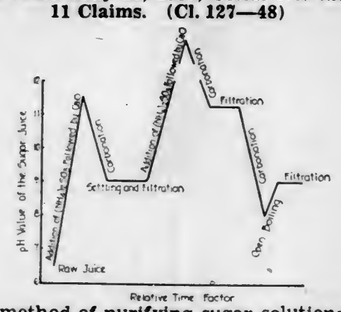
1. A mechanical movement, comprising cooperating rolls subjecting sheet material to pressure therebetween, means for driving one of said rolls, a generator also driven with said means, and means for driving the other roll in step with the first-named roll, said means including a drive motor and a current supply connection to the motor from said generator.

2,067,361
ELECTROLYTIC PURIFICATION
Robert E. Vivian, Garden City, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application December 31, 1934, Serial No. 759,819
5 Claims. (Cl. 204—9)



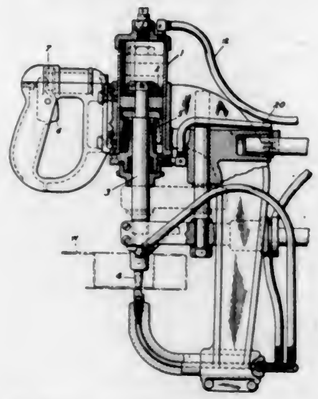
1. The method for separating iron from mercury containing the same which comprises forming an electrolytic cell including a cathode, and an anode of the impure mercury in contact with an electrolyte, and passing an electric current through the cell under conditions so as to provide therein a current density of about 50 amperes per square foot of mercury anode and a potential of about 4–6 volts to separate iron from the mercury.

2,067,362
PURIFICATION OF SUGAR JUICES
George E. G. von Stietz, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 16, 1934, Serial No. 725,894
11 Claims. (Cl. 127—48)



7. A method of purifying sugar solutions comprising as the first step carbonating the limed solution in the presence of an ammonium salt at a temperature below 85° C. to a hydrogen ion concentration of about 3×10^{-9} to 3×10^{-10} whereat precipitable material is caused to settle out, liming and carbonating the partially purified solution to a hydrogen ion concentration of about 5×10^{-11} to 10^{-12}, removing the resulting precipitate and subsequently further acidifying the solution and effecting a final removal of impurities at a hydrogen ion concentration of about 3×10^{-9} to 3×10^{-10}.

2,067,363
WELDER
Anton Waeschle, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 7, 1935, Serial No. 43,805
3 Claims. (Cl. 219—4)



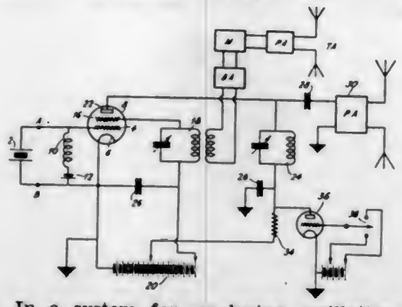
1. In a fluid controlled electric welder, the combination of an air cylinder and piston for forcing the electrodes together, means for returning the piston only through a short stroke and independent means for returning the piston optionally through a long stroke.

2,067,364
MANUFACTURE OF HYDROGEN PEROXIDE
Isaac Ephraim Weber and Victor Wallace Slater, Luton, England, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 29, 1932, Serial No. 635,446
In Great Britain October 14, 1931
3 Claims. (Cl. 202—73)



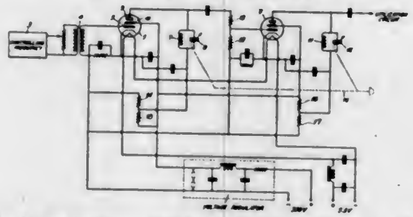
1. A process for producing hydrogen peroxide from a solution of persulphuric acid or a persulphate comprising the steps of first concentrating and hydrolyzing and then distilling said solution, wherein the concentration is discontinued when not more than half the persulphate or persulphuric acid has been hydrolyzed and the hydrolysis is completed, substantially without further evaporation of water, by steam distillation.

2,067,365
OSCILLATORY CIRCUIT
James N. Whitaker, Tuckahoe, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 19, 1932, Serial No. 599,946
14 Claims. (Cl. 250—36)



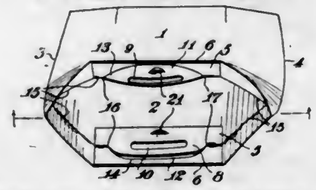
1. In a system for producing oscillations of constant frequency, a multi-electrode device having an anode, a cathode, a screen grid, and a control grid; a circuit coupled to said anode and cathode, means for polarizing said anode to a positive potential relative to said cathode, means for polarizing said screen grid to a higher positive potential relative to said cathode whereby oscillations are set up in said circuit coupled to said anode and cathode due to the negative resistance characteristic of said device; an oscillatory system coupled to said control grid and cathode for stabilizing the frequency of oscillations in said circuit coupled to said anode and cathode and an oscillatory circuit coupled between said screen grid and cathode and tuned to a frequency bearing a harmonic relation to the frequency of oscillations in said control grid circuit.

2,067,366
DYNATRON OSCILLATOR CIRCUIT
James N. Whitaker, Tuckahoe, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 1, 1933, Serial No. 659,111
5 Claims. (Cl. 250—36)



1. A harmonic generator comprising a first dynatron oscillator circuit and a second dynatron oscillator circuit, each of said dynatron circuits comprising an electron discharge device having anode, cathode, screen grid and control electrodes, means for applying to the anode, cathode and screen grid of each of said devices potentials of such values that each device has a negative resistance between its cathode and anode, an input circuit connected between the control electrode and cathode and providing a source of controlling frequency for said first device, an output circuit coupled to the anode of each device comprising a resonant tank circuit, each tank circuit comprising a reactor of such value that its associated output circuit is tuned to a frequency different from said controlling frequency and such that the quotient of the larger of the two frequencies divided by the smaller of the two frequencies is an integer, and means for coupling the output circuit of the first device to the control electrode of the second device.

2,067,367
CARRIER BAG
George Frederick Willetts and Albert Lacey Willetts, London, England
Application March 28, 1935, Serial No. 13,440
In Great Britain April 4, 1934
5 Claims. (Cl. 229—54)



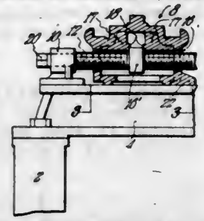
1. A flush top carrier bag comprising an envelope with two flat walls of equal depth so that the mouth edges coincide, said walls having at the centre coincident finger holes and around the holes coincident slits curved convexly to the mouth edges to form bridge pieces and to permit of the wall portions between the mouth edges and an imaginary line joining the ends of the slits to be folded down on to either wall portion below said line, and an outwardly and downwardly extending tongue formed in and as an integral part of one or each wall and disposed between and below the ends of the slits so as to be engageable over the inner edge of the bridge piece of the foldable wall portion when folded down on to the wall portion below said line in which the tongue is formed.

2,067,368
HYDROGENATION CATALYST AND ITS PREPARATION
Evan Clifford Williams and Sumner H. McAllister, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 23, 1935, Serial No. 12,736
10 Claims. (Cl. 23—236)

1. A process for the production of an active finely divided metallic catalyst which comprises incorporating a compound of a catalytic metal reducible by thermal decomposition with a liquid hydrocarbon which is substantially volatile at the temperature of operation and heating said mixture under a superatmospheric pressure at a temperature at which the metal compound is decomposed to an active metal catalyst, and using at least a part of the vapors of the volatile liquid hydrocarbon to sweep the gaseous decomposition products from the system.

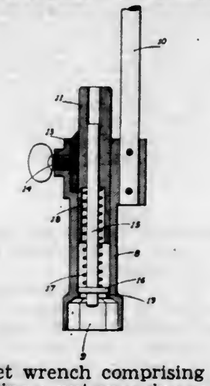
2,067,369
TENTER MACHINE
John H. Williams, Providence, R. I.
Application July 21, 1936, Serial No. 91,696
6 Claims. (Cl. 26—57)

1. The combination in a tenter machine of a cross member, a rail slidable thereon, a rotatable screw member, a nut in threaded engagement therewith propelled by said screw, and means associated with said rail slidably embracing said nut, whereby said rail is moved in one direction by said nut and is slidable relative to said nut



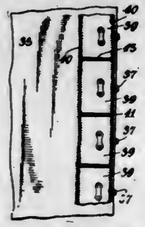
substantially transversely to the movement caused by said screw member.

2,067,370
SOCKET WRENCH
Herbert J. Woock, Lodi, Calif., assignor, by mesne assignments, to Super Mold Corporation of California, a corporation of California
Application September 9, 1935, Serial No. 39,689
6 Claims. (Cl. 81—53)



6. A socket wrench comprising a hollow body member having a nut engaging socket at its lower end, a pin disposed in the member above the socket and adapted to contact the end of a bolt whose nut is engaged by the socket, a sleeve slidable in the body member and slidably supporting the pin, graduations along one face of the sleeve, a combined clamping plate and pointer element mounted in the body member and projecting from the upper end thereof to read against the graduations, and means to releasably clamp said plate against said face of the sleeve.

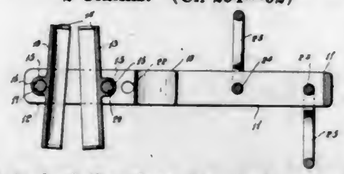
2,067,371
FASTENER MOUNT AND METHOD OF MAKING THE SAME
Robert T. Allis, Springfield, Mass.
Application November 14, 1934, Serial No. 752,934
12 Claims. (Cl. 2—265)



4. The combination with a garment section of flexible and resilient fabric, of interrupted fastener-supporting means of flexible but non-resilient material imposed on said section, and

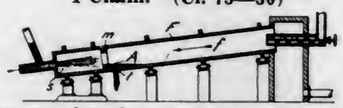
means to connect the members of said supporting means to admit of bodily movement of said members in response to expansion and contraction of the fabric of said section.

2,067,372
PIPE HOLDER AND PULLER
William E. Andrews, Hurley, S. Dak.
Application December 12, 1935, Serial No. 54,118
2 Claims. (Cl. 294—92)



1. A tool of the class described, comprising a lever having spaced arms, jaws facing each other disposed between said arms and extending above and below the arms, pivot members connecting said jaws to said arms, said jaws having barrels disposed transversely thereof on their outer sides through which the pivot members pass, said pivot members and barrels mounting the jaws offcenter so that by gravity they are urged closer together at their upper ends than at the lower ends, gripping means on opposite ends of said jaws, and said arms having a series of openings selectively accommodating one of said pivot members.

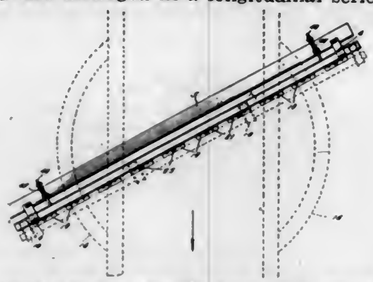
2,067,373
PROCESS FOR THE MANUFACTURE OF IRON OR STEEL AND PORTLAND CEMENT IN A ROTARY FURNACE
Lucien Paul Basset, Paris, France
Application July 24, 1933, Serial No. 682,010
In France July 25, 1932
1 Claim. (Cl. 75—30)



A process for the simultaneous manufacture of iron or of its carburetted compounds and of Portland cement or hydraulic lime, which process consists in introducing in a rotary furnace a mixture comprising oxidized iron ore to be reduced, coal for reduction and carburation, and additional materials usually calcareous and necessary for the formation of a slag corresponding to the composition of Portland cement or hydraulic lime, said furnace being heated by a flame of coal dust burning in the proportion of air necessary for producing oxide of carbon in an amount sufficient for preventing reoxidation, the process further consisting in maintaining the temperature within the furnace so high that iron oxide is completely reduced and fused, so that the fluxing action normally performed by this oxide does not take place, solid cement clinkers which are not overburned and which are free from sesquioxide of iron are formed, and the reduced iron is entirely eliminated from the clinker and accumulates in the lower part of the furnace.

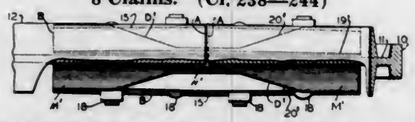
2,067,374
ROAD SCRAPER
Fitch H. Beach and Fred S. Beach, Charlotte, Mich.
Application December 10, 1935, Serial No. 53,813
3 Claims. (Cl. 37—143)

1. In a road scraper, the combination with a mold board suitably supported from a vehicle, a blade carrying plate secured to the mold board at one side thereof, a plurality of cutting and scarifying blades secured to the blade carrying plate and spaced forwardly from said plate, said blades being also arranged in a longitudinal series and



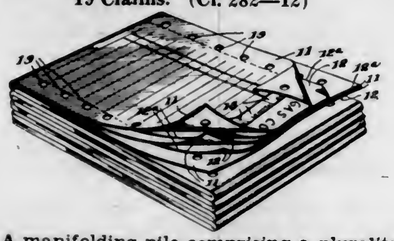
relatively spaced from one another, a single continuous smoothing blade following the first named blades, and resilient straps connecting the smoothing blade to the mold board for supporting the same in an upstanding forwardly inclined position.

2,067,375
SHIMMED RAIL JOINT
Charles W. Breed, Western Springs, and George R. Burkhardt, Chicago, Ill.
Application January 14, 1935, Serial No. 1,790
Renewed August 5, 1936
8 Claims. (Cl. 238—244)



1. A rail joint including the rails, the splice bar, an upper shim element including a lateral portion interposed between the under sides of the rail heads and the top of the splice bar, said lateral portion being of maximum width medially and of decreasing width toward its ends, and a lower shim element including a lateral portion interposed between the upper faces of the rail flanges and the bottom face of the splice bar, the said lateral portion of said lower shim being of maximum width at its ends and of decreasing width toward its middle.

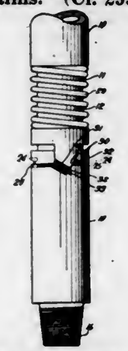
2,067,376
MANIFOLDING
Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a company of New Jersey
Original application January 28, 1929, Serial No. 335,402. Divided and this application October 23, 1929, Serial No. 401,897
19 Claims. (Cl. 282—12)



1. A manifolding pile comprising a plurality of superposed continuous work sheet strips; and a continuous carbon sheet strip of the same length

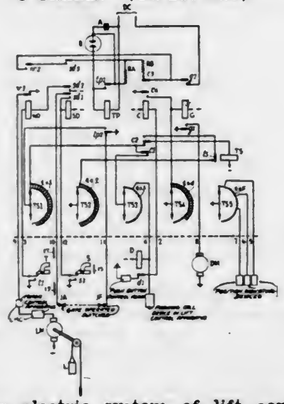
interposed between each two adjacent work sheet strips, the work sheet strips having at each side margin a row of circular holes, and the carbon sheet strips being of such width that each side edge thereof is tangent to the holes of the adjacent row of holes in the work sheet strips.

2,067,377
SAFETY JOINT
Erwin Burns and Harry P. Wickersham, Los Angeles, Calif.
Application April 2, 1935, Serial No. 14,243
9 Claims. (Cl. 255—28)



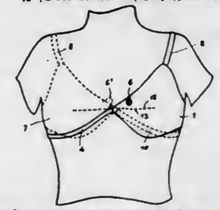
1. A safety joint including a tubular member carried at the upper end of a string of pipe, a mandrel carried at the lower end of a complementary string of pipe, means producing a positive threaded engagement between the mandrel and the tubular member, means for positively driving the tubular member in one direction by the mandrel when said members are in the aforesaid assembled and threaded position, and separate lock means for temporarily holding the mandrel and the tubular member in their locked position when the mandrel is rotated in a counter-direction until a predetermined torque force has been exerted thereon.

2,067,378
ELECTRICAL SYSTEM OF LIFT CONTROL
Alexander Albert Chubb, Coventry, England, assignor to The General Electric Company Limited, London, England
Application March 21, 1935, Serial No. 12,332
In Great Britain March 26, 1934
8 Claims. (Cl. 187—29)



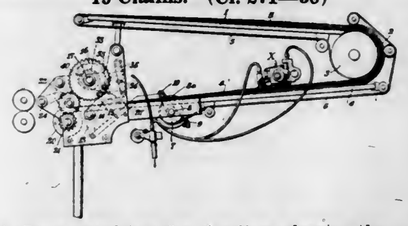
1. In an electric system of lift control, the combination, with a motor operated lift, of a gas discharge tube, a condenser, resistance for effecting delay periods and a D. C. source, a switch arranged to connect said discharge tube, condenser and resistance to the current source, the tube being in a state of relaxation when the switch is open, means arranged to be operated when stopping the lift at a floor for closing said switch so as to charge the condenser from said source, an impulse relay in series with the tube and condenser and arranged to be operated by discharge of the condenser, said condenser discharging when the tube strikes, circuits and relays for stopping the lift at a floor and means cooperating therewith for preventing movement of the lift to another floor until said impulse relay is operated.

2,067,379
BRASSIÈRE COMPOSED OF TWO INDEPENDENT POCKETS
Lucia Cristofanetti, Paris, France
Application June 28, 1935, Serial No. 28,800
In France August 23, 1934
2 Claims. (Cl. 2—42)



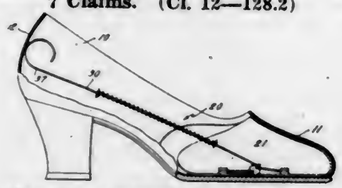
1. A brassière consisting of two separate pieces, each piece comprising a pocket for supporting one of the breasts of the wearer, said pocket having a top portion and two side portions; a strap having one end attached to the upper portion of said pocket and being adapted to pass over the shoulder of the wearer, another strap having one end attached to one of the side portions of said pocket, the second-mentioned strap being elastic, means carried by the opposite ends of said straps for detachably interconnecting said opposite ends, and a third strap having one end connected with the other one of said side portions of the pocket, the opposite end of the last mentioned strap being attached to the first-mentioned strap.

2,067,380
SHEET FEEDING MACHINE
Leonard H. Cross, Port Washington, N. Y., assignor to Cross Paper Feeder Company, Boston, Mass., a corporation of Massachusetts
Application March 18, 1936, Serial No. 69,431
15 Claims. (Cl. 271—38)



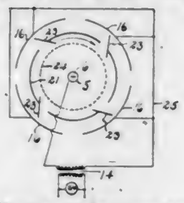
1. In a machine for feeding sheets, the combination with a sheet support, and mechanism for advancing a bank of sheets upon said sheet support, of sheet delivery mechanism, feed-off devices adapted to move successive sheets from the bank to said delivery mechanism, and means actuated by the movement of the feed-off devices for controlling the bank advancing mechanism.

2,067,381
SHOE FORM
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application March 3, 1936, Serial No. 66,831
7 Claims. (Cl. 12—128.2)



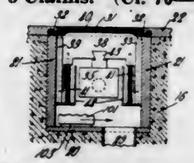
1. A shoe form comprising a toe member and a back member, said toe member being insertable in the toe of the shoe and said back member serving to hold the toe member in position, said back member comprising two sections relatively movable parallel to each other, the forward end of one section being joined to the toe member and the rearward end of the other section bearing upon the heel counter of the shoe, and yielding means connecting the other ends of the sections whereby the back member exerts yielding pressure against the toe member and the heel counter.

2,067,382
SYNCHRONOUS ELECTRON MOTOR
Allen B. Du Mont, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J., a corporation of Delaware
Original application January 31, 1930, Serial No. 425,025. Divided and this application March 25, 1935, Serial No. 12,854
9 Claims. (Cl. 172—36)



1. In combination an electron emitting cathode, a rotor to be rotated by emitted electrons, means for causing said rotor to rotate under control of said electrons, and means for controlling the starting of said rotor.

2,067,383
LOCK
Charles K. Ernst, Buffalo, N. Y.
Application December 18, 1934, Serial No. 758,048
5 Claims. (Cl. 70—31)



2. A safe having a compartment closed by a member slidably arranged on a wall of the safe and having a groove on the inner face thereof extending transversely of the direction of sliding movement of the closing member, a locking bolt in the form of a substantially flat plate arranged to move into said groove, means for yieldingly urging said bolt into locking position in said groove, and a lock for moving said bolt out of said groove into opening position, against the action of said yielding means.

2,067,384
COMPOSITION FOR PREVENTING VAPOR LOCK IN INTERNAL COMBUSTION ENGINES
John Howard Essick, Erie, Pa.
No Drawing. Application August 20, 1935, Serial No. 37,098
1 Claim. (Cl. 44—9)

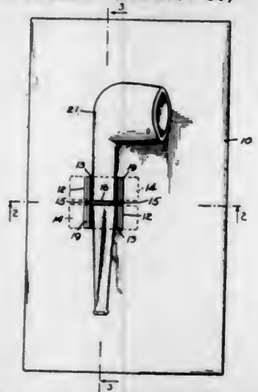
A composition to be added in small amounts to hydrocarbon internal combustion engine fuel for eliminating vapor lock conditions in internal combustion engines consisting of the following ingredients taken in the appended approximate proportions for the production of a fifty gallon batch:

Kerosene	gallons	27	ounces	44
Oil of mirbane (U. S. P.)	gallons	5	ounces	60
Oil of creosote (U. S. P.)	gallons	10	ounces	120
Turpentine	gallons	2	ounces	44
Oil of cedar wood	gallons	2	ounces	44
Camphorated oil	gallon	1	ounces	72

2,067,385
ETHERS AND PROCESS FOR PRODUCING THE SAME
Theodore W. Evans and Edwin F. Bullard, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 26, 1934, Serial No. 722,567
19 Claims. (Cl. 260—151)

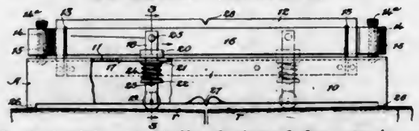
16. An aliphatic secondary ether of a polyglycol.

2,067,386
ARTICLE SUPPORT
James M. Frowenfeld, Long Island City, and Herman Harry Hutt, Brooklyn, N. Y.
Application December 7, 1934, Serial No. 756,416
4 Claims. (Cl. 206—80)



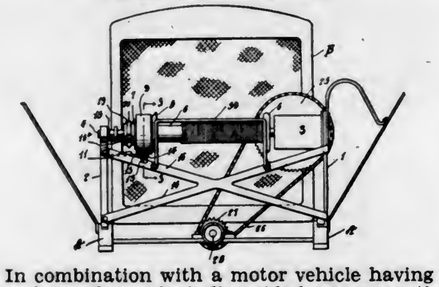
1. An article support, comprising upright walls, converging relatively adjustable walls to conform to and provide a rest for the article extending from said upright walls and a flexible retaining member engaging the converging walls and bridging the gap between the spaced sides of the adjustable walls to embrace the article resting upon the latter.

2,067,387
RAIL GRAPH PRODUCING DEVICE
William Eyre Gadd, Glenolden, Pa., and Horace L. Lansing, Rutherford, N. J., assignors to The Rail Joint Company, New York, N. Y., a corporation of New York
Application April 18, 1933, Serial No. 666,762
10 Claims. (Cl. 234—1)



3. A device especially designed for use in producing graphs indicating the condition of the tops of railway rails, said device comprising an elongated base of inverted U-shaped cross section to be supported in a fixed position upon the tops of the rails, said base having an elongated slot in its top wall extending longitudinally of the base, a recording strip supported on said base, an arm extending through the slot of said base for engagement with the rail top surface, said arm being movable along said slot and also in a direction normal to its first mentioned direction of movement in response to irregularities in the surface, means to hold said arm against rocking movement, and a recording strip marking element carried by said arm, said arm having flat side faces engaging the edges of the walls defining said slot to hold said arm against rotation.

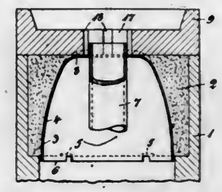
2,067,388
POWER WINCH ATTACHMENT FOR MOTOR VEHICLES
Eugene Garner, Jr., Hebbronville, Tex.
Application September 17, 1931, Serial No. 563,387
Renewed June 16, 1936
1 Claim. (Cl. 254—166)



In combination with a motor vehicle having a supporting frame including side bars, supporting brackets secured to said side bars, a reel, means journaling said reel on said supporting brackets, a brace member secured to said brackets, an inverted U-shaped rope guide secured at its extremities to said brace member to support the loose end of a rope wound on said reel, and a shaft driven by the vehicle motor and geared to said reel.

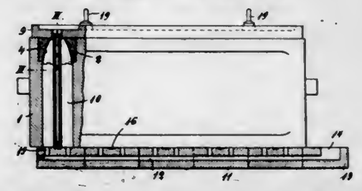
2,067,389
METHOD OF AND MEANS FOR PRODUCING HOLLOW BILLETS FOR HOLLOW DRILLS AND THE LIKE
Claes Joel Gejrot, Bofors, Sweden, assignor to Aktiebolaget Bofors, Bofors, Sweden, a limited company of Sweden
Application November 14, 1933, Serial No. 697,987
In Sweden November 19, 1932
10 Claims. (Cl. 22—140)

1. The method of producing tubular bodies by casting, which comprises inserting a tube, adapted to become welded to the cast metal, into a mould, arranging a discard head box into the upper part of said mould around the top end of said tube in such a way that it, with the exception of a hole for the tube and necessary vent



openings, closes the mould at the top, centering the projecting top end of the tube by placing a cover on the mould, said cover having a hole for receiving the top end of said tube and necessary vent openings, and then pouring molten metal from below into said mould around said tube.

2,067,390
MEANS FOR PRODUCING HOLLOW BILLETS FOR HOLLOW DRILLS AND THE LIKE
Claes Joel Gejrot, Bofors, Sweden, assignor to Aktiebolaget Bofors, Bofors, Sweden, a limited company of Sweden
Application July 23, 1934, Serial No. 736,584
In Sweden July 29, 1933
5 Claims. (Cl. 22—121)

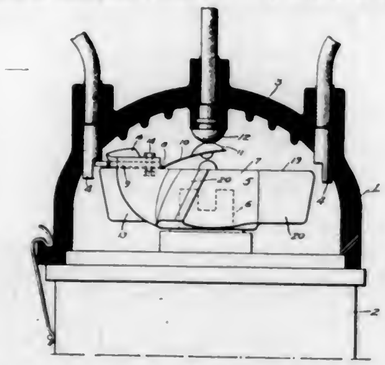


1. Means for casting tubular bodies comprising, in combination, a mould having inlet openings at its bottom, a heat insulated discard head box made of sheet metal arranged in the upper part of the mould chamber, a tube inserted into said mould with its upper end extending slightly into the lower part of said discard head box, means for positioning the lower end of said tube at the bottom of said mould chamber, a centering member for the top end of said tube arranged on top of the tube and constituting an extension of cheaper material of the tube proper, said discard head box being tapered upwards towards its top and arranged to bear, at its bottom against the walls of said mould chamber and with its upper end against said tube extensions which box, with the exception of vent openings arranged therein, closes the mould at the top.

2,067,391
ROTOR FOR DISTRIBUTORS OR THE LIKE
Francis R. Good, Wynnewood, Pa., assignor of thirty-three and one-third per cent to Frederick H. Shaw, Glenside, Pa., and thirty-three and one-third per cent to Thomas J. Mullaney, Philadelphia, Pa.
Application June 10, 1935, Serial No. 25,956
8 Claims. (Cl. 200—21)

1. A rotor for an ignition current distributor, comprising a rotatable insulating body, a contact element carried by said body and adapted to cooperate successively with the stationary contacts of the distributor, and means on said

rotor for directing a stream of air toward the current juncture of said element and a cooperating stationary contact in a direction to blow

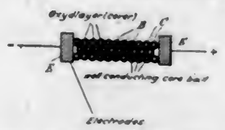


the current arc at said juncture away from said element and said contact, whereby burning of said element and said contact is substantially prevented.

2,067,392
TREATMENT OF UNSATURATED MONOHALIDES
Herbert P. A. Groll, Oakland, and George Hearne, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 27, 1934, Serial No. 722,728
17 Claims. (Cl. 260—157)

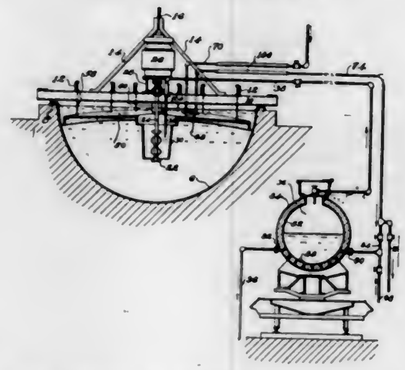
1. A process for the treatment of unsaturated monohalides which comprises effecting the reaction of an unsaturated monohalide containing at least four carbon atoms, an olefinic linkage between two aliphatic carbon atoms, and the halogen atom linked to a saturated carbon atom with a reactant of the class consisting of an aqueous solution of a hypohalogenous acid, a preformed aqueous solution of a halogen in the substantial absence of undissolved halogen, and an aqueous mixture of an organic hypohalite containing an alkyl group contiguous to the hypohalite radical.

2,067,393
ARRANGEMENT FOR AMPLIFYING ALTERNATING CURRENTS
Erich Habann, Berlin-Hessenwinkel, Germany
Application January 6, 1934, Serial No. 705,636
In Germany January 13, 1933
7 Claims. (Cl. 201—76)



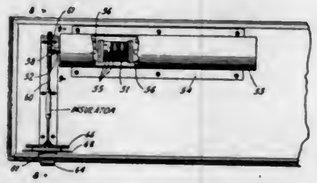
1. A negative resistance element comprising a plurality of cores made of a material which is a good conductor of heat and electricity, and covers adhering to said cores, such covers being of a material which has a negative resistance and conducts heat and electricity, but not so well as said cores, the particles of said element being under compression to such an extent that a decreasing volt-ampere characteristic will result upon the increase of a current passing through said element.

2,067,394
METHOD AND APPARATUS FOR TREATING MOLTEN METAL WITH GAS
Arthur E. Hall, Omaha, Nebr., assignor to United States Smelting, Refining & Mining Company, Portland, Maine, a corporation of Maine
Application December 20, 1933, Serial No. 703,236
19 Claims. (Cl. 75—78)



1. The method of treating molten metal with a gas which consists in causing the metal to circulate in downwardly and upwardly flowing streams, discharging the gas into the downwardly flowing stream, and segregating from the upwardly flowing stream and beneath the surface of the molten metal the products of the reaction.

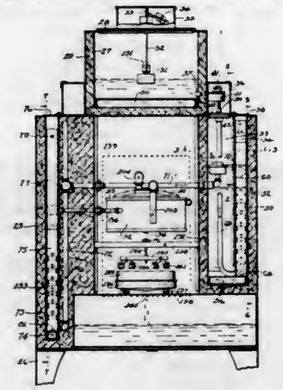
2,067,395
RADIO APPARATUS
Erle H. Hand, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application July 9, 1930, Serial No. 466,680. Divided and this application February 14, 1935, Serial No. 6,496
8 Claims. (Cl. 171—119)



1. In an inductance changing system, a rotatable form, a plurality of inductances supported in axially spaced relation on said form, contacts on said form connected with each of said inductances, fixed contacts adjacent said form, and means for moving said form to make contact between said fixed contacts and selected ones of said contacts on said form.

2,067,396
OIL RECLAIMER
Frank A. Headson, Milwaukee, Wis.
Application October 18, 1933, Serial No. 694,047
6 Claims. (Cl. 196—16)

1. In an oil reclaimer, a still for removing volatile matter from oil, ventilating means for said still, and means influenced by still temperature to control said ventilating means and to insure operation of said ventilating means at

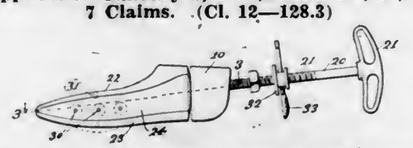


any temperature of the still above a predetermined value.

2,067,397
METHOD FOR THE PREPARATION OF WETTABLE SULPHUR
Arthur H. Henninger, St. Albans, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application December 29, 1932, Serial No. 649,322
2 Claims. (Cl. 252—6)

1. The method for making wettable sulphur which comprises vigorously rubbing together a major portion of relatively finely divided inherently non-wettable sulphur and a relatively small amount of evaporated residue from the sulphite digestion of wood in quantity at least sufficient to render the sulphur wettable and readily suspensible in an aqueous solution, said rubbing being carried out under conditions such that friction resulting from the rubbing of the particles together generates heat enough to substantially evaporate liquid contained in the sulphite residue to thereby produce a substantially dry pulverulent wettable sulphur.

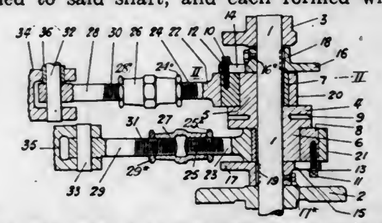
2,067,398
SHOE STRETCHER
Paul W. Hornaday, Pomona, Calif.
Application January 2, 1936, Serial No. 57,210
7 Claims. (Cl. 12—128.3)



1. In a shoe stretcher, a plurality of segments, the division lines between said segments being disposed in planes that occupy angular positions of approximately 45° relative to vertical and horizontal planes, a base, and a resilient member connecting each segment to said base.

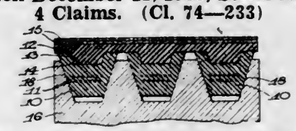
2,067,399
ECCENTRIC FOR OPERATING SLIVER RUBBING DEVICES
John Hughes, Rochdale, England
Application July 28, 1934, Serial No. 737,368
In Great Britain July 29, 1933
1 Claim. (Cl. 74—571)

In an eccentric mechanism for operating sliver rubbing devices, a rotary shaft, an integral block mounted on said shaft and formed with a collar engageable by means for effecting angular adjustment of said block on said shaft, and also formed with two equal and opposite inner eccentrics extending from opposite faces of said collar, two outer eccentrics embracing said inner eccentrics, said outer eccentrics being of equal eccentricity to said inner eccentrics, two eccentric straps surrounding said outer eccentrics respectively and integral with parts of eccentric rods for transmitting reciprocating movements to the rubbing devices, two plates applied to said shaft, one at each end of said block, said plates being splined to said shaft, and each formed with a



radial slot, said slots extending oppositely from the axis of said shaft, means for securing said plates to said shaft for adjustment lengthwise of said shaft, and two headed set-screws penetrating said slots and threaded into said outer eccentrics, the heads of said set-screws bearing on said plates in the operative condition of said mechanism and being adapted to be freed from said plates by slackening said set-screws to permit angular adjustment of said block relatively to said shaft to any chosen point within an angular range of 360° and corresponding radial movement of said outer eccentrics relatively to said shaft to effect equal and simultaneous variation of the eccentricity of said outer eccentrics.

2,067,400
TRANSMISSION BELT
Harry Koplin, New York, N. Y., and Thomas S. Watson, Milwaukee, Wis.
Application December 11, 1933, Serial No. 701,852
4 Claims. (Cl. 74—233)

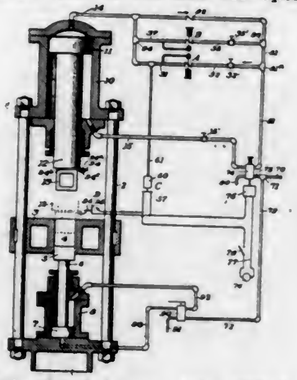


3. A transmission belt comprising a plurality of traction elements adapted to engage a multiple-grooved pulley, a substantially inextensible, flexible, tension-transmitting band for said traction elements, and an elastic soft rubber body interposed between said band and each traction element and bonded to said band and traction element.

2,067,401
METHOD AND APPARATUS FOR THE PRESSING OF PLASTIC AND DRY COMPOSITIONS
Benjamin Lassman, Pittsburgh, Pa., assignor to Hydraulics, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1932, Serial No. 625,345
25 Claims. (Cl. 25—91)

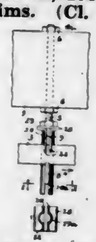
6. Apparatus for molding granular mixes and the like comprising a press having a cylinder and a plunger, a fluid pressure supply line, a normally open pressure closed valve in said line responsive to pressure on the cylinder side of the line for closing said valve at a predetermined

maximum, a normally closed pressure operated valve in said line connected in parallel with said first valve and responsive to pressure on the cylinder side of the line for opening at a



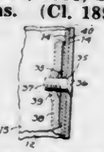
predetermined minimum, and means operable for relieving pressure on the cylinder side of the line, said second valve being of the type which gradually opens from the closed to the fully opened position.

2,067,402
HEDDLE FRAME
Charles E. A. Lausberg, Haledon, N. J.
Application March 29, 1935, Serial No. 13,617
2 Claims. (Cl. 139—92)



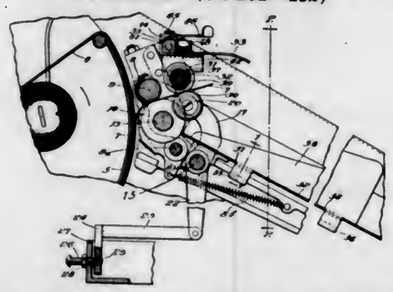
1. In a heddle frame, the combination of a fixed member to be affixed to a rail of the frame and having a shank and a projection extending laterally from the shank, and a bifurcated slide having a lateral projection and being penetrated by and movable along the shank and having the latter between and the first projection extending from between the extremities of its bifurcated portion, said extremities being closely related to and one of them having an inner channel receiving the shank and one projection having a hook extending toward the other and adapted to lap a heddle bar interposed between the projections.

2,067,403
METAL BUILDING CONSTRUCTION
William C. Lea, Los Angeles, Calif.
Application August 31, 1933, Serial No. 687,614
4 Claims. (Cl. 189—1)



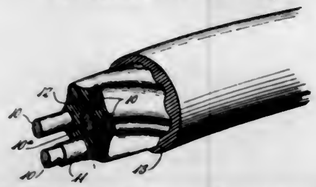
1. A metal building construction embodying: a plurality of vertical and horizontal metal sections interfitted to form a frame, said sections having alined holes at their junction points and interfitting projections on said sections associated with said holes for carrying the shear stresses between adjoining sections; bolts extending through said alined holes; and nuts on the inner ends of said bolts engaging the inner faces of said projections, said nuts having extending corner points adapted to engage and grip the surface of an engaged section.

2,067,404
SHEET STRIPPING AND SLITTING MEANS FOR DUPLICATING MACHINES
Alfred Marchev, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application October 14, 1935, Serial No. 44,922
10 Claims. (Cl. 101—132)



1. In a duplicating machine of the character described, a duplicating drum, upper and lower stripping rollers for stripping sheets from said drum, and means to prevent the sheets from winding on the lower roller comprising guide fingers between the ends of said lower roller on the side thereof opposite the drum, said lower roller being provided with spaced annular grooves into which said guide fingers project to guide the stripped sheets away from said lower roller one of said guide fingers having sheet cutting means thereon.

2,067,405
RUBBER IMPREGNATED METAL CABLE AND METHOD OF MAKING SAME
Robert Mayne, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 5, 1934, Serial No. 733,813
10 Claims. (Cl. 117—2)



1. The method of making a flexible tension element which comprises forming a metal cable, thereafter depositing a coating of rubber-adherent metal thereon, filling the interstices between the wires of the cable with a rubber composition, and vulcanizing the resulting structure.

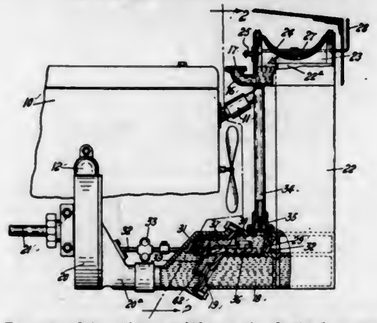
2,067,406
ASH RECEIVER
Edward F. McDonald, Buffalo, N. Y.
Application November 3, 1934, Serial No. 751,372
11 Claims. (Cl. 131—51)

8. An ash receiver, comprising a receptacle having an opening and a closure for said opening having a pair of coplanar sections, means mounting said sections for rocking movement, and a member mounted on one of said sections



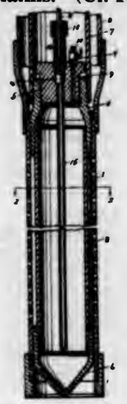
formed with a curved portion for engaging the surface of the other section whereby actuation of said member rocks both sections.

2,067,407
COOLING SYSTEM FOR MOTORS
Williams G. Milligan, Akron, Ohio
Application April 8, 1933, Serial No. 665,060
15 Claims. (Cl. 123—174)



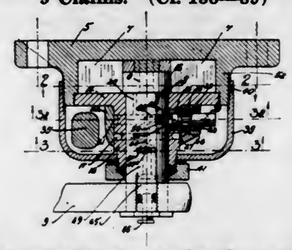
1. In combination with a jacketed motor, a normally sealed fluid circulating system, including a fluid cooling radiator, means for circulating the fluid through said jacket and radiator, means for receiving and condensing vapor formed in said system, and means for returning the condensate to the circulating fluid comprising valve means actuated by the condensate for interrupting the fluid circulation through said jacket and radiator and to permit the return of the condensate to the circulating fluid.

2,067,408
APPARATUS FOR CLEANING WELLS
Ira A. Morris, Fort Worth, Tex., assignor to Paul R. Robb, Duncan, Okla.
Application March 15, 1935, Serial No. 11,340
5 Claims. (Cl. 102—4)



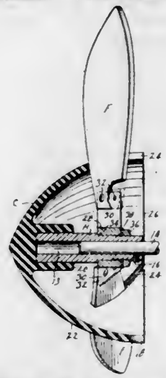
1. Apparatus for cleaning a well screen in a well bore including an elongated tubular container having a closed chamber containing an explosive charge, said container being weakened along substantially longitudinal lines extending from end to end of the container, a primer container in said chamber, having a primer charge therein, a percussion cap arranged to fire said primer charge, a supporting tube for lowering the container into said screen, said cap being located so as to be fired by an impact member dropped through said tubing.

2,067,409
INERTIA CONTROLLED HYDRAULIC SHOCK ABSORBER
Wolfgang C. Muller, Cincinnati, Ohio; Erna Francesca Muller executrix of Wolfgang C. Muller, deceased
Application December 19, 1932, Serial No. 647,854
9 Claims. (Cl. 188—89)



1. In a hydraulic shock absorber comprising a weight and a valve operated by said weight, a cylinder, a piston operated by said weight inside of said cylinder, an inlet and outlet passage connected to said cylinder, means operable from the outside of the shock absorber for adjusting the resistance to liquid entering and leaving said cylinder through said passage.

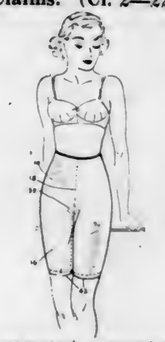
2,067,410
FLEXIBLE BLADE FAN
Eugene Newnham, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application February 18, 1936, Serial No. 64,513
14 Claims. (Cl. 170—173)



1. A flexible blade fan comprising a hub, a plurality of blades each formed of material sufficiently flexible upon striking an object to bend and of itself to re-assume its original position without permanent distortion, and sufficiently rigid that during rotation it will maintain its pitch for the purpose of air delivery, said blades having their inner ends secured to said hub and

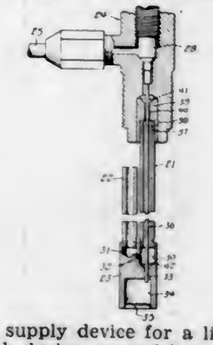
a cap connected with said hub, said cap having slots to receive said blades at points spaced outwardly from their inner ends, said slots being arranged at the desired pitch angle relative to the axis of rotation of the cap.

2,067,411
BLOOMER UNDERGARMENT FOR WOMEN AND GIRLS
Ruth Fontaine Peck, Minneapolis, Minn., assignor to Winget Kickernick Company, Minneapolis, Minn., a corporation
Application September 17, 1934, Serial No. 744,322
3 Claims. (Cl. 2—224)



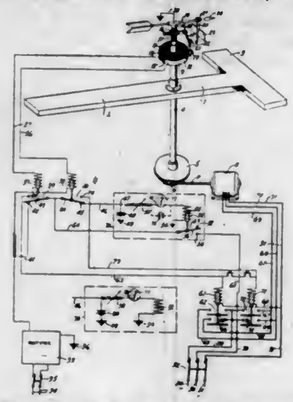
3. A bloomer garment comprising a back and a front having an uncut portion adjacent the crotch, crotch insert members sewed to the front and back to extend between said front and back at the legs and along the crotch, each of said insert pieces provided with an extension overlying a portion of the uncut front of the garment sewed thereto and to each other to form extra reinforcement at the front of the crotch, the lower edges of said insert members forming a continuation of the bottom margins of the legs.

2,067,412
LIQUID FUEL STOVE
George E. Pickup, Newark, Ohio, assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio, a corporation of Ohio
Application June 2, 1932, Serial No. 614,901
12 Claims. (Cl. 158—81)



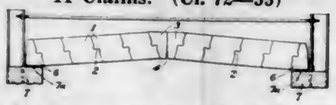
1. A fuel supply device for a liquid fuel stove starter, said device comprising a valve fitting having a passage therethrough and adapted to be secured in the top of a liquid fuel tank, a first tube communicating with said passage and projecting downwardly from said fitting, a second tube located beside said first tube and terminating short of the upper end of said first tube, a connecter joining and providing for communication between the lower ends of said tubes, said connecter having a bore therethrough alined with said first tube, a wire in said bore to reduce its effective area, and means in said fitting above said first tube cooperating with said wire to provide a section of reduced area in said passage.

2,067,413
TIME DELAY POWER CONTROL SYSTEM AND APPARATUS
Ross J. Plaisted, Brecksville, Ohio, assignor to Aircraft Service, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 22, 1934, Serial No. 749,498
4 Claims. (Cl. 175—320)



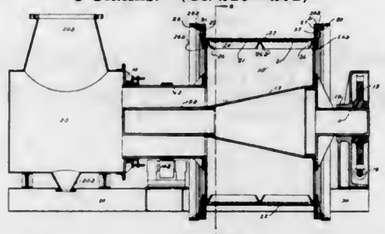
1. An electric system for effecting operation of a first electro-magnetic switch in response to movements of a two-position switch, comprising a normally unoperated electro-magnetic switch controlling energization of the first switch jointly with the two-position switch in one position thereof, an electric energy storage means, circuit means and a control current source for energizing the normally unoperated switch in parallel with the energy storage means to operate the normally unoperated switch and hold it operated under control of the two-position switch in its other position, whereby when the two-position switch moves to said other position, the normally unoperated switch will be operated and held operated and the energy storage means will be charged and remain charged, and the first switch will be restored or remain unoperated, and when the two-position switch moves to the said one position, the energy storage means will discharge through the winding of the normally unoperated switch and permit it to move to unoperated position after a predetermined time interval, whereupon the first electro-magnetic switch may operate under joint control of the normally unoperated switch and of the said two-position switch in the said one position thereof.

2,067,414
ARCH AND ARCH BLOCK
George P. Reintjes, Kansas City, Mo.
Application March 18, 1935, Serial No. 11,672
11 Claims. (Cl. 72—55)



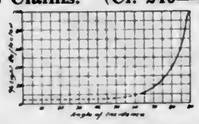
11. A block provided with a lug at one of its ends extending horizontally across the full width of the block and dividing the end of said block into upper and lower faces, said lug extending outwardly beyond the planes of both of said faces, and a socket in the other end of the block complementary to the lug-provided end of said block.

2,067,415
CONTINUOUS ROTARY FILTER
Clinton S. Robison, Chicago, Ill., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada
Application December 14, 1931, Serial No. 580,775
5 Claims. (Cl. 210—201)



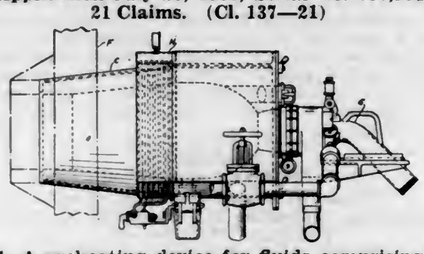
1. In a vacuum extractor, in combination with a rotary drum having radially extending flanges at its ends, a trough having a discharge chute movable therewith, said trough and chute being mounted to tip on an axis parallel to the axis of said drum, and means for tipping said trough and chute.

2,067,416
LUMINAIR
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application May 27, 1931, Serial No. 540,226
8 Claims. (Cl. 240—1)



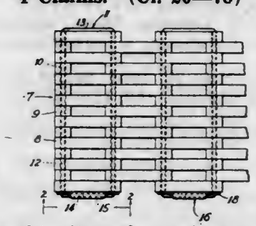
1. A luminair comprising a light source and a plurality of curved, annular reflecting surfaces adapted to receive light from the light source at the same high angle of incidence for all points on each reflecting surface, whereby the angle of reflection is high and the reflected light is projected away from the light source with small change in direction.

2,067,417
APPARATUS FOR PREHEATING FLUIDS
Webster I. Sallee, Cleveland, Ohio
Application July 26, 1934, Serial No. 737,134
21 Claims. (Cl. 137—21)



1. A preheating device for fluids comprising a plurality of reservoirs, a fluid feed conduit, a discharge conduit, a drain, valve means associated with said reservoirs and operable to connect any number of said reservoirs in series with each other and with the feed conduit, and to connect only the last reservoir in the resulting series to said discharge conduit and to connect with the drain the reservoirs which are disconnected from the resulting series.

2,067,418
MAT
Paul S. Schildknecht, Los Angeles, Calif., assignor to Eugene F. McClung, Huntington Park, Calif.
Application February 19, 1936, Serial No. 64,661
4 Claims. (Cl. 20—78)



1. The combination of a mat comprising a series of separate elements having alined openings, a wire passed through said openings and binding the elements in articulate relation, ends of the wire being exposed at an edge of the mat, and a clip having spaced pairs of flanges, having a plate between said pairs of flanges, and having apertured heads projecting in opposite directions from the flanged portions, the wire being passed through said apertures in the heads and the ends of the wire being respectively gripped at opposite ends of the plate by the respective pairs of flanges.

2,067,419
OPHTHALMIC MOUNTING
Wayne S. Searles, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a corporation of Rhode Island
Application November 20, 1934, Serial No. 753,868
5 Claims. (Cl. 88—47)

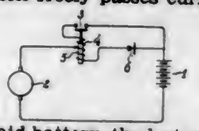


1. In an ophthalmic mounting, a securing pin and a socket through which it extends, said socket being provided with a slot, a rotatable locking member in said socket provided with a pin receiving opening eccentric to its axis of rotation, and a handle on said member extending out through said slot.

2,067,420
BATTERY CHARGING SYSTEM
Edwin W. Seeger and Frank J. Russell, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 14, 1935, Serial No. 36,066
4 Claims. (Cl. 171—314)

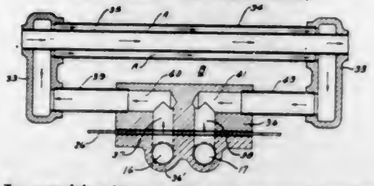
2. In combination, a storage battery, a generator, normally open charging connections therebetween, electroresponsive means controllable by unidirectional current for automatic op-

eration to complete said connections and to interrupt said connections, and other connections between said generator and said battery including a rectifier which freely passes current from said



generator to said battery, the last mentioned connections and the first mentioned connections affording control circuits for said electro-responsive means.

2,067,421
COOLING APPARATUS
Fabio Sergardi, Lansing, Mich., assignor to Reo Motor Car Company, a corporation of Michigan
Application May 29, 1933, Serial No. 673,391
4 Claims. (Cl. 123—196)



1. In combination with an internal combustion engine having a cylinder block, a pressure lubricating system for supplying lubricant to the engine bearings and a pump for supplying cooling fluid under pressure to said cylinder block, a casing positioned partially in said cylinder block in communication with said pump and the interior of said cylinder block, a pair of spaced hollow headers in said casing, a cluster of tubes extending between said headers and consisting of pairs of tubes arranged one within the other, each tube of each pair being spaced from the other to provide one passage between the walls thereof and another passageway within the inner tube, the outer tube of each pair terminating within each of the hollow headers in open communication with the interiors thereof, and the inner tube of each pair extending through each of the headers to the exteriors thereof, means carrying the cooling fluid to said inner tubes, means carrying the lubricant to one of said headers and thence to said passageway between the tubes, conduit means between the interior of said casing and said cylinder block, and means connected to the interior of the other header for conveying the cooled lubricant to the engine bearings.

2,067,422
STRAW SEPARATOR
Samuel Severson, Valders, Wis., assignor of one-fourth to Albert C. Severson, Valders, Wis., and one-half to John Stahl, Chilton, Wis.
Application September 30, 1935, Serial No. 42,846
1 Claim. (Cl. 183—88)



An air and straw separator for a feed cutter comprising a hollow drum including a cylindrical top portion and a depending funnel portion, an inner eccentrically disposed wall arranged within the cylindrical portion gradually decreasing in depth and extending partially about the cylindrical portion, the cylindrical portion having a tangentially disposed blower inlet arranged substantially adjacent to the deepest portion of said inner wall, an inwardly directed spiral flange formed on the lower edge of the inner wall, said spiral flange gradually increasing in width toward its lowermost portion and the deepest portion of said inner wall, the narrowest portion of said flange being substantially diametrically opposite the inlet, and a flat top plate connecting the upper edge of the inner wall with the upper edge of the cylindrical top portion of the drum.

2,067,423
GLIDER
Clement J. Sohn, Lansing, and Arthur J. Davis, East Lansing, Mich.
Application November 7, 1935, Serial No. 48,634
12 Claims. (Cl. 244—16)



1. Glider mechanism comprising a harness adapted to be secured to the body of a person, a pair of quadrant shaped wings pivotally supported upon the harness within the axillae of the wearer, each wing secured adjacent to its trailing edge by the harness to the body of the wearer at the waist, said wings adapted to fold against the body of the wearer or to be unfolded underneath the horizontally outstretched arms of the wearer, and yieldable means normally tending to hold said wings in their folded position.

2,067,424
GLOVE
Irwin Steinberger, New York, N. Y.
Application February 16, 1935, Serial No. 6,819
4 Claims. (Cl. 2—159)

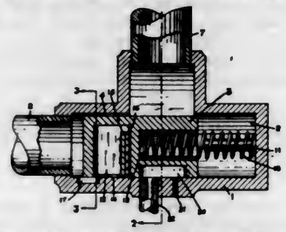


1. A glove of limp material comprising a body and a gauntlet or long arm portion, said body and gauntlet having a seam extending longitudinally thereof, and a stiffening element arranged interiorly of the gauntlet portion of the seam and adapted to contact the hand or wrist of the wearer.

2,067,425
PRIMER VALVE
Victor W. Strode, Portland, Oreg.
Application September 3, 1935, Serial No. 38,947
7 Claims. (Cl. 182—12)

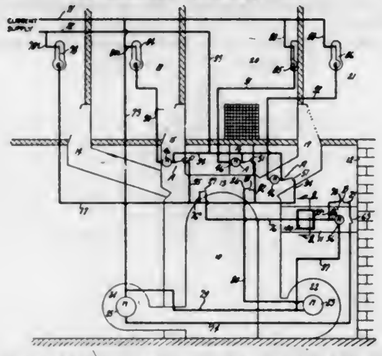
1. A primer valve comprising a body member that is adapted for insertion in a water supply

line, a valve seat within said body, an outlet port within the boundary of said valve seat, a slide valve reciprocably mounted on said seat and a measuring chamber formed in said valve that is



positioned to fill under no flow conditions in the body, the said valve being movable under the influence of fluid flow, to discharge the contents of the measuring chamber through the outlet port.

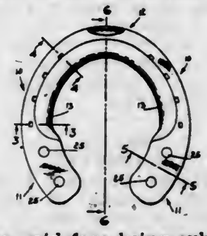
2,067,426
CONTROL MECHANISM FOR AIR CONDITIONING SYSTEMS
William W. Stuart, Des Moines, Iowa
Application October 21, 1935, Serial No. 46,003
19 Claims. (Cl. 236—11)



4. In a heating system, the combination of a furnace with ducts for carrying air to different rooms, means for controlling the flow of air through the respective ducts according to the temperatures resulting from the flow of air through the ducts, said means comprising dampers in the respective ducts, motors to operate the dampers, thermostats arranged in circuit with the respective damper motors, switches adapted to be actuated in conjunction with the dampers, a burner motor, a fan motor, a limit control switch and a fan control switch, means for including the limit control switch in circuit with each damper switch and the burner motor, means for including the fan control switch and the fan motor in circuit with each damper switch, a duct for conveying air from the furnace to an additional room, and a manually adjustable means for controlling flow through said last-named duct.

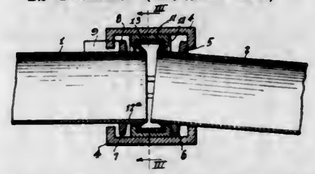
2,067,427
HORSESHOE
Arthur R. Swanstrom, Duluth, Minn.
Application April 3, 1933, Serial No. 664,242
10 Claims. (Cl. 168—13)

1. A horseshoe having side members provided with inner and outer reenforcing ribs defining a groove with the bottom of which the nail openings intersect, the inner rib projecting substantially beyond the outer, and having its outer side face flush with the innermost side surfaces of the



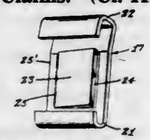
nail openings, said face being substantially perpendicular to the plane of the top of the shoe.

2,067,428
PIPE COUPLING
John W. Wallis, Los Angeles, Calif.
Application September 30, 1935, Serial No. 42,843
12 Claims. (Cl. 285—193)



1. A pipe coupling comprising the combination of two pipes to be coupled with a ring dimensioned to fit loosely about and overlap the end of one at least of the pipes when the latter are in approximate abutting relation, means for securing the ring to the other of said pipes, resilient means within said ring for sealing about the end of said one pipe, and means for securing said one pipe against separating movement while permitting angular movement of it relative to the ring, comprising a lug on said one pipe spaced from the end thereof, and a bar member immovably anchored to said ring crosswise thereto and having an inwardly projecting end portion for engaging the rear face of said lug, the lug extending only part way about the pipe whereby the pipe may be locked to the ring by inserting the pipe end into the ring with the lug thereon out of alignment with the bar member, and then rotating the pipe with respect to the ring to move the lug into alignment with the bar member and back of the inwardly projecting end portion of said bar member, said ring having an opening therein of greater diameter than said pipe for a distance extending inwardly from the lug-contacting face of said bar member substantially greater than the distance from the bar-contacting face of the lug to the end of the pipe.

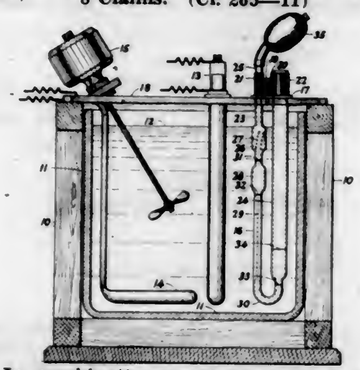
2,067,429
TRAVELER
Philip C. Wentworth, Providence, R. I.
Application December 9, 1935, Serial No. 53,473
14 Claims. (Cl. 118—61)



1. A traveler for use on a vertical ring, and means comprising a part extending angularly from the traveler shank towards the ring and

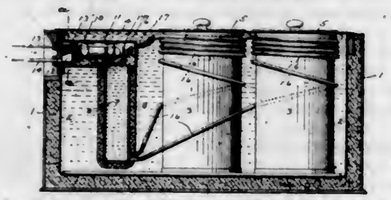
effective when the traveler is stopped automatically to swing the traveler in such position relative to the ring as to produce a reduced frictional contact therebetween when the traveler is again started and effective as the traveler accelerates to speed automatically to dispose the traveler in position to produce an increased frictional contact on the ring.

2,067,430
VISCOMETER
Edward H. Zeitfuchs, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application December 14, 1935, Serial No. 54,460
8 Claims. (Cl. 265—11)



1. In combination, a viscometer tube of the Ostwald type comprising a U shaped glass tube having a large diameter leg and a small diameter leg, a metal sleeve secured to each of said legs substantially at the upper ends thereof, and a metal plate connecting said sleeves and adapted to be secured to a support to hold said tube in a vertical position.

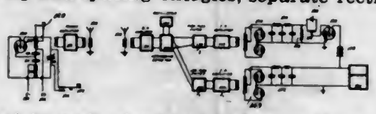
2,067,431
REFRIGERATING APPARATUS
Carl W. Albertson, Clinton, Iowa
Application March 14, 1927, Serial No. 175,021
35 Claims. (Cl. 62—126)



6. An ice cream cabinet or the like including a plurality of compartments, a brine tank common to all the compartments and in which the compartments are located, independent refrigerating coils for each compartment, and a refrigerant reservoir common to the coils of the several compartments with which the different coils connect.

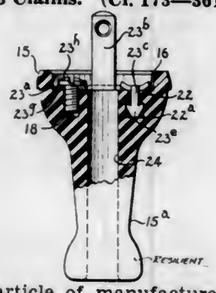
2,067,432
RADIO COMMUNICATION
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 5, 1928, Serial No. 323,809
1 Claim. (Cl. 250—8)

An arrangement for reducing fading when transmitting code signals on short waves including a transmission system comprising a short wave transmitter, keying means for slightly changing the frequency of transmission to distinguish between marking and spacing periods, and means to radiate the marking and spacing energies alternately, and a receiving system comprising means to collect the radiated energies, separate electron emission tube amplifiers for the marking and spacing energies, separate rectifiers



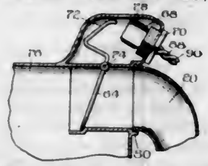
coupled to each of said amplifiers, a three electrode tube coupled to the output circuit of one of the rectifiers for reversing the phase of the rectified energy, means coupling the anode circuit of the three electrode tube with the output circuit of the other rectifier so as to combine the marking and spacing energies in additive phase, and a translating device responsive to the combined energy.

2,067,433
SOFT RUBBER ATTACHMENT PLUG CAP
Frank J. Boller, Mount Vernon, N. Y., assignor, by mesne assignments, to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 8, 1932, Serial No. 646,220
3 Claims. (Cl. 173—361)



2. As an article of manufacture, a combined contact jack and wiring terminal member adapted for use in attachment plug caps of the soft rubber type, said member having a flat base portion to which a conductor wire may be attached, a contact jack portion extending in one direction at right angles to said base portion, three spaced anchoring portions formed integrally with said base portion and extending in the opposite direction at right angles to the latter in planes parallel to each other, and each of said anchoring portions having an enlarged end of substantially arrow-head shape.

2,067,434
ACCUMULATOR
Louis J. Charipar, Chicago, Ill.
Application April 18, 1935, Serial No. 16,964
1 Claim. (Cl. 183—36)



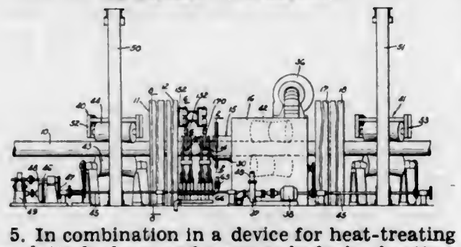
In combination with a vacuum cleaner having power driven air circulating means operating by

impulse on the air and having a housing and an air discharge passage leading therefrom; a filter bag; means adjacent the discharge end of said air discharge passage defining an accumulator chamber and establishing communication through said chamber with said filter bag; means independent of the air stream for opening and closing the air path from the machine housing to the bag at a point between the accumulator chamber and the housing; means for controlling said opening and closing means; said accumulator chamber being positioned to receive material dislodged from said bag and falling into said chamber by gravity.

2,067,435
ARTICLE OF MANUFACTURE FOR CONTINUOUS EMBOSSING
George C. Chatfield and Charles Emmey, New York, N. Y.
No Drawing. Application December 17, 1935, Serial No. 54,952
1 Claim. (Cl. 41—33)

An article of manufacture for dry embossing fabrics, comprising a carrier with an impervious layer thereon, and a thermoplastic composition having phenol formaldehyde resin, phthalic anhydride resin, mastic gum, an activating agent and a coloring agent, said article being adapted upon the application of dry heat and pressure to transfer the composition onto a receptive surface.

2,067,436
APPARATUS FOR HEAT-TREATING STEEL
Clarence J. Coberly, Los Angeles, Calif., assignor to Kobe, Inc., Huntington Park, Calif., a corporation of California
Original application July 10, 1929, Serial No. 377,182. Divided and this application April 11, 1934, Serial No. 720,058
13 Claims. (Cl. 266—4)

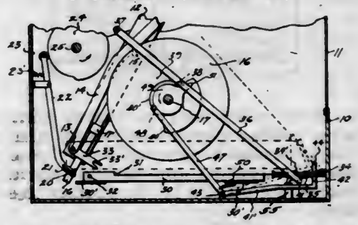


5. In combination in a device for heat-treating a relatively long and narrow body by heating, preparatory to quenching, each individual section in degree varying with its metallurgical structure: heating means adjacent which said body advances and heating only a short section of said body opposite said heating means; flux-producing means passing magnetic flux through said short section opposite said heating means; means for varying the amount of heat applied to said short section by said heating means; and means operatively connected to said last-named means and responsive to the amount of flux moving through said short section at any instant of time to vary the pre-quenching temperature in said short section in response to the characteristics of the short section adjacent said heating means at any instant of time.

10. In a device for heat-treating a relatively long and narrow body providing a cylindrical exterior surface, the combination with a heating means for raising to a quenching temperature that section of said body leaving said heating means, of: a cylindrical shell adjacent said heating means and through which each section of said heated body moves immediately after leaving said heating means, said cylindrical shell cooperating with said cylindrical exterior surface of said body in providing an annular space surrounding said body; means for tangentially introducing a quenching medium into said annular space; and means for forcibly withdrawing said quenching medium from that end of said annular space furthest from said heating means.

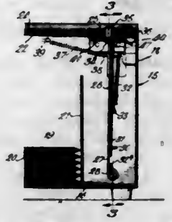
13. In a device for heat-treating a long perforated pipe, the combination with a heating means through which the pipe is moved, of: a shell through which said pipe moves after leaving said heating means; and means forcibly moving a quenching medium through the perforations of said pipe from said shell into the interior of said pipe, said last-named means including means for introducing quenching medium into said shell and means for reducing the pressure inside said pipe to draw said quenching medium thereinto.

2,067,437
DISPLAY DEVICE
Lois Dibrell, Grand Prairie, Tex.
Application April 19, 1934, Serial No. 721,363
8 Claims. (Cl. 40—36)



1. A display device comprising, a casing, a horizontal carrier for receiving a stack of cards mounted within the casing and arranged to be swung vertically, means for releasing the lowermost card from the stack within the carrier, and means for displaying the released card.

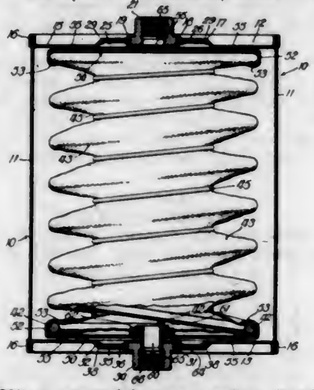
2,067,438
AUTOGRAPHIC REGISTER
Fritz G. Diesbach, Hamilton, Ohio, assignor to Krauth & Benninghofen, Hamilton, Ohio, a firm
Application November 20, 1934, Serial No. 753,931
3 Claims. (Cl. 282—21)



3. In a device of the class described, a casing provided with a platen over which a plurality of superposed strips are drawn, the strips provided with registering apertures spaced longitudinally thereof, a carrier plate disposed at the forward end of the casing and having its lower end pivotally mounted, a second plate vertically slidably mounted on said first mentioned plate and including upwardly projected pins adapted to engage through the strip apertures when in registry therewith, spring means for urging the slidable plate upwardly at all times, stops

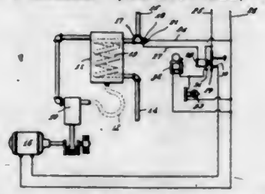
limiting upward movement of the slidable plate, means for swinging said carrier plate and slidable plate forwardly for initiating a feeding movement to the strips, means for depressing the pins at the forward limit of oscillatable movement, and means for returning the plates after feeding movement.

2,067,439
FILTER
Clarence H. Dooley, Rock Island, Ill.
Application May 29, 1933, Serial No. 673,365
21 Claims. (Cl. 210—164)



1. A filter comprising a casing having end members, a filter element including a filter bag and heads disposed exteriorly of the bag and connected therewith, and means providing for the attachment of said heads directly to said end members.

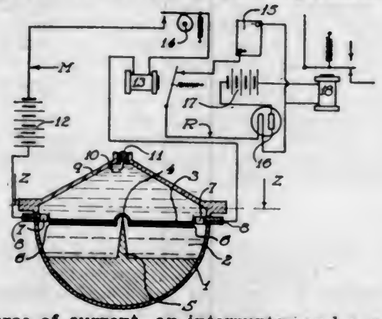
2,067,440
SAFETY DEVICE FOR REFRIGERATION SYSTEMS
Newell B. Finney, Indianapolis, Ind.
Application January 15, 1934, Serial No. 706,671
7 Claims. (Cl. 177—311)



1. In combination, a fluid-conveying conduit, a heat-exchanger through which said conduit passes, said heat-exchanger containing a second and different fluid in contact with the exterior of said conduit, said conduit being provided with an opening in one wall, a closure member for said opening, said member being formed of material subject to corrosion by a mixture of said two fluids, a warning signal, and means actuated by the passage of a mixture of said two fluids through said opening for operating said warning signal.

2,067,441
CONTROL COMPASS FOR AUTOMATIC PILOTING OF MOVING BODIES
Wood Freeman, Fircrest, Wash.
Application January 26, 1934, Serial No. 708,442
6 Claims. (Cl. 33—204)

1. In combination, a magnetic compass having a casing bearing opposed electrodes, a magnetic needle pivoted in said casing positioned so that its ends approach, but do not contact, the respective electrodes, as the course of the carrying craft changes, an electric circuit including said needle,



a source of current, an interrupter and a relay, all in series, and an electrolytic liquid in said casing in which said electrodes and needle are immersed, for completing said circuit.

2,067,442
CLUTCH ALIGNING TOOL
George E. Frisz, Indianapolis, Ind., assignor, by mesne assignments, to Snap-On Tools, Inc., Kenosha, Wis., a corporation of Delaware
Application August 6, 1934, Serial No. 738,643
27 Claims. (Cl. 29—89)



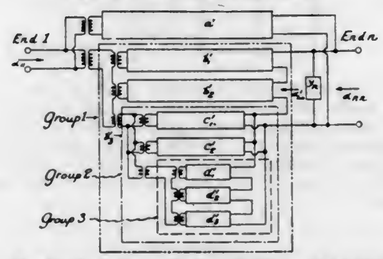
1. In a clutch testing and adjusting tool of the character set forth, for servicing clutches of the type having a pilot bearing, a friction disk and a housing in axial alignment, the combination with an elongated shaft of a length sufficient to extend from the pilot bearing to a point externally of the housing of the clutch and having a collect expanding cone at its inner end and being externally threaded to its outer end, of a tubular sleeve on said shaft and having a collet expanding cone at its inner end and being externally threaded to its outer end, an expanding collet on said shaft adapted to fit the pilot bearing of the clutch and support said shaft in alignment with the axis thereof, a nut threaded to said shaft and engaging the outer end of said sleeve for expanding said collet, a cone sleeved on said sleeve for coaction with the friction disk, and a nut threaded to said sleeve for coaction with the outer end of said last named cone for urging the same into engagement with the friction disk.

2,067,443
ELECTRICAL NETWORK
Charles M:Son Gewertz, Cambridge, Mass.
Application May 5, 1932, Serial No. 609,428
28 Claims. (Cl. 178—44)



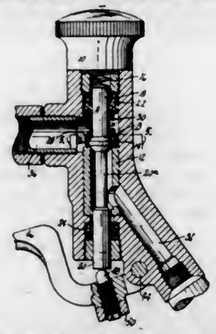
1. A finite, four-terminal electrical network, containing lumped network elements and having prescribed characteristics, said network comprising a plurality of component networks, all being connected in parallel with each other; the driving-point functions and the transfer function of each of the successive component networks being substantially equal to the respective terms of the corresponding component family in partial fraction expansions of the prescribed driving-point functions and transfer function of the total four-terminal network.

2,067,444
ELECTRICAL NETWORK
Charles M:Son Gewertz, Cambridge, Mass.
Application May 5, 1932, Serial No. 609,429
51 Claims. (Cl. 178—44)



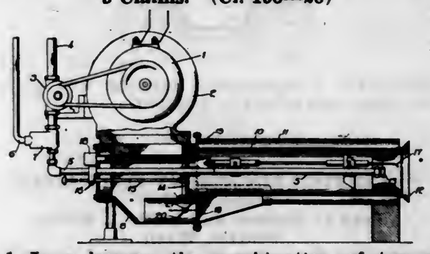
11. A finite, dissipative four-terminal electrical network, containing lumped network elements, including a plurality of groups of component networks, the component networks of each alternate group being connected in series and in parallel, respectively; said series connected component networks being realizations of the corresponding component families of terms in partial fraction expansions of impedance functions while said parallel connected component networks are realizations of the corresponding component families of terms in partial fraction expansions of admittance functions; the successive groups being connected together in such a manner that each group forms the last component network of the preceding group.

2,067,445
NOZZLE CONSTRUCTION
Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application October 1, 1935, Serial No. 43,054
13 Claims. (Cl. 277—44)



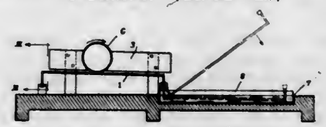
1. In a nozzle, a primary valve member adapted when initially opened to permit only restricted delivery of fluid through said nozzle, a secondary valve member adapted when open to permit unrestricted volume delivery of fluid through said nozzle, said secondary valve member having a seat engaged by said primary valve member as it is opened beyond said initial opening thereof to stop the flow of fluid through said nozzle, said primary valve member, upon further opening movement, opening said secondary valve member through engagement with said seat thereof.

2,067,446
BURNER CONTROL
John Good, Garden City, N. Y.
Application February 20, 1933, Serial No. 657,496
5 Claims. (Cl. 158—28)



1. In a burner, the combination of two air conduits and means for feeding air therethrough, means for feeding fuel to initially mix with the air delivered through one of said conduits, said one conduit furnishing a supply of air appropriate for normal combustion requirements and the other conduit together with said one conduit furnishing sufficient air to render the combustion space mixture non-explosive, ignition means positioned to ignite the initial mixture, a damper controlling the flow of air through said other conduit, and means rendered operative in response to the establishment of combustion to close said damper.

2,067,447
APPARATUS FOR DECORATING GLASSWARE
Ernest M. Hommel, Pittsburgh, Pa., assignor to The O. Hommel Company, a corporation of Pennsylvania
Application August 28, 1934, Serial No. 741,761
9 Claims. (Cl. 91—12)

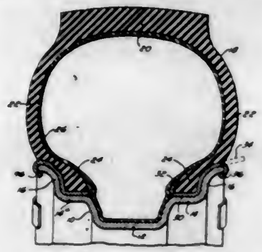


1. Apparatus for applying a band of decoration to the surface of an article, including means presenting a supply of coating material and a bar movable between service position and a position of contact with such supply of coating material, the bar when in service position adapted to sustain the contact of an article rolled upon it.

2,067,448
TIRE RETAINING DEVICE
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, a corporation of Michigan
Application August 17, 1934, Serial No. 740,268
17 Claims. (Cl. 152—20)

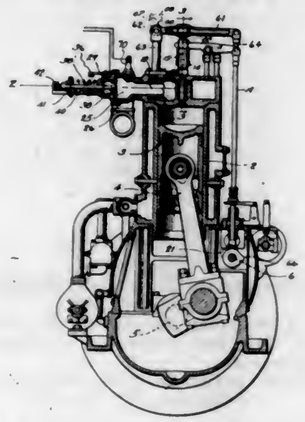
1. In combination, a drop center rim, a tire casing mounted thereon, and means normally inoperative when said casing is inflated and arranged circumferentially of said tire casing co-

operating between said tire casing and said rim for maintaining the beads of said casing against



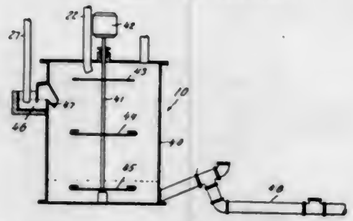
inadvertent displacement into the well of said rim when said casing is deflated.

2,067,449
STARTING EQUIPMENT FOR DIESEL ENGINES
Fred G. Hudson and Leslie A. Smith, Seattle, Wash.
Application December 26, 1933, Serial No. 703,956
2 Claims. (Cl. 123—30)



1. The combination with an engine of the Diesel type, having a working cylinder, a cylinder head equipped with a fuel injection system and with air inlet and exhaust passages for the cylinder, valves for controlling said passages and means for synchronously operating the valves in normal Diesel operation, of a starting attachment fixed to the head and comprising a housing formed with an auxiliary combustion chamber in open communication with the air inlet passage and having an intake opening, an ignition means in said chamber, a carburetor having a suction passage communicating with said combustion chamber through said intake opening and having an outside opening, a valve for closing said outside opening, an automatic valve in the said intake opening and a manually adjustable starting member operatively connected with said valves and injection system whereby in normal Diesel operation said automatic valve and said valve in the outside opening are held open, and movable to starting position, thereby to render the fuel injection system inoperative, and to move the valve in the said outside opening to closed position and to free the automatic valve for automatic operation under influence of internal pressures.

2,067,450
MELTING PITCH
Harold Everett Imes, Ashland, Ky., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application June 3, 1930, Serial No. 459,083
11 Claims. (Cl. 202—64)



1. The method of melting pitch of high melting point which comprises melting a portion of the pitch, crushing the balance of the pitch and gradually adding it to the melted pitch thereby melting it while spraying the melted pitch into gases of higher temperature than the melted pitch.

2,067,451
COMBINED HITCH AND BRAKING DEVICE FOR TRAILERS
Thomas H. Jacob, Wausau, Wis.
Application February 20, 1935, Serial No. 7,398
6 Claims. (Cl. 188—112)

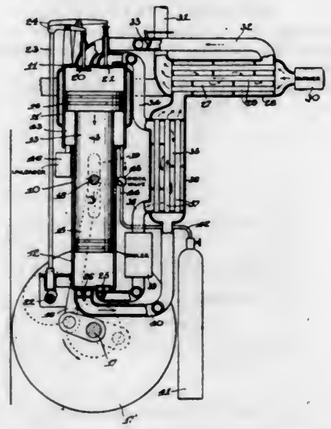
1. The combination with a trailing vehicle having wheel brakes, and a drawing vehicle, of a hitch for connecting said vehicles together including a plate rigidly connected with the drawing vehicle, a tongue for the trailer, a slide plate mounted on the first plate, a ball and socket hitch connection between the tongue and slide plate, a spring-pressed plunger on the trailer, means for operating the wheel brakes of the trailer from the plunger, a curved push plate on the first-mentioned plate, the plunger being normally urged into engagement with said curved push plate and adapted to follow the contour thereof incident to the swinging movement of the tongue on the slide plate, said plunger being movable to apply the wheel brakes upon forward sliding movement of the slide plate on said first plate.

2,067,452
HEXYL CATECHOL AND PROCESS OF PRODUCING IT
Lucas P. Kyrides, Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application October 19, 1931, Serial No. 569,861
2 Claims. (Cl. 260—154)

1. An orthodihydroxybenzene composition embodying a hexyl group which group is joined to the benzene nucleus.

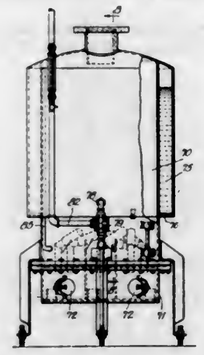
2. A method of alkylating catechol which comprises treating catechol with an aliphatic carboxylic acid chloride to form an ester, rearranging the ester into the corresponding ketone by treating with zinc chloride, and subsequently reducing the ketone to form the alkylated pyrocatechol.

2,067,453
HEAT ENGINE
Royal Lee, Milwaukee, Wis.
Application January 30, 1935, Serial No. 4,068
1 Claim. (Cl. 60—59)



In a heat engine, the combination of a cylinder member forming a pair of tandem cylinders of different diameter, the larger cylinder being an engine cylinder and the smaller cylinder being a pump cylinder, a two-diameter piston movable in said cylinders, the end of the larger cylinder adjacent the smaller cylinder forming an annular compression space with the larger end of said piston, means for heating gas and for conducting the heated gas to said engine cylinder, means for conducting the gas exhausted from said engine cylinder to said pump cylinder, said cylinders and all of said means forming a closed system for the gas, the minimum pressure in said system being above atmospheric, and means supplied by said annular compression space for maintaining the minimum pressure in the system.

2,067,454
ATOMIZING TYPE OIL FOGGER
Mathew G. Markle, Maywood, and Loren W. Tuttle, Mount Prospect, Ill.
Application December 1, 1932, Serial No. 645,179
3 Claims. (Cl. 48—190)



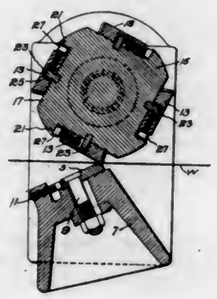
3. Fogging apparatus of the class described for fogging a stream of gas passing from a transmission conduit to a distribution conduit under a pressure differential of substantially less than five pounds, comprising a fogging tank, an atomizing nozzle in said tank having an outwardly flaring outlet opening directly into a relatively free unconfined space within said tank, means for supplying oil to said nozzle, means for increasing the velocity in said gas stream as it passes through said nozzle to produce atomization of said oil, said outlet providing for immediate substantially free expansion of said gas stream upon contact with said oil to prevent collision between oil particles in said stream and to provide for substantially free dispersal of said stream in all directions from said nozzle within said tank, and means for introducing the fogged gas stream from said tank into said distribution conduit.

2,067,455
PENCIL
Hans Maucher, New York, N. Y.
Application September 12, 1935, Serial No. 40,221
1 Claim. (Cl. 120—14)



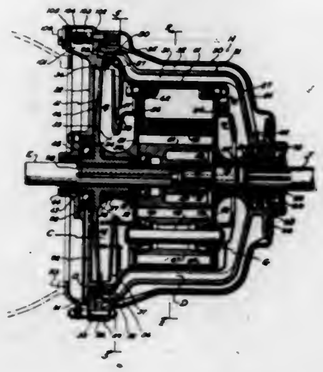
In a magazine pencil, a lead holder comprising an inner sleeve adapted to slidably receive a lead, a slot running longitudinally on each side of said sleeve, a pair of abutment collars positioned on said sleeve in spaced relation, an unbroken internally threaded thin walled tubular member positioned between said abutment collars so as to be rotatable about said sleeve and so as to be held against axial movement by said collars, a projector member slidable within said sleeve and the slot thereof and having portions thereof projecting through both of said slots and engaging said internally threaded member in threaded relation, at a plurality of points, said member having an abutment thereon adapted to engage a lead positioned within said sleeve, resilient tubular clamp means surrounding a relatively small portion of said internally threaded member and one of said collars and carried in permanently fixed relation to said internally threaded member and adapted to receive a lead positioned within said sleeve and to hold it with a frictional grip and being adapted to be grasped and turned by the fingers, whereby, when said internally threaded member is turned by manipulating said clamp means, said projector member will be caused to move axially along the sleeve, and may engage and cause axial movement of a lead within said sleeve.

2,067,456
CUTTER HEAD
Charles A. Meisel, Milton, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application May 4, 1934, Serial No. 723,849
3 Claims. (Cl. 164—70)



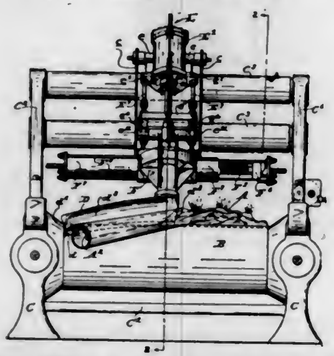
1. A cutter head having a knife seat presenting an abutment at the rear thereof and projections therefrom, a knife resting on the seat having recesses freely receiving the projections, adjusting screws threaded in the knife and adapted alternatively to contact said abutment or said projections, and means for clamping the knife to the seat.

2,067,457
POWER TRANSMISSION MECHANISM
Porter S. Morgan, New York, N. Y., assignor, by mesne assignments, to The Centripetor Company, Detroit, Mich., a corporation of Michigan
Application June 1, 1934, Serial No. 728,558
22 Claims. (Cl. 60—53)



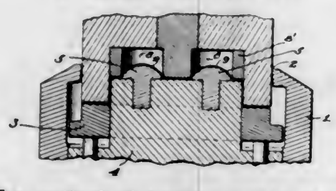
1. A power transmission comprising a driving shaft and a driven shaft, a fluid responsive member connected to the driving shaft, a second fluid responsive member having cooperating parts respectively connected to the driving and driven shafts, a housing for said members, said housing being formed with a relatively fixed fluid passage connecting said members, each of said members being operative to force fluid in opposing directions through said passage when the driving shaft is rotated at a higher speed than the driven shaft, a resistance disposed in said passage, said resistance having a progressively diminishing effect as the speeds of the driving and driven shafts approach the same value.

2,067,458
RUBBER MIXING MILL
George Nichols, Akron, Ohio, assignor to National Rubber Machinery Company, a corporation of Ohio
Application July 13, 1934, Serial No. 734,918
21 Claims. (Cl. 18—2)



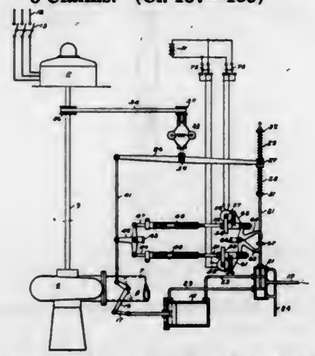
3. A machine for treating plastic material including, in combination, a pair of spaced power-driven rolls, on one of which material from the bank forms in a layer, a scraping device arranged alternately to engage opposite ends of the roll along lines oblique to the straight line elements thereof, means for lowering and raising the scraping device into and out of engagement with the roll, and means for swinging the scraping device when in its raised position from one end of the roll to the other, said means being arranged to swing the scraping device slightly beyond its normal position so that said device, as it is lowered into engagement with the roll, cuts into the material progressively along its edge until finally said edge along its entire length contacts with the surface of the roll.

2,067,459
METHOD OF FORMING CAPS
John J. Noll and John J. Williams, Wheeling, W. Va., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 22, 1934, Serial No. 758,837
3 Claims. (Cl. 113—121)



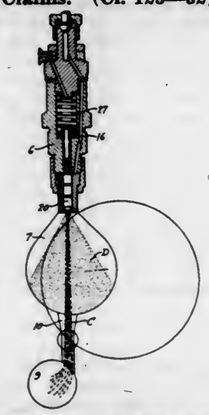
1. The method of forming metal screw caps, which includes drawing metal evenly from all directions to form two spaced dome-shaped knobs in the blank, then threading and curling the blank, then inverting the blank to mouth-up position, and then drawing metal evenly from all directions to transform the dome-shaped knobs into cylindrical-shaped knobs of smaller diameter.

2,067,460
CONTROL SYSTEM
Arnold Pfau, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 14, 1935, Serial No. 40,618
8 Claims. (Cl. 137—158)



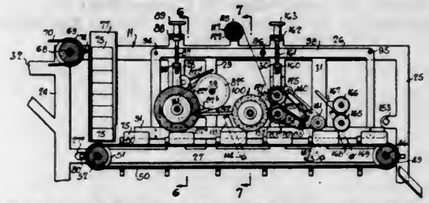
1. In a system for controlling the acceleration and deceleration of a prime mover to and from a desired speed and for retaining the prime mover speed within predetermined limits, a gate controlling the flow of operating fluid to the prime mover, a servo-motor for operating said gate, means responsive to the speed of the prime mover for controlling the operation of said servo-motor, and means cooperating to control both the amount and the rate of acceleration and deceleration of the prime mover independently of the operation of said speed responsive means.

2,067,461
COMPRESSION IGNITION ENGINE
Robert P. Ramsey, Philadelphia, Pa., assignor to The National Supply Co. of Delaware, Toledo, Ohio, a corporation of Delaware
Application September 24, 1936, Serial No. 102,379
2 Claims. (Cl. 123—32)



1. In an internal combustion engine having a cylinder and a piston therein, means providing a main combustion chamber and an auxiliary combustion chamber communicating with the main chamber, means to inject a jet of fuel across said main chamber toward said auxiliary chamber, said jet consisting of a spreading, highly atomized envelope and a coarsely atomized core, said main chamber containing relatively quiescent air and arranged to receive and permit the normal spreading of said highly atomized portion of the fuel within its quiescent air, and said auxiliary combustion chamber arranged to receive said core, the communication between said main chamber and said auxiliary chamber being such as to produce a swirl of air in said auxiliary chamber, the volumetric ratio of the main combustion chamber to the auxiliary combustion chamber being substantially equal to the ratio between the parts of the fuel received in the respective chambers.

2,067,462
MACHINE FOR APPLYING STAMPS AND LABELS
James A. Sanders, Lando, S. C.
Application January 18, 1935, Serial No. 2,417
1 Claim. (Cl. 216—33)



Apparatus for applying stamps and labels to packages which comprises a framework, an endless conveyor for receiving packages and conveying them through the apparatus, spaced projections on the endless conveyor for engaging packages placed on the conveyor, means disposed on each side of the conveyor for guiding the packages, means for adjusting the position of said guiding means to conform to the size of the packages on the conveyor, vertically adjusting means for roughening the upper side of the packages, means for moistening the upper side of the packages, means for supporting a roll of stamps, means for feeding the stamps in timed relation to the travel of the packages, and means for driving said endless belts intermittently, the stopping of the endless belts after the stamp has been partially affixed to a package while the package is constantly moving serving to tear the stamp from the roll, and means for holding a perforated ribbon roll of stamps, a pair of endless belts for withdrawing the stamps in ribbon form from the roll and feeding them to the packages, an idler roll for pressing the stamps onto the packages.

2,067,463
N-LONG CHAIN ALKYL AROMATIC AMINO SULPHONIC ACIDS AND PROCESS OF PRODUCING SAME
Erik Schirm, Dessau-in-Anhalt, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application April 3, 1933, Serial No. 664,202. In Germany April 4, 1932
15 Claims. (Cl. 260—129)

1. Penetrating-, wetting-out-, dispersing-, lathering- and cleansing agents consisting of aromatic aminosulphonic acids free of nitro groups which are substituted in the amino-group by at least one higher molecular hydrocarbon residue of the group consisting of the aliphatic and alicyclic hydrocarbon residues with not less than 8 carbon-atoms and in which the sulphonic and amino groups are attached directly to the aromatic nucleus.

11. Penetrating-, wetting-out-, dispersing-, lathering- and cleansing agents consisting of

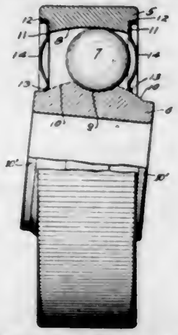
amino-benzene-disulphonic acids free of nitro groups which are substituted in the amino-group by at least one higher molecular aliphatic hydrocarbon residue with 8 to 18 carbon-atoms.

15. The method of producing aromatic amino sulphonic acids free of nitro groups which are substituted in the amino group by high molecular hydrocarbon radicals which comprises reacting aromatic amine sulphonic acids in which the sulphonic and amino groups are attached directly to the aromatic nucleus with chlorides of high molecular alcohols of the group consisting of the aliphatic and alicyclic alcohols containing not less than 8 carbon atoms in the molecule.

2,067,464
BEARING

John W. Smith, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application November 16, 1933, Serial No. 698,224
13 Claims. (Cl. 308—187)



1. In a self aligning bearing, an outer bearing ring means, an inner bearing ring means, antifriction bearing members interposed between said inner and outer bearing ring means, and seal means secured to one of said bearing ring means and extending into proximity to a surface on said other bearing ring means, said surface being of generally spherical form whereby said seal means and said surface will remain in sealing relation when said inner and outer ring means are relatively tilted, said other bearing ring means having a shoulder to be engaged by said seal means to limit the relative tilting of said bearing ring means.

2,067,465
SYNTHETIC PLASTICS

William P. ter Horst, Silver Lake, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application October 14, 1933, Serial No. 693,678
13 Claims. (Cl. 106—23)

12. A vulcanizable composition comprising unvulcanized rubber, sulphur and the reaction product of an alkaline poly sulphide, a poly glycerol halogenated hydrin and a di(halogenated alkyl) ether.

2,067,466
PENCIL

Mervyn A. Thomas, Montreal, Quebec, Canada, assignor to Metalwood Manufacturing Corporation, New York, N. Y., a corporation of New York

Application April 8, 1936, Serial No. 73,203
7 Claims. (Cl. 120—83)

1. A pencil comprising a wooden casing and an outer covering of metal foil, said metal foil being secured adhesively to the outer surface of the casing and enveloping completely the circumference of the casing along a substantial portion of its length.



2,067,467
METHOD OF AND MEANS FOR INDICATING RELATIVE ANGULAR MOVEMENTS

Adolf Urfer, Richmond Hill, N. Y., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y., a corporation of New York

Application July 28, 1930, Serial No. 471,388
1 Claim. (Cl. 201—57)



In electrical apparatus of the class described, a container having an electrolyte therein, three fixed electrodes mounted in said container on the same side thereof and in contact with said electrolyte and closely adjacent one another, said electrodes being spaced apart to form two electrolytic paths therebetween, a magnetic element rotatably mounted in said container, and a segmental electrode carried by said magnetic element and movable therewith relative to said fixed electrodes in response to the earth's magnetic field, said movable electrode being positioned adjacent said fixed electrodes and of an arcuate length to normally completely bridge said paths and the center fixed electrode whereby the electrical resistance of one of said paths is increased and that of the other simultaneously decreased upon relative angular movement of said movable electrode.

2,067,468
ACID WOOL DYESTUFFS OF THE ANTHRAQUINONE SERIES

Klaus Weinand, Leverkusen-I. G. Werk, and Curt Bamberger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 30, 1935, Serial No. 38,661. In Germany September 14, 1934
5 Claims. (Cl. 260—60)

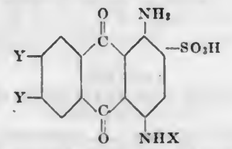
1. The 1-hydroarylamino-4-anilinoanthraquinones which contain a sulfonic acid group in a β-position of the 5,8-ring of the anthraquinone nucleus.

2,067,469
ACID WOOL DYESTUFFS OF THE ANTHRAQUINONE SERIES

Klaus Weinand, Leverkusen-I. G. Werk, and Curt Bamberger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 30, 1935, Serial No. 38,662. In Germany September 14, 1934
5 Claims. (Cl. 260—60)

1. The products of the formula

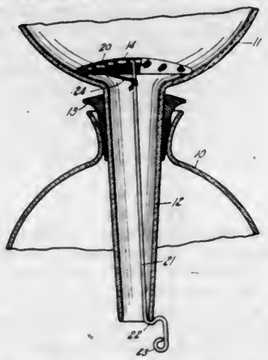


wherein X stands for an organic radical selected from the group consisting of aliphatic, hydroaromatic and aromatic radicals, one Y stands for an alkyl sulfonamide group and the other Y stands for hydrogen.

2,067,470
STRAINER FOR PERCOLATORS

Oscar M. Anderson, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut

Application February 21, 1935, Serial No. 7,516
3 Claims. (Cl. 210—162)



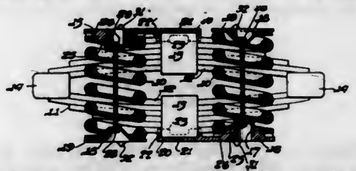
1. A strainer for a percolator comprising a resilient holder formed of a single piece of spring wire having an upwardly projecting portion composed of a plurality of spaced spiral convolutions of progressively smaller size, said convolutions rising in the general form of a dome which merges at its apex into a substantially concentric straight downward projection of said wire, a filtering fabric member supported by and encasing the domed portion, and a hooked portion at the lower end of said wire whereby the assembly may be removably secured in filtering position.

2,067,471
RAILWAY TRUCK

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application September 5, 1934, Serial No. 742,825
13 Claims. (Cl. 267—4)

1. A spring nest, adapted for insertion in the window of a railway vehicle side frame for the support of an associated bolster, comprising outer and inner rows of helical springs with an elliptic spring spanning the distance therebetween, a lower spring plate supporting and positioning only the inner row of helical springs and the elliptic spring, a lower spring plate supporting and positioning only the outer row of helical springs,

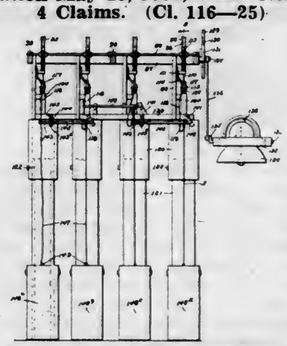


an upper spring plate resting only on the outer row of helical springs and said elliptic spring, and an upper spring plate resting only on the inner row of helical springs.

2,067,472
TIME ACTUATED MECHANISM

Alvy R. Brassell, Hazlehurst, Miss.

Application May 16, 1933, Serial No. 671,395
4 Claims. (Cl. 116—25)



1. A mechanism of the character described comprising a support, a shaft rotatably mounted thereon, a bell, means to ring said bell through rotation of said shaft and a plurality of mechanical motors operatively connected with said shaft to turn the same to cause the ringing of the bell, and means to time the operations of said motors to act at successive intervals.

2,067,473
HYDROLYSIS OF ISOBUTYL CHLORIDE

Edgar C. Britton, Gerald H. Coleman, and Garnett V. Moore, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 18, 1934, Serial No. 721,154
11 Claims. (Cl. 260—156)

1. The method which comprises heating a mixture of isobutyl chloride, water, and a metal base to a reaction temperature above 100° C. at superatmospheric pressure and thereafter separating isobutylene, isobutyl alcohol, and tertiary butyl alcohol from the reacted mixture.

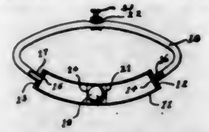
2,067,474
INCLINOMETER

Victor E. Carbonara, Rockville Centre, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 8, 1933, Serial No. 679,571
Renewed June 26, 1936
22 Claims. (Cl. 33—206)

1. An inclinometer comprising a curved transparent tube containing a gas, and a ball in said

tube adapted to roll therein by the action of gravity upon inclination of the tube, the latter having a uniform internal bore such that said ball forms a piston fit therein whereby the gas



is substantially prevented from passing around the ball, and also having restricted openings at its ends whereby a damping action is produced on the ball by its piston action in forcing the gas out of the tube through the restricted openings.

2,067,475
ARCH SUPPORTER

Vincent R. Casey and George A. Larsen, Portland, Oreg., assignors to C & L Method of Foot Correction, Portland, Oreg., a corporation of Oregon

Application June 5, 1935, Serial No. 25,147

2 Claims. (Cl. 36—71)



2. In an arch supporter, a body composed of the following parts in successive layers as an integral structure, viz: a layer of gauze, a layer of pig skin, a layer of canvas, another layer of pig skin, and another layer of canvas, the several layers being arranged in the order mentioned, the last canvas layer constituting the bottom of the supporter and a soft leather surface layer glued over the gauze layer and itself constituting the top of the supporter, the body being of a shape to conform to the foot of the wearer, and the successive layers being glued together.

2,067,476
NEEDLE-THREADER

Daniel H. Chason, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application March 22, 1935, Serial No. 12,354

4 Claims. (Cl. 223—99)



1. A needle-threader comprising a piece of spring wire of uniform cross-section bent at one end to form a resilient thread-hook small enough to freely enter the eye of a conventional sewing machine needle, the free end of the wire being bent back upon the bent hook-forming portion of the wire to form a rounded nose defining with the adjacent shank-portion of the hook a flaring thread-receiving mouth and a restricted throat, which latter is narrower than the normal unsqueezed diameter of a conventional sewing machine thread.

2,067,477
GEARING

James B. Cooper, Phoenix, Ariz., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application March 20, 1931, Serial No. 524,060

4 Claims. (Cl. 74—466)

1. The combination with a rotary drive member and a rotary driven member rotatable about parallel horizontal axes, of a gear train therebetween having a plurality of equal ratio simultaneously loaded substantially non-shiftable gear train portions between said members and comprising



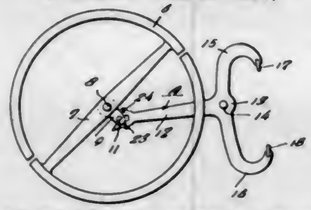
herringbone gears having teeth of the same helical angle, the teeth on opposite sides of at least one of said gears being of unequal length to provide noise reducing differential characteristics.

2,067,478
ROLLER JEWEL PROTECTOR FOR WATCH MOVEMENTS

Farrier Cormier, Welsh, La., assignor of one-half to John G. McClure, Welsh, La.

Application July 2, 1935, Serial No. 29,568

3 Claims. (Cl. 58—117)



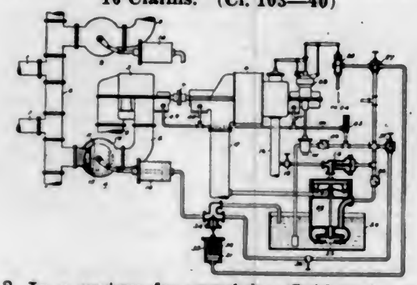
1. In an escapement mechanism having a balance wheel including a staff, roller table and roller jewel, a pallet fork comprising a bar bifurcated on one end to receive the roller jewel carried by the roller table mounted on the balance wheel staff, and a pair of upstanding pins on the bifurcated end of the bar one on each prong adapted to lie in the path of the roller table to prevent the roller jewel from striking the edge of the prongs.

2,067,479
BLOWER CONTROL SYSTEM

Hans P. Dahlstrand, Wauwatosa, and Herman G. Seaholm, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application February 8, 1935, Serial No. 5,524

10 Claims. (Cl. 103—40)



2. In a system for supplying fluid under pressure to a header, a plurality of units each comprising a driving machine and a driven machine, a self-closing check valve connecting said driven machine with the header, a fluid pressure operated servo-motor to cause opening of said check valve upon application of fluid pressure thereto, a pump driven by said driving machine to produce pressure for operating said servo-motor, means operated dependent on the speed of said driving machine for controlling the discharge from said pump, and pressure operated means controlled by

said speed dependent means for controlling the application of pressure from said pump to said servomotor.

2,067,480
PROCESS OF MANUFACTURE OF PULP

Joaquin Julio de la Roza, Sr., Great Neck, N. Y., assignor to de la Roza Corporation, Wilmington, Del., a corporation of Delaware

Application July 18, 1935, Serial No. 32,016

11 Claims. (Cl. 92—7)



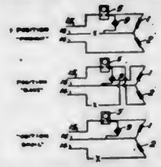
1. A process for the manufacture of pulp from fibrous or cellulose bearing material comprising, wetting the material with a bleaching liquid, subjecting a body of the wetted material to a pressure sufficient to uniformly impregnate the material with the bleaching liquid, wetting the uniformly impregnated material with a wash liquid, subjecting the uniformly impregnated material to a pressure sufficient to displace the greater portion of the bleaching liquid and dissolved matter with the wash liquid and then digesting the material with a cooking liquor to produce pulp of improved color and strength.

2,067,481
POWER CIRCUIT FOR ELECTRIC RANGES

Douglas David Findlay, Carleton Place, Ontario, Canada

Application November 19, 1934, Serial No. 753,559½

3 Claims. (Cl. 219—20)



1. An electric circuit for the oven of cooking ranges comprising two heating elements, a power supply circuit for said elements including two energized wires and a neutral wire, and control means for said circuit comprising a switch, said energized wires and the neutral wire being connected to terminals in the switch, connecting wires leading from terminals in the switch to each of said elements and a third common wire leading from a terminal in the switch and connected to both of said elements, the switch in one operating position being arranged to connect the terminals of said energized wires to the terminals of said connecting wires with the terminals of the neutral wire and the common wire disconnected, and in other operating positions to connect the terminal of the same one of the energized wires to either of the terminals of the connecting wires and the terminal of the neutral wire with the terminal of said common wire, whereby one of said energized wires is commonly utilized in all operating positions of said circuit.

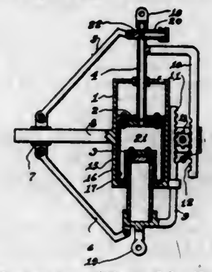
2,067,482
SHOCK ABSORBER

Louis D. Foley, Louisville, Ky.

Application February 11, 1936, Serial No. 63,410

7 Claims. (Cl. 267—65)

1. In a device of the class described, a casing, two oppositely moving pistons within said casing, a flexible hose connecting said pistons and forming an air tight chamber between said pistons, and means to cause said pistons to move to and from each other uniformly, said means comprising an arm associated with each of said



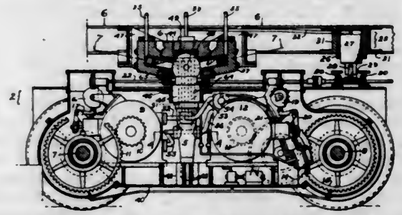
pistons with the extremities of both of said arms meshed to one gear, said hose bearing against the inside of said casing and the outside of one of said pistons, the inside of the bottom of the casing having a curved portion to cause the hose to bend at a substantial large radius.

2,067,483
CENTER BEARING FOR HYDRAULIC LOCOMOTIVES

Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Original application January 30, 1933, Serial No. 654,157, now Patent No. 2,037,373, dated April 14, 1936. Divided and this application December 31, 1934, Serial No. 759,886

15 Claims. (Cl. 105—175)



1. In a power vehicle having a body, a truck arranged beneath said body, a hydraulic motor carried by said truck to propel said vehicle and a pump carried by said body for supplying motive liquid to said motor, the combination of an upper bearing member fixed to said body and having fluid channels connected to said pump, and a lower bearing member fixed to said truck and fitted to said upper bearing member to support said body and having fluid channels connected to said motor and in registry with the fluid channels in said upper bearing member, said bearing members forming a universal joint between said body and said truck and forming flexible fluid connections between said motor and said pump.

2,067,484
BUCKLE

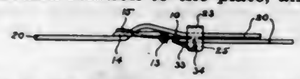
John B. Freysinger, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut

Application August 8, 1935, Serial No. 35,273

5 Claims. (Cl. 24—74)

1. A connective device comprising a plate, a buckle pivotally supported at one end of the plate, a tuck-in loop arranged to slidably re-

celve one end of a belt engaged by said buckle, means rigidly securing the tuck-in loop in overlying straddled relation to the plate, and means



connected to the loop which removably clamps against the other end of the belt and secures the belt in a fixed position relative to the plate.

2,067,485
CIRCUIT CONTROL MEANS
John J. Gardner, New York, N. Y., and Eugene Letsch, Union City, N. J., assignors to R. W. Cramer & Company, Inc., New York, N. Y., a corporation of New York
Application November 22, 1933, Serial No. 699,158
1 Claim. (Cl. 200—46)



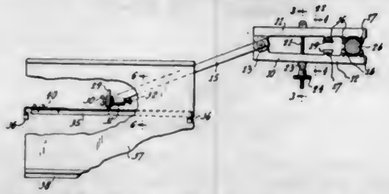
A multiple-circuit control mechanism of the kind having a system of electric contact devices arranged in a plurality of successive rows and adapted to be operated by a traveling control band formed with a number of longitudinal series of closely spaced control perforations, and having a rotatably mounted drum for supporting the traveling band and having a fixed support for supporting a system of contact devices; and characterized by comprising, for each contact position, a pair of contact devices in tandem carried by said fixed support in a removable and replaceable manner and terminating in tandem contacts in electrical connection with each other, so spaced apart longitudinally, less than the length of a single perforation, that the two contacts may engage in the same perforation at the same time, yet greater than the bridge between the perforations so that the two contacts may engage in successive perforations at the same time, whereby to maintain continuously closed the circuit connected with said device during the passage of such series of perforations; and said contact devices each comprising a universally yieldable spring device mounted removably on said fixed support and having a contact at its free extremity, whereby the tandem contact devices so constructed and mounted may yield longitudinally during travel of the band and also may yield transversely, thereby permitting relative transverse movements of the drum for removing or replacing the drum and to afford access to said contact devices.

2,067,486
HOSIERY
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application August 26, 1933, Serial No. 686,922
4 Claims. (Cl. 66—172)



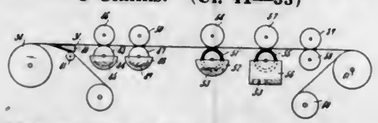
1. A stocking comprising a ravel-proof top edge consisting of a marginal body yarn course and an elastic yarn separate from the body yarn extending substantially parallel to said top edge through all of the loops of said course.

2,067,487
PANEL ATTACHING CLAMP FOR BEDS, FLOOR LAMPS, AND THE LIKE
Charles I. Gluckman, Brooklyn, N. Y.
Application January 15, 1936, Serial No. 59,194
5 Claims. (Cl. 24—249)



1. In a device adapted to support a panel or the like at a distance from an upright support, a clamp on said device having a pair of jaws hingedly connected together, a plurality of oppositely disposed substantially flat-surfaced shoes pivotally mounted in said jaws, means for releasably urging said jaws together to lock said clamp on said support, said shoes being adapted to swing about their pivots and upon clamping said jaws against said support being automatically rotated to present their flat surfaces against the surfaces of said support.

2,067,488
COATED MATERIAL AND METHOD OF MAKING SAME
Edward Hamilton Hough, Jr., New York, N. Y., assignor to Fabrifax, Ltd., Wilmington, Del., a corporation of Delaware
Application June 12, 1933, Serial No. 675,358
8 Claims. (Cl. 41—33)

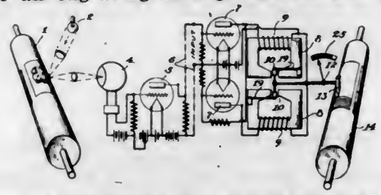


1. The process of making a design coating comprising applying a non-drying oleaginous material to a base, superimposing thereover in a predetermined design, a film of coating material of the elastic varnish enamel type, drying the same, superimposing over said last mentioned film a continuous film of coating material of a contrasting color, and drying the same to a tacky condition, uniting said combined films with a suitable fibrous sheet and then removing the base on which said films were built.

2,067,489
PHOTOELECTRIC ENGRAVING
Walter Crawford Howey and Benjamin Weston Woodward, New York, N. Y.; said Woodward assignor to said Howey
Application November 4, 1931, Serial No. 572,999½
4 Claims. (Cl. 178—5)

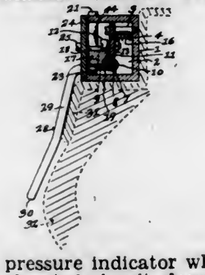
1. A photo-electric engraving system, comprising photo-electric means for successively scanning elemental areas of a subject, vacuum tube direct current amplification for the output of the scanner, a pivoted member, an armature having disconnected poles attached to the member at one side of the pivot, an engraving tool attached to the member on the other side of the pivot, a separate magnetic field for each armature pole, a push-pull amplifier receiving its input from the amplified scanning current and delivering its output to differentially maintain

the magnetic fields in accordance with the changes of the scanning current to thereby produce an engraving through the variable pene-



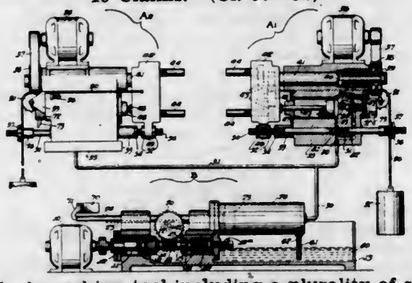
tration of the engraving tool into a suitable material serviceable for direct printing, and means for moving the material synchronously with the subject.

2,067,490
TIRE PRESSURE INDICATOR
Walter L. Jones, St. Louis, Mo.
Application January 8, 1936, Serial No. 58,179
8 Claims. (Cl. 200—58)



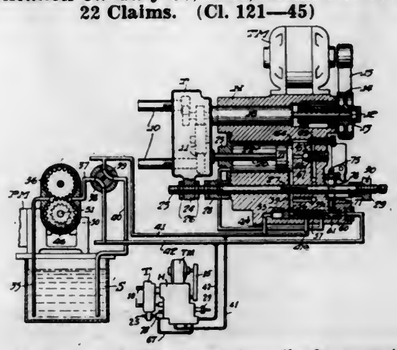
1. In a tire pressure indicator wherein is provided a fixedly located circuit closer actuated by a wheel-carried unit; a wheel-carried unit comprising a casing, a slide block mounted in the casing, a projectible member carried by the block and movable radially of the wheel, a latch plate mounted in and carried by a wall of the casing, means on the latch plate for latching the slide block in its retracted position and in its released position, a rocking shaft journalled in bearings in said casing and having a finger to press against the latch plate to retract it, a spring for urging the latch plate forwardly, and an arm on said rocking shaft to lie against the rim of the wheel and adjacent the tire for the purposes described.

2,067,491
MACHINE TOOL INCLUDING FLUID OPERATED FEEDING DEVICES
Edward Joslin Kingsbury, Keene, N. H.
Application January 6, 1934, Serial No. 705,607
19 Claims. (Cl. 60—52)



1. A machine tool including a plurality of separate tool units each having a tool structure which is fed forward for cutting and fed backward for withdrawal and each including fluid-pressure-operated means for feeding, a reversible fluid-pressure pump, conduit means connecting said pump with all the fluid-pressure-operated means, a reversible source of power, and transmission means including a slip clutch connecting said source and said pump so that said source and transmission means operate through the slip clutch to determine the maximum pressure in said conduit means.

2,067,492
FEEDING APPARATUS
Edward Joslin Kingsbury, Keene, N. H.
Application January 30, 1934, Serial No. 709,012
22 Claims. (Cl. 121—45)

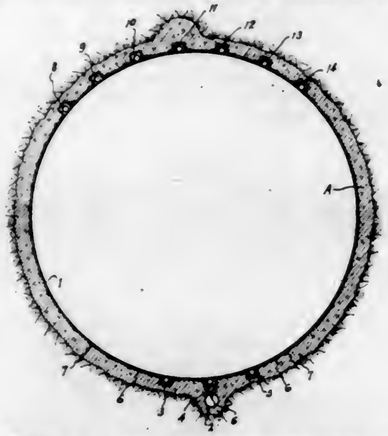


1. A device of the type described comprising fixed and movable structures, fluid-pressure-operated feeding means for moving said movable structure back and forth, a source of fluid under pressure, a plurality of conduits, a change-over valve for connecting one said conduit to said source and another said conduit to a discharge and for reversing said connections, and thereby effecting the commencement of a cycle consisting of a forward and a reverse movement, a valve movable between end positions and operating in said end positions for selectively controlling communication between said conduits and said fluid-operated means for effecting movement of said movable structure in forward and reverse directions, and detent means controlled by the movable structure for controlling movement of said valve from one end position to the other when said movable structure comes to the end of its movement in the forward direction whereby to cause the movement of said movable structure in the reverse direction, and also operating to prevent reversal of said valve except when said movable structure is at its forward position and thereby terminating each cycle with the movable structure in its withdrawn position.

2,067,493
MEMBRANE LINED TUNNEL AND METHOD OF CONSTRUCTING SAME
Phillip A. Kinzie, Denver, Colo., assignor to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Application August 14, 1934, Serial No. 739,758
16 Claims. (Cl. 61—45)

6. A pressure tube within an earthen passage inclusive of a pressure resistant concrete lining for the same, a resilient metal membrane coextensive with and lying closely adjacent to the inside surface of said lining and longitudinally split, longitudinally split resilient means closing the aforementioned splits, a drainage net-work of ropes impregnated with a water soluble substance and disposed between the metal and the

concrete to relieve pressure, and a slippage element between the ropes and the metal to reduce



the friction between the passage wall and metal membrane:

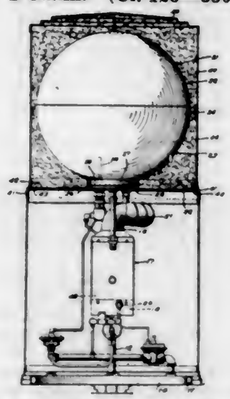
2,067,494
DITHIOCARBAMATES
Joy G. Lichty, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 5, 1932, Serial No. 603,454
7 Claims. (Cl. 260—99.11)

2. A compound having the formula

$$(Y-\overset{\overset{S}{\|}}{C}-S)_2=CH-\overset{\overset{O}{\|}}{C}-OH$$

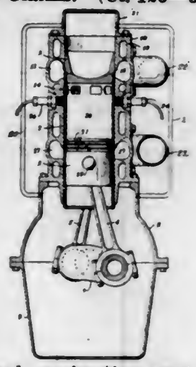
wherein Y is a tertiary aliphatic amino group.

2,067,495
WATER HEATER
Herbert J. Long, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application December 29, 1934, Serial No. 759,680
1 Claim. (Cl. 126—350)



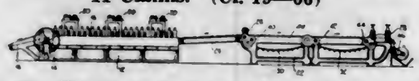
A water heater including a casing, a tank in the casing having an opening in the lower end thereof, a plate closing the opening and having inlet and discharge connections for the tank, a light sheet metal partition extending from the plate to the walls of the casing and forming a chamber therebelow, water heating means in the chamber in communication with the connections, and a supporting column in the chamber extending from the bottom of the casing to the plate to support the tank independently of the partition.

2,067,496
INTERNAL COMBUSTION ENGINE
John J. McCarthy, Malden, Mass.
Application June 4, 1932, Serial No. 615,376
10 Claims. (Cl. 123—50)



3. An internal combustion engine having opposed reciprocating pistons in the cylinder, one of said pistons having a sleeve and the other piston operating within said sleeve in timed relation and in the opposite direction, a passage from the crank case to the upper part of the engine, a manifold adjacent said cylinder, tangentially arranged ports associated with said manifold, ports in said sleeve piston adapted to cooperate with said manifold ports to scavenge said cylinder on the exhaust stroke, said sleeve piston operating on the compression stroke to feed oil vapor from the crankcase to the upper port of the engine.

2,067,497
MANUFACTURE OF JUTE YARN
George McCardle and Thomas Taggart, New York, N. Y., assignors to Chelsea Fibre Mills, New York, N. Y., a corporation of New York
Application December 7, 1932, Serial No. 646,054
11 Claims. (Cl. 19—66)

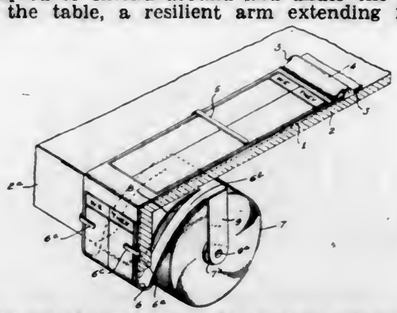


1. In the manufacture of jute yarn, the method which includes softening the jute, slowly combing, straightening and slivering the softened jute without substantial breakage, carding the long-fibred sliver, and finally doubling, drawing, and twisting the sliver in conventional manner.

2,067,498
ROLL-HOLDER
Ernest du Pont Meyrowitz, South Orange, N. J., assignor to Selected Devices Company, Incorporated, a corporation of New York
Application October 26, 1935, Serial No. 46,872
3 Claims. (Cl. 281—12)

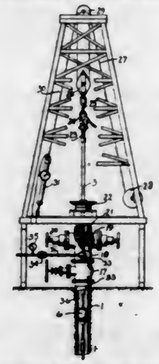
2. As an article of manufacture, a roll-holder adapted to be fixed to a table and constructed from a single piece of sheet metal comprising a

straight, flat, narrow section adapted to lie along the surface of the table, a hook-shaped section adapted to extend around and under the edge of the table, a resilient arm extending from



the hook-shaped section for engaging the under side of the bead of the table, and spaced resilient arms extending laterally from the hook-shaped section for frictionally engaging the core of a roll of paper.

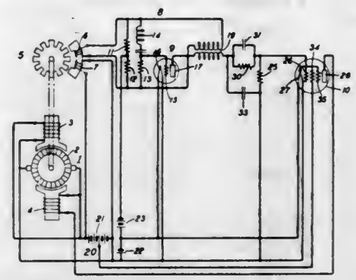
2,067,499
TESTING DEVICE FOR WELL EQUIPMENT
Herbert William Millmine, Houston, Tex.
Application January 18, 1936, Serial No. 59,687
8 Claims. (Cl. 255—1)



1. In well equipment including a well casing, a blowout preventer thereon, a drill stem extending through said blowout preventer into said casing, and means to introduce fluid pressure into said casing below said blowout preventer; the combination of a packer on said drill stem below said means to close the casing against the passage of pressure fluid downwardly therein, so that pressure fluid entering the casing below said blowout preventer will be trapped between said preventer and said packer.

2,067,500
REGULATOR SYSTEM
Edmund R. Morton, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 22, 1935, Serial No. 22,681
11 Claims. (Cl. 171—119)

1. In a regulator, a dynamo-electric machine having armature and field windings, a space discharge device comprising a control grid, a screen grid, a cathode and an anode, means for impressing potential on said control grid according to a characteristic of said machine and with a more than proportional change for a change in the machine characteristic, and means for controlling one of said machine windings directly by said device to maintain the characteristic of the machine substantially con-

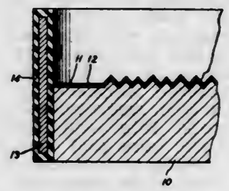


stant, while maintaining the device output current independent of output voltage changes due to reactance in the device output circuit during transient device operations to improve the regulator stability.

2,067,501
PARCHMENT PAPER AND METHOD OF MAKING SAME
John A. Newman, Edgeley, Pa., assignor to Paterson Parchment Paper Company, Bristol, Pa., a corporation of New Jersey
No Drawing. Application July 7, 1934, Serial No. 734,201
11 Claims. (Cl. 91—68)

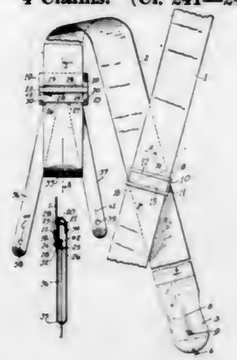
1. A vegetable parchment paper having relatively light parchmentized exterior surfaces and a fibrous interior section substantially unparchmentized, porous with respect to the entry into the interior thereof of extraneously applied wax, the fibrous interior section being impregnated with a wax, the finished product forming a dry-waxed parchmentized paper at least one surface of which is capable of receiving and retaining printer's ink.

2,067,502
ART OF DUPLICATING PHONOGRAPH RECORDS
Charles E. Pollard, Hohokus, and Alexander G. Russell, Red Bank, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1934, Serial No. 740,042
1 Claim. (Cl. 204—8)



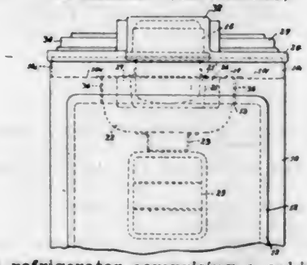
The method of duplicating a metal negative of a wax phonograph record which consists in electrodepositing a thin layer of chromium on the negative, allowing the chromium to form a protective film upon itself, coating the film with an even layer of sputtered metal, electrodepositing a substantial layer of metal on the sputtered metal and separating the substantial layer from the metal negative.

2,067,503
SUSPENDERS
Abraham Robert Price, San Francisco, Calif.
Application May 21, 1935, Serial No. 22,595
4 Claims. (Cl. 241—24)



1. A pair of suspenders comprising two straps, means for removably securing the ends of the straps to trousers, the straps crossing over each other at the back of the wearer, a member adjustably anchored to one strap at the point of cross-over, and a loop-shaped member slidably receiving the other strap and being pivotally secured to the first member, said last named strap extending through the loop-shaped member in a flat plane, whereby the strap can freely slide through the loop-shaped member during the wearing of the suspenders.

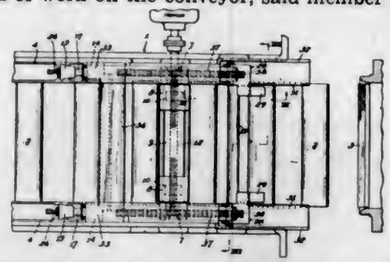
2,067,504
REFRIGERATOR CABINET
William E. Richard, Galesburg, Ill.
Application September 19, 1935, Serial No. 41,249
6 Claims. (Cl. 62—116)



1. A refrigerator comprising a cabinet having an aperture in its top insulating wall, a base adapted to span said aperture, refrigerating mechanism mounted on said base and extending downwardly into said aperture below the upper edges of the side walls of the cabinet, a wall of insulating material supported by said base and spaced apart from said mechanism and extending downwards into said aperture and adapted to close the same and complete therewith the top insulating wall of the cabinet, and an evaporator carried on said wall subjacent thereto.

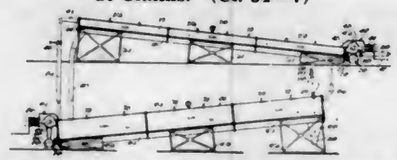
2,067,505
SLAB PUSHER
Maurice P. Sieger, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 3, 1936, Serial No. 62,051
14 Claims. (Cl. 271—55)

1. The combination with a work conveyor and laterally movable work-engaging means mounted at one side of the conveyor, of a member independent of said conveyor adapted to engage one end of work on the conveyor, said member being



connected to said laterally movable means for movement laterally as a unit therewith, and means for moving said member longitudinally of said laterally movable means.

2,067,506
CASEIN DRIER
Frank V. Silva, Turlock, Calif.
Application May 11, 1936, Serial No. 79,195
10 Claims. (Cl. 34—7)



1. In apparatus for drying casein or the like, an elongated casing, apertured pipes arranged within the top of the casing in a longitudinal group and in end-to-end relation, each pipe extending throughout a substantial portion of the length of the elongated casing, devices circumferentially spaced from the apertured pipes and discharging in a downwardly direction into the casing, means for supplying heated air under pressure to the apertured pipes and devices, and a spiral conveyor operating within the casing.

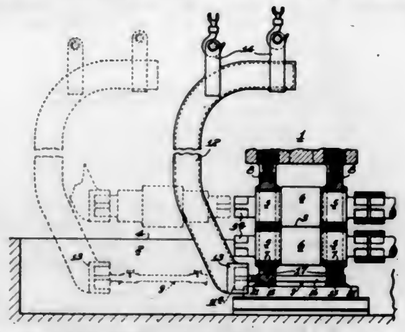
2,067,507
PROCESS OF TREATING LEAD AND LEAD ALLOYS
George O. Smith, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 28, 1930, Serial No. 478,551
25 Claims. (Cl. 75—166)

1. A method of alloying with a body of lead free of alkaline metals, another metal having a higher melting point than that of lead and the chloride of which has a heat of formation less than that of lead chloride in an amount less than 5% by weight of the lead which comprises reducing a quantity of chloride of said metal in a bath of said lead, free of alkaline metals, at a temperature between the melting point of said lead and 600° C., said quantity of chloride of said metal containing the approximate desired amount of said metal to be added.

2,067,508
ROLLING MILL APPLIANCE
John A. Smitmans, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 11, 1935, Serial No. 30,831
5 Claims. (Cl. 80—56)

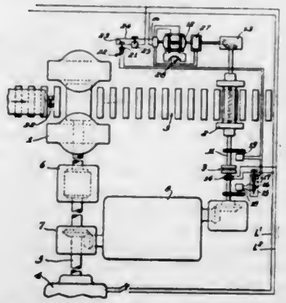
1. A filler-block unit for use in the roll housings of a rolling mill beneath the chucks for the

lower roll which comprises an integral frame provided with spaced filler-block sections adapted to fit under the roll chucks in both housings,



and provided with means at one end for receiving a tool for lifting the unit from and manipulating it into position in the roll housings.

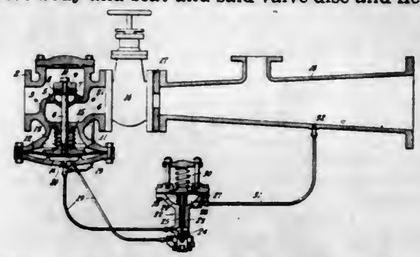
2,067,509
FLYING SHEAR
John A. Smitmans, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 21, 1936, Serial No. 60,144
18 Claims. (Cl. 164—68)



4. In combination, a flying shear, means for feeding strip material into said shear, means for driving said feeding means, means including a clutch for positively connecting said driving means to said shear, auxiliary driving means connected to said shear, means responsive to the strip entering the shear for starting said auxiliary driving means, and means operable when the speed of the shear reaches a predetermined value for engaging said clutch.

2,067,510
PRESSURE REDUCING APPARATUS
Paulsen Spence, East Orange, N. J.
Application May 22, 1931, Serial No. 539,265
1 Claim. (Cl. 251—159)

A noise reducing valve for high pressure fluids comprising, a valve body having a valve seat, a valve means comprising a hard metal valve disc to fit said seat, a heavy metallic head, a damping washer interposed between said valve disc and heavy metallic head, a valve stem for securing said valve disc, damping washer and heavy metallic head rigidly together and projecting to a valve actuating means on the side disc opposite said heavy metallic head, said heavy metallic head and damping washer being free of said valve body and seat and said valve disc and heavy

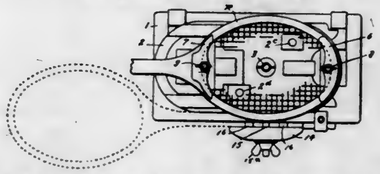


metallic head being held entirely separated from each other by said damping washer.

2,067,511
RECOVERY OF VALUABLE PRODUCTS FROM HYDROCARBONS
Georg Stern, Neckargemund, and Werner Hoess, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 6, 1935, Serial No. 9,614. In Germany March 9, 1934
6 Claims. (Cl. 260—57)

1. A process of recovering valuable products from hydrocarbons containing dienes but of which the major portion consists of compounds other than dienes which comprises subjecting such hydrocarbons containing dienes to a treatment with paraquinones and separating the resulting addition products.

2,067,512
APPARATUS FOR STRINGING TENNIS RACKETS
Roy A. Sterns, Miami, Fla., assignor to The Roy Sterns Company, Cincinnati, Ohio, a corporation of Ohio
Application October 10, 1934, Serial No. 747,788
2 Claims. (Cl. 273—73)

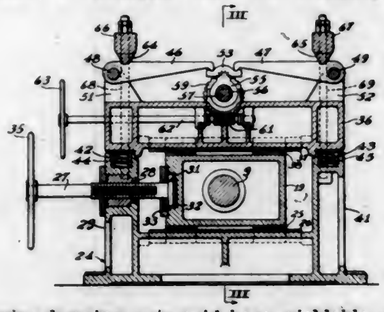


1. In apparatus for stringing tennis rackets and the like, a base member, an elongated member mounted on the base member, a support on each end of the elongated member, each of said supports having an upstanding arcuate ledge fitting the interior contour of the end of a racket head resting on the horizontal part of said support, means for adjustably mounting each of said supports for movement longitudinally of said elongated member for movement of the supports toward and from each other, bolts extending above the respective support, and clamps on said bolts extending arcuately around the ends of a racket head held thereby to press said ends flat against the ledges and thereby to hold the racket from warping.

2,067,513
BEARING FOR A VARIABLE SPEED DRIVE
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1935, Serial No. 7,863
7 Claims. (Cl. 308—59)

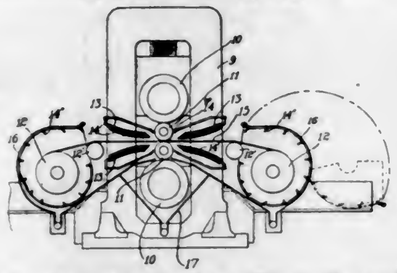
1. In combination with a rotatable power

transmitting shaft, a bearing housing for supporting said shaft, a base on which said housing is disposed to move, means for moving said bearing housing and shaft laterally of the axis thereof, a releasable head for clamping said



bearing housing onto said base, yieldable means normally urging said head out of contact with said housing, and pressure-multiplying means for firmly clamping said head against said housing.

2,067,514
METHOD OF AND APPARATUS FOR COLD ROLLING STRIP MATERIAL
Willibald Trinks, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, a corporation of Pennsylvania
Application July 22, 1933, Serial No. 681,693
24 Claims. (Cl. 80—60)

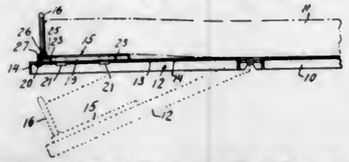


3. In combination with a rolling mill, a coiler, a plurality of liquid spray nozzles located above and below the path of travel of material issuing from said mill and passing to said coiler, spray nozzles surrounding said coiler, a casing partially enveloping said coiler and having a liquid delivery port formed therein, a pump for delivering liquid under pressure to said spray nozzles and means for delivering liquid from said delivery port to the inlet of said pump.

13. A method of cold rolling strip metal which includes incrementally roll reducing a work piece from initial to final gauge and in projecting against the reducing rolls and the top and bottom surfaces of the work piece high velocity jets of liquid lubricant having a temperature of about 32° F. and in sufficient quantities to cool the rolls and envelop the work piece with a rapidly moving stream of cooling liquid.

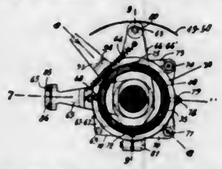
2,067,515
DETACHABLE MATTRESS SUPPORT
Nora Mary Twomey, New York, N. Y.
Application July 16, 1936, Serial No. 90,841
2 Claims. (Cl. 5—322)

1. A removable attachment for invalid beds and the like, adapted to prevent the mattress from slipping when in an inclined position, comprising a rectangular frame, including one side member movable laterally, means on the other side member and one end member, for engaging one side and the top or bottom of the mattress-



support, means on the movable side member for engaging the other side of the mattress-support, and a member mounted on the upper face of the frame adapted to support the mattress and prevent it from slipping.

2,067,516
RADIO DIRECTION FINDER
William S. Webster, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1931, Serial No. 584,094
10 Claims. (Cl. 250—11)

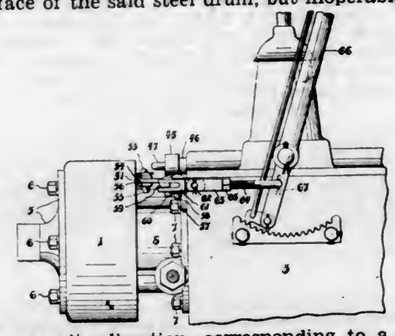


2. A radio direction finder compensator for use with a rotatable loop, a mechanical movement mounted upon a disk-like support and fixed to the loop shaft, a scale having graduations on the periphery of said disk-like support and fixed to said loop shaft, an oscillating pointer for reading the indications on said scale, a second adjustable scale concentric with said loop shaft, an adjustable band cam secured to said disk-like support so as to rotate with said loop shaft comprising a pair of flexible bands located on and within the confines of said disk-like support, a roller bearing on said band and cooperating with a plurality of links which are connected and held from complete rotation to said oscillating pointer said oscillating pointer being moved in a fixed relation with respect to said band to indicate corrected readings on said adjustable scale.

2,067,517
ANTI-BACK-DRIFT EMERGENCY BRAKE
Edwin F. Wheeler and Charles C. Sanford, Baltimore, Md.
Application August 11, 1932, Serial No. 628,390
12 Claims. (Cl. 192—4)

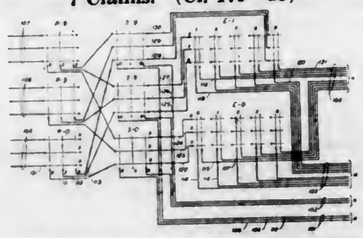
1. In a device of the kind described, the combination with a shaft adapted to be rotated in either direction, a mechanism associated therewith and normally connected to such shaft to automatically arrest rotation thereof in one direction, corresponding to a backward movement of the motor vehicle, consisting of a circular steel drum splined to and rotatable with the aforesaid shaft, two semi-circular internal expanding brake shoes associated therewith, a longitudinal sliding member on and rotatable with the said shaft, a duplex cam rotatable on the said member, a locking element of the cam and roller over-running clutch type carried by the said duplex cam, and operable between the said member and said cam in the aforesaid direction of rotation to rotate the said cam to expand the said brake shoes and their associated linings into

frictional contact with the inner circumferential surface of the said steel drum, but inoperable in



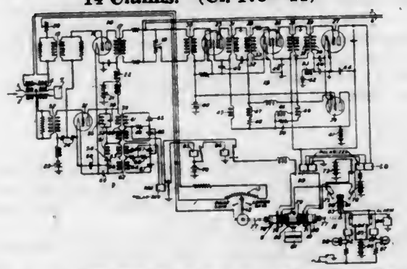
the opposite direction, corresponding to a forward movement of the motor vehicle.

2,067,518
TELEPHONE SYSTEM
Warren W. Carpenter, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1935, Serial No. 27,504
7 Claims. (Cl. 179—18)



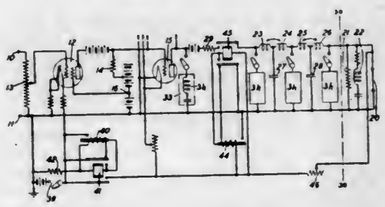
1. In a telephone system, a plurality of selective switches, lines incoming to each of said switches, a plurality of lines outgoing from each switch, and an auxiliary switch having its terminals divided in portions, said portions serving respectively the different selective switches, outgoing lines appearing in the several portions of said auxiliary switch, and means for connecting a line incoming to one of said selective switches to any outgoing line appearing in such selective switch or to any outgoing line appearing in the corresponding portion of the auxiliary switch.

2,067,519
CONTROL CIRCUITS
Ira E. Cole, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 16, 1935, Serial No. 21,786
14 Claims. (Cl. 178—44)



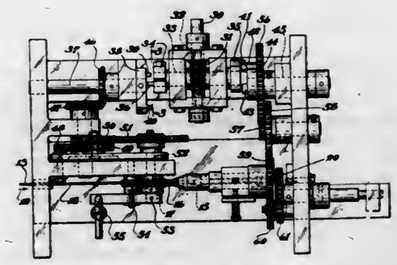
1. In combination, a transmission line having pulses of control current transmitted thereover, means for adjusting the net loss on said line according to the strength of said pulses of control current, and means for insuring against adjustment of the net loss on the line according to the last portion of a pulse of control current.

2,067,520
CIRCUIT FOR OSCILLOGRAPHS OR THE LIKE
Austen M. Curtis and Ira E. Wood, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1935, Serial No. 16,651
5 Claims. (Cl. 171—95)



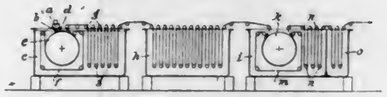
4. A string oscillograph, in combination with a circuit for operating the oscillograph throughout a frequency range extending from zero or near zero up to frequency several times the fundamental resonant frequency of the string, said string exhibiting a response characteristic falling with frequency over a part of said range above resonant frequency, said circuit comprising an amplifier of substantially flat characteristic throughout said range and an equalizing network for converting the output current of said amplifier into the current of varying magnitude at different frequencies to compensate for the falling response characteristics of said string at the frequencies above resonant frequency.

2,067,521
MACHINE FOR MAKING WIRE ELEMENTS
Harold I. Danziger, Williamstown, Mass.
Application February 7, 1936, Serial No. 62,755
17 Claims. (Cl. 140—92)



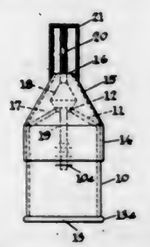
1. In a machine for making wire elements of the character described, a snout adapted to receive a wire therethrough, a cam mounted for transverse sweep across the mouth of the snout to bend a projecting length of the wire into a transverse direction, and a wiper mounted for concentric movement around the snout to wind said bent length around the snout to form a transverse loop.

2,067,522
METHOD OF PRODUCING CELLULOSIC FILMS
Rudolf Etzkorn and Ewald Knehe, Wuppertal-Barmen, Germany, assignors to firm I. P. Bemberg Aktiengesellschaft, Wuppertal-Oberbarmen, Germany, a corporation of Germany
Application August 26, 1933, Serial No. 687,001
In Germany September 3, 1932
11 Claims. (Cl. 18—57)



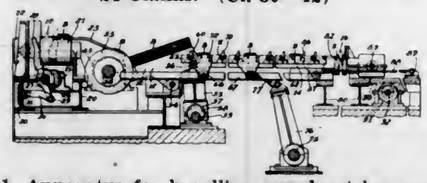
1. A process for the production of fine foils consisting of regenerated cellulose, comprising the steps of squirting a cuprammonium cellulose solution through a narrow slit, conducting the film so formed under tension through a free stretch of air of 10 mm. at the most wherein both sides of the film are exposed to the atmosphere, introducing the film into a coagulating bath of diluted soda lye, conducting the film under tension through a short free bath passage in which both sides of the film are exposed to the bath liquid, running the film onto a relatively large drum under tension, passing the pre-coagulated film through the coagulating bath while avoiding transverse shrinkage, and after-treating the film with washing and acidifying baths and then drying the same, the stretching being of such a degree that a film of a maximum weight of about 15 gms./sq. m. is obtained.

2,067,523
DISPENSING DEVICE
Walter D. Finney, Hollywood, Calif.
Application June 5, 1933, Serial No. 674,371
7 Claims. (Cl. 221—114)



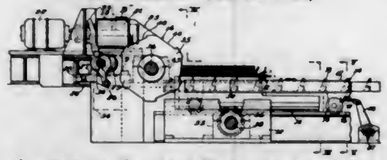
1. A device within which comminuted materials may be packed for shipment and from which they may be dispensed comprising a container for said materials, said container having walls continuous thereabout except at a single aperture, an element detachably connected with said container and forming therewith a measuring chamber, said chamber having an aperture therein, a valve within said measuring chamber and movable to open and to close alternatively each of said apertures, means projecting from said valve through the aperture in the measuring chamber, and a member removably secured to the said chamber-forming element, said member engaging said projecting means to hold the said valve in position for closing the aperture in the said container, whereby the said comminuted materials are retained within the chamber during shipment and until the said member is removed.

2,067,524
APPARATUS FOR HANDLING AND ANNEALING METAL BARS OR THE LIKE
John T. Flaherty, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 3, 1935, Serial No. 29,701
24 Claims. (Cl. 80—42)



1. Apparatus for handling merchant bar comprising a hot run-out table, a pack-annealing bed, a cooling bed, a cold run-out table, and means positioned between the hot run-out table and the pack-annealing bed for transferring the bars in turn from the hot run-out table and stacking them on the annealing bed, said means including a plurality of rotating cams having notches for receiving the bars in turn and carrying them to the annealing bed, said cams operating with a wiping cam action to push the end bar of the stack off the annealing bed onto the cooling bed as each hot bar is added to the stack from the hot run-out table.

2,067,525
APPARATUS FOR ANNEALING MERCHANT BARS
John T. Flaherty, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 1, 1936, Serial No. 72,093
17 Claims. (Cl. 80—42)



1. Apparatus for handling merchant bar comprising a substantially horizontal hot run-out table, a substantially horizontal pack annealing bed positioned laterally of the hot run-out table, rotatable transfer means positioned between the bed and the table for receiving the bars from the table and standing them on edge on the bed, means for moving the bed and the bars thereon away from the transfer means as a new bar is added to the bed and for then moving the bed back below the transfer means but with the bars engaging it to place the added bar on one end of the pack and to force a bar off the other end of the pack, and a cooling table for receiving the bars forced off the bed and for carrying them in spaced relation away from the bed, the means for moving the bed being adapted to move it completely below the transfer means so that the bars are received directly by the cooling table if desired.

2,067,526
INITIALED ARTICLE OF MANUFACTURE
Philip J. Graham, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application December 14, 1935, Serial No. 54,411
3 Claims. (Cl. 40—143)

1. As a new article of manufacture, a body formed of a hard and resilient material including

cellulose and having an opening therein, and a member formed of like material having a projection which tightly fits within the opening throughout substantially the length of the projection, whereby the body and member may be



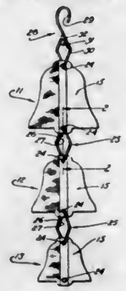
secured together by a pressing action, and held against accidental removal in normal usage, said body of material being of such thickness so as to retain its shape when the projection is pressed into the opening.

2,067,527
ORNAMENT
George A. Greene, Bridgeport, Conn.
Application September 7, 1934, Serial No. 743,041
5 Claims. (Cl. 41—11)



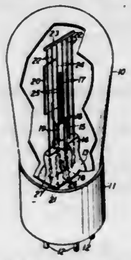
5. In an ornament, an element comprising a flat body portion having a slot entering it from its upper edge and extending for substantially half-way its length, said element otherwise imperforate in its body portion, a perforated lug depending from the lower edge of the element in the plane of the body thereof, a second element of the configuration of said first element and comprising a flat body portion having a slot entering it from its lower edge and extending for substantially half-way its length, said second element otherwise imperforate in its body portion, a perforated lug extending upwardly from the upper edge of the second element in the plane of the body thereof, said slots of each element substantially equal to the thickness of the material of the body portion of the other element, and said elements assembled on one another in intersecting planes with a portion of each of the elements in the slot of the other element.

2,067,528
ORNAMENT
George A. Greene, Bridgeport, Conn.
Application December 11, 1934, Serial No. 756,957
18 Claims. (Cl. 41—10)



3. An ornament comprising a pair of elements each including two wings arranged in intersecting planes, one of said elements slotted from the upper edges of its wings, the other of said elements slotted from the lower edges of its wings, each of said elements having portions of its wings disposed in the slots of the wings of the other element and with each wing of one crossing a wing of the other whereby the elements are immovable relatively about the vertical center line of the ornament, said elements having aligned openings therethrough, and suspending means passing through said openings and securing said elements together.

2,067,529
ELECTRON DISCHARGE DEVICE
Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 20, 1934, Serial No. 712,108
13 Claims. (Cl. 250—27.5)

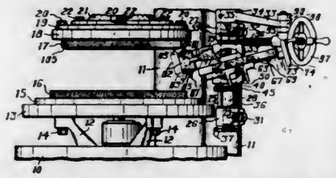


1. An electron discharge device comprising an anode, a control electrode, a cathode between said anode and said control electrode, said control electrode and cathode having aligned wire portions and said anode having portions in alignment with said cathode and control electrode, and shield members adjacent said cathode and having portions beyond the lateral extremities of said control electrode, said shield members being disposed in a surface extending between aligned portions of said anode and control electrode.

2,067,530
DRAWING METAL
Harry K. Ihrig, Milwaukee, Wis.
No Drawing. Application December 28, 1935, Serial No. 56,535
8 Claims. (Cl. 205—21)

1. That method of cold working metal which comprises the steps of providing the metal with a coating of a mixture comprising lamp black and sodium silicate, and cold working the metal while thus coated.

2,067,531
TRUING APPARATUS FOR LAPPING MACHINES
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 6, 1936, Serial No. 72,869
10 Claims. (Cl. 125—11)



3. In apparatus of the class described, a mounting for a dressing tool permitting it as a unit to be oscillated in a horizontal plane, a further mounting for said tool permitting it to be rectilinearly moved at an angle to the horizontal plane, and separate means respectively to control the dressing tool on said mountings.

2,067,532

METHOD OF TREATING A LIQUID MIXTURE CONTAINING OXYGEN DERIVATIVES OF HYDROCARBONS AND PRODUCTS THEREOF

Joseph Hidy James, Pittsburgh, Pa., assignor to C. P. Byrnes, trustee, Sewickley, Pa.

No Drawing. Application October 4, 1928, Serial No. 310,437
27 Claims. (Cl. 167—22)

6. In the preparation of insecticide and fungicide compounds, the steps consisting of sulphonating a partial oxidation product of aliphatic hydrocarbons containing artificially-introduced chemically-combined oxygen, hydrolyzing the sulphates, removing free sulphuric acid and treating with alkali.

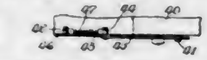
18. An insecticide or fungicide composition containing a sulphonated liquid mixture of oxygen derivatives of aliphatic hydrocarbons and a toxic material having insecticidal or fungicidal properties capable of admixture therewith, the hydrocarbon compounds being sufficient in quantity to spread the mixture in use.

2,067,533

SPARK PLUG COVER

Harry L. Johnson, Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Indiana

Application March 25, 1935, Serial No. 12,997
10 Claims. (Cl. 123—143)



1. An internal combustion engine having an exposed spark plug, and a normally closed cover therefor hinged to the engine for making a tight connection with its outer surface and movable to cover and uncover the spark plug.

2,067,534

METHOD OF AND ELECTROLYTE FOR DEPOSITING RHODIUM

Christian William Keitel, West Orange, N. J., assignor to Baker & Co. Inc., Newark, N. J., a corporation of New Jersey

No Drawing. Application September 19, 1931, Serial No. 563,885
13 Claims. (Cl. 204—1)

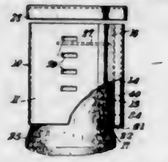
1. An electrolyte for depositing rhodium, made by dissolving rhodium ammonium nitrite in an acid solution.

2,067,535

STEEL WOOL AND SOAP HOLDER

Emanuel Kleinman, Brooklyn, N. Y.

Application May 4, 1934, Serial No. 723,829
14 Claims. (Cl. 15—122)



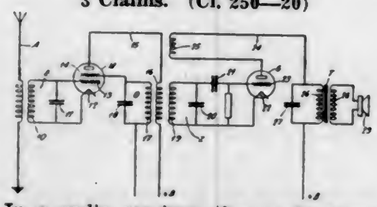
1. In a steel wool and soap holder, a compartment open at its upper and lower ends and adapted to enclose a plug of steel wool except at the operative end of the plug which projects downwardly beyond the compartment, means within the compartment adapted to engage the steel wool for maintaining the steel wool against retraction within the compartment during a scouring operation, and a soap compartment connected to the steel wool compartment and arranged outside of said wool compartment, one of said compartments having a perforated side wall separating the compartments, said soap compartment communicating with the steel wool compartment through said wall and having a bottom wall adjacent the lower end of the steel wool compartment and provided with openings for the passage of cleansing material out of the soap compartment and directly on to the article of work.

2,067,536

REGENERATIVE RECEIVER ARRANGEMENT

Ernst Klotz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 4, 1934, Serial No. 723,815
In Germany May 23, 1933
3 Claims. (Cl. 250—20)



1. In a radio receiver, the combination of a vacuum tube having a cathode, a signal control grid, an oscillator grid, a plate and a third grid located between said oscillator grid and said plate, a circuit tuned to the signal frequency connected between said cathode and signal control grid, a circuit tuned to an oscillation frequency differing from said signal frequency by a desired intermediate frequency connected to said oscillator grid, a circuit directly connected to said plate and tuned to the intermediate frequency, a source of positive potential connected to the low potential end of said last named circuit, and a circuit connected to said third grid and comprising a feedback coupling to said circuit tuned to the oscillation frequency and also a second feedback coupling to the circuit tuned to the intermediate frequency.

2,067,537

WRIST CARRIED IMPLEMENT RETAINER

Edgar L. Kost, Bronxville, and Genevieve Prendergast, New York, N. Y.

Application July 5, 1935, Serial No. 30,028
3 Claims. (Cl. 223—109)



1. A wrist-supported cushion-like retainer for blunt-ended implements, comprising a dished carrier member having an arcuate lower surface and an elastic strap depending from opposite ends of said arcuate surface, a hollow wire mesh member mounted in said carrier, flexible grip means positioned inside said hollow member, said wire mesh having apertures permitting said implements to freely pass therethrough and into frictional engagement with said flexible grip means.

2,067,538

PROCESS FOR MAKING DOUBLE OR TREBLE (CALCIUM) SUPERPHOSPHATE

Walter H. MacIntire, Knoxville, Tenn.

No Drawing. Application January 5, 1934, Serial No. 705,462
4 Claims. (Cl. 23—109)

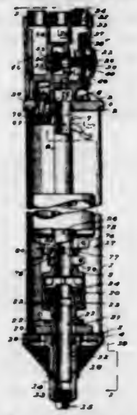
1. The process of making calcium double or triple superphosphate which consists in mixing high-grade comminuted dry limestone with phosphoric acid (H_3PO_4) of approximately 85% concentration in the proportions of 100 parts $CaCO_3$ to approximately 230 parts H_3PO_4, agitating the mixture for approximately two and one quarter minutes, and then permitting the mixture to stand for approximately eight to ten minutes and then again agitating the mixture until granulation occurs.

2,067,539

PUMP

James O. McMillan, Wichita, Kans.

Refiled for abandoned application Serial No. 350,264, March 27, 1929. This application August 15, 1934, Serial No. 739,987
14 Claims. (Cl. 103—246)



1. A pump of the character described, including a cylinder having liquid inlet and outlet means, an oscillating motor, valves operable by the motor controlling the admission of a pressure fluid to the cylinder, a passage for the exhaust of pressure fluid, said motor including a flexible membrane having a chamber at one side thereof, a mounting common to said valves and said diaphragm, a passageway placing said chamber in communication with the atmosphere through said passage, a tiltable master valve alternately opening and closing said passageway, and means controlled by the rise and fall of liquid in the cylinder for actuating said master valve.

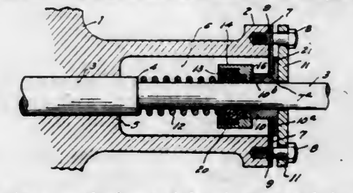
2,067,540

ROTARY SEAL FOR COMPRESSORS AND THE LIKE

George Nanos and Richard R. Blythe, New York, N. Y.; said Nanos assignor to said Blythe

Application April 13, 1936, Serial No. 74,006
3 Claims. (Cl. 286—7)

1. Means for sealing a shaft passing through the wall of a housing, comprising a cup having a shouldered recess surrounding said shaft, a packing of plastic material seated in said cup, means to force said packing into said cup having sufficient strength to distort said packing beyond said shoulder for frictionally retaining said cup on said shaft and forming a seal therebetween, a concave sealing face on the end of the cup, a complementary seal element having a seal face disposed around said shaft, and shiftable laterally with respect thereto, and means for securing the seal element to the housing including an apertured disc, said seal element and disc being constructed and arranged to provide for adjustment of said seal element to secure mating contact between said seal faces.

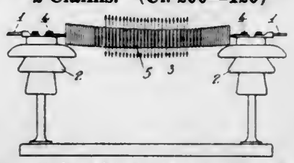


2,067,541

FUSIBLE ELECTRIC CIRCUIT BREAKING DEVICE

Kantaro Nobuhara, Osaka, Japan

Application October 1, 1934, Serial No. 746,432
In Japan October 10, 1933
2 Claims. (Cl. 200—120)



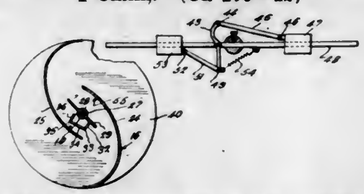
1. A circuit-breaking device for high-tension lines, comprising a fusible wire, and a plurality of thin flat plates separate from each other and made of an incombustible and insulating material, each plate having a small hole at its center, said wire being threaded through said holes, and said plates being aligned in contact with each other along their flat surfaces.

2,067,542

WIND REACTION TURBINE

Jules Denver Penton, Istrouma, La.

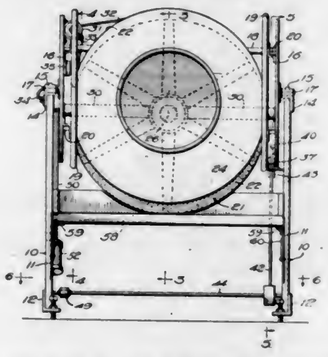
Application May 4, 1935, Serial No. 19,856
1 Claim. (Cl. 170—12)



A reaction wind turbine of the character described comprising a support, a vertical shaft on which said support is rotatably mounted, an upper vane assembly and a lower vane assembly fixedly mounted on said shaft, each vane assembly being formed to provide a transverse distorted wind passage in plan, said vane assemblies being disposed in angular relation with respect to each other, each vane assembly having an interior governor vane of substantially rectangular-shape

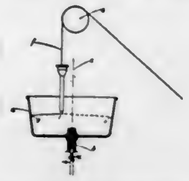
and being provided with a longitudinally extending centrally disposed sleeve through which the vertical shaft of the vane assembly extends, a governor shaft extending through said sleeve between the vertical shaft and the inner side of the sleeve for rotating said governor vanes, and governor mechanism to which governor shaft is operatively connected.

2,067,543
LAUNDRY SHAKE-OUT TUMBLER
Edward D. Purkett, Joplin, Mo., assignor to Purkett Laundry Company, Joplin, Mo., a corporation of Missouri
Application July 26, 1935, Serial No. 33,355
8 Claims. (Cl. 259—81)



1. Apparatus of the character described comprising a tumbler supported for axial rotation, means supporting said tumbler for rotation about a substantially horizontal axis substantially perpendicular to the axis of said tumbler for bodily swinging movement through an arc of over 180° between loading and unloading positions, overbalancing means biasing said tumbler for swinging movement about said horizontal axis away from both of said positions, and means for holding said tumbler in either of said positions.

2,067,544
PRODUCTION OF CRAPED OR CRIMPED ARTIFICIAL YARNS
Hans Radestock, Mannheim, Germany, assignor of one-half to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany, a company of Germany
Application April 4, 1935, Serial No. 14,689
In Germany July 9, 1934
6 Claims. (Cl. 18—8)



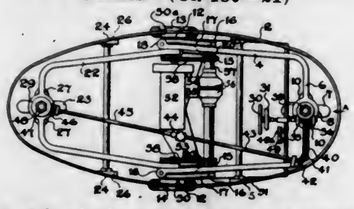
5. Apparatus for the production of craped artificial threads comprising a spinning can and a thread feed member arranged eccentrically to the axis of rotation of said spinning can, whereby the winding stretch is alternately increased and decreased during rotation of the spinning can.

2,067,545
PNEUMATIC TIRE ASSEMBLY
John B. Ricketts, Jr., Lomita Park, San Bruno, Calif.
Application September 24, 1935, Serial No. 41,938
13 Claims. (Cl. 152—22)



1. A pneumatic tire assembly, comprising a rim adapted for application to a wheel, a tire casing on said rim, an inner tube in the casing having an integral metallically reinforced portion extending circumferentially throughout the inner side, which portion contacts with the rim, and securing elements passing thru the rim and said portion and coupling with the metallic reinforcement to fix the tube firmly in relation with the rim.

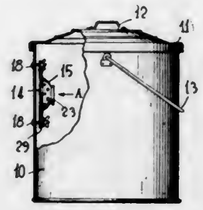
2,067,546
ROAD VEHICLE
Etienne Jean Rocher, Johannesburg, Union of South Africa
Application January 10, 1936, Serial No. 58,591
In Great Britain January 19, 1935
7 Claims. (Cl. 180—21)



2. A road vehicle comprising a transverse axle and four wheels arranged in diamond formation, one at each end and two on said transverse axle which is positioned between the end wheels, said vehicle further comprising a body frame, a subframe carrying at its ends the axle and one end wheel and pivoted to the body frame at a transverse axis between said axle and said wheel, a second sub-frame on which the second end wheel is mounted, said second sub-frame being pivotally attached at transverse axes to the body frame and the first sub-frame respectively, one of such pivotal attachments permitting sliding movement longitudinally of the vehicle, steering means for both end wheels comprising a steering wheel mounted on the body frame and connected to one of the end wheels to steer the latter, and a rotary connection connecting the end wheels including a universal joint the centre of movement of which is in the pivotal axis at which the two subframes are connected.

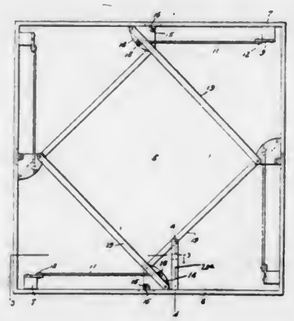
2,067,547
GARBAGE DISINFECTING DEVICE
Louis Schneider and Najam Modad, Carbondale, Pa.
Application June 28, 1935, Serial No. 28,948
3 Claims. (Cl. 220—87)

1. An attachment of the character described, particularly adapted for use with conventional garbage can constructions, said attachment comprising a base plate, bolt-and-nut means for attaching said plate to said can construction, a disinfectant container adapted to be releasably mounted on said base plate, said base plate being deformed to provide a tongue-receiving opening



therein and said container being provided with a projecting tongue adapted to be arranged in said opening when said container is in mounted position, and means for retaining said container in mounted position while permitting ready dismounting thereof.

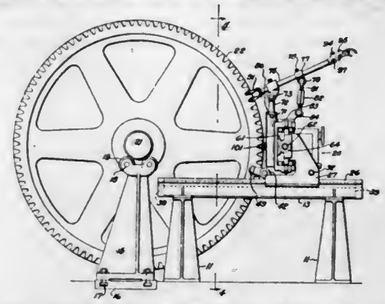
2,067,548
CARD TABLE
Emil Senft, Cleveland, Ohio
Application October 12, 1934, Serial No. 748,117
3 Claims. (Cl. 311—82)



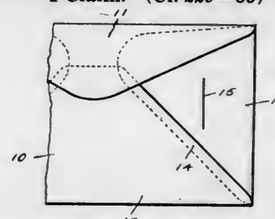
1. In combination, a table top, legs swingably mounted under the top, plates, means for swingably mounting the plates under the table about vertical axes, said plates being located between the leg mountings, connecting rods engaged with the plates at opposite corners of the plates to cause the plates to swing in unison, and actuating rods engaged with the plates between the engaging points of the connecting rods and also engaged with the legs to cause the legs to swing in unison.

2,067,549
MACHINE FOR HARDENING GEAR TEETH
William E. Sykes, Buffalo, N. Y.
Application December 10, 1935, Serial No. 53,789
11 Claims. (Cl. 266—4)

1. A gear hardening machine comprising, in combination with means for rotatably mounting a gear, a heating element, means for moving the heating element in a predetermined path in close proximity to the face of the gear and a tooth thereof, and means cooperating with said moving means adapted to rotate said gear through contact with a tooth thereof an amount proportional to both the movement of the heating element and the inclination of the gear tooth to the axis of the gear.

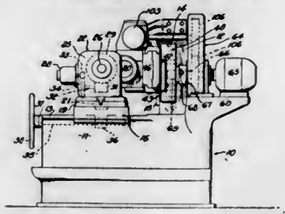


2,067,550
ENVELOPE
James C. Stocks, Atlanta, Ga.
Application June 13, 1935, Serial No. 26,469
1 Claim. (Cl. 229—85)



An envelope comprising a body sheet having a bottom flap, a top flap and end flaps, the end flaps being gummed to the bottom flap and the top flap extending over the end flaps and adapted to be gummed thereto, one of said end flaps being provided with a straight slit extending parallel to one end of the envelope and terminating short of the adjacent edges of the top and bottom flaps whereby to permit the insertion of a finger in the slit and to permit the tearing of the envelope along the line of said slit to thereby detach the outer portion of the slitted end flap from the top and bottom flaps and permit the opening of the end flap.

2,067,551
METAL CUTTING MACHINE
William E. Sykes, Buffalo, N. Y.
Application February 25, 1936, Serial No. 65,635
15 Claims. (Cl. 90—38)



1. A machine for cutting metal surfaces comprising a tool formed with a plurality of spaced cutting edges disposed in and normal to a common surface and a line wholly located in said surface, means for reciprocating said tool in a direction parallel to said surface and said line

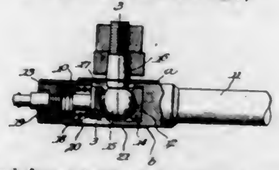
and crossways of said edges and through a distance slightly greater than the distance between said edges measured along said line, whereby each edge travels into the zone traversed by adjacent cutting edges to form a continuous cut, and means for holding a piece of work adjacent said common surface and said line to effect the cutting thereof.

2,067,552
SWITCH
Dwight Taylor, Crystal Lake, Ill., assignor to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 9, 1936, Serial No. 89,783
9 Claims. (Cl. 200—6)



1. An electric switch comprising a stator having a plurality of contacts mounted thereon, a rotor having a plurality of contacts mounted thereon, means for rotatively mounting said rotor with respect to said stator, said means including a shaft having at least one flat along the length thereof, said shaft being readily removable from said rotor and having a projection at one end thereof, said rotor having an aperture therethrough corresponding to the cross-section of the shaft at the place where said projection is disposed, whereby said shaft and rotor may be fitted together in only one position.

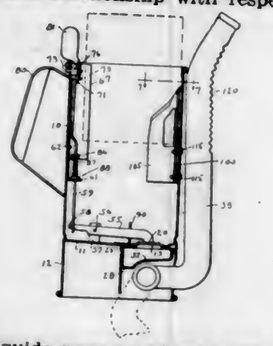
2,067,553
BALL AND SOCKET JOINT
William Todd, Leominster, Mass.
Application June 21, 1933, Serial No. 676,973
9 Claims. (Cl. 287—90)



9. A guard for a ball and socket joint wherein a shank extends from the ball through an opening in the socket, said guard comprising two complemental sections of sheet material adapted to encircle the socket when associated together, means for detachably connecting said sections together, one of said sections having an aperture therein through which said shank extends and movable by the movement of said shank, said opening having a diameter less than the diameter of said ball, said guard serving to retain grease, exclude dirt and prevent the escape of the ball from the socket in case of failure of any of the parts.

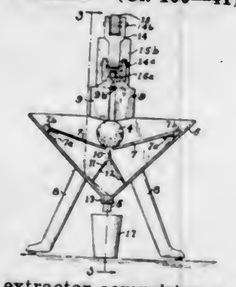
2,067,554
DISPENSING DEVICE
Edgar W. Vahle, Dayton, Ohio, assignor to The Huffman Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application July 31, 1933, Serial No. 682,950
20 Claims. (Cl. 221—23)

1. A liquid dispenser adapted to receive and open a sealed container and to dispense the contents thereof, having a side wall adapted to receive a container in telescopic relationship therewith, a container piercing knife positioned adjacent and in fixed relationship with the side wall, and container guide means extending axially of the dispenser and cooperatively related to the side wall and knife to position a container in predetermined relationship with respect to said



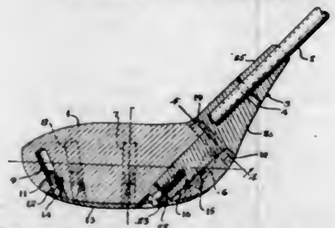
knife, said guide means and said side wall providing three locating lines of engagement with the container two of which are substantially closer together than they are to the third.

2,067,555
FRUIT JUICE EXTRACTOR
Ronald W. Walker, Megargel, Tex., assignor of one-half to Geraldus W. Warren, Megargel, Tex.
Application May 8, 1935, Serial No. 20,503
3 Claims. (Cl. 100—41)



1. A juice extractor comprising a hopper having sides oppositely inclined and meeting to form an apex of the hopper, a cutter above and in line with the apex of the hopper, supporting and elevating plates, each pivoted at its outer edge to the adjacent side of the hopper and each depressible at its inner edge, springs normally supporting the inner edge portions of the plates in elevated position, and plungers for forcing the fruit downwardly and depressing said plates.

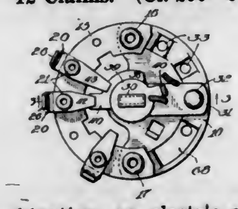
2,067,556
GOLF CLUB
William L. Wettlaufer, Buffalo, N. Y.
Application October 29, 1935, Serial No. 47,278
8 Claims. (Cl. 273—80)



1. The combination with the head and shaft of a golf club, said head having a striking face, of

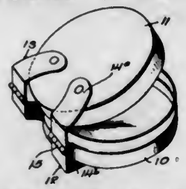
means whereby said shaft may be rotatably adjusted toward and away from the plane of said striking face while retaining substantially its original angle of inclination and means for securing said shaft and head against relative angular movement in the various positions to which said shaft may be adjusted.

2,067,557
ELECTRIC SWITCH
Kenneth C. Allison, Arlington Heights, Ill., assignor to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 28, 1936, Serial No. 98,283
12 Claims. (Cl. 200—9)



1. In combination, an electric switch having spring means for biasing said switch in either one of two positions, an additional switch having means providing more than two positions, indexing means associated with said second switch for setting it in its various positions, means for coupling said switches together so that said two switches are operated together with common index positions, said coupling means being operative only over the two positions of said first switch, and means for rendering inoperative said indexing means on the second switch during the coupling engagement with said first switch.

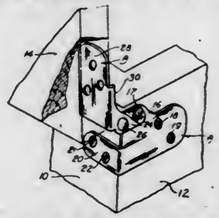
2,067,558
RECEPTACLE, CASE, AND THE LIKE
Axel Anderson, Clifton, N. J.
Application October 27, 1934, Serial No. 750,348
18 Claims. (Cl. 220—1)



1. The combination of members arranged for relative swinging movement towards, and from each other, and flexibly related elements, one of which is pivoted to one of said members and the other to another member for movement about a common axis which normally extends through said members, said flexibly related elements in one position being operative to fasten said members together and in another position to permit relative swinging movement of said members.

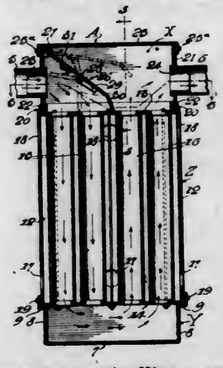
2,067,559
HINGE
Jacob Bloom, Philadelphia, Pa.
Application August 13, 1936, Serial No. 95,735
1 Claim. (Cl. 16—191)

A hinge comprising a pair of pivotally connected fixed and movable members having provision for connection with parts to be hinged together, a combined fastening and stop member, said combined member including an enlarged head projecting beyond the face of the fixed member, said combined member holding the fixed member of said pivotally connected members, and an extension on said other or movable member,



said extension being adapted to engage the enlarged head of said combined fastening and stop member at a predetermined point of relative movement between the pivotally connected members whereby relative movement of the members is arrested.

2,067,560
DAMPER FOR HEATING UNITS
Rhinehard Bollheimer, Fort Loramie, Ohio
Application March 13, 1936, Serial No. 68,761
2 Claims. (Cl. 126—285)

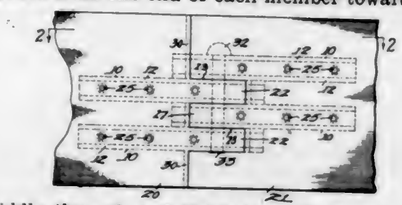


2. A damper for controlling passage through a heating duct rectangular in cross section comprising, a rectangular plate disposed transversely of the duct and formed approximately the same width as and of greater depth than said duct whereby to close said duct when lowered at an incline thereacross, means to pivotally support said plate at its upper edge, a crank arm operable from without the duct and freely engageable beneath the plate for controlling the raising and lowering of said plate, and a stop lug depending from said plate intermediate said pivotal support and the position of said crank whereby said crank will engage the stop in the past dead center position.

2,067,561
CONCEALED HINGE
Laurance R. Clarke, East Lansing, Mich.
Application December 30, 1935, Serial No. 56,696
3 Claims. (Cl. 16—128)

3. Concealed means for hinging a movable part to swing forward on a fixed part about a fixed axis positioned substantially rearward of the rear surface of said fixed part, which comprises a plurality of reversely disposed hinge members of U-shaped cross section, certain of which are attached to the rear surface of said fixed part and the remainder to the rear surface of said

movable part, and a pivot-pin connecting said members, said pivot-pin being substantially spaced rearward from the forward attaching faces of said members and being also substantially spaced from one end of each member toward the



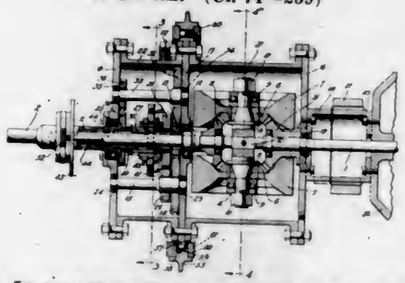
middle thereof, and the hinge members on said movable part having end portions engaging the rear surface of said fixed part and forming stops to limit closing movement of said movable part.

2,067,562

AUTOMATIC TRANSMISSION

Earl E. Cotanch, Los Angeles, Calif., assignor to Automatic Rotary Transmission Co., a corporation of California

Application August 26, 1931, Serial No. 559,561
Renewed May 10, 1933
49 Claims. (Cl. 74—259)



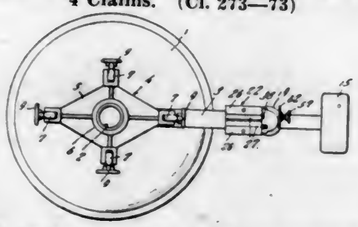
1. In an automatic transmission, a drive shaft, a driven shaft, a plurality of driving mechanisms of different gear ratios operatively connected to said driven shaft, and a differential mechanism operatively connected to the drive shaft and to the driving mechanisms, one of said driving mechanisms including the housing of the transmission, said housing being adapted to rotate, and means for preventing the driving mechanism having the highest gear ratio from being driven backwards by heavy loads on the driven shaft.

2,067,563

RACKET STRINGING MACHINE

John E. Darby, New Orleans, La.

Application August 20, 1935, Serial No. 37,065
4 Claims. (Cl. 273—73)



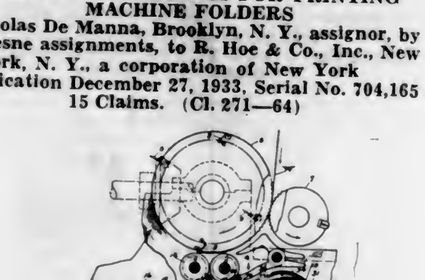
1. A racket stringing machine comprising a supporting structure, a clamp for a racket rotatably mounted on said supporting structure, a string gripper operatively mounted on the supporting structure, and common means for actuating said gripper and for releasably locking the clamp against rotation.

2,067,564

AUTOMATIC DAMPER REGULATOR

McClellan Davidson, Hanover, Pa.

Application May 19, 1936, Serial No. 80,625
4 Claims. (Cl. 137—156)



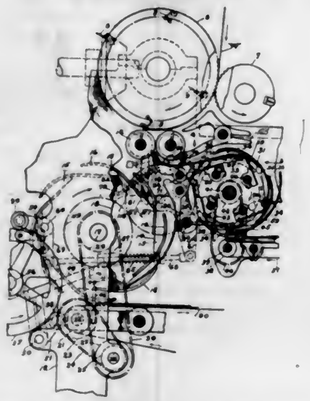
1. In a damper regulator, a chamber of rigid material, a flexible fluid tight diaphragm dividing said chamber into two parts, the edges of said diaphragm being secured to the side walls of said chamber, a nozzle on the bottom of said chamber extending toward said diaphragm, the chamber being thus adapted to hold water up to the level of said nozzle, an inverted cup-shaped cap resting on said bottom and having outlets at its rim, said cap being of sufficient depth to extend above said nozzle said diaphragm being freely movable relatively to said cap, means resting on said diaphragm for transmitting motion of said diaphragm to a part to be moved, whereby steam entering the nozzle will force water under the cap into the chamber above the cap and compress the air therein to lift the diaphragm.

2,067,565

DELIVERY MECHANISM FOR PRINTING MACHINE FOLDERS

Nicholas De Manna, Brooklyn, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application December 27, 1933, Serial No. 704,165
15 Claims. (Cl. 271—64)



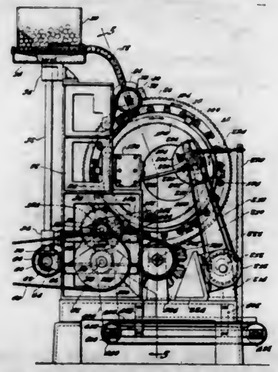
1. In a delivery mechanism for a printing machine folder, separate delivery fans rotatable in the same direction, means for directing alternate products from the folder to the same operative side of each fan, and means for conveying the products from the separate fans away from the folder in the same direction.

2,067,566

APPARATUS FOR AND METHOD OF OPENING NUTS

Samuel B. Field, Holbrook, Mass., assignor to Hawaiian Macadamia Nut Company Limited, Honolulu, Hawaii, a corporation of the Territory of Hawaii

Application January 27, 1934, Serial No. 708,617
8 Claims. (Cl. 146—10)



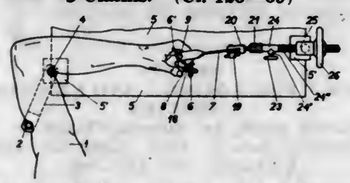
1. In a machine of the character described, in combination, a plurality of gripping members cooperating in pairs, means for revolubly supporting the gripping members, means for rotating the gripping members of each pair about their own axes, means for opening and closing the gripping members, means for feeding individual nuts to said gripping members, while the latter are opened, a grinding member disposed in the path of the nuts and adapted to reduce the shells of said nuts to a substantially uniform diameter, and a rotary saw succeeding the grinding member and adapted to saw a groove in the shells of said nuts as they are being carried by said rotating and revolving gripping members.

2,067,567

APPLIANCE FOR SETTING AND BANDAGING FOREARM FRACTURES

Adam Gruca, Lwow, Poland

Application June 12, 1935, Serial No. 26,257
In Germany March 22, 1935
3 Claims. (Cl. 128—85)



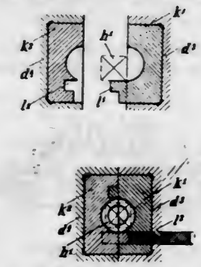
1. Appliance for setting and bandaging forearm fractures comprising: means for supporting and fixing the elbow; means for gripping the fingers, and a draw device connected with said gripping means; a common support for said draw device and said elbow fixing means, both the elbow fixing means and the draw device being independently adjustable upon the common support, said draw device comprising an arcuate yoke pivoted to said finger gripping means; means for fixing said arcuate yoke after adjustment relatively to said finger gripping means; a screw and nut device; a ball joint at the end of the screw; means for clamping said ball joint in an adjusted position; and a clamping device connected to said ball joint for connecting the arcuate yoke, said arcuate yoke being slidable in said clamping device for adjustment.

2,067,568

DIE FOR AUTOMATICALLY WORKING MECHANICAL FORGING MACHINES FOR MANUFACTURING OF SEAMLESS HOLLOW BODIES

Moritz Grünthal, Dusseldorf, Germany

Application January 25, 1935, Serial No. 3,520
In Germany February 8, 1932
11 Claims. (Cl. 78—60)



1. A die for automatically working mechanical forging machines for manufacturing seamless hollow bodies, comprising two-part jaws having a cylindrical former chamber therein adapted to receive a square-shaped prismatic billet, one part of the jaw halves having in its lower part a cut-out portion with an inclined guide on its upper side and a pivot for a lever forming on the one end a support and a slide for the billet projecting between the former halves when being opened, and having a cam on the other end of the lever adapted by its contact with the inclined surface to swing the support vertically when closing and opening the two chamber parts.

2,067,569

HEAT RESISTING IMPLEMENTS

Werner Hessenbruch, Hanau-on-the-Main, Germany, assignor to firm Heraeus-Vacuumschmelze Aktiengesellschaft, Hanau-on-the-Main, Germany

No Drawing. Application March 7, 1935, Serial No. 9,806. In Germany March 24, 1934
4 Claims. (Cl. 75—171)

1. As an article of manufacture and trade a heat resisting implement constructed of a chromium-nickel alloy comprising main and auxiliary elements, the main elements consisting of from 50 to 98 p. ct. of nickel, from 1 to 30 p. ct. of chromium, from 0.01 to 1.2% of metals of the cerium group, from a small but effective amount to 20% of cobalt, the auxiliary elements consisting of from a small but effective amount to 20 p. ct. of metals of the sixth group of the periodic system, besides chromium, and the sum of the cobalt and the last-named metals amounting to 20% at most.

2,067,570

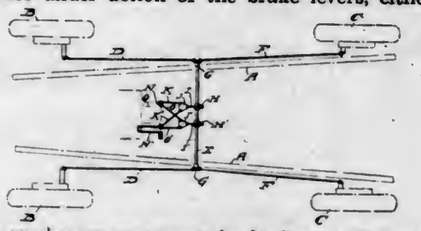
BRAKING MECHANISM FOR AUTOMOBILES

Glenn R. Hoffman, St. Louis, Mo., assignor to Hoffman-Paulding Company, a corporation of Michigan

Application February 14, 1934, Serial No. 711,242
3 Claims. (Cl. 188—106)

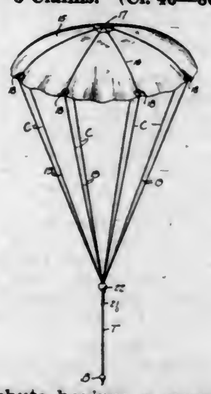
2. In a braking mechanism including wheel brakes; service and emergency brake operating levers, means connecting said levers with the wheel brakes, said means including a plurality of floating fulcrum members operatively connected with each other and also with both the service

and the emergency brake levers, whereby if either fulcrum member fails to function to apply the brakes under action of the brake levers, either



the service or emergency brake lever will function through the other fulcrum member to apply the brakes.

2,067,571
TOY PARACHUTE
Ivan W. Jamieson, Los Angeles, Calif.
Application September 19, 1934, Serial No. 744,701
3 Claims. (Cl. 46—86)

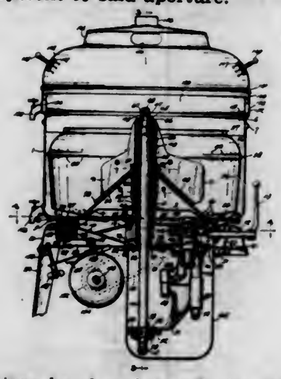


1. A parachute having; a canopy of substantially circular form; cord stretches extending radially from the center of said canopy and terminating adjacent the perimeter of said canopy, and other cord stretches extending beyond the perimeter of said canopy and connected, respectively, to the first mentioned cord stretches and to each other beyond the canopy; fasteners for securing all cord stretches to the canopy; and a weight slidable on the second mentioned cord stretches.

2,067,572
LAUNDRY MACHINE
James B. Kirby, West Richfield, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application January 2, 1931, Serial No. 506,037
52 Claims. (Cl. 68—15)

3. A clothes washing and extracting mechanism comprising a casing adapted to hold detergent liquid and a container for fabrics mounted therein for rotation about a vertical axis, a clothes washing element in said container, a gear box rigid with said casing, mechanism in said gear-box for imparting activity to said element or rotation to said container, selectively, a supporting frame, and springs interposed between said frame and casing in supporting relation.

6. In a laundry machine, an upright metal casing having an aperture in its bottom and an annular seat around said aperture at a distance therefrom, a gear box below said casing, an upright bearing sleeve carried by said gear-box and traversing said aperture, a rigid plate secured to said seat and to said gear box, and leak-preventing packing carried by the exterior of said sleeve and engaging the bottom of said casing adjacent to said aperture.

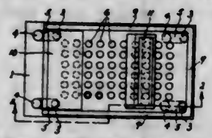


17. A rinse band and trough for the purpose described defined by a cylindrical inner wall portion adapted to fit inside a cylindrical washing machine casing and having a part extending above the rim and a cylindrical outer wall spaced from said inner wall and having at its bottom an inturned flange connected to the inner wall portion and constituting a bottom for the trough and adapted to seat on the casing rim, said trough bottom being located wholly above the rim of said casing.

23. The combination with the casing of a laundry machine, and a clothes container located therein for rotation about a vertical axis and having liquid discharge openings in its side wall, of a removable cover for said casing, a brake shoe carried by the interior of the cover, and means projecting outside the cover whereby said brake shoe may be pressed against said container.

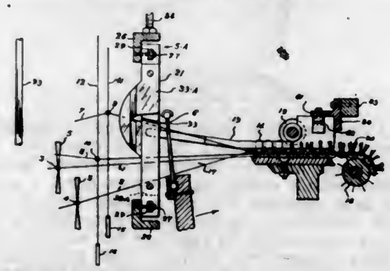
24. In a laundry machine, a casing, an upright sleeve therein a vertical shaft journaled in said sleeve, a container carried and rotated by said shaft and having liquid discharge apertures in its side wall, brake means carried by said sleeve, and means for applying said brake means to said container to arrest its rotation.

2,067,573
DEVICE FOR LOADING AND EJECTING CAPSULES
Frederick Koch, Jr., Queens Village, N. Y.
Application June 1, 1936, Serial No. 82,880
6 Claims. (Cl. 226—40)



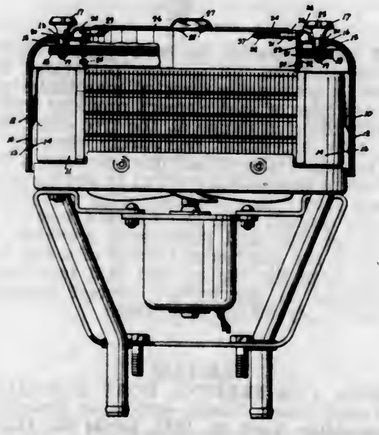
1. In a device of the character described, the combination of a slidable platform having a perforation to receive a capsule to be loaded, a base on which said platform is mounted for horizontal sliding movement said platform having a plurality of depending projections adapted to ride on the base to support said platform a predetermined distance from said base during its horizontal sliding movement, said base having a plurality of recesses with which said projections are registrable to control the ejection of the loaded capsule.

2,067,574
PILE LOOM CONSTRUCTION
John Lowrie, Thompsonville, Conn.
Application May 6, 1935, Serial No. 19,967
5 Claims. (Cl. 139—47)



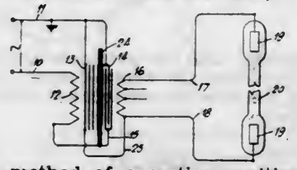
1. In a loom construction, a vertically reciprocable device having closely spaced vertically arranged guide bars in the form of a grate, a series of pile wires on which loops are formed, said wires having free ends extending between the bars of said grate, pockets having cam surfaces along their sides and located on opposite sides of said bars, said pockets adapted to receive the free ends of the wires so that as the grate is reciprocated vertically the ends of the wires are located first in a pocket on one bar and then in a pocket on the opposite side of an adjacent bar.

2,067,575
HEATER
Carl E. Meyerhoefer, New York, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application August 14, 1935, Serial No. 36,067
10 Claims. (Cl. 98—2)



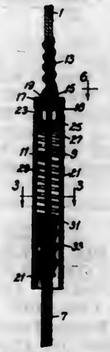
1. A heater comprising a core, a shell encircling the same, a cover plate cooperating with said shell and adapted for rotation with respect thereto, and means carried by said shell and engaging the periphery of said cover to effect the rotation thereof.

2,067,576
METHOD AND APPARATUS FOR OPERATING POSITIVE COLUMN DISCHARGE TUBES
Waldemar O. Mitscherling, Bridgeport, Conn., assignor to Neon Research of Connecticut, Inc., Bridgeport, Conn., a corporation of Connecticut
Application June 19, 1933, Serial No. 676,449
13 Claims. (Cl. 176—124)



1. The method of operating positive column dicharge tubes which comprises connecting the tube across a relatively low voltage source of alternating current of commercial frequency, and modifying the magnetic field of said source so as to superpose a relatively high frequency harmonic upon said commercial frequency by the introduction of selenium in the magnetic field of said source.

2,067,577
FUSE LINK
Carl E. Mosley, Richmond Heights, and Theodore Birkenmaier, St. Louis, Mo., assignors to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application March 23, 1936, Serial No. 70,254
14 Claims. (Cl. 200—135)

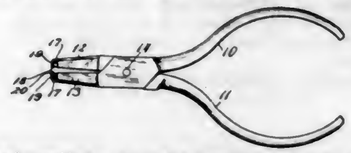


1. A ferrule for fuse links, comprising a cup-shaped portion having an inlet opening of one size for receiving a relatively large conducting element, said ferrule having a relatively small opening at the other end for receiving at least one fusible element, whereby the end of the conducting element and the end of the ferrule are in substantially the same position with respect to the fusible element, the conducting element and the fusible element being permanently held together by a crimp in the ferrule.

2,067,578
PLIERS
Robert Myers, San Francisco, Calif., assignor to M. J. Lampert & Sons, Inc., New York, N. Y., a corporation of New York
Application September 8, 1936, Serial No. 99,739
2 Claims. (Cl. 81—15)

1. A tool of the character described, including a pair of pivotally connected jaws having terminals each of which is recessed at opposite sides,

at opposing points of the terminals, the bottoms of the recesses diverging from the adjacent opposing edges of the terminals to provide wedge-



shaped portions, and the terminals having transverse, correspondingly wedge-shaped, shoulders defined by the recesses and located at the tips of the terminals.

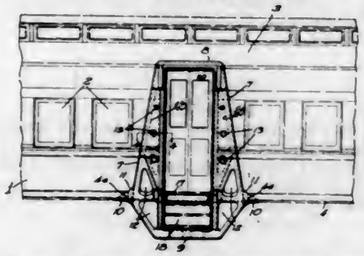
2,067,579

RAILROAD CAR STRUCTURE

Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application December 15, 1933, Serial No. 702,436

5 Claims. (Cl. 105—398)



1. In a railway car body, an underframe including a center sill girder of substantial depth and longitudinally spaced side sill members, and integral doorway frame structure attached to said side sill members and having a lateral projection including a part corresponding in depth to said center sill girder and constituting an underframe transom and attached to said center sill girder.

2,067,580

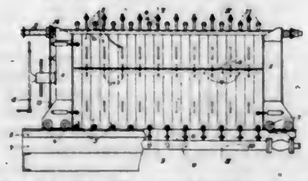
METHOD OF POLYMERIZING ORGANIC COMPOUNDS

Otto Röhm, Darmstadt, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 16, 1934, Serial No. 748,471

In Germany October 9, 1933

6 Claims. (Cl. 18—55)



1. A process for the production of relatively thin bubble free slabs from polymerizable derivatives of acrylic and methacrylic acid capable of forming rigid polymers, which comprises polymerizing said compounds in narrow cells, the walls of which are uniformly heated and maintained at a polymerizing temperature by a circulating fluid, the temperature of which is regulated to conduct away heat generated during polymerization, whereby overheating of the polymer is prevented.

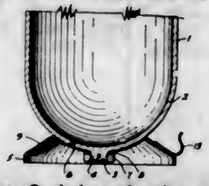
2,067,581

CUSHION FLASK BASE

Cecil H. Smith, Elmira, N. Y., assignor, by mesne assignments, to American-La France-Foamite Corporation, New York, N. Y., a corporation of New York

Application April 12, 1935, Serial No. 15,969

3 Claims. (Cl. 220—69)



1. A cushion flask base having in combination an externally machined flask or container for liquefied gas, as CO_2, having a spherical bottom provided with a radial lathe centre spud, a sheet metal base member having a down-turned outwardly extending elastic skirt constituting an inverted cup having its rim free for contact with the flask supporting surface and providing a cushion support for flask protection and having also an upwardly facing concavity surrounding a central hole receiving the spud of the flask, and means cooperating with the spud for securing the base member and the flask together with the spherical bottom seated in and in extended contact with the concavity.

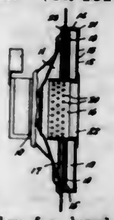
2,067,582

SOUND FILTER FOR LOUDSPEAKERS

Edward Sperling, Belle Harbor, N. Y.

Application September 17, 1936, Serial No. 101,184

5 Claims. (Cl. 181—33)



1. A sound clarifier for loud speaker units or the like including an annular perforated filter element, a rearwardly directed marginal rim at the outer edge of said element provided with an inwardly directed flange at the free edge thereof, a tube extending rearwardly through the inner marginal edge of said filter element, a flexible resilient diaphragm secured to and surrounding said tube with a marginal edge thereof normally in contact with the forward face of the said flange, the said diaphragm provided with notches in the outer edge thereof of a size to be exposed from the flange, and said tube having perforations in the portion thereof extending rearwardly beyond the diaphragm.

2,067,583

DEVICE FOR FEEDING COAL FURNACES

Virgile Stark, Neuilly-sur-Seine, France

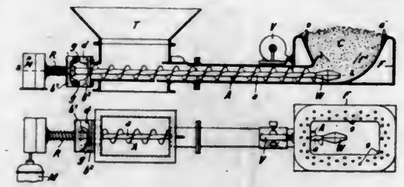
Application April 26, 1935, Serial No. 18,277

In France May 14, 1934

6 Claims. (Cl. 198—64)

1. A device for feeding coal furnaces, comprising a feeding hopper, a furnace, a conveyor screw between the hopper and the furnace emerging under the combustible mass in the

latter, means for imparting to the screw a rotative movement about its axis, means for imparting to said screw a reciprocatory displacement



in the direction of its axis, a pusher member at the end of said screw disposed in the combustible mass in the furnace.

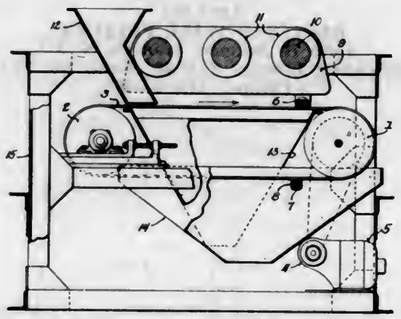
2,067,584

MAGNETIC SEPARATOR AND THE PROCESS OF SEPARATION

Roswell H. Stearns, Milwaukee, Wis., assignor to Magnetic Manufacturing Company, Milwaukee, Wis.

Application October 5, 1931, Serial No. 566,885

21 Claims. (Cl. 209—218)



7. A magnetic separator comprising a primary magnet member, a flexible screen formed of relatively movable elements of magnetizable material forming a secondary induced magnetic member, said screen being mounted between the poles of said primary magnet at right angles thereto and with its opposite longitudinal edges adjacent thereto and with its central portion remote from the poles, and forming a natural return path for the magnetic circuit transversely across said screen.

19. The method of separating finely ground magnetizable from non-magnetizable material consisting in producing a main magnetic field, spreading the material out in a sheet, temporarily supporting the material while spread out in the form of a sheet, and passing the sheet of material through said main magnetic field at right angles to said field with the poles of said field located adjacent the marginal edges of said sheet of material, producing intense local fields at the exact point of separation to hold the magnetizable material at the local intense fields, and moving the said intense local fields at right angles to the main magnetic field, whereby the magnetizable material will be carried out of said main magnetic field, and the non-magnetizable material will drop away at an angle to said main magnetic field while in said main magnetic field.

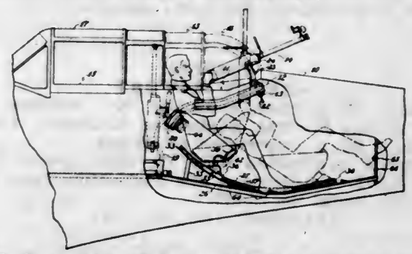
2,067,585

GUNNER'S SEAT AND MOUNTING

Clem G. Trimbach, Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York

Application February 14, 1934, Serial No. 711,105

5 Claims. (Cl. 89—37)



3. In an aircraft body having a gunner's cockpit, a single rail mounted within said cockpit substantially in the plane of symmetry of said body, said rail terminating at one end substantially centrally of said cockpit and extending downwardly and rearwardly to terminate at its other end rearward of said cockpit, a slide movable along said rail and having elements embracing portions of said rail to hold said slide thereon, and a seat swiveled for turning relative to said slide, the swivel axis of said seat being acutely angled relative to a normal to said rail, said rail being so tilted at its forward end as to hold said swivel axis in a substantially vertical attitude when said seat is moved to the extreme forward end of said rail.

2,067,586

LIQUID COATING COMPOSITION

Watson H. Woodford, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

No Drawing. Original application October 8, 1927, Serial No. 225,024. Divided and this application July 26, 1929, Serial No. 381,402

17 Claims. (Cl. 91—68)

5. In the manufacture of paper shot shells, the method which comprises impregnating the shells with paraffin for fireproofing, and coating the shells with a varnish containing a metallic soap for waterproofing.

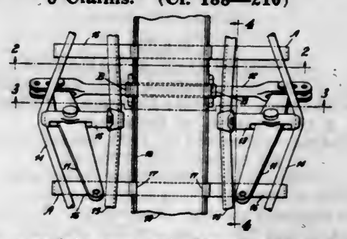
2,067,587

SAFETY SUPPORTING MEANS

Charles A. Zweibel, Louisville, Ky., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application May 29, 1933, Serial No. 673,372

6 Claims. (Cl. 188—210)



5. In a safety support device adapted to be attached to the usual channel-shaped spring plank of a railway car truck, a bar-like member doubled on itself to form a loop for underlying

a brake gear, one leg of said loop terminating in a hook for engaging the top edge of said spring plank flange, and the other leg of said loop having a vertical portion arranged to abut against the outer face of the channel spring plank and then to extend beneath and yieldingly engage the bottom of the spring plank to hold the device in position on the spring plank.

2,067,588
SAFETY SUPPORT
Charles A. Zweibel, Louisville, Ky., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Original application May 29, 1933, Serial No. 673,372. Divided and this application June 17, 1935, Serial No. 26,977
16 Claims. (Cl. 188—210)



1. In a safety support adapted to be attached to the usual channel-shaped spring plank of a railway car truck, the combination with a pair of hook members engaging over the vertical flanges of the spring plank; of an upwardly bowed, resilient, barlike section engaging the bottom side of the spring plank, said barlike section being formed integral with the hook members; and stirrups supported from opposite ends of said barlike section.

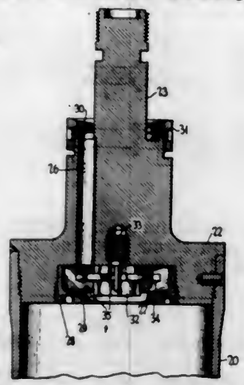
2,067,589
FERTILIZING STICK
Louis C. Antrim, New York, N. Y.
Application October 8, 1935, Serial No. 44,012
13 Claims. (Cl. 47—1)



1. A fertilizing device comprising a spike made of wood and impregnated with a solution containing mesothorium, said spike being adapted to be driven into the ground closely adjacent the roots of a plant.

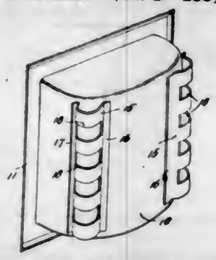
2,067,590
CENTRIFUGAL SEPARATOR
Arthur U. Ayres, Chestnut Hill, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware
Application September 12, 1932, Serial No. 632,730
8 Claims. (Cl. 233—13)

1. In a centrifugal separator, a rotatable bowl in which a separation of constituents of a mixture is adapted to take place under the influence of centrifugal force, means for feeding mixture to the bowl, means for discharging a liquid constituent from the bowl and imperforate means extending from a central portion of the bowl and submerged a relatively small depth in the liquid under treatment for directing all substances passing through the bowl continuously through a zone of high pressure between the zone of feed and the zone of ultimate discharge from the



bowl, said last-named means being located adjacent the opposite longitudinal extremity of the separating zone of the bowl from the zone of feed.

2,067,591
RECESSED WALL FIXTURE
John H. Balmer, Trenton, N. J.
Application January 8, 1936, Serial No. 58,157
5 Claims. (Cl. 4—185)

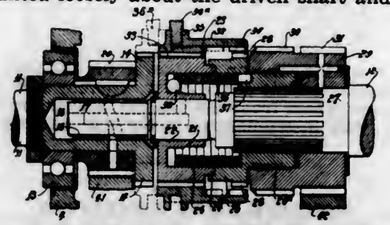


1. In a recessed wall fixture, anchoring means carried by the portion of the fixture body disposed within the wall recess, said means comprising a transversely bowed strip having longitudinally spaced apertures and secured adjacent its opposite longitudinal edges to the fixture body and defining a plurality of arcuate anchoring straps adapted to be embedded in a cementitious material to receive the same and form bonding keys located between the straps and fixture body.

2,067,592
TRANSMISSION
Clarence H. Barton, Indianapolis, Ind., assignor, by mesne assignments, to William C. Starkey, Raymond S. Pruitt, and Walter H. Beal, trustees
Application February 13, 1931, Serial No. 515,434
2 Claims. (Cl. 74—370)

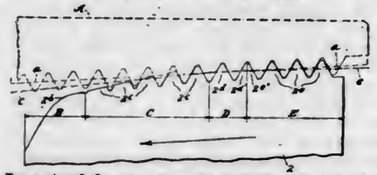
1. A transmission embodying therein a driving shaft having fixedly secured thereto an annular clutch member with splines on the outer periphery thereof, and also having secured thereto a gear of smaller diameter than the clutch member and positioned adjacent to the latter, a driven shaft coaxially positioned with respect to the driving shaft, a jack shaft element having a gear in mesh with and constantly

driven by the gear on the driving shaft, and also having a second gear, an overruning clutch including two, complemental, externally splined, cup-like members and a clutch spring between the members, one of said cup-like members being fixed on the driven shaft and the other being loose on the driven shaft, a gear member mounted loosely about the driven shaft and ad-



jacent to the fixed cup-like member and in mesh with and constantly driven by the second gear on the jack shaft element, and an internally splined collar normally surrounding the loose cup-like member and in mesh with the external splines of the latter and shiftable to connect said loose cup-like member to either the clutch member on the driving shaft or to the gear on the driven shaft.

2,067,593
TOOL FOR CUTTING THREADS
William L. Benninghoff, Cleveland, Ohio
Application April 6, 1934, Serial No. 719,256
10 Claims. (Cl. 10—145)



1. In a tool for cutting taper threads, the combination of a cutter comprising a body, at least one cutting tooth on the body of a size and form adapted to cut the thread to its finished form in at least some part of its contour, and a plurality of cutting teeth on the body arranged in advance of the first mentioned tooth in a series extending lengthwise of the axis of the thread formed by the tool, the teeth of said series differing in size so as to penetrate, from the first to the last tooth, successively deeper into the work and being formed so that they make cuts sufficiently light to prevent metal piling up on the cutting edges of the teeth and gouging through the contour of the finished thread and so that the highest tooth of said series closely approaches but does not reach any part of said thread contour and leaves a still lighter finishing cut yet to be made; means for operatively supporting the cutter; and means for effecting throughout the thread-forming operation a relative feeding movement of the cutter and the work corresponding to the pitch of the thread to be formed and on lines parallel to the taper of the thread.

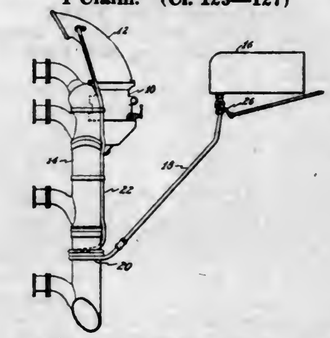
2,067,594
SHARPENING DEVICE
Theodore E. Brown, Berwyn, Ill.
Application November 8, 1935, Serial No. 48,830
3 Claims. (Cl. 51—187)

1. A sharpening device of the character described embodying an elongated substantially rectangular body comparatively thin with relation to its width, a handle at the end of said body, there being a groove of substantial width opening through the face of the body adjacent said handle and extending transverse to the longitudinal dimension of said body, a flexible strip of sharpening material contacting the face of the body with its end extending over said groove, a freely removable substantially U-shaped spring clip, the arms of said clip being of a sub-



stantial width, one of the arms of the clip seated in and substantially filling said groove and extending across said face of the body with the outer face of said arm substantially flush with the face of said body, the said flexible strip being disposed between said clip and the bottom of the groove, the arms of the clip urged transversly of the longitudinal dimension of said body, and the connecting portion of the clip between said arms contacting a longitudinal edge of said strip and also of the said body.

2,067,595
DEICING MEANS
Kenneth A. Browne, Concord, Mass., and Willard B. Goodman, Paterson, and Donald J. Lowman, Clifton, N. J., assignors, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York
Application August 14, 1934, Serial No. 739,808
1 Claim. (Cl. 123—127)

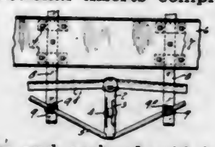


The combination with an engine carburetor having an intake air scoop at the upstream side thereof and an engine exhaust manifold, of a jet at the air intake of said scoop, upstream from said carburetor, an anti-freeze fluid supply tank above said manifold, and a conduit running from said tank to said jet said conduit in part being in heat exchanging relation with said exhaust manifold.

2,067,596
BRAKE BEAM SUPPORT CHAIR
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1934, Serial No. 758,986
16 Claims. (Cl. 188—213)

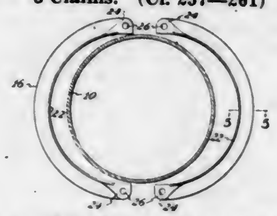
2. In combination, a brake beam member, support chair jaws clamped to said beam mem-

ber, and frictional inserts compressed between



said member and each of said jaws for maintaining the same properly assembled.

2,067,597
COOLING FIN
Roland Chilton, Ridgewood, N. J., assignor to The Reed Propeller Co., Inc., a corporation of New York
Application May 22, 1935, Serial No. 22,725
8 Claims. (Cl. 257—261)



1. The combination with a cylinder to be cooled, of semi-circular fins having end eyes assembled in overlapping relation, and secured around the cylinder by pins inserted through said eyes, the pin and eye axes being parallel to the cylinder axis, each said pin engaging more than two of said eyes.

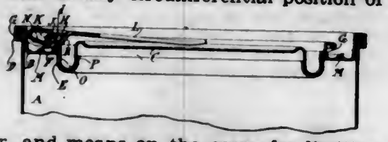
2,067,598
EXPANSION RAIL JOINT
Herbert Secor Clarke, Albany, N. Y., assignor to Ramapo Ajax Corporation, New York, N. Y., a corporation of New York
Application July 29, 1935, Serial No. 33,715
9 Claims. (Cl. 238—171)



1. In an expansion rail joint, a fixed support, a slidable support thereon, a point rail affixed to said slidable support, a guideway affixed to said slidable support and having a straight portion in line with said point rail and a deflected portion extending along the outer side of said point rail, and a laterally flexible rail longitudinally slidable in said guideway.

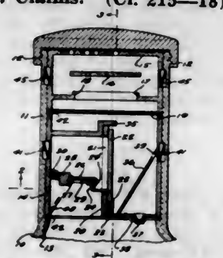
2,067,599
RECEPTACLE
Nicholas P. Courtney, Passaic, N. J.
Application May 28, 1932, Serial No. 614,066
3 Claims. (Cl. 220—43)

1. The combination with a friction top can having a top and a cover, the cover having a bead at its outer margin, of a prying instrument fulcrumed on said bead and adapted to be slid along the same around the cover, a portion of said prying instrument lying between said bead and the top, and the top having a circular bead lying between its inner periphery and its outer juncture with the can body, said bead constituting a ridge against which the prying instrument may bear in any circumferential position of the



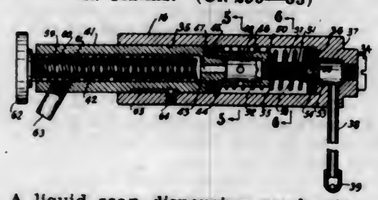
latter, and means on the cover for limiting the closing movement of the cover, whereby said bead is spaced apart from the can top, and permitting the prying instrument to freely slide around the cover.

2,067,600
NONREFILLABLE CONTAINER
Bruce W. Dennis, Middletown, N. Y.
Application August 7, 1935, Serial No. 35,044
7 Claims. (Cl. 215—18)



2. In a liquid container having an aperture for emptying the contents therefrom a device for preventing refilling and substitution which comprises a one-way valve adapted normally to close said aperture but to be opened by the force of the contents thereagainst, a latch adapted normally to lock said valve in closed position but responsive to the force of the contents thereon within the container to release said valve, means adapted to close said valve and said latch, and guard means secured over the mouth of the container beyond said closure adapted to prevent manipulation thereof and tampering therewith, said latch being a pivoted member balanced with respect to its pivot so that straight line acceleration in any direction will have no tendency to disengage it from the valve.

2,067,601
SOAP DISPENSER
William J. Dobkin, Chicago, Ill., assignor to Mac B. Feinson, New York, N. Y.
Application July 28, 1934, Serial No. 737,379
22 Claims. (Cl. 299—83)



1. A liquid soap dispensing mechanism comprising a supply of liquid soap, a cylinder and a hollow piston fitting tightly within the cylinder, a connection between said cylinder and said piston, said cylinder having a port and a valve for the admission of liquid soap from said supply to the interior thereof on movement of the piston

and said piston being provided with means for discharging lather from and admitting air to its interior and having in its interior, mechanism for thoroughly mingling said soap with air to form lather.

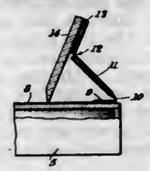
10. In a soap dispenser, a member having two concentric bores of different diameter, an operative element comprising a pair of pistons, one adapted to cooperate with each of said bores and a washer carried by said element closing the end of the smaller cylinder for separating said bores into separate chambers.

15. A liquid soap dispenser comprising in combination a pair of concentric cylinders of different sizes, a pair of concentric pistons and means including a lost motion device for connecting said pistons, each cooperating with one of said cylinders, a check controlled discharge port through the smaller of said pistons from the smaller cylinder to the larger, and a check controlled port for admitting soap to the smaller of said cylinders.

16. A soap dispenser comprising means for simultaneously discharging soap and air mixed together in substantially fixed proportions, means for breaking up said mixture into a lather comprising concentric springs in the path of movement of the mixture, and means for periodically compressing the springs.

22. A soap dispenser including in combination a cylinder and piston, a chamber connected with said cylinder including a lather forming device, said chamber being connected at its other end to the outer air, means for admitting soap to said cylinder including means automatically to limit the quantity of liquid soap to a quantity less than the displacement of said piston, whereby on depression of the piston the contents of the cylinder is discharged through the lather forming device and the latter becomes thoroughly coated with soap and on withdrawal of said plunger air is again sucked in to said chamber from the outside over the same surface.

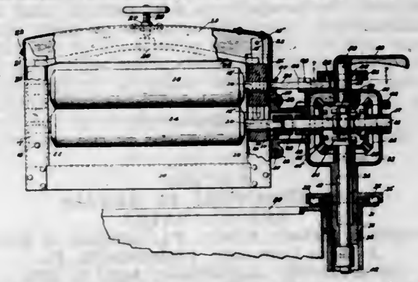
2,067,602
TOILET MIRROR
Adolph Dorfman, New York, N. Y.
Application October 25, 1935, Serial No. 46,694
1 Claim. (Cl. 88—97)



The combination with a base and mirror, of a support for the mirror, said support comprising a hinge adapted to dispose said mirror at an angle to the top surface of the base when in use and retain and protect said mirror face downwardly upon the upper surface of the base when not in use, and including a leg secured to the upper surface of the base, another leg secured to the upper portion of the back of the mirror, and an intermediate leg hingedly connecting said first-mentioned legs, said second-mentioned and intermediate legs together being co-extensive with the mirror.

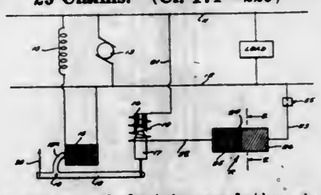
2,067,603
WRINGER RELEASE MECHANISM
Benjamin E. Getz, Morton, Ill.
Application January 28, 1933, Serial No. 653,995
Renewed November 20, 1936
2 Claims. (Cl. 68—32)

1. In a power wringer of the type having a head, a reverse gear in the head and a manual control member for the reverse gear, a frame provided with a freely releasable top portion and rollers; a longitudinally movable latch bolt on the head and having means to engage and re-



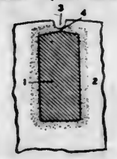
strain the top portion of the frame and also having an angularly projecting lug, said control member having a continuous groove receiving said lug and having means to advance and retract the latch bolt with respect to the top portion of the frame.

2,067,604
ELECTRIC REGULATION
Frank W. Godsey, Jr., North Adams, Mass., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application January 21, 1935, Serial No. 2,707
25 Claims. (Cl. 171—229)



1. In a system of electric regulation, in combination, a circuit having therein electromagnetic means for controlling a regulating means, said electromagnetic means having a certain ratio of thermal capacity to heat-radiating surface thereof and having a positive temperature coefficient of resistance, and means in circuit with said electromagnetic means and having a negative temperature coefficient of resistance and substantially the same ratio of thermal capacity to heat-radiating surface as said electromagnetic means.

2,067,605
LAMINAE CONSTRUCTION FOR DYNAMO-ELECTRIC MACHINES
George A. Griffin, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 28, 1935, Serial No. 13,386
1 Claim. (Cl. 172—120)



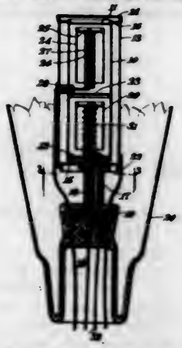
A laminae assembly for use in forming the rotor or stator element of a dynamoelectric machine, which comprises a plurality of laminae

clamped together and having aligned closed slots to receive molten conductive material, the outer ends of said slots being sufficiently displaced from the surface of the assembly that the molten conductive material does not flow between the laminae to said surface, and the laminae being provided recesses in their outer edges and adjacent the outer ends of the slots, the depth of said recesses being such that the radial thickness of the magnetic bridges closing the outer ends of the slots is substantially less than the radial displacement of the ends of the slots from the surface of the assembly.

2,067,606
MANUFACTURE OF ALKALI THIOCYANATES
Edward L. Helwig, Bristol, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa.
No Drawing. Application April 9, 1936, Serial No. 73,435
4 Claims. (Cl. 23—75)

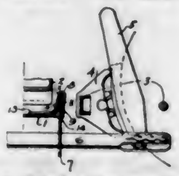
1. The process of preparing alkali thiocyanates which comprises heating a suspension of zinc cyanide in an aqueous alkali carbonate solution with at least one of the group consisting of sulfur and an alkali thiosulfate.

2,067,607
THERMIONIC CATHODE SPACE CURRENT TUBE
William J. Hitchcock, Scotia, N. Y.
Application October 12, 1932, Serial No. 637,433
7 Claims. (Cl. 250—27.5)



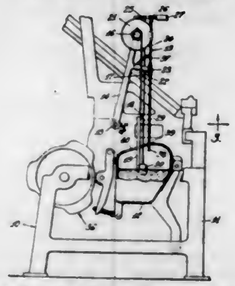
1. A rectifier tube comprising a cathode having a thermionic surface extending around its own emission space and provided with an intermediate partition extending transversely across the enclosed emission space, and an anode in each of the emission spaces separated by said partition.

2,067,608
RAILWAY BRAKE BOTTOM CONNECTING ROD GUARD
George W. Imgrund, Springfield, Ill.
Application November 6, 1933, Serial No. 696,754
13 Claims. (Cl. 188—210)



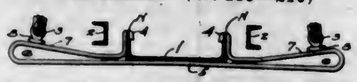
2. A railway brake bottom connecting rod guard including a downturned hook member, there being a lateral extension of substantial length on one of the legs of the hook member and there being a shoulder formed on the other leg of said hook member, said shoulder and the outer end of said lateral extension being arranged to cooperate to engage opposite sides of a mounting for the guard.

2,067,609
INGOT FEEDER FOR TYPE CASTING MACHINES
Paul D. Kendall, Chrisman, Ill.
Application May 1, 1933, Serial No. 668,848
Renewed June 18, 1934
4 Claims. (Cl. 22—80)



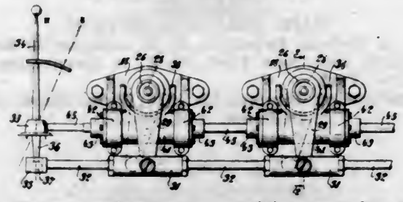
2. A device for feeding pigs or ingots into the melting pot of a type casting machine, said pot having an open top, comprising a rotatable shaft, means for supporting said shaft, a ratchet fast on the shaft, a flexible ingot-supporting element having a length thereof wound about the shaft and having one end thereof attached to the ratchet, a ratchet release rod pivotally mounted between its ends for movement in a vertical plane, means for supporting said rod, said rod having its lower end portion arranged for operative engagement with said pot during the return movement of the pot after the line casting operation, a dog pivotally mounted between its ends on the upper end of said rod for engagement with said ratchet, a flexible float-supporting element attached at its upper end to said dog and projecting at its lower end into said pot through the open top of the latter, a float carried by the lower end of said second-named flexible element in the pot urging the dog into engagement with the ratchet, and a spring attached to said ratchet release rod between said dog and the pivotal mounting of said rod urging the said lower end portion of the rod into operative engagement with said pot.

2,067,610
BRAKE GEAR SAFETY DEVICE
David M. Light, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application August 6, 1934, Serial No. 738,737
21 Claims. (Cl. 188—210)



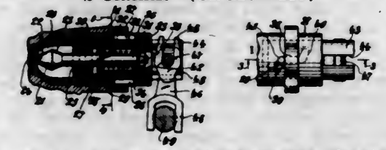
7. In combination, a railway truck part and a device having relatively movable elements for application to said part to be supported thereby and structure projecting laterally from both of said elements and having a portion disposed to underlie and safeguard a brake gear and being of spring material for maintaining said elements in assembled relation with said part.

2,067,611
CONTROL MECHANISM FOR DIESEL ENGINES
Bruno Loeffler, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application June 4, 1935, Serial No. 24,825
10 Claims. (Cl. 123—48)



1. Valve mechanism comprising a valve and valve stem having a plurality of operating positions, a remote manually operable mechanism, and a plurality of means to move the valve stem by the last named mechanism.

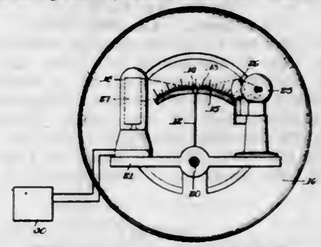
2,067,612
AIR CHAMBER VALVE OPERATING MECHANISM AND CONTROL FOR DIESEL ENGINES
Bruno Loeffler, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application October 11, 1935, Serial No. 44,508
2 Claims. (Cl. 137—139)



1. An air valve for Diesel engines having an air chamber upon opposite sides of which are valve ports and passages, said valve being movable from an intermediate and open position to closed positions against the respective ports, a valve stem for the valve, an operating mechanism, a bushing element fixed on the engine, a sleeve element slidable in the bushing and connected to the valve stem, means to operate the sleeve by the operating mechanism, a groove in one of said elements, said groove having an axially extending portion and angularly extending portions, a lug on the other of the said elements engaging the groove whereby the valve will be locked in each closed position by engagement of the lug with the angularly extending portions of the groove, spaced spring seating washers movable toward each other on the valve stem, a spring between the washers, opposed means on the sleeve to engage the washers, an operating rod, an arm on the rod engaging the sleeve pivotally, and means to move the rod axially and rotatably.

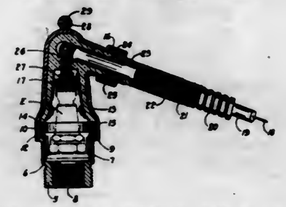
2,067,613
ELECTRIC CONTROL DEVICE
Archie J. McMaster, Highland Park, Ill., assignor to G. M. Laboratories, Inc., Chicago, Ill.
Application September 19, 1932, Serial No. 633,828
5 Claims. (Cl. 250—41.5)

3. In a device adapted to be attached to an indicating meter having a face which includes an indicating hand and a scale with different light reflecting properties, the combination of a casing adapted to be secured to said meter, a support mounted in said casing and rotatable substantially about the axis of rotation of said indicating hand, a light responsive cell and a light source carried on said support, said light source being arranged to direct a beam of light across the path of motion of said hand onto said scale to be intercepted by said hand in response to a



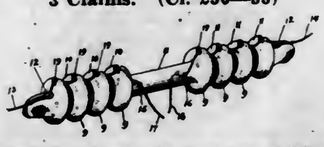
predetermined indication of said meter and to be reflected by the face of said meter to said light responsive cell according to the reflecting properties of said face so that said light responsive cell is illuminated in accordance with the movement of said hand over said scale, and means permitting a manual rotation of said support.

2,067,614
SPARK PLUG BUSHING AND SHIELD
Joseph J. Mascuch, Newark, N. J.
Application November 10, 1933, Serial No. 697,382
8 Claims. (Cl. 123—169)



1. In combination with a spark plug and a cable therefor, a spark plug shield comprising a bushing disposed in the cylinder head around the spark plug and formed with an extension projecting above the surface of the cylinder head and surrounding the base of the spark plug and a cap disposed over the upper part of the plug and in electrical contact with the extension on the bushing.

2,067,615
ELECTRICAL APPARATUS
Clarence W. Metcalf, Sharon, and Rupert L. Haskins, Roslindale, Mass., assignors to Tobe Deutschmann Corporation, Canton, Mass.
Application November 20, 1934, Serial No. 753,862
3 Claims. (Cl. 250—33)

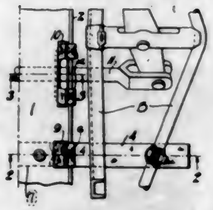


1. An article of manufacture comprising a body of insulating material having sections made of grooves by ribs carried up at the sides thereof, the ends of said body merging into a rounded cap having a hole therethrough and electrical conducting means wound in said grooves and threaded into the holes in the end caps.

2,067,616
PROCESS FOR THE SYNTHESIS OF OLEFINE DERIVATIVES
Richard Z. Moravec, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 5, 1935, Serial No. 9,386
20 Claims. (Cl. 260—156)

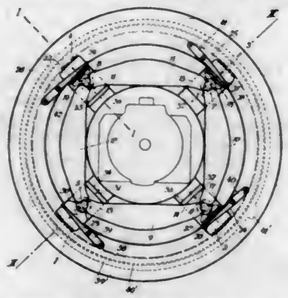
1. In a process for producing an olefine derivative, the step of absorbing an olefine in a liquid mineral acid-acting medium at a temperature and pressure whereat the olefine absorption product is substantially in the liquid phase, while maintaining in said absorption medium a substantially constant ratio or range of free acid to free acid plus water of at least about 0.5.

2,067,617
BRAKE GEAR SUPPORT
Henry R. Naylor, Montreal, Quebec, Canada, assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application September 27, 1933, Serial No. 691,118
In Canada July 8, 1929
35 Claims. (Cl. 188—210)



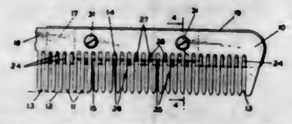
16. In combination, a support, and a brake beam safety device having means integral therewith yieldably securing said device to said support, said securing means being arranged to be be sprung into place on the support.

2,067,618
CLAMPING DEVICE
Alfons Pachta, Ratiborhammer, Germany, assignor to Wilhelm Hegenscheidt A. G., Ratibor, Germany
Application March 26, 1935, Serial No. 13,109
In Germany March 29, 1934
22 Claims. (Cl. 82—40)



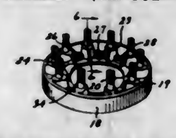
1. A clamping device whereby a substantial equalization of the pressure exerted by the gripping members is effected, comprising a closed linkage having at least four links pivoted on pivot pins, gripping members adapted to coact with the said pivot pins, means for guiding the gripping members substantially in the directions of the lines bisecting the angles of the linkage, means for enabling at least three of the pivot pins to move substantially at right angles to the directions of movement of said gripping members and means for moving the gripping members in said former directions.

2,067,619
HAIR THINNING DEVICE
David Perlson, Brooklyn, N. Y., assignor to Bresduck, Inc., New York, N. Y., a corporation of New York
Application January 23, 1936, Serial No. 60,430
9 Claims. (Cl. 30—32)



1. A device for thinning out hair from a head of hair, comprising in side abutting relation a comb, a cutter blade having a straight cutting edge extending transversely of a group of the comb teeth in spaced relation to the teeth at opposite ends of the comb, and a guard having a flange overlapping an edge of the comb, said guard provided with two sets of ribs at opposite ends thereof projecting beyond the adjacent ends of the cutter blade and intruded into the adjacent tooth spaces and also provided between the sets with a set of lugs fitting in the spaces between certain teeth of said group and having a tooth-like edge with the teeth forming said edge extending across alternate spaces between the teeth of said group to thus conceal the portions of the cutting edge which bridges said alternate spaces and the spaces between the guard teeth located in registry with the other comb spaces of said group thereby to expose the portions of the cutting edge of the blade which bridges said other comb spaces.

2,067,620
WHEEL ASSEMBLY SPREADER
Frank H. Johnston, Alvan R. Lambert, and Herbert L. Brump, Dayton, Ohio, assignors to Ohio Units, Incorporated, Dayton, Ohio, a corporation of Ohio
Application March 23, 1936, Serial No. 70,386
8 Claims. (Cl. 301—36)



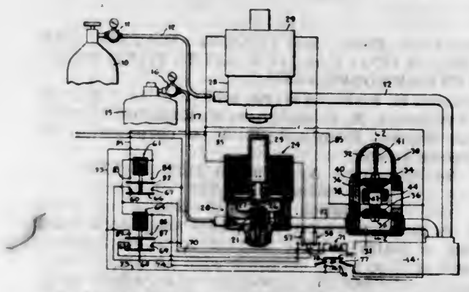
1. A spreader assembly unit for use in spacing wheels supporting adjacently disposed tires for motor vehicles, comprising an annular member having an inwardly projecting flange portion surrounding an annular recess adapted to be seated upon the hub of the wheels, said flange portion being provided with a plurality of equally disposed bosses intermediate equally spaced holes receiving retaining members normally adapted to hold at least one of the wheels in position, said bosses being provided with holes terminating in annular eccentrically disposed recesses in the flange portion and a plurality of bolts, one for the hole in each boss, said bolts having eccentrically disposed annular heads normally seated in the annular eccentric recesses thereby preventing rotation of the bolts.

2,067,621
CUSHIONED SEAT
Isaac Singer, Adolph Singer, and Hyman Singer, Montreal, Quebec, Canada
Application February 20, 1933, Serial No. 657,508
1 Claim. (Cl. 155—179)



A cushion seat comprising a frame having side, and front and back members, a seat spring structure on the top edge of said frame and suspended between the members thereof, a blanket of resilient and spongy material laid on said spring structure and secured to the outer sides of said frame members and an angle strip of similar spongy material permanently secured to the blanket, one edge on the top and the other along the front of the seat and having its apex projected clear of said blanket to form an air pocket along the front edge of the seat.

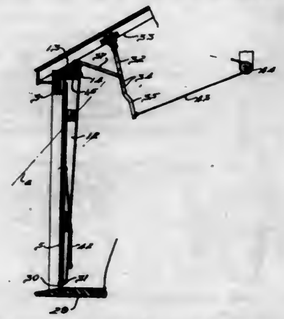
2,067,622
VALVE CONTROL APPARATUS
Donald L. Smith, Caldwell, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 4, 1935, Serial No. 14,657
10 Claims. (Cl. 158—27.4)



1. Apparatus for shutting off the flow of fluid through a supply line, including a normally closed valve in said line, a holding device for maintaining the valve in open position, and valve control means operated by a sudden change of pressure in the conduit to release said holding device so that the valve, if open, returns to its normally closed position.

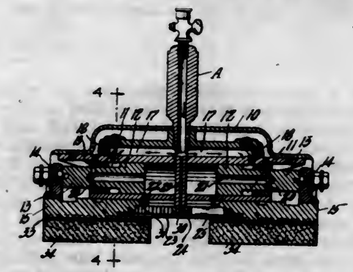
2,067,623
GARAGE DOOR
Wesley A. Smith, Detroit, Mich.
Application June 25, 1934, Serial No. 732,260
6 Claims. (Cl. 20—16)

1. The combination with a framed opening of a building having vertical stiles, a top and a bottom, of a door for closing the opening, means for supporting the door to turn on a horizontal axis, a counter-balancing weight for the door, means for adjusting the door laterally of the axis to center the same between the vertical sides of the opening, means for adjusting the door transversely of its horizontal axis whereby the center of gravity of the weighted door passes approximately through the axis when the door is in a partially open position and enabling the door to automatically move by action of gravity to a fully closed or a fully open position upon displacement in one direction or another from its



balanced position and a flexible element forming the lower edge of the door and engaging the bottom.

2,067,624
MACHINE FOR POLISHING, SANDING, AND THE LIKE
William O. Arnold, Sheboygan, Wis.
Application July 18, 1935, Serial No. 31,983
10 Claims. (Cl. 51—170)

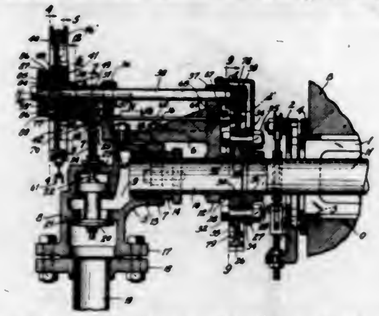


2. A machine as characterized comprising a housing providing a single boring the ends of which constitute opposed cylinders, each of said cylinders having a piston and a piston rod, each of said piston rods at their outer ends having a connecting means mounted thereon, a pair of slides underneath said housing, each slide being beneath its respective piston and made fast with respect to the said piston rods by said connecting means for obtaining in said slides a double reciprocating motion, and inter-engaging means between said slides adapted to synchronize operation of the said slides in opposed directions, and means on the underside of said slides for each mounting a tool thereon.

2,067,625
BOILER CLEANER
Leo J. Bayer, St. Louis, Mo.
Application January 12, 1935, Serial No. 1,527
7 Claims. (Cl. 122—392)

1. A boiler cleaner comprising a soot blower tube, a steam supply pipe, a valve between said supply pipe and tube for controlling the flow of steam to said tube, mechanism for actuating the valve, mechanism for rotating the blower tube, a single rotatory means for operating the valve actuating mechanism and the tube rotating mechanism, means associated with said rotatory means effective on the valve operating mechanism only when said rotatory means is rotated in one di-

rection, and means associated with the rotatory means effective on the tube rotating mechanism



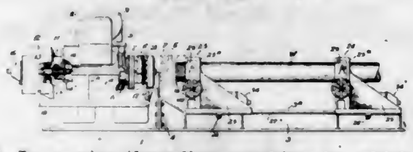
only when said rotatory means is rotated in the reverse direction.

2,067,626

PIPE THREADING MACHINE

William L. Benninghoff, Shaker Heights, Ohio

Application January 28, 1935, Serial No. 3,721
3 Claims. (Cl. 10—107)



1. In a pipe-threading machine in which a thread-cutting tool movably mounted on the machine frame is simultaneously rotated and advanced toward the work, the combination with the machine frame of means thereon for fixedly supporting a section of pipe in axial alignment with the tool while the latter operatively engages it, said means comprising a clamp adapted, without substantial distortion of the cross-sectional form of the pipe, to grip the said pipe sufficiently close to the part thereof to be threaded to hold said part of the pipe against movement transversely of its axis, and a second clamp adapted during the threading operation more strongly to grip the pipe at points sufficiently remote from the part to be threaded so that local distortion of the cross sectional form of the pipe by said clamp will not affect the form of the thread cut on the pipe.

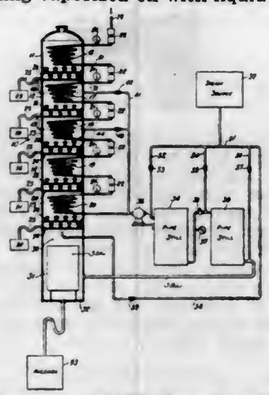
2,067,627

METHOD FOR FLASHING MINERAL OILS

Merrell R. Fenske and Wilbert B. McCluer, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania

Application September 13, 1933, Serial No. 689,330
3 Claims. (Cl. 196—82)

1. A continuous process for vaporizing relatively high boiling lubricating oil components contained in a mineral oil, said mineral oil also containing relatively lower boiling components, comprising flowing a continuous stream of oil through a heating zone wherein said oil is brought to a cracking temperature for said oil while being subjected to superatmospheric pressure sufficiently high to keep as much of the oil as possible in the liquid phase and to keep that portion of the oil which may be in the vapor phase at a relatively high density, projecting the oil of said stream after it reaches a cracking temperature but before any substantial cracking takes place and with reduction in pressure into an intermediate vaporization zone of substantial length wherein vaporization is restricted and takes place over an extended period with reduction in temperature of said oil to at least a non-cracking temperature for any component present, thoroughly mixing vaporized oil with liquid oil as said



materials flow co-currently through said intermediate vaporization zone while holding the temperature below a cracking temperature for any component present, and then projecting said mixture of vaporized oil and liquid oil into a flash vaporization zone to cause additional vaporization.

2,067,628

PROCESS FOR SOFTENING WATER AND DISSOLVING CALCIUM SALTS WITH THIO-TETRAPHOSPHATES

Augustus H. Fiske, Warren, and Charles S. Bryan, Providence, R. I., assignors to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island

No Drawing. Application May 15, 1936,
Serial No. 79,916
5 Claims. (Cl. 210—23)

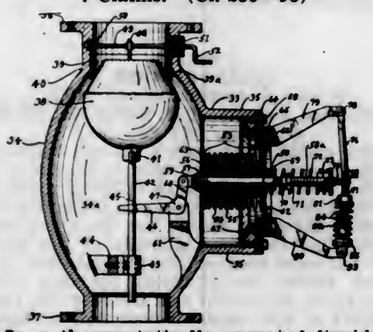
1. A process which comprises adding to hard water a water-soluble salt of a thiotetraphosphoric acid so as to combine with an alkali earth metal to prevent the deposition of an alkali earth metal compound therein.

2,067,629

AUTOMATIC VALVE FOR HEATING SYSTEMS

Charles N. Flagg, Meriden, Conn.

Application July 28, 1932, Serial No. 625,348
7 Claims. (Cl. 236—93)



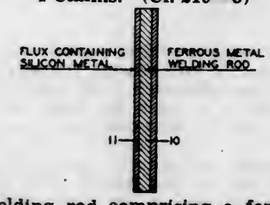
6. In a thermostatically operated liquid control valve, a hollow liquid-containing casing having inlet and outlet ports, a valve in said casing having a weight less than the weight of the liquid displaced thereby, the buoyancy of the liquid in said casing normally holding said valve against said outlet port, and thermostatic means in said casing for lowering said valve from its seat whenever the temperature of the liquid in said casing exceeds a predetermined point.

2,067,630

WELDING ROD

Russell Franks, Jackson Heights, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application July 28, 1934, Serial No. 737,384
4 Claims. (Cl. 219—8)



1. A welding rod comprising a ferrous metal body containing columbium and a coat thereon, the said coat containing about 1% to 50% metallic silicon.

2,067,631

WELDING ROD

Frederick M. Becket, New York, and Russell Franks, Jackson Heights, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application July 28, 1934,
Serial No. 737,386
2 Claims. (Cl. 219—8)

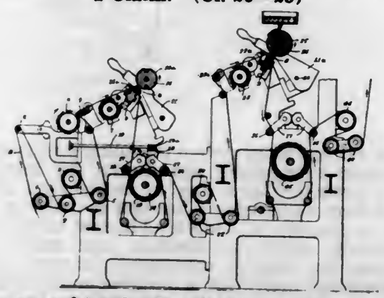
1. A welding rod having substantially the composition: 12% to 30% chromium; 5% to 30% nickel; 0.01% to 0.3% carbon; 0.1% to 3% columbium, the columbium content being at least about eight times the carbon content; 0.7% to 2% silicon; balance substantially all iron.

2,067,632

CLOTH FINISHING MACHINE

Wilfred N. Hadley, Winchester, Mass., assignor to Parks & Woolson Machine Company, Springfield, Vt., a corporation of Vermont

Application June 7, 1933, Serial No. 674,683
1 Claim. (Cl. 26—28)



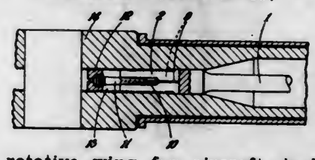
In a machine for face finishing cloth the combination with means for continuously feeding a web of cloth through the machine, of a nap raising element comprising a revoluble cylinder of unyielding material covered with crushed glass presenting projecting fine sharp points for raising and paralleling the surface fibers of the fabric, a revoluble burnishing element arranged rearwardly of the glass coated cylinder and comprising a non-abrasive cylinder of hard compressed block felt, means for presenting and supporting successive salient portions of the travelling cloth against each of said cylinders, and means for rotating said cylinders at relatively higher speed than the travel of the cloth and in the same direction whereby a fine close nap is raised on the face of the cloth and then smoothed and compressed to form a uniform light-reflecting surface.

2,067,633

ROTATIVE WING AIRCRAFT

Raoul Hafner, Vienna, Austria

Application July 27, 1935, Serial No. 33,465
In Great Britain December 12, 1934
4 Claims. (Cl. 244—39)



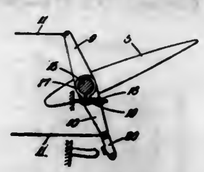
1. A rotative wing for aircraft, including a rotary hub, a plurality of variable-pitch sustaining blades radiating therefrom, torsionally resilient tie means anchoring each blade to said hub and torsionally stressed by pitch changes thereof, and means for angularly adjusting either end of said tie means to adjust the pitch angle at which its resilience tends to maintain said blade.

2,067,634

AIRCRAFT TAILPLANE

Raoul Hafner, Vienna, Austria

Application July 27, 1935, Serial No. 33,466
In Great Britain December 12, 1934
5 Claims. (Cl. 244—83)



2. In a rotary wing or other aircraft capable of entering steep descents without substantial changes in its attitude, the combination of a generally horizontal stabilizing tailplane rockable about an axis transverse of the aircraft, means operable by the pilot to adjust said tailplane into substantial alignment with the relative air flow at all times, and friction means applying to said tailplane a restraint against loss of adjustment which is diminished in value when said tailplane is aligned with the upward air flow during a steep descent.

2,067,635

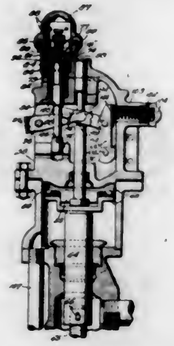
AIR MOTOR

Cleo Harris and Clyde G. Butler, Cincinnati, Ohio, assignors to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio

Original application July 27, 1931, Serial No. 553,297, now Patent No. 1,981,507. Divided and this application August 25, 1933, Serial No. 686,793
5 Claims. (Cl. 121—164)

1. An air motor, comprising, a piston and cylinder, an air supply conduit means connected to

the cylinder of said air motor, a valve in said conduit means, said valve including a stem, said air motor piston including a rod, and a valve control toggle having its knuckle directly engaged by said piston rod, one of the arms of said toggle extended beyond the knuckle and acting on said valve stem for alternate admission



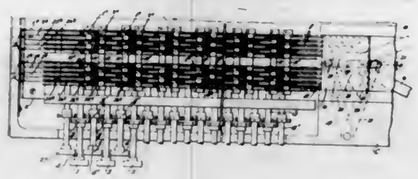
of air into the motor cylinder and exhaust therefor, said valve stem and piston rod disposed between the pivots of said toggle, said valve control toggle arranged for delivering snap action to the valve stem at the limits of stroke of the piston for rapid opening and closing thereof.

2,067,636
VIBRATION DETECTOR
Carl A. Heiland, Denver, Colo., assignor to Heiland Research Corporation, Denver, Colo., a corporation of Colorado
Application April 24, 1934, Serial No. 722,208
5 Claims. (Cl. 177—352)



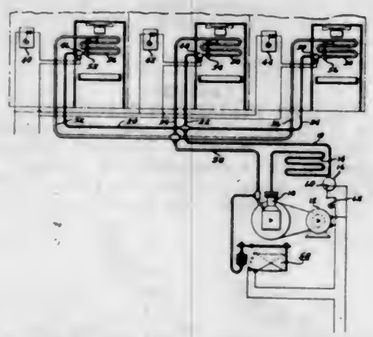
1. In a vibration detector, the combination with a plurality of completely separate permanent tubular magnets each magnet having a pole at each of its ends and located one within the other and with their poles reversed, thereby providing magnetic fields between said poles, of current generating coils surrounding the ends of the inner magnet and located in the magnetic fields, and vibratory means for supporting the coils to permit their movement longitudinally of the magnets.

2,067,637
PRINTING MACHINE
Morris J. Hoffman, Chicago, Ill., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 6, 1935, Serial No. 25,280
11 Claims. (Cl. 101—96)



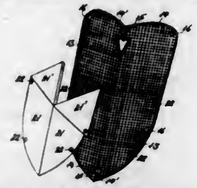
1. In a printing machine, similar sets of axially aligned, spaced type wheels, the sets being arranged parallel with each other and the respective type wheels of each set being arranged in alignment with the corresponding type wheels of the other sets, other similar sets of axially aligned, spaced type wheels located between the first named sets of type wheels with the several type wheels disposed in the spaces between the type wheels of the first mentioned set, and setting means for simultaneously setting all the type wheels of any set of aligned type wheels, whereby to print alternate lines of similar data, and to print lines of similar data between said alternate lines of data but different from that of the alternate lines.

2,067,638
REFRIGERATING APPARATUS
James R. Hornaday, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 16, 1935, Serial No. 6,798
8 Claims. (Cl. 62—1)



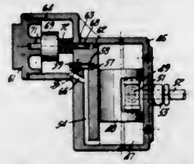
1. A refrigerating system including a receptacle for liquid refrigerant and means for indicating a predetermined loss of refrigerant from said system comprising a member movable in respect to changes in liquid level in said receptacle, a normally stationary member, and means responsive to relative movement between said members for indicating a predetermined loss of refrigerant, one of said members being adjustable to an abnormal position to simulate a change in liquid level for test whereby it may be moved a predetermined distance while the liquid level remains stationary to indicate whether the system is charged properly to assure a correct indication when said one member is in normal position.

2,067,639
RADIATOR PROTECTOR
Virgil L. Lett, Denver, Colo.
Application March 25, 1935, Serial No. 12,887
4 Claims. (Cl. 257—132)



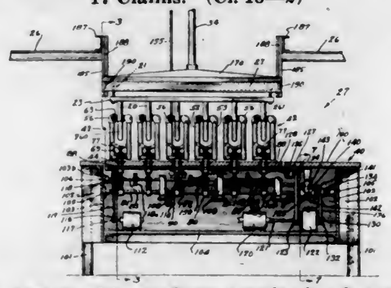
1. As an article of manufacture, a flexible radiator protector assembly adapted for removable association in overlying conforming relation with the grid of a radiator, said assembly comprising a pliant, normally flat sheet of foraminous material having small perforations and adapted to be bent to conform to the frontal contour of a radiator grid, a flexible binding for margins of said sheet, a plurality of fasteners carried by said sheet and projecting from the rear face thereof for engagement with elements of a radiator grid to hold the sheet in shielding relation to the front face of the radiator grid, an imperforate pliant sheet adapted to fit against the front face of the foraminous sheet, and means for detachably securing the imperforate sheet against the front face of the foraminous sheet.

2,067,640
STABILIZER
Joseph D. Madden, Oakland, Calif.
Application January 28, 1933, Serial No. 653,936
1 Claim. (Cl. 267—11)



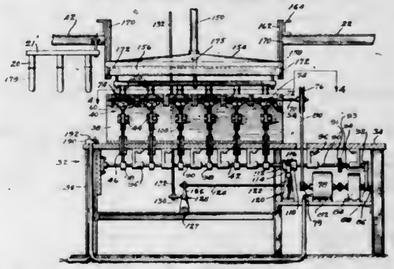
A vehicle stabilizer comprising a hydraulic device adapted to be installed on a vehicle, said device having therein a passage for hydraulic flow, a weight located entirely within said passage and adapted to move in response to deviations of said vehicle from a straight path for restricting said passage, and a spring disposed within said passage for resisting movement of said weight.

2,067,641
BEAD FORMING MACHINE
Stanley S. Millen, Glendale, Calif., assignor to Julius Schmid, Los Angeles, Calif.
Application October 11, 1935, Serial No. 44,555
17 Claims. (Cl. 18—2)



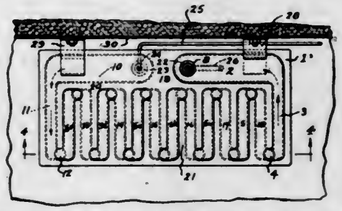
1. In a machine to form annular beads around the open ends of thin rubber articles, a form to support said articles, rotating brushes in contact with said form and said article and means to revolve said rotating brushes around the medial vertical axis of said form, said brushes being supported upon tubular columns, and means to oscillate said columns whereby said brushes are intermittently brought into contact with said form and said article.

2,067,642
STRIPPING MACHINE
Stanley S. Millen, Glendale, Calif., assignor to Julius Schmid, Los Angeles, Calif.
Application November 7, 1935, Serial No. 48,722
10 Claims. (Cl. 18—2)



1. In a machine to strip thin rubber articles from forms by frictional contact, laterally movable shafts provided with friction means, means to constantly rotate said shafts, and means to move said shafts from and into frictional contact with said forms, and elevator means to move said forms and the articles on said forms, in vertical directions, against the direction of rotation of said shafts and said friction means.

2,067,643
FLAT TYPE EVAPORATOR STRUCTURE
Roland H. Money and Lewis M. Crosley, Cincinnati, Ohio, assignors to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application August 23, 1934, Serial No. 741,132
7 Claims. (Cl. 62—126)

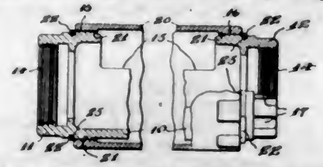


5. An evaporator of broad, flat shape and for horizontal use comprising headers, and a continuous tubing extending between said headers, said evaporator consisting of a pair of identical embossed metal plates welded together in opposed relationship, each of said plates being embossed to form one header, said header being completed by an unembossed portion of the other plate.

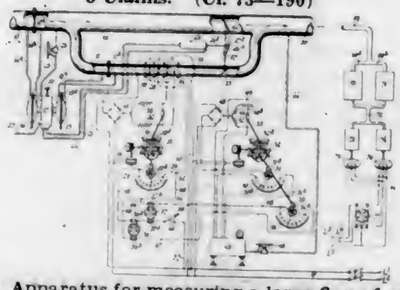
2,067,644
PULL BOX
Raymond H. Olley and Carl H. Bissell, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application July 29, 1935, Serial No. 33,653
4 Claims. (Cl. 247—15)

1. A pull box for electrical conduit lines comprising a body trough shaped in cross section and

being provided with cylindrical end portions, said end portions being formed with conduit receiving passages and being threaded externally, a cylindrical sleeve having internal threads complemental to the external threads on said end portions, said sleeve being removable axially from said body when the same is connected in the conduit line.



2,067,645
APPARATUS FOR MEASURING FLOWING GASEOUS FLUIDS
Clarence S. Pinkerton, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 15, 1934, Serial No. 748,292
8 Claims. (Cl. 73—190)



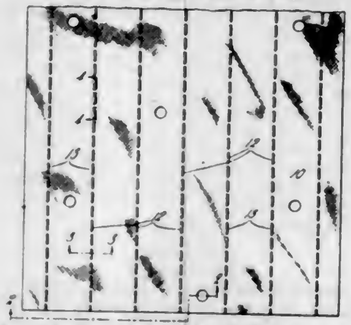
1. Apparatus for measuring a large flow of gaseous fluid, which comprises conduits arranged to provide passage for a main stream of fluid and thereafter dividing it into a relatively large branch stream and a relatively small branch stream and for thereafter re-uniting said branch streams, means for utilizing a pressure effect produced in the main conduit and a pressure effect produced in one of the branch conduits to jointly effect control of the volumetric rate of flow in said one of the branch conduits whereby a definite and constant ratio of the volumetric rates of flow in said branch streams is maintained, and means for measuring continuously the volumetric flow of fluid in said small branch stream in a manner to compensate for variations in temperature, pressure and saturation conditions of the fluid, said last mentioned means being calibrated to indicate directly the volumetric flow of fluid in both of said branch streams.

2,067,646
METHOD OF AND APPARATUS FOR MAKING BAGS
Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application May 6, 1935, Serial No. 19,961
24 Claims. (Cl. 93—8)



3. A machine of the class described, comprising in combination tube forming mechanism, means for advancing the tube, slitting mechanism for slitting one wall of the moving tube, severing mechanism for severing the tube into bag lengths with the slits at one end of the bag length, forwarding mechanism for forwarding the bag lengths lengthwise to a bottoming station, means in the path of travel of the bag lengths for turning the bag length end for end during its lengthwise movement, bottoming mechanism, and means for continuously advancing the bag length to said bottoming mechanism.

2,067,647
BELT AND METHOD OF MAKING SAME
John T. Potts, Salt Lake City, Utah, assignor to Hewitt Rubber Corporation, Buffalo, N. Y.
Application August 8, 1935, Serial No. 35,326
10 Claims. (Cl. 154—4)



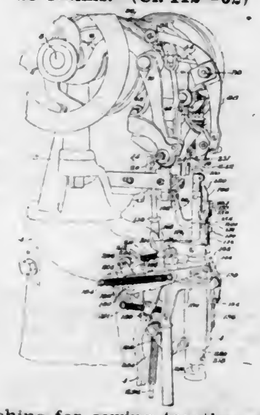
3. A rubberized fabric belt comprising a plurality of laminations of rubber and fabric, each of substantial thickness, superposed face to face to provide a multi-layer belt, with distinct layers of rubber of substantial thickness substantially spacing the fabric layers from one another, a plurality of rows of stitching through all the layers, disposed at intervals across the width of the belt, and progressing in a direction lengthwise of the belt, the thread of each row being uncut and continuous over substantially the entire length of the belt, said layers and stitching being vulcanized together, said belt having apertures of substantial size passing entirely from face to face of the belt and disposed at intervals across and lengthwise of the belt and cooperating with the stitching to increase the service life of the belt.

2,067,648
CIRCUIT BREAKER
Carl Reher, Berlin-Halensee, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 18, 1934, Serial No. 758,061
In Germany December 23, 1933
12 Claims. (Cl. 200—148)



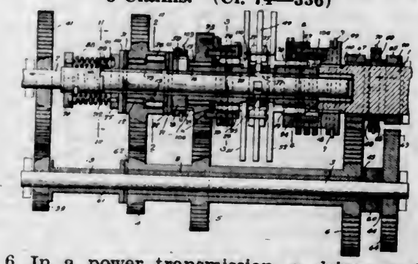
1. In a circuit interrupter, a reservoir, a quantity of a gaseous arc extinguishing fluid contained within said reservoir under pressure, means for establishing an arc, a plurality of separate conduits extending transversely to said arc and being vented at one end thereof only, each of said separate conduits being in separate parallel planes transverse to said arc, and means for supplying the unvented end of each of said separate conduits with said arc extinguishing fluid for subjecting different portions of said arc to separate, flowing streams of said arc extinguishing fluid, the axes of flow of at least some of said streams being substantially at right angles to the axis of said arc and being displaced, with respect to each other, through a substantial angle.

2,067,649
SEWING MACHINE
Fred Ricks, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 17, 1935, Serial No. 45,444
In Great Britain November 14, 1934
23 Claims. (Cl. 112—62)



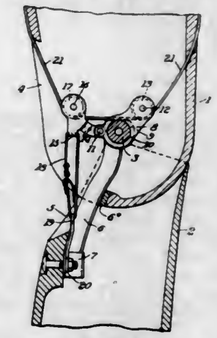
1. A machine for sewing together a shoe sole and the overlapping margin of an upper while unsupported by a last having, in combination, stitch forming devices including a curved needle arranged to pass through the upper and enter and emerge from the same surface of the sole, a work support to extend within the shoe, a work support to engage the shoe externally, and means for supporting said work supports for movement alternatively into sole supporting position.

2,067,650
AUTOMATIC SPEED CHANGE POWER TRANSMISSION
Georges Roudanez, Chicago, Ill.
Application October 17, 1932, Serial No. 638,165
8 Claims. (Cl. 74—336)



6. In a power transmission, a driven and a driving shaft, three sets of variable speed transmission gears simultaneously actuated by the driving shaft, driven gears of each set rotatably mounted and operatively connected with the driven shaft in one direction through individual one-way over-riding mechanisms, said one-way mechanisms other than low speed having individually controlled means adapted to permit connection or disconnection of the driven gears with the driven shaft, speed responsive means and torque resistance means adapted to operatively actuate said control one-way mechanisms, said speed responsive means adapted to operatively actuate said control one-way over-riding mechanisms to successively operatively connect the driven gears of each set with the driven shaft from low to second to high, connective means between said speed responsive means and said torque resistance means to prevent said speed responsive means from connecting the driven shaft to a higher speed gear until the predetermined torque resistance of the driven shaft has been reached for said higher speed, and to maintain the said connected set or sets in connected position, until either the said speed responsive means or the said torque resistance means successively disconnect the driven gears from the driven shaft from high to second to low.

2,067,651
ARTIFICIAL LEG
Albert T. Rowley, Pittsburgh, Pa.
Application October 29, 1934, Serial No. 750,496
10 Claims. (Cl. 3—2)

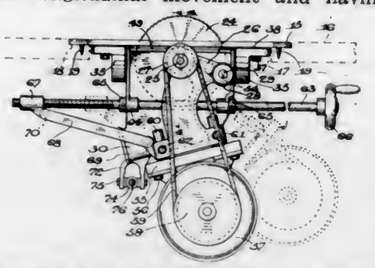


1. In an artificial leg comprising a thigh member and a shank member hinged together by a pivot bolt, a back-check secured at its lower end to the rear inside of the shank member and provided with a bearing in which the intermediate portion of the pivot bolt is journaled, an upwardly and forwardly disposed extension of the back-check, a roller carried by said extension, a frame pivotally attached to the back-check at the rear of the pivot bolt and below the level of said roller and extending rearwardly from the back check, a second roller mounted in said frame, an artificial muscle connecting the shank member to the pivoted frame and tending to bend the knee, and suspension cords extending down around said rollers.

2,067,652
WOODWORKING MACHINE
Herbert E. Tautz, Milwaukee, Wis.
Application August 4, 1934, Serial No. 738,479
5 Claims. (Cl. 143—35)

1. In a wood-working machine, the combination of a top member having a cutter opening, a frame tiltably carried by said top member, a cutter arbor, an arbor-supporting member swingably carried by said frame for raising and lowering said arbor, and a rotary shaft journalled in said

frame and extending along an axis fixed with respect to said frame, said shaft being confined against longitudinal movement and having a



screw-and-link connection with said swingable member for adjusting the angular position of said swingable member.

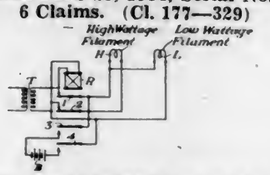
2,067,653

SIGNAL LIGHTING APPARATUS

Harold G. Witmer, Pittsburgh, and Claude M. Hines, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application June 28, 1934, Serial No. 732,950

6 Claims. (Cl. 177—329)



1. Electric signal lighting apparatus comprising a main high wattage filament, an auxiliary low wattage filament, a main source of current, an auxiliary source of current, a transfer relay having its operating winding constantly connected with said main source of current, and means including contacts of said relay for connecting said main source in circuit with both of said filaments or said auxiliary source in circuit with only said auxiliary filament according as said transfer relay is energized or de-energized.

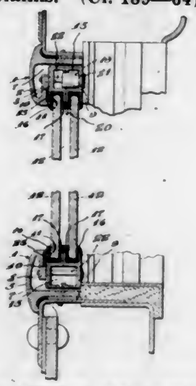
2,067,654

WINDOW CONSTRUCTION

Roy T. Axe, Syracuse, N. Y., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y., a corporation of New York

Application May 17, 1935, Serial No. 22,028

9 Claims. (Cl. 189—64)



1. In a double window sash construction, the combination of opposing sash frame sections, each having channels for holding a glass pane independently of the other, means for clamping the sections together, and compressible sealing means between the sash sections and individual thereto, and arranged to compress one on the other when the sash sections are clamped together.

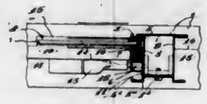
2,067,655

WINDOW CONSTRUCTION

Roy T. Axe, Syracuse, N. Y., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y., a corporation of New York

Application October 31, 1935, Serial No. 47,652

4 Claims. (Cl. 189—72)



1. In a window construction, a window frame, a sash movable in the frame, the sash including stiles, the sash and frame including interfitting guide elements, the guide element carried by the sash being located entirely on one side of the portion of the stile in which the glass pane is mounted, in the direction of the thickness of the stile from front to rear.

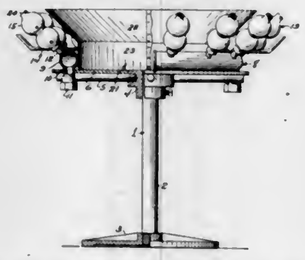
2,067,656

GAS BURNER

Leonard H. Blood, Buffalo, N. Y., assignor to Ernest W. Delzer, Kenmore, N. Y.

Application October 8, 1934, Serial No. 747,448

1 Claim. (Cl. 158—106)



A gas burner including a stand, a horizontally disposed base removably mounted on said stand and including detachably connected semicircular shaped sections, a deflector including an annular portion resting on the base and a frusto-conical shaped portion extending upwardly and outwardly from the annular portion, a sectional manifold resting on the base and arranged outwardly of and in contact with the annular portion of the deflector, fuel mixing units secured to the manifold and extending upwardly and outwardly therefrom and having the discharge ends thereof disposed outwardly beyond the upper edge of the frusto-conical shaped portion of the deflector and each including primary and secondary communicating mixing chambers, each of said mixing chambers having air ports and being of substantially spherical shape, and horizontally disposed arms secured to the annular portion of the deflector and resting on the manifold between certain of the mixing units and having the free ends thereof bent to extend upwardly and outwardly from the base and arranged outwardly of the mixing units.

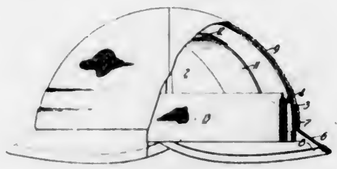
2,067,657

HAT

Edward W. Bullard, San Francisco, Calif., assignor by mesne assignments to E. D. Bullard Company, San Francisco, Calif., a corporation of California

Application April 2, 1934, Serial No. 718,651

6 Claims. (Cl. 2—181)



1. A hat comprising an upper crown section, a retaining ring encircling the lower edge of said upper section, a sweat band lying within the crown adjacent its lower ring section, a supporting tab positioned with its upper end between the upper crown section and ring and with its lower end depending between the band and ring, means for fastening the upper crown section, supporting tab and retaining ring together, and releasable fastening means for connecting the band to the lower end of the supporting tab.

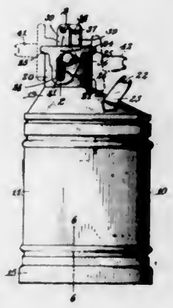
2,067,658

WAGON CAN OR SIMILAR RECEPTACLE

Horace H. Chapin, Batavia, N. Y., assignor to The R. E. Chapin Mfg. Works, Batavia, N. Y., a copartnership composed of Ralph E. Chapin, Florence A. Chapin, and Horace H. Chapin

Application April 5, 1933, Serial No. 664,593

8 Claims. (Cl. 220—38)



1. A wagon can or the like, comprising a body portion having a neck at its upper end, trunnions projecting from said neck at diametrically opposite points thereof, a cap bearing against the upper edge of said neck and having depending ears at opposite sides thereof and depending flanges extending between said ears, said flanges and ears being spaced from the neck to permit full seating of said cap against said neck, said ears having slots therein through which said trunnions are passed to permit lifting of said cap from said neck and the swinging of the same to one side of said neck, a handle on said cap, and a handle on said body portion, the handle on said cap being brought into proximity with the handle on said body portion when said cap is swung to one side of said neck so that both handles can be grasped by one hand.

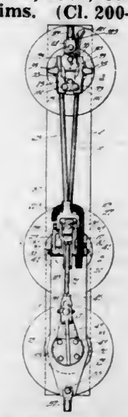
2,067,659

CIRCUIT INTERRUPTER

Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 26, 1934, Serial No. 727,746

20 Claims. (Cl. 200—48)



1. In an electrical switch, a pair of spaced insulator columns, conducting means mounted on each of said columns, movable blade means for bridging said conducting means to provide an electrical circuit therebetween, and actuating means for moving said blade means to the open and to the closed-circuit position, said blade means and said conducting means including cooperating means engageable at any one of a plurality of points to rigidly interconnect said insulator columns so as to prevent relative movement therebetween during at least a portion of the circuit-closing operation, and said actuating means moving the switch into final closed-circuit position after said insulator columns are rigidly interconnected.

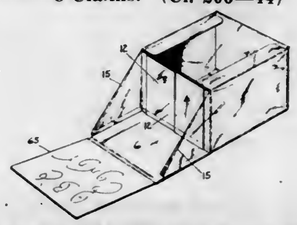
2,067,660

PACKAGE

Henry J. Eiseman, Woodhaven, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

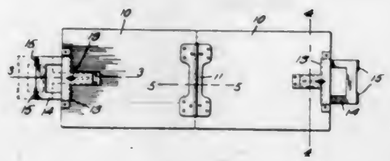
Application July 31, 1934, Serial No. 737,783

8 Claims. (Cl. 206—44)



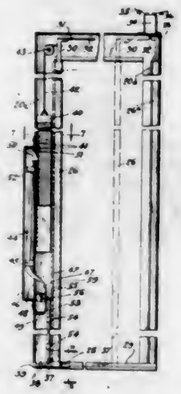
1. A new article of manufacture which comprises a box of substantially rigid material having an aperture therein, a transparent material covering said box and said aperture, and an uncovered member attached to said box, said member projecting upwardly from said box and from between layers of said transparent material whereby to preserve the contents of the box in a substantially dustproof manner, said member being movable downwardly over said aperture whereby to form a protective cover therefor.

2,067,661
AUTOMOBILE LUNCH SUPPORT
Charles H. Ferrelle, Savannah, Ga.
Application November 21, 1934, Serial No. 754,136
1 Claim. (Cl. 311—21)



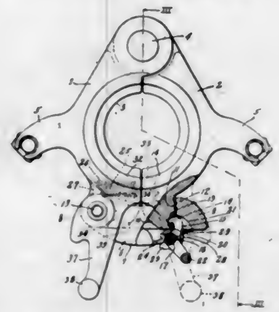
The combination with a foldable shelf-like support, of substantially T-shaped guide pieces fixed to the support at opposite ends thereof and each having a socketed cross head and stem, the cross head having its socket opening outward and being flush with the end edge of the support next thereto, flat cleats received in said guide pieces and having slotted extensions fitting the stems thereof, the cleats and cross heads of said guide pieces being relatively wide, headed bolts passed through the support and received in the slots in said extension, winged nuts engaged on said bolts for the fastening of the cleats adjusted relative to the guide pieces, and tongues turned from said cleats at right angles thereto.

2,067,662
BURGLAR TRAP
Paul A. Fiebiger, New York, N. Y.
Application September 11, 1935, Serial No. 40,174
4 Claims. (Cl. 20—1.01)



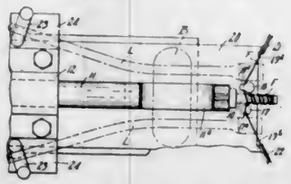
1. A burglar trap including a gate, a bolt to keep the gate in an open position, a counterweight connected to the top of the gate tending to close the same, electric means to withdraw the said bolt to permit the gate to close, a latch bar for engaging the said weight and a latch bolt for engaging the lower end of the gate when the gate is in a closed position, the said bar and latch bolt being adapted to prevent its opening, and a lock having means to disengage the said latch bar from the said weight and the said latch bolt from the gate to permit its reopening.

2,067,663
ELEVATOR AND LATCH CONSTRUCTION
Herbert E. Grau, Los Angeles, Calif., assignor to Byron-Jackson Co., Los Angeles, Calif., a corporation of Delaware
Application September 16, 1935, Serial No. 40,745
12 Claims. (Cl. 24—248)



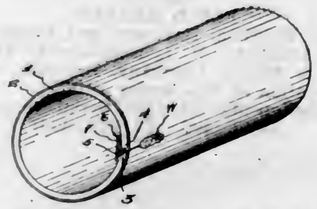
1. A well pipe elevator for use with external upset pipe comprising a pair of substantially similar pipe encircling members having a joint connecting the same together at their rear ends and at the back of the elevator, said members adapted to close together around the pipe, and having adjacent faces cooperating to form a bore with a downwardly and inwardly tapered seat conforming substantially to the tapered portion of the upset pipe, whereby said tapered seat supports the pipe, and the weight of the pipe against the tapered seat tends to force the pipe encircling members apart; and releasable pivoted latch means at the front of the elevator opposite the said joint, and at the free ends of said members for holding said members in place around the pipe.

2,067,664
METHOD OF MAKING FILAMENTS FOR MINIATURE INCANDESCENT LAMPS AND ARTICLES
William J. Henry, Akron, Ohio
Application June 27, 1932, Serial No. 619,421
1 Claim. (Cl. 176—40)



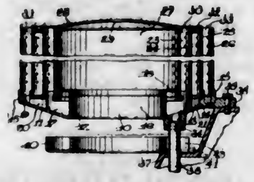
The method of making a filament for incandescent lamps for use in diagnostic instruments and the like which comprises winding a single length of wire into a helix and then winding reversely a return helix of the same size with the convolutions of each helix extending in parallel relation throughout the greater portion thereof and with a given convolution of one helix axially arranged closer to the adjacent similar convolution of the other helix than to the adjacent different convolution of the other helix, and subsequently moving the convolutions into a position where they are substantially equally spaced apart axially by heating the wire and gradually increasing the intensity of the heat.

2,067,685
VENEERED TUBING
Thomas W. Holt, Elkhart, Ind., assignor to Excel Curtain Company, Elkhart, Ind., a corporation of Delaware
Application March 6, 1936, Serial No. 67,515
4 Claims. (Cl. 138—64)



1. A tube construction comprising a body or a base formed with a slit extending lengthwise thereof, a veneer strip enclosing the base and having its margins extending around the edges of the base at the slit into the interior of the base and joined together with a lock seam joint located within the interior of the base strip, extending on opposite sides of said slit and engaging flatwise the inner faces of said margins.

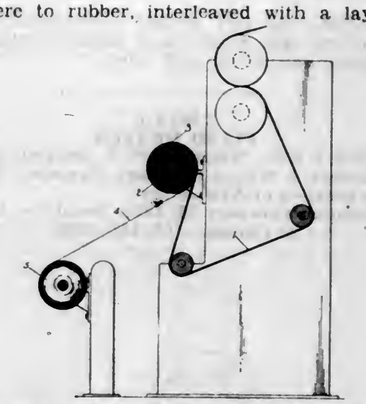
2,067,666
LIQUID FUEL BURNER
John Jungers, Grafton, Wis., assignor to Jungers Stove and Range Company, Grafton, Wis., a corporation of Wisconsin
Application April 19, 1934, Serial No. 721,339
3 Claims. (Cl. 158—87)



1. A liquid fuel burner having an annular base comprising an upwardly and outwardly sloping bottom wall, having thereon spaced, upstanding flanges forming an annular outer vapor channel and an inner vaporizing chamber and spaced ducts laterally connecting said chamber and channel for admitting fuel vapor to said channel, the innermost flange defining a side wall of the vaporizing chamber, a liquid fuel supply conduit having at its upper end a discharge opening in the lower portion of said sloping bottom wall and adjacent said innermost flange to furnish said vaporizing chamber with liquid fuel, and perforated combustion tubes on said base forming a combustion chamber opening from said vapor channel, the bottom of said vapor channel being longitudinally arched intermediate said ducts to deflect incoming fuel vapor upwardly into said combustion chamber and to return condensed fuel vapor to said ducts.

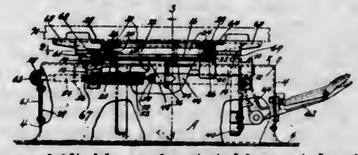
2,067,667
LINER CLOTH
Manfred Keller, Syosset, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 14, 1934, Serial No. 720,670
7 Claims. (Cl. 154—43)

1. An article of manufacture comprising a layer of rubber and a layer of a material which will adhere to rubber, interleaved with a layer of



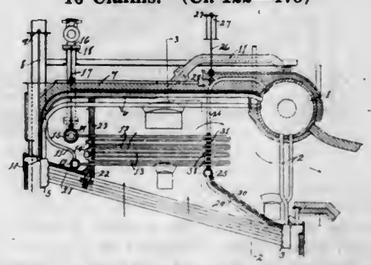
rayon fabric whereby to prevent adhesion between said rubber and said material.

2,067,668
CAR SEAT
John M. Knight, Atlantic Highlands, N. J., Frederick A. Stevenson, New York, N. Y., and Victor Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1930, Serial No. 501,004
26 Claims. (Cl. 155—96)



1. In a shiftable and rotatable seat having a pedestal, a seat plate carrier slidably supported by the pedestal, a seat plate rotatably mounted on the carrier, stop means on the pedestal normally in cooperative relation with the seat plate to restrain the latter against rotation, and lever actuated means connected to the carrier and operable to shift the latter and said seat plate relative to the pedestal to free the seat plate from the stop means.

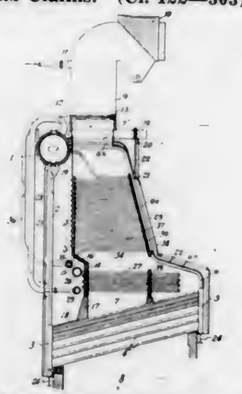
2,067,669
STEAM BOILER
Howard J. Kerr, Westfield, N. J., and Ivar L. Langvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application May 13, 1929, Serial No. 362,516
Renewed October 21, 1933
16 Claims. (Cl. 122—478)



1. In a boiler, a superheater, a cross header

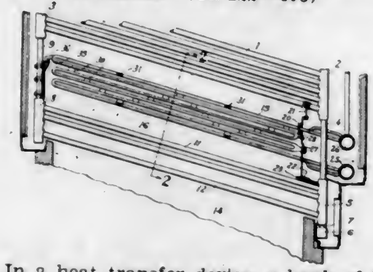
supporting one end of said superheater, tubes supporting said header, and supports outside of the boiler setting for said tubes.

2,067,670
FLUID HEATER
Howard J. Kerr, Westfield, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application February 20, 1932, Serial No. 594,175
22 Claims. (Cl. 122—303)



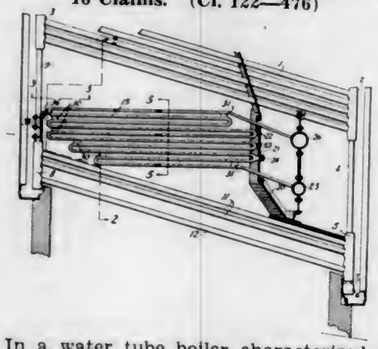
1. A water tube boiler comprising in combination a furnace chamber, a vertical heating gas pass communicating with said chamber, a natural circulation bank of steam generating tubular elements extending across said gas pass, a steam and water drum positioned a substantial distance above said tube bank and providing a considerable static head on the fluid in said tube bank, spaced rows of downtake and uptake circulators extending along opposite sides of said gas pass for a considerable height and connecting said tube bank with said steam and water drum, a plurality of fluid heating elements exposed to the heating gases in the portion of said gas pass bounded by said uptake and downtake circulators, tube bank and steam and water drum, and means for supporting said fluid heating elements from one of said rows of circulators.

2,067,671
FLUID HEATER
Lambert Kooistra, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application April 23, 1931, Serial No. 532,193
15 Claims. (Cl. 122—476)



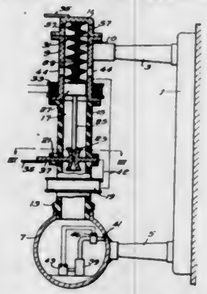
1. In a heat transfer device, a bank of horizontal tubes with a support at one end thereof, a plurality of members secured between intermediate portions of adjacent tubes of said bank and coacting therewith to form a truss support therefor and prevent lateral distortion of the bank, while permitting longitudinal expansion and contraction of said tubes.

2,067,672
FLUID HEATER
Lambert Kooistra, Bayonne, and Frank Xavier Gilg, Elizabeth, N. J., assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application May 14, 1931, Serial No. 537,354
18 Claims. (Cl. 122—476)



1. In a water tube boiler characterized by a plurality of vertically spaced banks of steam generating tubes connected to uptake and downtake headers, a row of nipples connecting adjacent vertically spaced headers at one end of said banks, a bank of tubes extending across a gas flue in a plurality of return bends disposed between adjacent banks of steam generating tubes and supported at one end by a hook member movably engaging a cooperating member secured to said row of nipples.

2,067,673
CIRCUIT INTERRUPTER
Fritz Kesselring, Berlin-Hermsdorf, and Friedrich Begrich, Berlin-Zehlendorf, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1934, Serial No. 752,820
In Germany November 17, 1933
7 Claims. (Cl. 200—148)



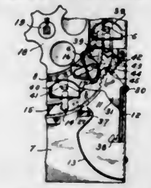
1. In a circuit interrupter, means for defining the walls of an arc passage which is substantially completely enclosed during the operation of said interrupter except for an inlet and an outlet opening, separable contact means for establishing the arc incident to each opening operation of said interrupter within said arc passage,

a quantity of arc extinguishing fluid, means whereby said arc extinguishing fluid is admitted to said arc passage through said inlet opening at a substantially uniform inlet pressure during the operation of said interrupter, and throttling means for coacting with said outlet opening during each opening operation of said interrupter to restrict the rate of flow of said fluid into said arc passage until said contacts have separated a predetermined distance.

2,067,674
GERMICIDAL COMPOSITION AND PROCESS FOR PREPARING THE SAME
Harold B. Kimerlin, New York, N. Y.
No Drawing. Application November 25, 1935, Serial No. 51,482
32 Claims. (Cl. 167—71)

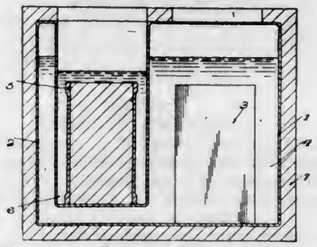
1. A mercury compound obtainable by reaction of a double iodide of mercury and a compound belonging to the group consisting of a glycol and a glycol-ether at a temperature and a pressure above atmospheric.

2,067,675
VENDING MACHINE
Ralph H. Kurtz, Chicago, Ill., assignor to Ira Milton Jones, Thiensville, Wis.
Application May 18, 1932, Serial No. 611,974
11 Claims. (Cl. 312—96)



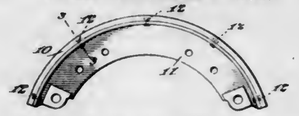
1. In combination, a casing having a discharge opening, a series of article carriers movable within said casing, means for moving said carriers along a definite path extending in proximity to said opening, coin controlled means for effecting discharge of the contents of each carrier at said opening, a gate normally closing said opening, and means operable by said gate for positively retaining the article within each carrier until the same is positioned adjacent said opening and said coin controlled means is operated.

2,067,676
COOLING SYSTEM FOR UTILIZING SOLID CARBON DIOXIDE
David Savidge Lees, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application July 24, 1934, Serial No. 736,758
In Great Britain July 25, 1933
4 Claims. (Cl. 62—1)



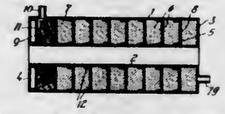
1. In the inter-fitting of close-fitting machine parts, the method of shrinking one of said parts by cooling with solid carbon dioxide comprising immersing solid carbon dioxide in a bath of a liquid medium which does not solidify above about −70° C., and immersing the machine part to be cooled in an adjoining bath of similar liquid medium arranged in heat-conducting relation to the first bath, and cooling said machine part to a temperature approximating that of the solid carbon dioxide.

2,067,677
FRICTION BRAKE AND THE LIKE
Chalmer E. Murphy, Cuyahoga Falls, Ohio
Application September 12, 1933, Serial No. 689,130
3 Claims. (Cl. 188—234)



1. A molded composition friction lining or facing for brake shoes and the like comprising a wear-resistant friction material with a thermoplastic binder, said lining having embedded therein and projecting from one side thereof a series of anchor rivets having relatively thin flattened heads with tapered undersides to facilitate the flow of the material around the same during the molding operation, said heads being treated to facilitate adhesion of the material thereto.

2,067,678
REFRIGERATION
Kurt V. Nesselmann, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application April 8, 1933, Serial No. 665,202
In Germany April 11, 1932
4 Claims. (Cl. 62—118)

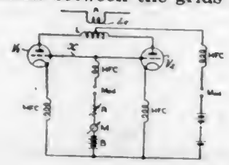


4. A generator-absorber for absorption apparatus of the intermittent type operating with solid absorbents, comprising an outer jacket, an inner heating tube and lateral covers, heat-conducting longitudinal walls embedded in the absorbent, said walls being arranged between the inner heating tube and the outer jacket and dividing the interior of the generator-absorber into longitudinal chambers, said walls being fixedly secured to said heating tube to form therewith a heat-conducting body and so designed as to be elastically secured to the inner surface of the outer jacket after said heat-conducting body has been introduced into said jacket.

2,067,679
ULTRA SHORT WAVE OSCILLATION GENERATOR
Leslie Harold Paddle, London, England
Application July 11, 1936, Serial No. 90,213
In Great Britain January 3, 1935
13 Claims. (Cl. 250—36)

1. An ultra short wave generator comprising a pair of vacuum tubes each having a control grid cooperating with a cathode and an anode; a single series-tuned resonant circuit determining the operating frequency of the generator, said resonant circuit comprising inductance con-

nected between the anodes of the tubes, the capacities between the anodes and grids of the respective tubes, and a substantially inductance-free connection between the grids of said tubes;



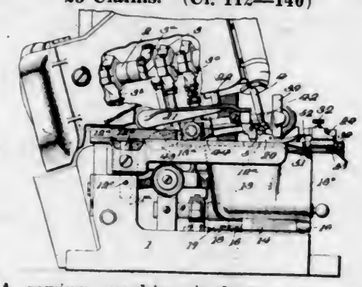
a choke having a high impedance at the oscillation frequency connected between the cathodes of said tubes; a cathode-anode circuit for each tube; a grid-cathode circuit for each tube; and an output circuit coupled to said inductance.

2,067,680

SEWING MACHINE FOR EDGING FABRICS

Albert S. Riviere, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application August 15, 1934, Serial No. 740,008
25 Claims. (Cl. 112—140)



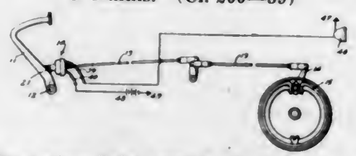
1. A sewing machine including in combination, a supporting bed, a stitch forming mechanism, a throat plate carried by said bed, a work guiding member located at one side of said throat plate and in rear thereof and covering the stitch forming devices beneath the throat plate, said work guiding member being shaped so as to permit small tubular articles to be presented to the stitch forming mechanism and a continuous line of stitching formed all the way around said articles, and means for mounting said work guiding member whereby it may be turned to a position to give access to the stitch forming devices.

2,067,681

ELECTRIC SWITCH

Hugh M. Rockwell, Freeport, N. Y.

Application November 15, 1932, Serial No. 642,716
8 Claims. (Cl. 200—59)



1. In a stop light switch for vehicles, a pair of relatively movable coaxial members formed of dielectric material, a pair of spaced contact members screwed in one of said dielectric members at opposite sides of its axis, a resilient contact connecting member carried by the other dielectric member and being adapted to alternately make and break the circuit between said spaced contact members, and mounting means for securing the same in a brake link system wherein the switch will float as a unit and transmit braking forces.

2,067,682

PROCESS OF COOKING EDIBLES

Reuben Romney, Jr., Salt Lake City, Utah, assignor to Cheezits Corporation, Salt Lake City, Utah, a corporation of Utah

No Drawing. Application March 4, 1936, Serial No. 67,093
4 Claims. (Cl. 99—1)

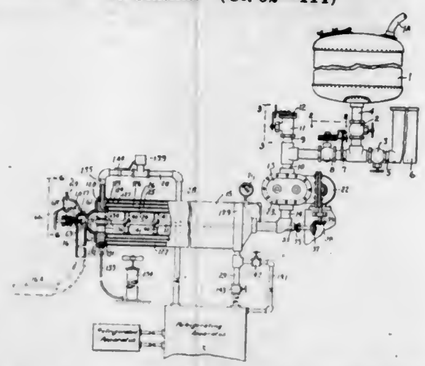
1. A process of cooking edibles, consisting of introducing the edible into deep hot fat, partially cooking the edible in said fat and then when the edible is nearly done, adding particles of cheese to the surface of the fat to adhere the cheese to the edible and impregnate the cheese flavor thereinto.

2,067,683

ICE CREAM MANUFACTURING APPARATUS

Almond C. Routh, Sandusky, Ohio

Application December 10, 1935, Serial No. 53,782
10 Claims. (Cl. 62—114)



1. In a continuous ice cream manufacturing apparatus, a continuous supply source of ice cream mix, a positive displacement pump, a power source for driving the pump at constant speed, a freezer having a discharge outlet, interconnecting conduit means whereby the mix may be continuously pumped from the supply source through the freezer and discharged in frozen consistency from the outlet, a source of refrigerant at variable temperature, means to refrigerate the freezer therefrom to variable freezing temperature, a flow restricting valve between the mix source and the pump on the intake side thereof adjustable to commensurate the rate of mix flow to the freezer temperature to cause the discharged ice cream to be of substantially the same frozen consistency at all freezer temperatures.

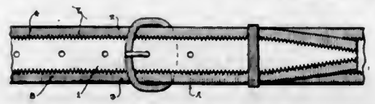
2,067,684

WEARING APPAREL

Morris Sachs, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York

Application November 12, 1935, Serial No. 49,375
7 Claims. (Cl. 241—8)

1. The method of making strips or straps for personal wear or other purposes which consists in placing a plurality of strips of material in longitudinal alignment and stitching the strips together in abutting relation, then applying a meltable material carrying a dyeing agent along the strips over the line of stitching, subjecting the article and meltable material carrying the dyeing



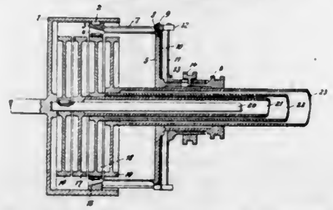
agent to heat and pressure to melt the meltable material to release the dyeing agent to color the stitch portions underlying the meltable material and simultaneously forcing the meltable material into the perforations formed by the stitching step.

2,067,685

SERIES CLUTCH MECHANISM FOR MOTOR VEHICLES

Otto Schaper, Berlin-Schlachtensee, Germany

Application April 27, 1934, Serial No. 722,793
In Germany April 28, 1933
3 Claims. (Cl. 192—48)



1. In a change speed device, a driving shaft, a main gear shaft in alignment therewith and pivoted therein, concentric hollow shafts successively supported on the main gear shaft and succeeding hollow shafts, a series of clutch disks the members of which are secured successively to said main gear shaft and said hollow shafts, a drum on the driving shaft surrounding said clutch disks, an outer clutch ring slidably connected to the inner circumference of said drum and having a conical inner surface, an inner slit clutch ring having an outer conical surface coacting with the conical surface of the outer clutch ring, means for moving the inner and outer clutch rings together longitudinally of the shaft and means for moving the outer clutch ring relative to the inner clutch ring.

2,067,686

ANTIOXIDANTS

Waldo L. Semon, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 2, 1933, Serial No. 674,041
6 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with a symmetrical aralkyl disubstituted para-arylene diamine.

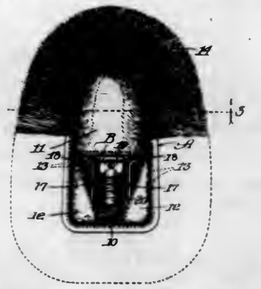
2,067,687

FLOOR MOP

Robert C. Teare, Evanston, Ill., assignor to O-Cedar Corporation, Chicago, Ill., a corporation of Illinois

Application November 19, 1934, Serial No. 753,708
3 Claims. (Cl. 15—229)

3. A mop comprising: an elongated fabric wall, a fabric toe piece extending over the forward portion of said wall and secured to the edge portions thereof, heel pieces extending across the rear corners of said wall and tautly secured to



the edges thereof, said heel pieces at their forward ends and said toe piece at its rear side being in overlapping relation.

2,067,688

FENCE WIRE FASTENER AND POST CONSTRUCTION

Arthur E. Weber, Green Garden Township, Will County, Ill.

Application August 24, 1936, Serial No. 97,668
4 Claims. (Cl. 256—48)



1. In a structure of the class described, in combination, a fence post T-shaped in cross-sectional form, the plate portion thereof being provided along one longitudinal edge with longitudinally spaced keeper notches, the opposite longitudinal edge being provided with correlated latch pin holes, and a detachable, bodily slidable, manually regulated fence wire fastening and supporting fixture embodying hooks embracing the edge portions of said plate, one hook being provided with a keeper lug engageable with the notches, and a spring-pressed latch mounted on the opposite hook and engageable with the holes.

2,067,689

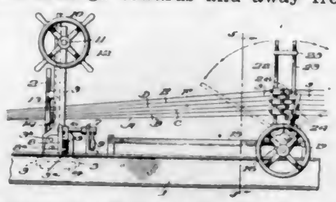
LEASE FORMING MACHINE

Simpson James Adams, Greenville, S. C.

Application April 25, 1936, Serial No. 76,463
12 Claims. (Cl. 28—40)

1. In combination, a leasing reed, a plurality of split-rods for guiding a plurality of sheets of warp through said reed in vertically spaced relation, a unitary carriage for supporting said split-

rods parallel with said reed, and means for shifting said carriage towards and away from said



reed while maintaining the split-rods parallel with the reed.

2,067,690

METHOD AND MATERIAL FOR OBTAINING PHOTOGRAPHIC CONTRASTS

Roelof Jan Hendrik Alink, Klaas Hinderikus Klaassens, and Harke Jan Houtman, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

No Drawing. Application January 11, 1935, Serial No. 1,436. In Germany February 5, 1934
15 Claims. (Cl. 95—6)

1. A method of producing photographic contrasts comprising the steps, selectively exposing a light-sensitive system containing a diazonium compound to partly decompose the diazonium compound at selected portions of the system, and bringing a mercurous salt into reactive relationship with the light-decomposition product of the diazonium compound in the presence of moisture to form the contrasts.

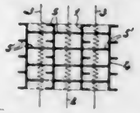
9. A material for obtaining photographic contrasts comprising a carrier, and a light-sensitive system supported by said carrier and comprising a diazonium compound and a mercurous salt.

2,067,691

CATHODE STRUCTURE FOR DISCHARGE DEVICES

Johannes Bruijnes, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabricken, Eindhoven, Netherlands

Application August 21, 1934, Serial No. 740,837
In Germany September 7, 1933
5 Claims. (Cl. 250—27.5)



1. A cathode structure for discharge devices comprising a hollow elongated member provided with fins to substantially increase the free emitting surface of said member and designed to emit electrons both internally and externally, a highly electron emitting coating disposed on said member and said fins, a heating element inside of said member, and a heating element surrounding said body.

2,067,692

HOLDER FOR DENTAL FLOSS

Robert W. Cammack, Mount Vernon, N. Y.

Application July 18, 1935, Serial No. 32,111
7 Claims. (Cl. 132—92)



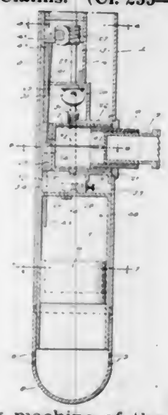
1. A dental floss holder comprising a head having spaced prongs thereon, means for securing a length of floss in the head with a portion thereof engaging on said prongs and a substantially circular cutting member adjacent said head, said member having a cutting edge extending entirely around its periphery.

2,067,693

SAMPLING MACHINE

Ernest Comer Carey, Corpus Christi, Tex.

Application May 8, 1936, Serial No. 78,737
4 Claims. (Cl. 255—1)



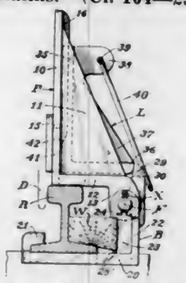
1. A sampling machine of the class described comprising a casing, a corer rotatably and slidably mounted in said casing, means for rotating said corer, and hydraulic means for slidably actuating said corer to operative position.

2,067,694

CAR STOP

Samuel Clarke, Barnesboro, Pa., assignor to Portable Lamp & Equipment Co., Pittsburgh, Pa., a corporation of Pennsylvania

Application August 22, 1935, Serial No. 37,406
14 Claims. (Cl. 104—257)



1. A car stop comprising a base member, a stop member pivotally mounted on the base member for movement to and from arresting position, and gravity-operated locking means for maintaining the stop member in arresting position.

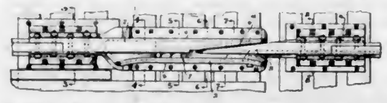
2,067,695

RAILWAY EXPANSION JOINT

John E. Conley, Memphis, Tenn.

Application September 11, 1934, Serial No. 743,599
16 Claims. (Cl. 238—171)

1. Expansion joint comprising in combination, a base plate formed with a rail extension adapted to be secured in alinement with and to form a part of a rail, and a complementary base plate having a rail point adapted to be secured in alinement with and to form a part of a rail, said extension and said rail point having co-operating



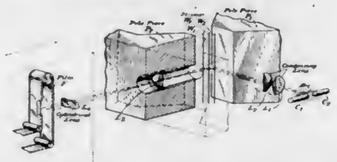
registering faces, the base plate carrying the rail having a guide interdigitating with a slide on the base plate carrying the rail point, and means for limiting the separation of said joint.

2,067,696

OSCILLOGRAPHIC APPARATUS

David Crampton, New Rochelle, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application November 18, 1931, Serial No. 575,941
13 Claims. (Cl. 234—61)



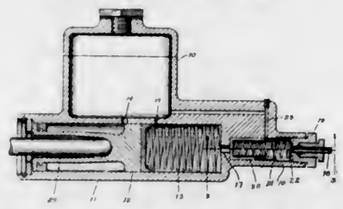
4. The combination of an electromagnet, a current-carrying vibratory wire having a highly polished surface placed between the pole pieces of the electromagnet, a source of light adjacent to said wire, and means for exhibiting only the light impressions reflected by the surface of said wire.

2,067,697

SAFETY DEVICE FOR HYDRAULIC BRAKES

Lamar Fontaine, Jr., Baton Rouge, La., assignor of three-eighths to Kathryn Martin Fontaine, and one-fourth to L. J. Voorhies, Sr., both of East Baton Rouge Parish, La.

Application June 25, 1936, Serial No. 87,313
1 Claim. (Cl. 60—54.5)



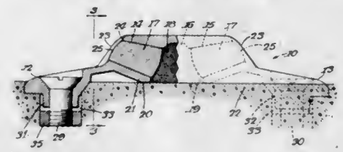
In a hydraulic brake for motor vehicles, a reservoir for a fluid pressure medium, a master cylinder connected with the reservoir, a spring pressed piston in the master cylinder, a plurality of auxiliary cylinders connected with the master cylinder and connected with the reservoir, brake pipes connected with the auxiliary cylinders for conducting the fluid pressure medium to the wheel cylinders of the motor vehicle, spring pressed pistons in the auxiliary cylinders adapted to seal the brake pipes and disconnect the reservoir from the auxiliary cylinders upon loss of pressure in the brake pipes, each auxiliary cylinder having a shoulder in the path of movement of its associated piston, and a spring dog on said associated piston adapted to engage said shoulder and lock the piston stationary in position to seal the brake pipe and cut off the reservoir from the auxiliary cylinder.

2,067,698

HIGHWAY MARKER

Joseph M. Hall, Chicago, Ill., assignor to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

Application February 14, 1936, Serial No. 63,924
5 Claims. (Cl. 88—79)



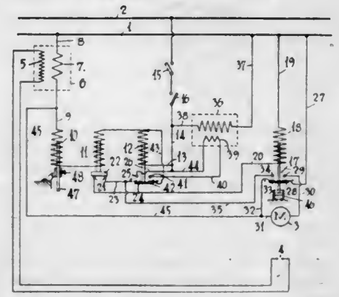
1. A highway marker comprising a body having an elongated central portion and tapered end portions, said portions having their upper surfaces convex in transverse cross section, said central portion having a cavity in its under side opening downwardly, the ends of said central portion being inclined outwardly and downwardly sufficiently to permit scrapers and snow plows to ride thereover and merging with said end portions, said central portion having openings extending outwardly and upwardly from said cavity and opening through the end faces of said central portion, lenses mounted in the said openings, the outer faces of said lenses being also inclined downwardly and outwardly, the surfaces of said end faces of said central portion being substantially in the planes of the outer faces of the adjacent lenses above and below the lens faces and extending slightly beyond said lens faces at the sides thereof for protecting the lenses, and means for retaining said lenses in said openings, said end portions being formed for engagement of means for fastening the marker to the highway.

2,067,699

FLUID FUEL BURNER CONTROL SYSTEM

Philip O. Henderson, Washington, D. C.

Application August 11, 1936, Serial No. 95,447
18 Claims. (Cl. 158—28)



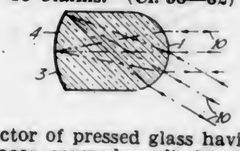
1. A fluid fuel burner control device including means for delivering fuel, electrodes forming a spark gap for igniting said fuel, a circuit for initially supplying a relatively low voltage high tension current to said gap, and means controlled by said circuit and operable only when said low voltage high tension current lies within predetermined limits to start the fuel delivery means and supply a higher voltage high tension current to said gap.

2,067,700
SUCKER ROD ADJUSTER
Arthur A. Hunt and Leo H. Adair, Oklahoma City, Okla., assignors to Skelly Oil Company, Tulsa, Okla.
Application September 8, 1936, Serial No. 99,889
5 Claims. (Cl. 255—15)



1. An adjuster for sucker rods and the like comprising an elongated body member, a spring chamber extending longitudinally in said body member, a spring in said chamber, a spring tension rod disposed in said chamber and extending therefrom at one end, a spring adapter at the opposite end of said rod for engagament with one end of said spring, a tension regulating sleeve adjustably mounted in said chamber and engaging the opposite end of said spring, and bails rotatably mounted at the outer ends of said body member and said spring tension rod respectively, whereby said adjuster may be interposed in a winch line to yieldingly support a rod hanger or the like.

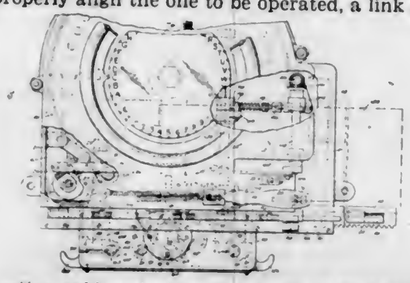
2,067,701
REFLECTING GLASS
Cleveland A. James, Philadelphia, Pa., assignor to A. M. Ducey, Toledo, Ohio
Application June 27, 1933, Serial No. 677,812
Renewed March 25, 1936
18 Claims. (Cl. 88—82)



1. A reflector of pressed glass having its front and rear faces convexly cylindrical, the front face being smooth and the rear face comprising a plurality of curved double reflectors, the front face and the double reflectors being curved about a common centre line and arranged in collimating relation, whereby light entering the front face is converged upon the double reflectors and returned therefrom back through the face toward its source.

2,067,702
STENCIL CUTTING MACHINE
Walton C. Marsh, Belleville, Ill., assignor to Marsh Stencil Machine Company, Belleville, Ill., a corporation of Illinois
Application November 23, 1934, Serial No. 754,418
15 Claims. (Cl. 164—111)

1. In a device of the kind described, a base, a handle movably mounted thereon, a series of movable stencil cutter mechanisms any one of which is adapted to be brought to an initial position, wherein to be operated, a centering mechanism having means adapted to be selectively engaged with certain of said cutter mechanisms to properly align the one to be operated, a link con-



necting said centering mechanism to said handle, a member movable to actuate the aforementioned cutter mechanism, link means connecting said member to said handle, said connection including a pin and slot permitting lost motion whereby the handle may move a predetermined distance without actuating the said member.

2,067,703
ELECTROLYTIC DEVICE
Preston Robinson and Joseph L. Collins, North Adams, Mass., assignors to Sprague Specialties Co., Quincy, Mass., a corporation of Massachusetts
No Drawing. Application March 28, 1931, Serial No. 526,118
2 Claims. (Cl. 175—315)

1. In the manufacture of aluminum electrodes for electrolytic devices, the process which comprises immersing an electrode in an alkaline solution chemically to remove the impurities and the oxide from the surface of the electrode, adding thereafter, while maintaining the electrode in the solution, an excess of a weak acid to the solution and subjecting the electrode to film formation in said acidic solution.

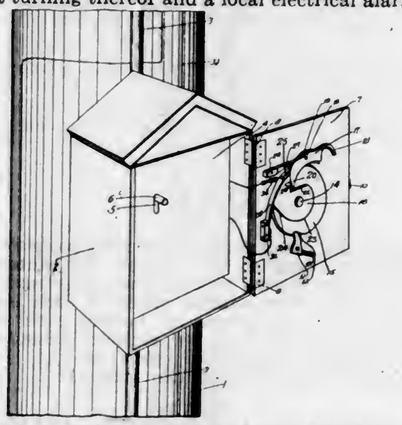
2,067,704
SEPARATION AND PURIFICATION OF AROMATIC AND NON-AROMATIC NITROGEN BASES
James R. Bailey, Austin, Tex., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application October 17, 1932, Serial No. 638,195
14 Claims. (Cl. 260—38)

1. A process for resolving a mixture of organic nitrogen bases containing aromatic and non-aromatic nitrogen bases, as derived from petroleum, shale and pyrolytic distillates of cottonseed oil, and which comprises dissolving said mixture of nitrogen bases in an inert organic solvent, adding sulphuric acid to the solution to form insoluble acid sulphates of the aromatic bases and soluble acid sulphates of the non-aromatic bases and separating insoluble acid sulphates of the aromatic bases from the soluble acid sulphates of the non-aromatic bases.

2,067,705
ALARM SYSTEM
Patrick J. Corbett, Albany, N. Y.
Application April 19, 1934, Serial No. 721,365
2 Claims. (Cl. 177—373)

1. An attachment for a fire alarm box of the type having a movable hook for releasing the

alarm sending mechanism and an exterior door, which comprises a rotatable member extending through the door, said rotatable member having a handle thereon exterior of the box, a cam having cam surfaces on said rotatable member, a lever attached to the door of the alarm box contacting another of said cam surfaces and adjacent said hook in the normal closed position of the door so that said cam moves said lever to operate said hook to release the alarm mechanism as said handle is turned upon a relatively short turning thereof and a local electrical alarm



having a switch adjacent another of said cam surfaces which is closed thereby when said rotatable member is turned, the first said surface upon which said lever rides having a raised portion at the end of a relatively long turning arc for moving said lever to operate the hook, and second surface having a relatively short portion during which said switch is not operated and a relatively long portion during which said switch is operated, and means for maintaining said cam in normal position so that the switch is not operated and the lever does not operate the hook.

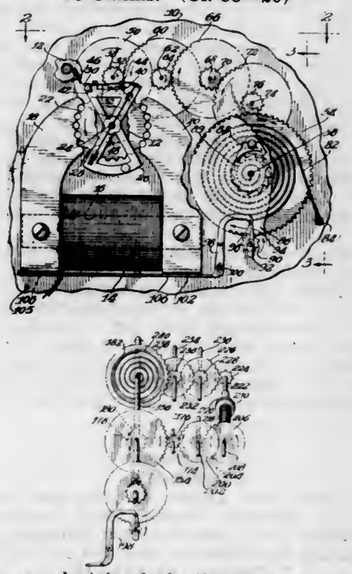
2,067,706
ARTIFICIAL COMPOSITIONS
Hans Fikentscher, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 6, 1933, Serial No. 701,156. In Germany December 10, 1932
21 Claims. (Cl. 260—2)

1. The process of producing artificial compositions which comprises subjecting a saponification product of a product obtainable by interpolymerizing an acrylic acid ester and such a vinyl ester as yields saponifiable polymerization products, to conditions under which lactone-formation occurs.

2,067,707
CONSTRUCTIONAL MATERIAL
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Original application August 15, 1927, Serial No. 213,187. Divided and this application May 18, 1932, Serial No. 612,167
7 Claims. (Cl. 18—48)

1. Constructional material comprising a sheet molded from a mixture of fiber, dense waterproofing mastic and a slow-drying substance lastingly adhesive and sticky to the touch.

2,067,708
ELECTRIC CLOCK
Laurens Hammond, Evanston, Ill., assignor to The Hammond Clock Company, Chicago, Ill., a corporation of Delaware
Application December 2, 1931, Serial No. 578,426
38 Claims. (Cl. 58—26)



1. In an electric clock, the combination of a time gear train, a synchronous motor having a field core and a rotor for driving said train, a spring motor connected to drive said train, electromagnetically operated means for restraining operation of said spring motor, and mechanical speed-governing means permanently connected to be continuously operated with said gear train and arranged to control the speed of operation thereof only when the gear train is being driven by said spring motor after said electromagnetically operated means has been released upon an interruption in the current supplied thereto.

9. In an electric clock, the combination of a synchronous motor having a field coil and a rotor, a gear train driven by said motor, a spring motor, a limited torque driving connection between said gear train and said spring motor whereby the latter may be slowly wound up during operation of said gear train and thereafter maintained wound, an over-running clutch forming a driving connection between said spring motor and said gear train, holding means to prevent unwinding of said spring motor, means controlled by the magnetic field of said synchronous motor and operable upon an interruption in the current supply to said synchronous motor to release said holding means and permit said spring motor to drive said gear train, and mechanical speed governing means connected to said gear train and arranged to control the speed of operation thereof only during intervals of interruptions of the current supplied to said field coil.

12. In an electric clock for household use, the combination of a synchronous motor having a field coil and a rotor shaft, a speed reducing time gear train driven by said motor, a spring motor, a connection between said spring motor and the slow speed end of said train comprising an overrunning clutch arranged to drive said gear train

in the same direction as said train is driven by said synchronous motor, gearing including a friction slip drive connection connected to the slow speed end of said gear train to transmit power therefrom to wind said spring motor, a continuously rotating centrifugal speed governing mechanism rotated by the rotor shaft of said synchronous motor, and electromagnetic means to hold said spring motor, said spring motor being operable upon deenergization of said last-named means to drive said gear train through said overrunning clutch and thereby rotate said centrifugal speed governing mechanism, said holding means being rendered inoperative by the interruption of current flow through the coil of said synchronous motor, and said governing mechanism being operative to control the speed of operation of said spring motor while the latter is operating during intervals of current interruption.

34. In an electric clock or the like, the combination, with the works, and an electric motor which is not self-starting for driving said works, of an auxiliary motor, mechanism comprising a ratchet wheel and a pawl for connecting said auxiliary motor with the electric motor for driving the same during current interruptions, and means set in operation whenever electric current is supplied to the electric motor for blocking said auxiliary motor.

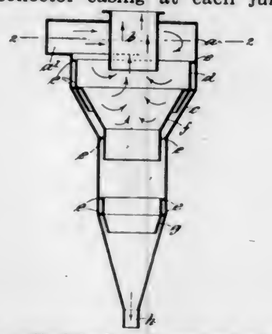
2,067,709
DERRICK
Dee E. Humphrey, Dallas, Tex., assignor of one-half to Missouri Rolling Mill Corporation, St. Louis, Mo., a corporation of Missouri
Application December 26, 1933, Serial No. 703,920
7 Claims. (Cl. 189—13)



5. A structural steel tower having a plurality of wind-bracing panels each comprising two horizontal vertically spaced girts, an intermediate horizontal girt disposed midway between the first girts, a plurality of diagonals each extending from the midpoint of a first girt to an end of the intermediate girt, and a plurality of deflection overcoming sub-struts, each sub-strut extending only from the midpoint of a diagonal to the intermediate girt.

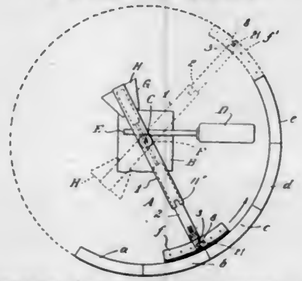
2,067,710
SEPARATOR
Olaf Berg Jacobsen, Wembley, England, assignor to himself and The Buell Combustion Company Limited, London, England, a British limited-liability company, jointly
Application June 4, 1935, Serial No. 24,846
In Great Britain June 21, 1934
1 Claim. (Cl. 183—83)

In a dust separator of the type in which the action of centrifugal force is impressed on the dust particles by giving the air or gas carrying the said particles a rapid whirling or rotating movement inside a volute casing for delivery into a conical collector casing below, the arrangement of a collector casing the upper part of which is of volute form followed by two or more lower parts of combined cylindrical and conical form, each lower part being of less diameter than the part preceding it and a shield of combined cylindrical and conical form disposed inside the collector casing at each junction be-



tween the cylindrical and conical parts of the collector casing so as to follow the contour of the collector casing at a distance therefrom thus leaving an open annular space at each end of each shield and means for holding each shield rigidly in position on the collector casing with a minimum obstructive effect on the matter passing through the annular spaces.

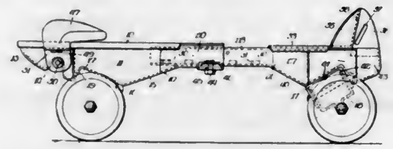
2,067,711
APPARATUS FOR ERECTING TUNNEL LININGS
Miles I. Killmer, New York, N. Y.
Application September 16, 1936, Serial No. 100,985
8 Claims. (Cl. 61—84)



1. Apparatus for positioning tunnel segments which have been provided with gadget bars spanning the flanges thereof, comprising an erector head, means for swinging the head circumferentially of the tunnel, means for moving the head radially of the tunnel, a face of said head which is parallel with the axis of the tunnel being provided with a transverse recess adapted to straddle the gadget bar when the head is properly positioned radially and when it is moved circumferentially into engagement with the gadget bar, and a locking member movable to a position in which it spans said recess and overlies the gadget bar, whereby the gadget bar may be retained in said recess during positioning of a segment.

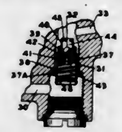
2,067,712
ROLLER SKATE
Leland G. Knapp, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application October 11, 1935, Serial No. 44,481
9 Claims. (Cl. 208—173)

1. A roller skate, comprising a toe assembly, a heel assembly, each of said assemblies formed from a blank to constitute a support including relatively parallel side walls the edges of which terminate in supporting flanges, each of said supports also having a bottom wall including



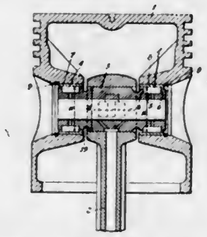
oppositely-inclined portions for bracing the support, toe and heel plates mounted on their respective supports and fixedly connected thereto, and means for adjustably connecting the assemblies.

2,067,713
VALVE DEVICE
Fred A. Kommer, St. Louis, Mo.
Original application November 27, 1934, Serial No. 754,940. Divided and this application February 24, 1936, Serial No. 65,267
6 Claims. (Cl. 277—45)



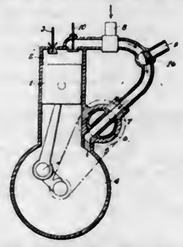
1. A valve device comprising a body member having a bore and threads, said member having restricted offset portions for receiving a tool to facilitate assembling the device with associated structure, said offset portions also forming valve structure abutments, and a valve in said body member and operatively associated with said abutments.

2,067,714
PISTON PIN
Karl Erik Kylén, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application April 25, 1934, Serial No. 722,371
In Sweden September 2, 1933
1 Claim. (Cl. 309—19)



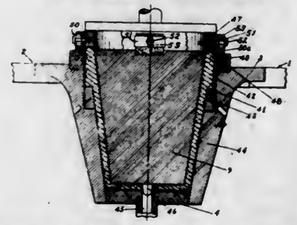
The combination with a piston pin having at the respective ends of the body portion an inner race groove formed in the solid metal of the pin, the sides of which groove constituting guide flanges for bearing rollers, of a set of bearing rollers mounted in each of the race grooves between the guide flanges thereof, the bottom of each of the grooves being at a depth below the surface of the body of the pin which is almost as great as the diameter of the rollers therein.

2,067,715
COMBUSTION MOTOR
Karl Erik Kylén, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application April 18, 1935, Serial No. 16,948
In Sweden April 21, 1934
11 Claims. (Cl. 123—75)



3. In a four-stroke cycle internal combustion engine, a crank-case for said engine provided with a combined inlet and outlet port; a receiver; a distributer casing; a distributer in said distributer casing connected for timed operation with said engine, being adapted to communicate with the receiver; there being a fuel supply conduit to the combustion chamber and an inlet valve therein, the organization being such that the entire fuel supply may be admitted through the said inlet valve and compressed air or no air at all through the distributer; a distributer casing connected by means of a conduit to the inlet and outlet port of said crank-case; a second conduit connecting said distributer casing with the combustion chamber of said engine; means to supply at will pure air or a gaseous mixture to said distributer casing; said distributer operating to connect the said crank-case to receive air or a gaseous mixture upon the compression stroke of the piston of said engine, and to compress said charge in the crank-case and permit storage of compressed air or gaseous mixture in the receiver upon the power stroke of said piston, and to permit an additional charge of air or gaseous mixture to pass to the crank-case of the engine upon the exhaust stroke of the piston, and to compress said additional charge in said crank-case and receiver during the inlet stroke of the piston and to pass said compressed charges from the receiver to the combustion chamber of the engine at the end of the inlet stroke of the piston; means to exhaust the spent gases from the combustion chamber of said engine.

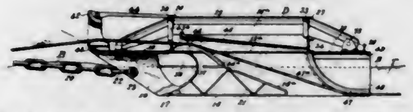
2,067,716
MOLDING DEVICE
Myer S. Landow, York, Pa., assignor to The Pfaltzgraff Pottery Company, York, Pa.
Application July 2, 1935, Serial No. 29,532
11 Claims. (Cl. 25—26)



7. In apparatus of the class described, a female die having a finishing ring, a male die having a finishing ring, said finishing rings when the dies

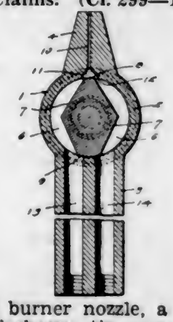
are in working position being substantially spaced apart, and a resilient member carried by the male die and projecting normally a greater distance beyond the male finishing ring than the depth of the space between said rings when in working relation, said resilient material being squeezed through said space between the rings in working relation to form a part of the molding surface as an extension of the wall of the male finishing ring in alignment with the interior finishing walls of the finishing rings, substantially as described.

2,067,717
PLOUGH FOR LAYING SUBMARINE CABLES
Chester S. Lawton, Ridgewood, N. J., and Melville H. Bloomer, Halifax, Nova Scotia, Canada, assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 12, 1935, Serial No. 6,180
In Great Britain November 16, 1934
20 Claims. (Cl. 61—72)



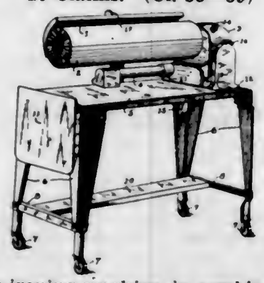
1. Apparatus for embedding submarine cable comprising a cable embedding device for forming under water a trench in the bed of the body of water in which the cable is to lie, and means for lowering said embedding device onto said bed comprising a flexible line having a device secured thereto for releasably engaging said cable embedding device to enable the same to be suspended and lowered from a vessel in substantially upright position onto the bed of the body of water.

2,067,718
OIL BURNER
Nathan W. Martindale, Chanute, Kans.
Application June 29, 1935, Serial No. 29,146
3 Claims. (Cl. 299—140)



3. In an oil burner nozzle, a body having a chamber, a discharge tip connected with the body and having a passage therethrough which enters the chamber, a vestibule at the inner end of said passage in the wall surface of the chamber and having walls converging toward the passage, means facilitating the introduction of two fluids into the chamber, and a body in the chamber formed to maintain the introduced fluids separated therein and having a portion engaging the wall of the chamber and extending across the vestibule, the said body portion being in spaced relation with the inner edges of the vestibule wall whereby to form separate fluid entrance passages to the vestibule, whereby each entering fluid will be directed toward a wall of the vestibule along a path extending transversely to the path of the other fluid, and said second body being movable in a manner to vary the widths of the areas between said body portion and the inner edges of the vestibule.

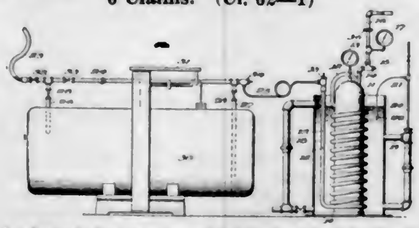
2,067,719
IRONING MACHINE STRUCTURE
John J. McCabe, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 6, 1933, Serial No. 664,767
10 Claims. (Cl. 38—59)



1. In an ironing machine, in combination, ironing members comprising a base member, a padded rotatable roll and a heated member located thereabove, means for supporting said heated member from said base member, means for supporting said roll from said base member comprising a hollow gear case having a closed and an open compartment, gearing in said closed compartment operatively connected to said rotatable roll, a motor carried by said base in the open compartment of said gear case, a disconnectible driving connection between said motor and said gearing, and detachable motor securement means associated with said base for permitting the unitary installation or removal of the motor without disturbing the rest of the machine.

6. In an ironing machine, ironing members comprising a padded rotatable roll and a heated shoe one of which is movable into and out of pressing engagement with the other, means for supporting said members, and power means for driving the roll and for shifting the movable ironing member, said shoe supporting means including a safety release having an operating lever extending above the shoe and pivoted for movement about an axis at right angles to the axis of said roll.

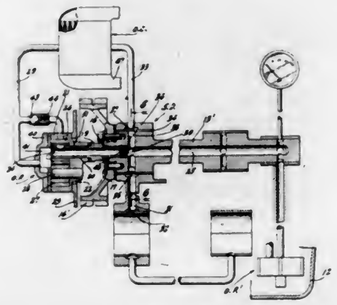
2,067,720
APPARATUS FOR SUPPLYING CHLORINE
Mathew F. McCombs and Francis W. Decker, Niagara Falls, N. Y., assignors to Niagara Alkali Company, Niagara Falls, N. Y., a corporation of New York
Application September 5, 1935, Serial No. 39,354
6 Claims. (Cl. 62—1)



1. Apparatus for providing constant and regulated flow of gaseous chlorine from a source of liquid chlorine in a chlorinating process, said

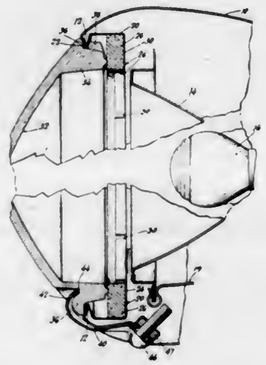
apparatus comprising a tank for supplying liquid chlorine, a flash evaporator to which the chlorine is delivered, a water bath in which said evaporator is immersed, means for heating the water of said bath, thermostatic means for controlling the heating means, thereby to regulate the temperature of said bath, and a valve in the outlet of said evaporator for controlling the flow of gaseous chlorine therefrom.

2,067,721
OIL COOLER
Charles L. McCuen, Lansing, Mich.
Application February 23, 1932, Serial No. 594,427
13 Claims. (Cl. 184—6)



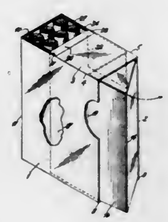
1. In a lubricating system for internal combustion engines: a main oil conduit; a switch device having an outlet which leads to bearings to be lubricated; and an oil-conditioning loop so connected with said main oil conduit, through said switch device, as normally to deliver conditioned oil to said outlet leading to bearings.

2,067,722
DOORLESS HEADLAMP WITH LENS MOUNTED OUTSIDE OF HOUSING
Howard C. Mead and Clarence A. Michel, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 2, 1934, Serial No. 718,590
8 Claims. (Cl. 240—41.5)



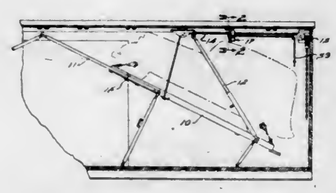
1. A lamp comprising a housing provided with a lens receiving opening having an inturned flange, a split expanding ring inserted within the housing, said ring being grooved to receive the flange on the housing and prevent axial separation thereof, a lens over the housing, a locating formation on the lens and adjustable lens engaging means circumferentially spaced from said locating formation for cooperation therewith in removably holding the lens in place.

2,067,723
WRAPPER OR CARTON
Louis A. Nahm and John F. Nahm, St. Louis, Mo.
Application February 28, 1936, Serial No. 66,247
5 Claims. (Cl. 229—17)



1. A wrapper or carton comprising five walls forming an enclosure open at one side and one of said walls having an opening for removal of contents from said enclosure, a hinged wall for closing said open side of said enclosure, and a wall connected with said hinged wall and movable thereby to positions to close and to open said opening.

2,067,724
CAR LOADING DEVICE
Sulo M. Nampa, Detroit, Mich., assignor to The Worth Company, a corporation of Michigan
Application November 21, 1934, Serial No. 754,016
6 Claims. (Cl. 105—368)



1. The combination with a freight car or the like, of an automobile loading frame adapted to be elevated, a hoisting mechanism mounted in the car and including elements for engaging the frame and elevating it, latching means mounted in the car for holding the frame in elevated position, and means for positively preventing release of the latching means until the frame is being supported by the hoisting mechanism.

2,067,725

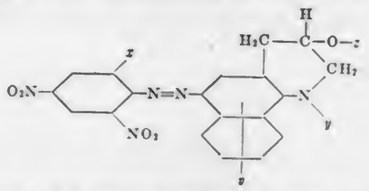
AZO DYES FOR ACETATE SILK AND THEIR PRODUCTION

Heinrich Ohlendorf and Hans Lange, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 4, 1934, Serial No. 755,878. In Germany December 19, 1933

12 Claims. (Cl. 260—38.5)

1. The dyes corresponding to the general formula—



in which x is a substituent selected from the group consisting of chlorine and bromine, y stands for a radicle selected from the group consisting of hydrogen, alkyl, and hydroxyalkyl, z for a radicle of the group consisting of hydrogen and alkyl and v is an element of the group consisting of hydrogen and halogen, said dyes dyeing acetate silk clear blue tints.

2,067,726

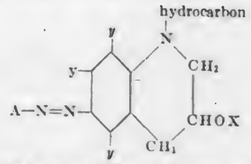
WATER INSOLUBLE MONOAZO DYES

Heinrich Ohlendorf and Erich Baumann, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 10, 1935, Serial No. 30,735. In Germany August 11, 1934

12 Claims. (Cl. 260—38.5)

1. The dyes corresponding to the general formula —



in which A is a radicle of a nitro compound of the benzene series, X is a member of the group consisting of hydrogen and alkyl and y is a member of the group consisting of hydrogen, alkyl, alkoxy and halogen, said dyes being insoluble in water and dyeing, suspended in a soap solution, acetate silk red to violet to blue to bluish brown tints of good fastness.

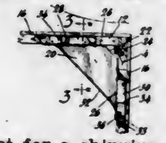
2,067,727

SHIPPING BOX BRACE

Alpha D. Peister, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 31, 1936, Serial No. 61,703

4 Claims. (Cl. 20—92)



1. In a bracket for a shipping container, edge portions at right angles to each other and adapted to abut against the insides of the container, strengthening flanges on the edge portions, said flanges having saw cuts therein, and an additional strengthening flange extending between the edge portions.

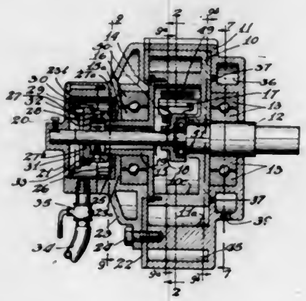
2,067,728

ROTARY MOTOR

Gerhardt Plato, Chicago, Ill.

Application August 18, 1934, Serial No. 740,492

14 Claims. (Cl. 121—73)



1. In a rotary motor, the combination of a casing having a cylindrical bore and end walls, a rotary shaft extending into said bore coaxially therewith, a rotor in said bore and fitting the end walls thereof and secured to said shaft, said rotor having a cylindrical outer surface eccentrically disposed relatively to the axis of said shaft and a free fit at its high point in said cylindrical bore, a plurality of abutments carried by said casing and equally spaced angularly and movable into and from said cylindrical bore to engage the outer surface of said rotor, said rotor being hollow, a disk enclosing the space in said rotor, a sleeve extending from said disk away from and in axial alinement with said shaft, said rotor having an intake port extending therethrough radially and back of said rotor high point, the end of said rotor remote from said disk having an exhaust recess extending around said rotor from in front of said rotor high point forwardly and stopping back of the low point of said rotor, said casing having an annular exhaust passageway therein adjacent the recessed end of said rotor and an annular row of exhaust ports from said exhaust passageway into said cylindrical bore in line with said rotor recess and closed by the unrecessed portion of the recessed end of said rotor, and means for supplying fluid under pressure to said sleeve and thereby to the interior of said rotor.

2,067,729

PROCESS FOR THE DECOMPOSITION OF HYDROCARBONS AND CATALYST THEREFOR

Frank Porter, Syracuse, N. Y., assignor to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York

No Drawing. Application July 16, 1931, Serial No. 551,299

7 Claims. (Cl. 23—212)

1. A catalyst for promoting the reaction between a hydrocarbon and steam comprising chromium oxide and an oxide of molybdenum and containing substantially no nickel, iron or cobalt.

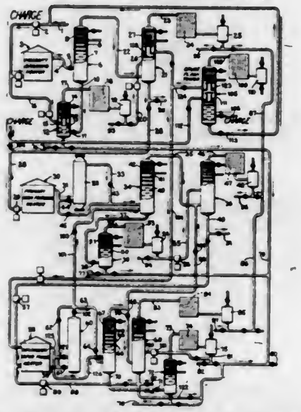
2,067,730

PROCESS FOR THE TREATMENT OF HYDROCARBON OIL

Ralph H. Price, Galveston, Tex., and Rodney V. Shankland, Hammond, Ind., assignors to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana

Application May 23, 1934, Serial No. 727,046

6 Claims. (Cl. 196—49)



1. The process of treating hydrocarbon oil which comprises passing relatively heavy charging oil, not suitable for use as clean cracking stock, through a viscosity breaking cracking zone wherein it is raised to a cracking temperature and subjected to conversion, separating the resulting cracked products into vapors and a liquid residue in a first separating zone, fractionating vapors so obtained in a first fractionating zone to form a final desired light distillate, a heavy naphtha condensate, and a clean gas oil condensate, combining fresh virgin gas oil with said gas oil condensate and passing the resulting mixture through a primary, high-pressure, cracking zone wherein it is raised to a cracking temperature and subjected to conversion, separating resulting cracked products into vapors and a liquid residue in a second separating zone, fractionating resulting vapors in a second fractionating zone to form a quantity of final desired distillate and a clean gas oil condensate, passing said clean gas oil condensate through a secondary cracking zone wherein it is raised to a vapor phase cracking temperature and subjected to conversion, separating the resulting cracked products into vapors and a liquid residue in a third separating zone, fractionating the separated vapors to form an additional quantity of final desired distillate, simultaneously passing said heavy naphtha condensate through a separate reforming zone wherein it is raised to a cracking temperature and subjected to reformation and introducing the resulting reformed products into said third separating zone.

2,067,731

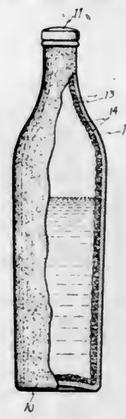
METHOD OF PRODUCING SEALED CRYSTAL LAYERS IN BOTTLES

Frank Prochazka, Cicero, Ill.

Application November 16, 1935, Serial No. 50,247

4 Claims. (Cl. 91—68)

1. In a process of coating the interior of a liquid container, the steps of first applying to the interior of the container a syrup of gluey consistency in a relatively thin layer; thence placing sugar crystals into said bottle and distributing same over substantially the entire inner surface so that the same will adhere to said syrup; allowing the syrup and crystals to dry and harden; and thence



applying molten paraffin to the inner surfaces of said crystal coating and allowing said paraffin to harden.

2,067,732

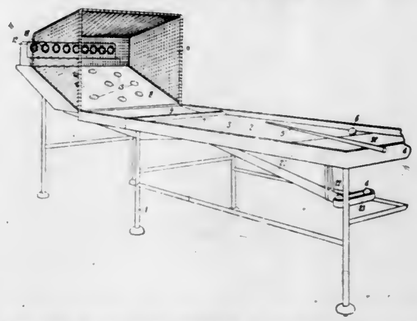
APPLIANCE FOR PLAYING A GAME

Herbert Arnold Rimmer, Glasgow, Scotland, assignor of one-half to Alexander Wallace, Glasgow, Scotland, and one-half to John Donald Mackenzie, Lanarkshire, Scotland

Application February 7, 1934, Serial No. 710,177

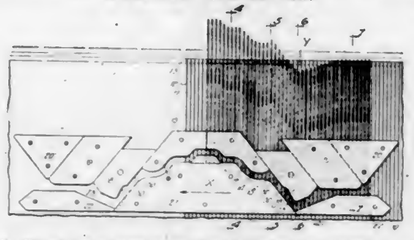
In Great Britain February 8, 1933

1 Claim. (Cl. 273—95)



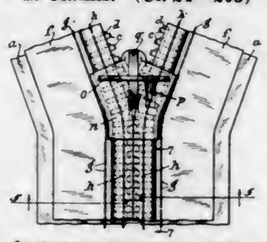
An appliance for playing a cue-and-ball game comprising a flat table top, an obstacle mounted on said top adjacent to an end thereof and adapted to impart a jump or leap to a ball played along said top, an inclined landing board spaced behind said obstacle, an intermediate inclined board located between said landing board and obstacle, a plurality of spaced axially movable stems which penetrate said landing board and are adapted to be knocked down by impact of a ball alighting on the upper end thereof, a flanged collar secured on each stem under said landing board, a plurality of electric snap switches, a lever presented by each switch and having an end located between the flanges of aforesaid collar, an electrical indicator device located at the upper end of said landing board and presenting a plurality of lamps each of which is included in the same circuit as an aforesaid switch, guide rails on said intermediate board, and a ball returning tube located under aforesaid table top.

2,067,733
KNITTING MACHINE
Ladislaus Robaczynski, Brooklyn, N. Y.
Application September 13, 1935, Serial No. 40,359
3 Claims. (Cl. 66—63)



1. In a cam system for knitting machine carriages, a bridge cam comprising a main body portion and leg portions extending therefrom, said leg portions having straight angularly disposed outer edges, and a stitch cam cooperating with each leg portion of the bridge cam and having sliding engagement with the straight outer edge thereof, the inner edge and end of each leg of the brige cam being curved with the curve terminating abruptly at the straight edge of its respective leg of the bridge cam at a point forward of the rearmost portion of the leg of the bridge cam.

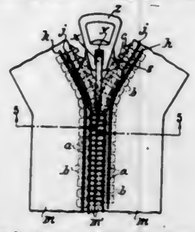
2,067,734
INTERLOCKING FASTENER STRUCTURE
David Silberman, New York, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application March 21, 1932, Serial No. 600,178
In Germany January 19, 1932
42 Claims. (Cl. 24—205)



26. In a fastener structure of the slide-operated type, the combination of a base portion, a row of fastener elements attached thereto and projecting from an edge thereof, and a cover portion overlying said fastener elements and secured to the base portion by stitches penetrating the cover and base portions at points intermediate the attaching and interlocking ends of each fastener element and between adjacent fastener elements in a row.

2,067,735
INTERLOCKING FASTENER STRUCTURE
David Silberman, New York, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application December 1, 1932, Serial No. 645,167
31 Claims. (Cl. 24—205)

23. A fastener element of the slide-operated type, comprising two plate-like portions disposed at right angles to each other, the thickness of each plate being considerably less than the dimension of the other plate in the same direction, one of said plates being attached to a base strip, securing means to maintain such relation and the other plate being provided with an ele-



ment adapted to interlock with a similar fastener element attached to an adjoining fabric strip.

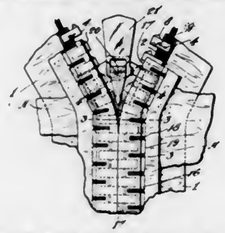
2,067,736
SLIDE OPERATIVE FASTENER STRUCTURE
David Silberman, New York, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application January 14, 1935, Serial No. 1,633
4 Claims. (Cl. 24—205)



1. A fastener structure of the slide operated type comprising a flexible supporting strip folded along its length to form a folded edge, a flexible element positioned intermediate the folded portions of said supporting strip adjacent to said folded edge and extending longitudinally of said strip, a row of interlocking elements having attaching portions for securing them to the folded edge of said supporting strip, the attaching portions thereof being in the form of jaws which are adapted to clinch the edge portion of said strip about said flexible element so that the folded portions of the strip are compressed together tightly along a line immediately in back of the flexible element and the latter is securely encased between said folded portions, one of the folded portions of said supporting strip being reversely folded over the attaching portions of said elements and substantially covering the row of elements and a line of stitching for securing said reversely folded portion closely against the fastener elements.

2,067,737
SEPARABLE FASTENER
Leo Roseman, Newark, N. J., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application March 3, 1932, Serial No. 596,431
3 Claims. (Cl. 24—205)

1. A fastener structure of the slide-operated type comprising two stringers, each including a base portion having a series of fastener elements attached thereto, said elements having anchoring portions secured to said base portion and locking portions projecting beyond said base portion and adapted to interlock with the locking portions of the elements in the series attached to the other stringer, a cover portion overlying said fastener elements and extending far enough towards the projecting ends of the elements so that when the series of fastener elements are in interlocked engagement with the series of fastener elements on the other stringer the outer edge of such cover portion meets with the outer edge of the cover portion on the other stringer to completely conceal the fastener elements, attaching means for positively securing that section of said cover portion covering the anchoring portions of the elements against such portions of the elements and for holding that section of the cover portion covering the locking portions of the elements in yieldable condition against such portions of the elements, an actuating member having two differently dimensioned spaced wings overlying opposite sides of said locking members and slidable thereon, an angular element between the two wings and providing divergent channels within the actuating member to cause a V-shaped spread of the fastener elements and their associated cover portions on separation of the fastener elements from each other, the larger one of said wings having side flanges engaging behind the anchoring portions of said fastener elements so that the two series of fastener elements will be moved into and out of engagement with each other upon sliding of said actuating member the



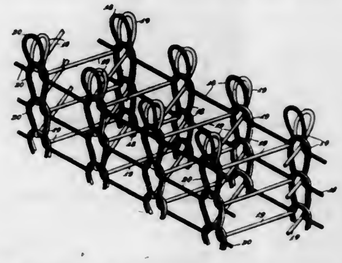
smaller one of said wings being disposed between said fastener elements and those parts of the cover portions which yieldably cover the locking portions of the elements, a stud provided on said smaller wing and rising between said cover portions, said stud being located on said smaller wing within the area defined by the V-shaped spread between the edges of those parts of the cover portions overlying such wing and having a cross-sectional area, in the region defined by such spread parts of the cover portions, less than the area of such V-shaped spread, whereby the edges of the cover portions are maintained out of contact with said stud during the movement of the actuating member and a finger piece pivotally attached to said stud for moving said actuating member.

2,067,738
METHOD OF TREATING CARBONACEOUS ELECTRODE-ELEMENTS
Masutaro Suzuki, Oji-ku, Tokyo, Japan, assignor to Asahi Denka Kogyo Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan
No Drawing. Application June 4, 1935, Serial No. 24,851. In Japan April 11, 1935
2 Claims. (Cl. 91—68)

1. Method of treating a carbonaceous electrode-element, comprising chlorinating to the maximum extent a material selected from the class consisting of oil, fat and fatty acid, impregnating said carbonaceous electrode-element with the chlorinated material thus prepared, and treating the impregnated electrode-element with concentrated sulphuric acid to convert only the surface portion of the chlorinated material in the pores of said electrode element into a substance consisting mainly of carbon having suitable porosity.

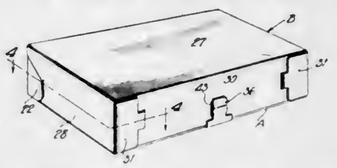
2,067,739
KNITTED FABRIC AND METHOD OF MAKING THE SAME
Frank M. Tanski, Maspeth, N. Y., assignor to Karo Knit Fabrics, Inc., New York, N. Y., a corporation of New York
Application July 1, 1936, Serial No. 88,316
5 Claims. (Cl. 66—196)

2. A smooth seamless tubular knit fabric comprising four layers of loops, said loops being formed from a first yarn and a second yarn and a third yarn, the loops of the first yarn being confined to one of said layers, the loops of the second yarn being confined to a second layer, the loops of the third yarn forming the other two layers, successive loops of the third yarn being connected by transverse portions of said third yarn,



said loops being sufficiently fine relative to the gauge of the yarns and the loops of the third yarn being sufficiently tight and under greater tension than the loops of the other yarns, so as to knot said loops even if said three yarns are severed in a part of said knit fabric, so as to make said fabric non-running.

2,067,740
SHIPPING BOX OR CARTON
Abraham Uzell, Brooklyn, N. Y.
Application January 22, 1936, Serial No. 60,153
7 Claims. (Cl. 229—45)

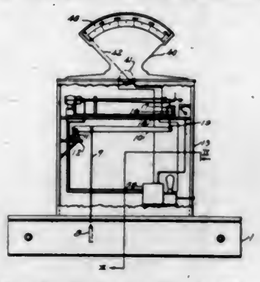


7. In combination, inner and outer lapping walls, the latter having a pair of spaced slots therein, the inner wall adjacent said slots having an opening therein, a locking member comprising a bendable body, pairs of wing flaps foldable inwardly from opposite sides of said body, said pairs of slots being of a length less than the combined length of the respective pairs of wing flaps, whereby said body may be outwardly flexed to effect insertion of the wing flaps into said spaced slots and through said opening for outward folding to effect a locking of the same inside of the outer lapping wall when said body is subsequently flattened against the exterior of the outer wall.

2,067,741
WEIGHING SCALE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application December 18, 1931, Serial No. 581,810
10 Claims. (Cl. 265—70)

1. In a device of the class described, in combination, a load-supporting lever system, an electromagnetic load-counterbalancing means operatively connected to said load-supporting system, a lever actuated by said electromagnetic load-counterbalancing means, a lamp, a photoelectric element, means on said lever for shading said

photoelectric element, and electric circuit means controlled by said photoelectric element and con-



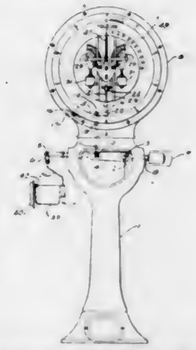
trolling said electromagnetic load-counterbalancing means.

2,067,742

PROCESS FOR DETERMINING CHARACTERISTICS OF CONCRETE AGGREGATES

Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey

Application April 8, 1932, Serial No. 603,907
4 Claims. (Cl. 265—44)



2. The process of determining the amount of moisture in material which includes the steps of weighing out a definite amount of the moist material, adding water to the said moist material until a definite volume of water and material is obtained, weighing the water and material together, and determining the amount of moisture according to the equation

$$(S'+X)+W'-\left(\frac{S'}{\text{sp. gr.}}+X\right)=T'$$

where S' is the weight of moistureless material in the sample, W' is the weight of a volume of water equal to the given volume, sp. gr. is the specific gravity of the material, T' is the total weight of the material and water constituting the given volume, and X is the weight of the moisture in the sample.

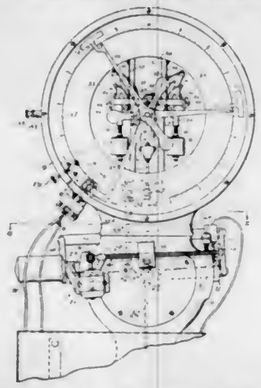
2,067,743

WEIGHING DEVICE

Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey

Application February 2, 1934, Serial No. 709,496
12 Claims. (Cl. 249—61)

1. In a device of the class described, in combination, automatic load-couterbalancing mechanism, a poise, means connected to said automatic load-counterbalancing mechanism and supporting said poise to act in substitution for said automatic load-counterbalancing mechanism, electric poise-positioning means, means connecting said poise-positioning means to said poise to move said poise into load-counterbalancing position, control means for said electric poise-positioning means, means operated by movement of said automatic load-counterbalancing mecha-



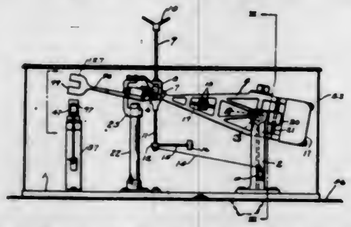
nism away from zero position to actuate said control means to cause said poise-positioning means to move said poise into load-counterbalancing position whereby said automatic load-counterbalancing mechanism is returned to zero position, and means operated by the return of said automatic load-counterbalancing mechanism to zero position to actuate said control means to stop the operating of said poise-positioning means.

2,067,744

WEIGHING AND CLASSIFYING DEVICE

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey

Application October 25, 1933, Serial No. 695,094
11 Claims. (Cl. 209—121)



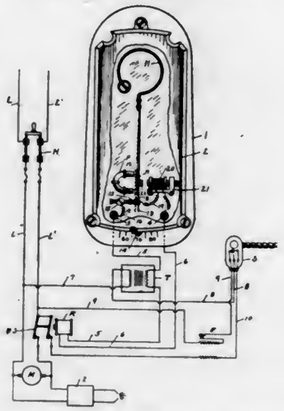
1. In a device of the class described, in combination, a device to determine the weight of an article, means for conveying such article to one of a plurality of receptacles, and means in operative relation to said weight determining device to influence the setting of said article conveying device, said influencing means comprising a photo-electric element and a light source to cause light rays to impinge upon said photo-electric element, and means, comprising a member actuated by said weight determining means to intercept such light rays, said light ray intercepting member having a series of intercepting surfaces for successively shading and illuminating said photo-electric element.

2,067,745

ROOM THERMOSTAT

Walter W. Williams, Bloomington, Ill.

Application May 12, 1934, Serial No. 725,247
3 Claims. (Cl. 200—138)



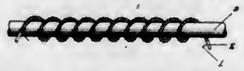
1. A thermostatic electric switch having a fixed contact connected to a binding post, a movable contact connected to a binding post and mounted upon an arm of a thermostatic member responsive to temperature changes to reciprocate said movable contact to engage and disengage the fixed contact to make and break the circuit between the binding posts, a fixed magnet adjacent the fixed contact, an armature therefor upon the movable contact carrying arm whereby as soon as the thermostatic member moves the armature to enter the field of the fixed magnet the contacts are closed with a snap, an electro-magnet connected in series between the movable contact and its binding post arranged on the other side of the movable contact carrying arm, an armature therefor upon the contact carrying arm, said magnet so arranged that upon the engagement of the contacts the energization of the electro-magnet will exert a pull upon its armature to neutralize the pull of the fixed magnet.

2,067,746

LAMP FILAMENT AND METHOD OF MANUFACTURE THEREOF

Roland M. Zabel, Lynnfield, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application November 8, 1934, Serial No. 752,016
7 Claims. (Cl. 176—40)



6. The method of forming a doubly convoluted tungsten filament which includes the steps of winding the filament around a molybdenum mandrel to form the primary convolutions, winding the molybdenum mandrel and the primary convolutions around a steel mandrel of larger diameter to form the secondary convolutions, heating the steel mandrel with the molybdenum mandrel and filament thereon to a temperature in the neighborhood of 1100° C., removing the steel mandrel, heating the molybdenum mandrel with the filament thereon to a temperature in the neighborhood of 1650° C., and then removing the molybdenum mandrel.

2,067,747

ELECTROLYTES FOR PLATING RHODIUM AND METHODS OF MAKING THE SAME

Fritz Zimmermann, Newark, N. J., assignor to Baker & Co., Inc., Newark, N. J., a corporation of New Jersey

No Drawing. Application September 19, 1931, Serial No. 563,887
10 Claims. (Cl. 204—1)

3. An alkaline electrolyte obtained by dissolving in ammonia an ammonium rhodium nitrite compound, the amount of nitrogen in the compound being less than the amount of nitrogen in ammonium rhodium nitrite or ammonium sodium rhodium nitrite.

2,067,748

METHOD OF MAKING SOLUBLE SALTS AND PRODUCTS THEREOF

Fritz Zimmermann, Newark, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey

No Drawing. Application January 9, 1935, Serial No. 953. In Great Britain May 12, 1934
17 Claims. (Cl. 23—14)

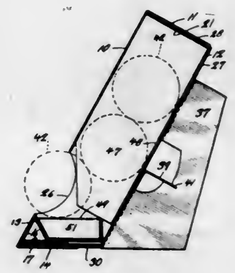
1. A water soluble complex of rhodium and nitrite united with ammonium and containing no other acid radicals than the oxides of nitrogen, the nitrite content in proportion to the rhodium being less than the nitrite content of ammonium rhodium nitrite or ammonium sodium rhodium nitrite.

2,067,749

CONTAINER

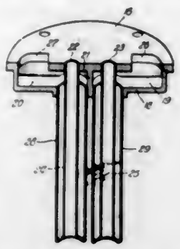
Lester R. Zimmerman and Jonas Schuchat, Chicago, Ill.

Application August 18, 1934, Serial No. 740,390
3 Claims. (Cl. 206—44)



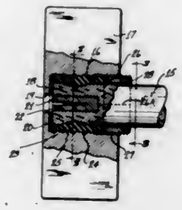
1. A display dispensing device comprising a container having a front, back and sides, the front having a discharge aperture therethrough, and the bottom being at an angle to said front and back, an easel for supporting said container in an inclined position, partitions extending from the front to the back of said device and from side to side for dividing the container into a plurality of parallel compartments, and a merchandise supporting member comprising a tubular member trapezoidal in cross section and extending from side to side of said container, the front of said container having adjacent the discharge aperture therein an extension of material that is folded inwardly to provide a support for said trapezoidal merchandise supporting member.

2,067,750
FILLING MACHINE
Ralph B. Bagby, Chicago, Ill.
Application April 20, 1936, Serial No. 75,348
2 Claims. (Cl. 226—100)



1. In a filling machine, the combination of a hopper providing three compartments, filling apparatus, including a valve for withdrawing materials from the hopper, a plate beneath the valve, means providing a pair of chambers beneath the plate, said plate having openings above the chambers, a pair of tubes projecting through the plate and through said chambers, and a second pair of larger tubes surrounding the first tubes and open at their upper ends to said chambers, said valve serving to place said center tubes in communication with the middle compartment of the hopper and the respective side compartments with said chambers.

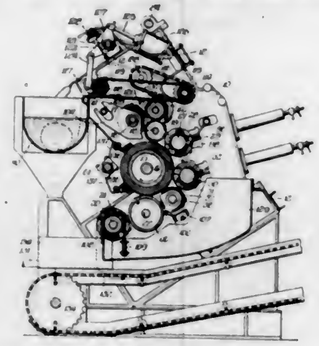
2,067,751
SECURING MEANS FOR TOOL HANDLES
Raymond E. Beegle, East St. Louis, Ill.
Application March 2, 1935, Serial No. 8,986
8 Claims. (Cl. 306—20)



1. In combination in a hand implement of impact type, a head provided with an eye, a handle having an end extended into, and smaller than said eye, an elastic cushion member about the handle and within the eye, a metal element in variable compression engagement with the cushion member, and an element of deformable metal constituting a loading within the handle end, and adapted for compressive deformation, internally to expand the end of the handle against said cushion member.

2,067,752
CARPET CLEANING MACHINE
Stephen Chase, IV, Kenilworth, and George H. Palm, Chicago, Ill., assignors to Chase Manufacturing Company, Wilmington, Del., a corporation of Delaware
Application August 18, 1934, Serial No. 740,414
19 Claims. (Cl. 15—40)

1. In a rug cleaning machine, in combination, a carrier roll, means for rotating same, feed means operable to feed rugs one after another to the carrier roll, a brush cooperating with the carrier roll to feed the rugs progressively, means



for actuating the brush to scrub the rugs while they are passing the carrier roll, and a wringer roll cooperating with the carrier roll to squeeze the rugs after they have passed the brush.

2,067,753
FRUIT BASKET AND LINER THEREFOR
Charles E. Cooper, Benton Harbor, and Joseph L. Willmeng, Watervliet, Mich.
Application February 27, 1936, Serial No. 66,086
2 Claims. (Cl. 217—3)

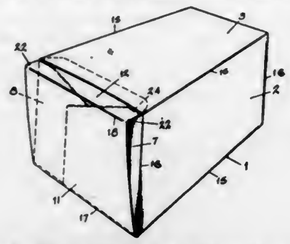


1. A fruit package comprising a straight side bushel basket, a conical flexible paper liner for the walls of said basket with radially inwardly-projecting protective and decorative tabs integral therewith and creased and folded at their bases extending externally over the outer ring of fruit and adapted to be engaged thereby, a corrugated protective cover cap disk adapted to engage the said tab extensions at the periphery and retain them against the fruit to protect the same, and a basket cover comprising a rim and cross slats embracing the said disk and tabs.

2,067,754
CARTON
Homer A. Decker, Toledo, Ohio, assignor to Butler Paper Products Company, Toledo, Ohio, a corporation of Ohio
Application April 22, 1936, Serial No. 75,776
2 Claims. (Cl. 229—39)

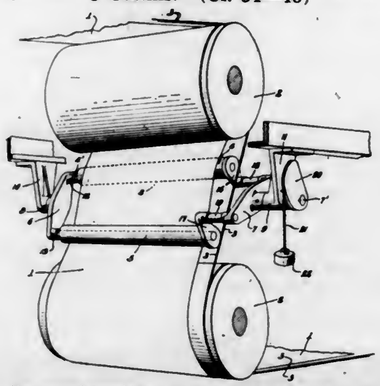
1. In a carton having side and end parts and tongues extending from two of the side parts, the end parts having flaps, the carton having depressions along the lines of division of the said parts producing raised portions within the said carton along the said lines of division, each flap insertable between two of the tongues and one of the side parts and between two of the opposite side parts, the flaps having semi-circular notches located on opposite side edges of the flaps and

near the juncture of the flaps and the end parts and having a size to substantially fit the nodules



produced by the meeting of the lines of the raised portions in the corners of the carton.

2,067,755
TENSION CONTROLLING MEANS
Herbert L. Dyer, Jr., Erie, Pa., assignor to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania
Application July 26, 1933, Serial No. 682,173
8 Claims. (Cl. 34—48)



1. In combination, a pair of drying cylinders adapted to have a web of flexible material passed thereover and to rotate in opposite directions during the travel of said material, means responsive to variation in the drying action of said cylinders for changing the area of contact between said web and said cylinders to compensate for said variation, said means comprising elements spaced from each other in the direction of travel of said web and engaging opposite sides of the latter between said cylinders, and means constantly urging said elements to rotate about an axis spaced from the longitudinal axes of said elements and in such direction as to exert forces against the sides of said web.

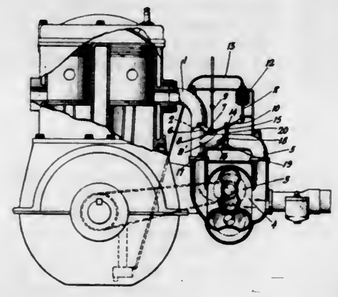
4. In combination, a pair of drying cylinders adapted to rotate in opposite directions and to have passed thereover a web of flexible material variable as to length under the drying action of said cylinders, means engageable with said web and responsive to a tendency of the web to change in length for automatically causing said web to bear with such pressure and over such area upon said cylinders as to maintain the tension in said web constant despite variations in the internal characteristics of said web under the drying action of said cylinders, said means comprising elements bearing against said web at points between said cylinders and means causing said elements to exert pressure against opposite sides of said web.

2,067,756
SHAVING BRUSH
Louis Espinosa, Maspeth, N. Y.
Application March 5, 1935, Serial No. 9,361
1 Claim. (Cl. 15—122)



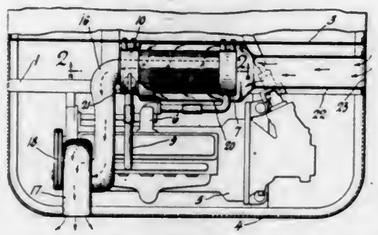
A shaving brush comprising a hollow handle closed at one end, a partition inwardly of the other end of the handle and forming a base of a recess within which to receive a set of bristles, the space between the closed end of the handle and the partition constituting a soap chamber, an open ended tube positioned axially of the handle, a tubular cake of soap within said chamber and normally fitting closely about said tube one end of the tube extending through the partition and terminating among the bristles and the other end extending through the closed end of the handle and terminating flush with the outer surface thereof to enable the trapping of water within the tube by the placing of the finger of the user over said last named end of the tube, the walls of the tube within the soap chamber being perforated to cause the mixing of the trapped water with the soap and the walls of the tube beyond the partition being imperforated for discharging the water adjacent the center of the bristles.

2,067,757
ENGINE BLOWER CONTROL
Arthur Fielden, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 15, 1933, Serial No. 689,517
12 Claims. (Cl. 123—119)



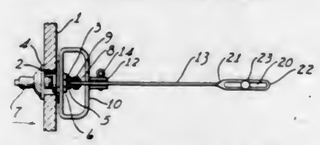
1. In combination, an internal combustion engine, a source of fuel supply, a blower, a master control means for the engine, a device responsive to the speed developed by the engine, and means whose position is differentiated in accordance with the position of the master control and said device, automatically controlling the supply of fuel and the effective output of the blower in accordance with the power requirements of the engine.

2,067,758
ENGINE COOLING SYSTEM
Howard A. Flogaus, Ferndale, Mich.
Application May 18, 1936, Serial No. 80,229
3 Claims. (Cl. 180—54)



1. In a heat exchanger, a series of spaced fin plates each having a central opening therethrough, a circumferential succession of tubes extending through the fin plates and arranged in relation to the opening in the fins to provide a central duct, inlet and outlet headers at opposite ends of the fin and tube assembly in communication with the tubes, at least one of said headers extending across and closing the end of said central duct, and draft producing means to move a fluid axially through said duct and radially across the fin plates.

2,067,759
LIFT ROD CONNECTION
Gordon P. Gavin, Kohler, Wis.
Application August 29, 1935, Serial No. 38,353
7 Claims. (Cl. 4—67)

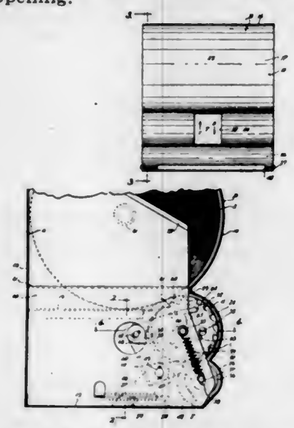


1. A flush valve comprising a flush ball, a lift rod attached thereto, a trip arm, means for actuating said trip arm to raise said lift rod and said flush ball, characterized by a slot in said trip arm extending transversely of said lift rod, the lift rod extending through said slot, and a head on said lift rod of larger diameter than the width of said slot, said head being provided with a beveled portion adapted to allow said head to slide freely in said slot.

2,067,760
TOWEL CABINET
Leo M. Harvey, Los Angeles, Calif.
Application October 5, 1934, Serial No. 746,985
56 Claims. (Cl. 242—55.2)

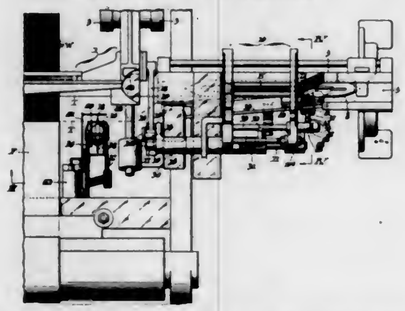
6. A towel cabinet including, a case for housing a supply roll of toweling and having an opening in its front wall, and means wholly within the case governing the withdrawal of toweling from the case including a rotatable control member in the case having supporting and feeding engagement with the periphery of the roll and located opposite and immediately behind the opening to substantially close the opening so that the operator can engage the means at the opening to actuate it.

24. In a towel dispensing device, a case for housing a supply of toweling, the case having an outlet opening for the toweling and a second opening past which the toweling moves to the outlet opening and through which the user may engage a portion of the toweling within the case, means in the case for automatically stopping the passage of toweling from the case to limit the amount of toweling that may be withdrawn from the case at one operation, and a member in the case to temporarily disengage said means operable by pressure applied by the user engaging said portion of the toweling through the second opening.



35. A device of the character described including a case, an elongate supply of sheet material in the case, the supply having longitudinally spaced openings and being weakened transversely along longitudinally spaced lines, and means for controlling the removal of material from the case and facilitating division of the material along said lines including a control member adapted to penetrate the said openings.

2,067,761
WEFT SEVERING MECHANISM FOR LOOMS
William R. Hewton, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 24, 1935, Serial No. 32,823
12 Claims. (Cl. 139—263)

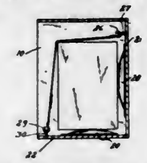


1. The combination in a loom having a shuttle, a shuttle box, and automatic weft-replenishing mechanism; of weft severing mechanism including a grate across an opening at one side of the shuttle, means for clamping the trailing end of the weft against the grate on the shuttle when the latter is indicated for replenishment and resting in the shuttle box, and for penetrating the grate to sever the weft while so clamped.

2,067,762
PROCESS OF PRODUCING CEMENTITIOUS MATERIAL
Gilbert A. Hoggatt, Buffalo, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application March 1, 1934, Serial No. 713,618
12 Claims. (Cl. 106—34)

1. The process of manufacture of calcined gypsum which comprises calcining gypsum, and adding ammonium acetate to the gypsum before completion of the calcining operation.

2,067,763
RECEPTACLE
James Holan, Lakewood, Ohio, assignor to American Coach and Body Company, Cleveland, Ohio, a corporation of Ohio
Application October 29, 1934, Serial No. 750,555
2 Claims. (Cl. 220—63)

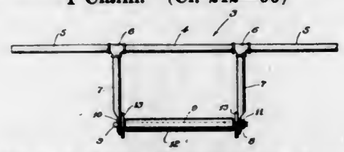


2. A receptacle for meters having two walls disposed at right-angles to each other, padding on each of the walls, and an elastic harness adapted to be connected to the walls to provide the sole means for holding a meter against the padded surfaces.

2,067,764
TREATMENT OF HYDROCARBONS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 28, 1934, Serial No. 745,944
5 Claims. (Cl. 196—10)

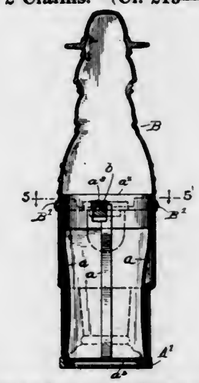
1. A process for the treatment of aromatic hydrocarbons to improve their knock rating when used as motor fuel which comprises, subjecting the said aromatic hydrocarbon to the action of an olefin containing gas in the presence of a calcined mixture of an acid of phosphorus and an adsorbent, and at an alkylating temperature.

2,067,765
BARBWIRE REEL HOLDER
Walter Juranic, Red Hook, N. Y.
Application January 4, 1936, Serial No. 57,615
1 Claim. (Cl. 242—96)



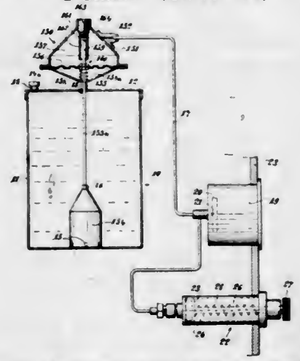
A barbwire reelholder comprising a U-shaped frame, said frame including an intermediate member, T-shaped fittings connected to each end of said member, handle portions extending outwardly from said T-fittings, depending parallel leg members extending from said T-fittings and flattened at their lower ends, a spindle removably supported between said leg members and a rotatable sleeve surrounding said spindle and adapted to support the barbwire reel.

2,067,766
ORNAMENTAL MOLDED FIGURE
Henry P. C. Keuls, New York, N. Y.
Application February 18, 1936, Serial No. 64,500
2 Claims. (Cl. 215—12)



1. An article of manufacture, comprising a lower integral portion hollowed-out to receive the body portion of a bottle, an upper integral portion arranged to fit on the lower portion and hollowed-out to receive the upper or neck portion of the bottle, said portions when fitted together completely hiding the bottle from view, means extending beyond the edge of one of the portions and fitting within the other portion for holding said portions against lateral displacement and including a cylindrical element secured to the inner wall of the lower portion, and means for holding the bottle in place in said lower portion, said means including a plurality of longitudinal inwardly bowed leaf springs fastened at their upper ends to said cylindrical element and adapted resiliently to engage the lower body portion of the bottle so as securely to hold it in place.

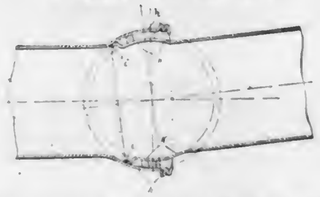
2,067,767
HYDROSTATIC GAUGE
Paul Kollsman, Woodhaven, N. Y.
Application July 1, 1932, Serial No. 620,397
1 Claim. (Cl. 73—54)



An aircraft hydrostatic gauge system including air pressure conveying means of relatively fine bore in open communication at a lower end with a liquid whose head is to be measured, a pressure sensitive means connected to the pressure conveying means, means for injecting air into the pressure conveying means, and means for closing the pressure conveying means to prevent a

portion of said liquid from flowing therethrough, the closing means including a valve means, a diaphragm below the same for opening and closing the valve means upon respective downward and upward movement of the diaphragm, and a casing for the valve means and diaphragm divided by the latter into upper and lower compartments that are in communication with each other, the diaphragm being of sufficient area and having the compartment above the same in communication with the pressure injecting means so as to be adapted to positively open the valve means, and the lower compartment being in communication with the pressure conveying means so that the diaphragm is raised to close the valve means by liquid received in the lower compartment, said valve means controlling the intercommunication between said compartments, the closing means and the pressure conveying means being normally wholly air filled, and resilient means for automatically raising the diaphragm to close the valve means when the gauge system is tilted through an angle by the aircraft, and the indicator being substantially unaffected by the operation of the closing means, said casing being spaced along the pressure conveying means so that said lower compartment is above the liquid and constitutes a trap for liquid in the pressure conveying means adapted to drain liquid in the trap back into the pressure conveying means, and the pressure conveying means affording a resistance to the flow of liquid into said lower compartment.

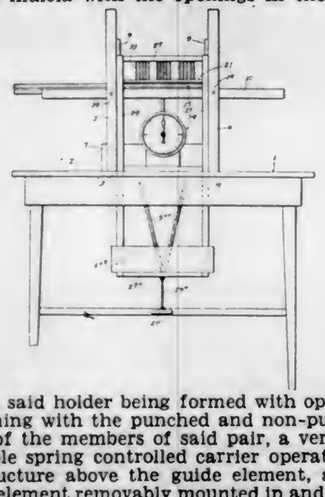
2,067,768
BALL AND SOCKET JOINT FOR PIPES
Friedrich Krefft, Dusseldorf-Oberkassel, Germany
Application January 19, 1934, Serial No. 707,352
In Germany March 18, 1933
1 Claim. (Cl. 285—91)



A rigid connection for steel pipe sections of permanent angular disposition in a pipe line, comprising in combination, a rolled steel pipe having a substantially spherical socket of larger diameter than the pipe, an inserted pipe having a substantially spherical end of smaller diameter than the spherical socket and an outwardly flared flange at the end of the inserted pipe which lies within the socket, said flange having a diameter slightly greater than the diameter of the pipe whereby when said pipe end is inserted in said socket said flange engages the interior wall of the socket for limiting the insertion of said end into the socket to less than the full depth of the socket, thereby providing a chamber with an annular entrance of uniform depth between said pipe end and socket for the reception of caulking material.

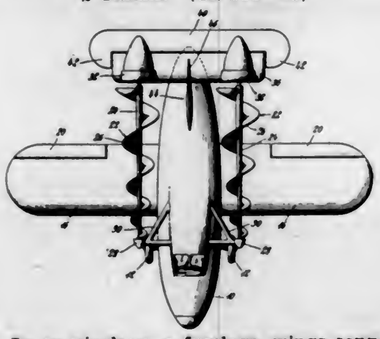
2,067,769
SCORING APPARATUS
Floyd B. Lee, Hays, Kans.
Application January 9, 1936, Serial No. 58,379
6 Claims. (Cl. 35—48)

1. In a scoring apparatus, a vertically disposed supporting structure including spaced track rails positioned between its upper and lower ends, sheet-like members, each provided with consecutively numbered test questions and rows of spaced indicia aligning with said questions constituting answer designators to said questions for selective punching to form spaced openings in the member, a stationary guide element within said structure above said rails and provided with openings to align with the spaced indicia on a member, a shiftable holder mounted on said members slidable in opposite directions relative to said structure and having means for removably receiving a pair of punched members in sidewise spaced relation to successively position the members of said pair to align the punched and non-punched indicia with the openings in the guide



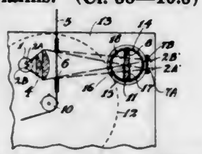
element, said holder being formed with openings for aligning with the punched and non-punched indicia of the members of said pair, a vertically removable spring controlled carrier operating in said structure above the guide element, a controlling element removably mounted in and bodily movable with the carrier and provided with openings for aligning with the openings in the guide element, pre-set marker members depending through selected openings in and carried by the controlling element for passage through certain of the openings in said guide element and certain of the openings in one of said members and said holder on the downward movement of the carrier to engage and operate a means for setting forth a total score.

2,067,770
PROPELLER
George C. Lembas, Chicago, Ill.
Application May 2, 1935, Serial No. 19,510
2 Claims. (Cl. 244—13)



1. In an airplane, a fuselage, wings connected with the fuselage, a stabilizer connected with the rear end of the fuselage, said stabilizer embodying an area performing a wing function, motors carried by the stabilizer, and propelling means connected with the motors.

2,067,771
LENS OBTURATING DEVICE
Jacob F. Leventhal, New York, N. Y., assignor to Leventhal Patents, Inc., New York, N. Y., a corporation of Delaware
Application October 22, 1935, Serial No. 46,060
2 Claims. (Cl. 88—16.8)

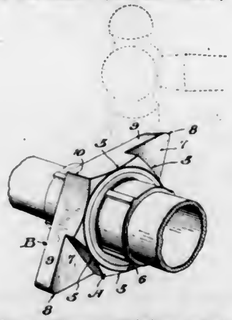


1. In an optical system containing two closely adjacent objectives having parallel axes, rotatable obturating means for alternately rendering the objectives effective said means comprising a large and a small arcuate peripheral shield diametrically opposed and a flat shield extending from the axis of rotation to the center of arc of the larger of the arcuate shields.

2,067,772
WATERPROOF CONCRETE
Harold L. Levin, Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
No Drawing. Application August 22, 1932, Serial No. 629,883
1 Claim. (Cl. 106—27)

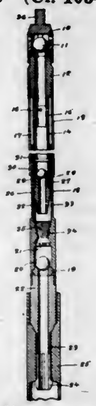
A composition of the character described comprising hydraulic cement, aggregate and a dispersion of asphalt in water with soap as the sole dispersing and stabilizing agent, said dispersion being unaffected colloidally by said cement, said asphalt being of a type which is coalescible at normal temperatures in the absence of water but is of sufficient hardness as to be non-coalescible in the presence of water and hydraulic cement.

2,067,773
COUPLING NUT
Fred R. Long, Catawissa, Pa.
Application July 30, 1936, Serial No. 93,473
2 Claims. (Cl. 85—32.1)



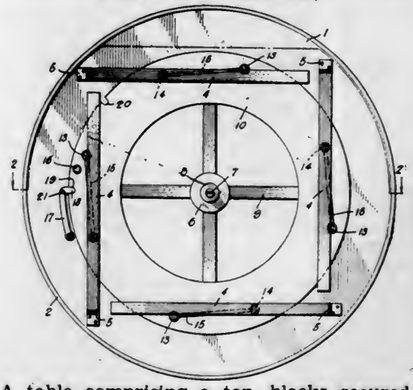
1. A coupling nut comprising an annular body including internal threads and having its external portion provided with a plurality of angularly disposed tool engaging faces over a part of its axial depth, said body also provided over the remainder of its axial depth with laterally extending lugs having anvil faces disposed outwardly of said first mentioned faces, said anvil faces diverging inwardly and having their inner portions substantially tangential to the maximum diameter of the body.

2,067,774
OIL WELL PUMP
Orrin F. Matthews and Sennett I. Hill, Smackover, Ark.
Application April 4, 1936, Serial No. 72,786
1 Claim. (Cl. 103—181)



A well pump including inner and outer traveling tubes, a discharge valve controlling flow through the bore of the inner traveling tube, a nipple in the bore of the inner traveling tube having a valve seat, a ball valve in the seat controlling flow through the nipple toward the discharge valve, said nipple having a conical tip provided with a left hand screw thread, a standing stationary tube telescopically received between the traveling tubes, an intake valve in the bore of the stationary tube, and a conical seat in the bore of the stationary tube above the intake valve having a left hand screw thread adapted to receive the similarly threaded end of said nipple for coupling all of the tubes together as a unit when the pump is to be lowered into a well.

2,067,775
FOLDING TABLE
Ralph August Maves, Fort Snelling, Minn.
Application July 29, 1935, Serial No. 33,762
1 Claim. (Cl. 311—82)



A table comprising a top, blocks secured to and depending from the top adjacent to the edge

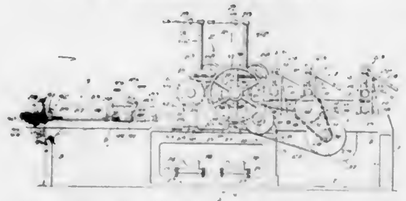
thereof, legs for the table, hinges secured to the undersides of the blocks and the upper ends of the legs for connecting the latter to the top, means mounted for rotation on and centrally of the underside of the top and including a disk, spokes radiating from the periphery of the disk, a horizontally disposed relatively wide flat ring member secured to the outer ends of the spokes with the latter extending from the inner periphery of the ring member, ball and socket link connections extending between the underside of the ring member adjacent the outer periphery thereof and certain sides of the legs and secured thereto for disposing the legs into folded or set up positions upon rotation of the ring member, and latching means for holding the legs in their folded and set up positions.

2,067,776
HAT MANUFACTURE AND THE PRODUCTS THEREOF
Joseph M. Mayleas, New York, N. Y.
Application February 25, 1935, Serial No. 7,959
2 Claims. (Cl. 2—178)



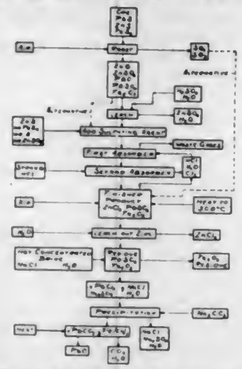
1. In the art of hat manufacture wherein, from a crude blank, there has been formed a hat brim, the method of converting the raw edge of the brim to a smoothly finished edge, which comprises the steps of bending the raw edge of the brim beneath the brim, thereafter applying to the bent raw edge of the brim a strip which assumes adhesive properties upon being subjected to heat, and subjecting the strip and the brim to the action of a hot iron simultaneously to form the brim edge and to cause the strip to adhere to and cover over the raw brim edge.

2,067,777
MECHANISM FOR MOVABLY SUPPORTING CYLINDERS
Owen D. McFarland, Chicago, Ill., assignor to Roofing Machinery Mfg. Co., Chicago, Ill.
Application December 3, 1934, Serial No. 755,736
11 Claims. (Cl. 164—28)



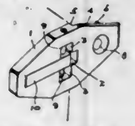
1. In combination with a device for feeding, cutting, and delivering the cut portions of a continuously advancing flexible web wherein the cutting stage comprises a rotating cutting cylinder mounted upon bearings and a superimposed rotating bed roll, of means for removably supporting the cutting cylinder in operative position adjacent the bed roll which comprises, a pair of vertically positioned supporting members, lugs at the lower ends of said members upon which the cutting cylinder bearings are removably supported and means for moving said supporting members vertically to change the distance between the bed roll and cutting cylinder.

2,067,778
METHOD OF TREATING COMPLEX LEAD BEARING ORE MATERIALS
Thomas A. Mitchell, Inglewood, Calif., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming
Application July 3, 1935, Serial No. 29,643
9 Claims. (Cl. 75—110)



1. The method of treating a complex lead and zinc sulfide ore comprising the steps of roasting the ore with air and under low temperature conditions which provide lead oxide and a chloridizable zinc compound, treating the roasted material in a substantially dry and granular condition with a gaseous chloridizing agent and converting the zinc compound to zinc chloride, carrying on the chloridization in the presence of a sulfating reagent capable of and provided for the purpose of converting lead oxide to the sulfate and maintaining conditions which insure that substantially all of the lead oxide which would otherwise remain as such in the ore material is preferentially converted to the sulfate and retained in situ, and thereafter dissolving the zinc and lead salts from the ore residue and recovering the same.

2,067,779
DOOR LOCK
John Edward Morden, Hamilton, Ontario, Canada
Application March 14, 1935, Serial No. 10,991
1 Claim. (Cl. 292—67)

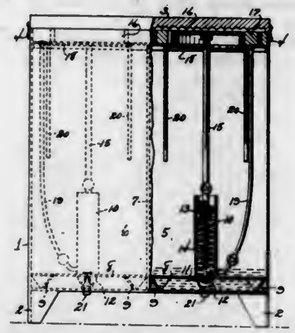


A locking device, comprising a member adapted for attachment to the frame of a door or window and having a locking member pivotally mounted thereon to be swung into locking relation with the door or window, said attachment member being recessed to accommodate the pivotal locking member when the latter is in non-locking relation with the door or window, said attachment member being recessed on the outward side to facilitate pressure contact of a thumb or finger with the locking member to swing the same from its recessed position.

2,067,780
RINSER
Clayton Morrison, Marshfield, Wis.
Application June 17, 1935, Serial No. 27,108
4 Claims. (Cl. 141—3)

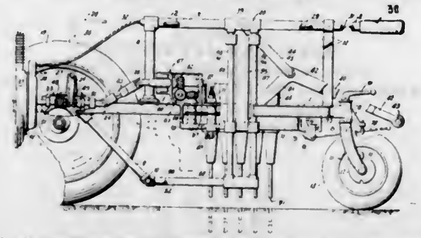
1. A rinser comprising a cabinet adapted to

contain a solution, guides mounted in said cabinet, a glass rest slidably supported in the cabinet for up and down movement and guided by the guides, a tubular stem connected to and opening outwardly through the top face of the rest, a plunger connected to the stem, a cylinder in communication with the cabinet to receive solution therefrom and slidably receiving the



plunger, a spring engaging the plunger and acting to position the plunger and rest in their uppermost position and to draw solution into said cylinder from the cabinet, a spray ring supported in the cabinet and having the rest movable therethrough with a glass thereon, and means connecting the spray ring with the cylinder.

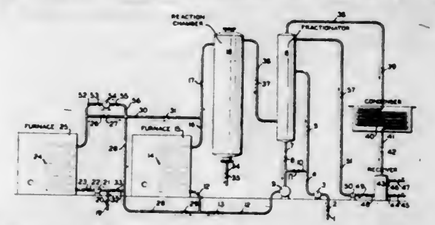
2,067,781
CULTIVATOR
Joseph J. Mueller, West Orange, N. J., assignor of one-half to Harry W. Morgan, Maplewood, N. J.
Application December 20, 1935, Serial No. 55,397
6 Claims. (Cl. 97—43)



1. A cultivator comprising a wheeled carriage, driving means for said carriage supported by said carriage, a plurality of hollow tubular drills each provided with serrated annular cutting edges and internal helical excavators carried by said carriage, means for raising or lowering said drills as a unit and means for utilizing said driving means for rotating said drills.

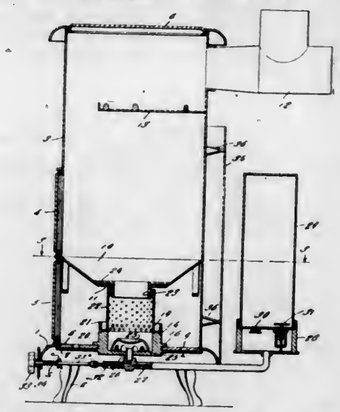
2,067,782
CONVERSION OF HYDROCARBON OILS
Edwin F. Nelson, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 10, 1930, Serial No. 494,550
Renewed February 12, 1935
3 Claims. (Cl. 196—66)

1. A process for converting hydrocarbon oils comprising passing charging oil into a primary heating zone wherein it is subjected to cracking conditions of temperature and pressure, introducing gaseous hydrocarbons into a second heating zone and subjecting them to temperature and pressure conditions adequate to produce aromatic hydrocarbons and hydrogen, withdrawing the



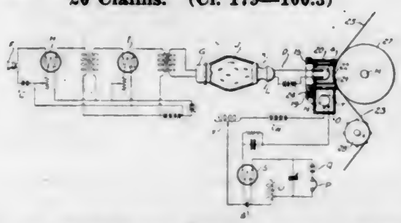
conversion products from the second heating zone and commingling at least a portion thereof with the charging oil entering the primary heating zone, another portion of the conversion products being recycled to the second heating zone.

2,067,783
STOVE
James H. Nunn, Jr., Snyder, Tex.
Application December 12, 1935, Serial No. 54,130
2 Claims. (Cl. 126—93)



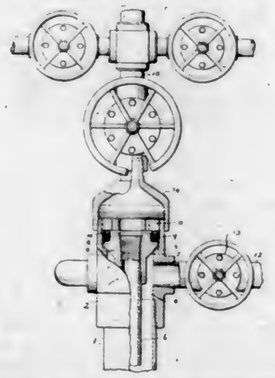
1. In a stove, a bottom wall for said stove, said bottom wall being provided with a large opening and perforations about said opening, said opening being centrally located, an oil pan removably supported within said opening, said oil pan having a peripheral wall in its upper edge with an internal groove presenting a rim and a shoulder spaced downwardly from the upper edge of the rim, a perforated cylinder having a lower edge resting on said shoulder and spaced inwardly from said rim, said perforated cylinder having perforations in the lower portion thereof of materially larger diameter than the perforations in an upper intermediate portion thereof, said lower perforations being below the horizontal plane of the upper edge of the oil pan, means for feeding oil to said pan, a fire bowl supported above said bottom plate and having a bottom provided with an opening, and a collar extending through said opening and terminating within said perforated cylinder in materially spaced relation to the wall of said cylinder, and said cylinder having perforations in the upper portion thereof of materially greater diameter than the intermediate perforations and positioned above the horizontal plane of the lower edge of said collar.

2,067,784
PHOTOGRAPHIC RECORDING AND SOUND REPRODUCING SYSTEM
Freeman H. Owens, New York, N. Y.
Original application June 4, 1923, Serial No. 643,154. Divided and this application April 3, 1931, Serial No. 527,589
20 Claims. (Cl. 179—100.3)



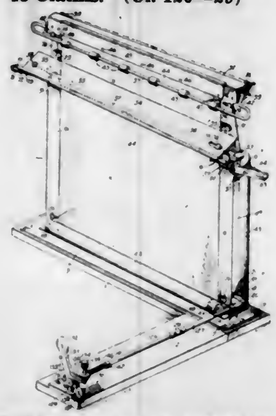
1. In combination with a sound recording camera having a sensitive film arranged to be advanced therein, a light valve unit arranged to photographically impress a sound record onto a sound track formed longitudinally of the film, means including a photo-cell supported by the camera for monitoring the sound recording operation, and means to permit a selective movement of the unit transversely with respect to the movement of the film for producing parallel sound tracks in any desired sequence, said monitoring means being poistioned and arranged for operation in the recording of said several parallel sound tracks.

2,067,785
TUBING HEAD
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application April 5, 1935, Serial No. 14,766
5 Claims. (Cl. 285—22)



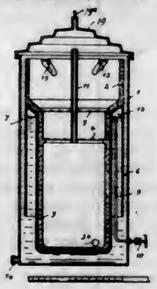
1. The combination with a tubing head adapted to be connected to a well casing and having a minimum inside diameter not less than the diameter of the casing, said head also having an inside downwardly converging annual seat and having its inside diameter enlarged above the seat, of a tubular hanger having an external downwardly converging face shaped to rest on said seat and forming a fluid-tight joint therewith, the hanger being spaced from the head above and beneath the seat, an external annular shoulder on the hanger above the seat, an annular packing on the shoulder fitting closely against the hanger and head, clamp means in the head for maintaining said packing under compression and a swaged nipple closing the upper end of the head and forming a Christmas tree connection.

2,067,786
COPY HOLDER
Joseph Phelps, Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application March 24, 1933, Serial No. 662,484
45 Claims. (Cl. 120—29)



1. A copyholder comprising a fixed supporting portion, a copyholding member mounted for up and down movement, a lazy tongs connected at one end to said supporting portion and connected at the other end to said copyholding member, and telescoping guide members one of which is connected to said copyholding member and another of which is connected to said fixed supporting portion.

2,067,787
INFUSION APPARATUS
Louis Marcel Pouget, Paris, France
Application June 29, 1934, Serial No. 733,109
In Luxemburg June 30, 1933
5 Claims. (Cl. 53—3)



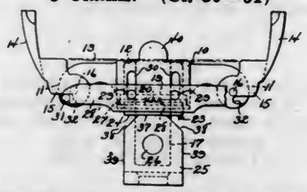
1. A coffee urn comprising a vessel, a coffee compartment suspended therein and in spaced relation to provide a passageway therebetween, a cylindrical partition arranged within said passage and having its lower end opened, a cover for said vessel closing the upper end of said coffee compartment, a siphon pipe having one end projecting down within said coffee compartment, a portion of said siphon pipe extending through said passageway and a valve arranged externally of said vessel and connected to the opposite end of said siphon pipe.

2,067,788
PNEUMATIC TIRE
Carl Putnam, Norristown, Pa.
Application April 11, 1936, Serial No. 73,866
1 Claim. (Cl. 152—16)



A pneumatic tire for vehicles having a shoe portion consisting on its tread surface of two parallel circumferential ribs situated at the shoulder regions of said tread surface, said ribs and said shoe being composed of homogeneously flexible and resilient rubber, said ribs being sufficiently flexible and yielding to permit them to bend outwardly when supporting a load to thereby increase the width of the road-engaging surface of the tire when supporting a load, the strains thus set up in the ribs tending to return them to their normal position, said ribs being connected at spaced intervals by extensible bridge portions, the outer surfaces of which are at a lesser radial distance from the center of the tire than the outer surface of the ribs and so relatively extending as to engage the road surface on said flexure of the ribs.

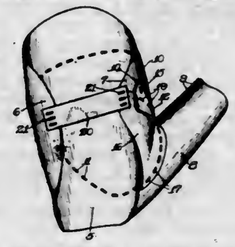
2,067,789
SAFETY RAZOR
George Lawson Robertson, Philadelphia, Pa., assignor of one-half to William R. Murphy, Merion, Pa.
Application August 29, 1935, Serial No. 38,473
5 Claims. (Cl. 30—61)



1. A safety razor comprising a guard frame, complemental cap members having hinged connections with the guard frame and swingable toward and away from the blade seat formed on the latter, a flexing bar slidably mounted in the guard frame, and a post having a pivotal connection with the guard frame and a threaded connection with the flexing bar, whereby angular or turning movement of the post on its own axis will move the flexing bar toward the cap members to engage an intervening blade between it and the cap members.

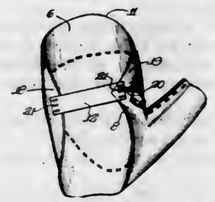
2,067,790
HAND PROTECTOR
Samuel N. Sager, Chicago, Ill.
Application July 1, 1935, Serial No. 29,188
1 Claim. (Cl. 2—20)

In combination with a hand protector comprising a pad to cover the palm and fingers, and curled to cover the sides of the hand, with a thumb stall connected to and projecting at one side of said pad, of a reinforcing patch consisting of a single piece of material shaped to include portions covering the palm and inner part of the thumb stall of the pad, and having a reinforcing tongue formed integrally with said palm and thumb stall portions to cover the joint between the palm and thumb stall of the pad, said tongue being extended around coincident with one of the curled sides of the pad; together with means securing the patch and tongue to the pad,



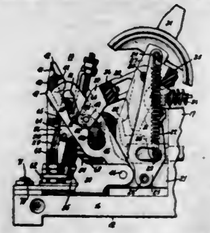
and a strap connecting the curled side portions of the pad.

2,067,791
HAND PROTECTOR
Samuel N. Sager, Chicago, Ill.
Application August 13, 1936, Serial No. 95,881
2 Claims. (Cl. 2—20)



1. A hand protector comprising a body portion or pad with curled sides and a thumb stall, and including a reinforcing patch, the body portion or pad being made up of a single sheet of material in the form of an oblong blank cut away at one side of the lower end thereof leaving a triangular shaped portion, said blank being provided with an inwardly extending slit spaced from the edge left by the cut away portion to define that portion of the blank which is folded upon itself to form the thumb stall, said triangular shaped portion at the lower end of the blank cooperating with and attached to the upper portion of the blank at the other side of the folded thumb stall for forming or completing one of the curled sides of the hand protector or pad; together with the reinforcing patch and means for securing it to the pad, and a strap connecting the curled over sides at the back of the hand protector.

2,067,792
CIRCUIT BREAKER
Joseph W. Seaman, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application May 6, 1936, Serial No. 78,179
16 Claims. (Cl. 200—109)



1. A trip device for a circuit breaker having a tripping member biased for movement to a trip-

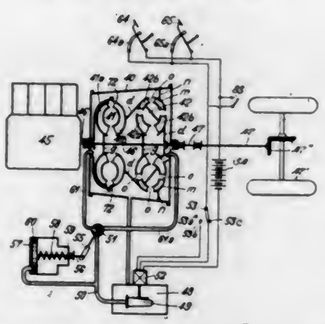
ping position, said trip device comprising a pivoted latch member movable between latching and releasing positions having a cam slot into which a latching portion of said tripping member extends, said cam slot including a shoulder engageable by said latching portion to restrain said tripping member against movement to said tripping position when said latch member is in said latching position and an elongate portion along which said latching portion moves to said tripping position when said latch member is moved to said releasing position, said latching portion exerting a force on said shoulder tending to move said latch member to said releasing position, and current responsive means normally restraining said latch member in said latching position for releasing said latch member for movement to said releasing position, whereupon said tripping member moves to said tripping position.

2,067,793

HYDRAULIC VARIABLE SPEED TRANSMISSION AND METHOD FOR OPERATING THE SAME

Ernst Seibold, Heidenheim-on-the-Brenz, Germany, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany, a co-partnership composed of Walther Voith, Hermann Voith, and Hans Voith

Application October 7, 1933, Serial No. 692,664
In Germany October 11, 1932
15 Claims. (Cl. 60—54)



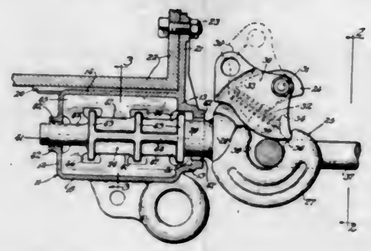
14. In an hydraulic variable speed transmission adapted for automotive vehicles having an engine and driving wheels, said transmission including primary and secondary wheels and an interposed fluid, which transmission is adapted to be put into operation by the filling of the same with the fluid and to be put out of operation by emptying the same of the fluid, the combination of means for controlling the operation of the engine, means for controlling the filling and emptying the transmission of the fluid, means connecting the engine, the transmission, and driving wheels, independent means for filling with fluid the space between the primary and secondary wheels independently of the operation of the aforesaid two control means, and means to operate said independent filling means, whereby after the control means of the engine has effected the discontinuance of the transmission of power from the engine to the driving wheels and after the control means of the transmission has operated to empty the transmission to enable free wheeling to take place, the independent filling means may be operated to fill the transmission with the fluid while the engine is idling, to effect a reverse flow of power from the driving wheels to the engine and brake the vehicle through the medium of the engine.

2,067,794

COUPLER

Carl G. Seyferth, Muskegon, Mich., assignor to West Michigan Steel Foundry Co., Muskegon, Mich., a corporation of Michigan

Application September 29, 1934, Serial No. 746,209
2 Claims. (Cl. 280—33.9)



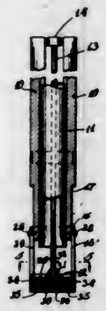
1. In a coupling device, a housing, a member having a shank, the end portions of said shank extending through enlarged openings in said housing, the central portion of said shank disposed within said housing, cushioning means disposed in said housing in close contact with the walls thereof whereby said cushioning means is confined against bodily movement relative to said housing, said cushioning means surrounding said central portion of said shank in partially spaced relation thereto to permit floating movement of said member relative to said housing, and means on said shank cooperating with said cushioning means and said housing to limit floating motion of said member in all directions.

2,067,795

GAUGE FOR FLUIDS IN TANKS

Michael Skuret and John Sekula, Clifton, N. J.

Application April 22, 1933, Serial No. 667,364
Renewed July 16, 1935
9 Claims. (Cl. 73—120)



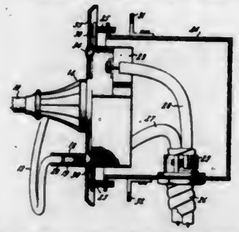
1. A gauge for fluids in tanks, comprising a longitudinal casing with a side longitudinal opening, a transparent tube longitudinally fixed within said casing and viewable through said opening, a rod extending through said tube and having a head at the top disposed at the top end of said casing, a valve fixed upon the bottom end of said rod and adapted to close the bottom end of said transparent tube, said valve being of cup-shape and slidably mounted on the bottom end of said casing and having passages for fluid through its bottom, and another valve for closing said passages.

2,067,796

ELECTRIC CORD AND ATTACHMENT CAP

Charles C. Smith, Nichols, Conn., assignor to General Electric Company, a corporation of New York

Application April 27, 1933, Serial No. 668,188
1 Claim. (Cl. 173—332)



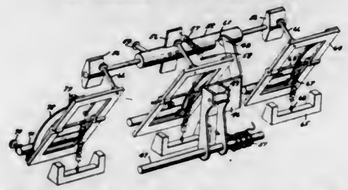
An electric connection for use with a plug receptacle mounted in a grounded outlet box in a wall and provided with a face plate fastened in position by a screw which threads into a member grounded in the outlet box comprising an electric cord having a plurality of conductors, an attachment cap, two contact blades for the attachment cap connected to two of the conductors, a tubular metallic member connected to the end of another of the conductors, and a cooperating metallic screw with an integral expanding plug adapted to replace a face plate screw whereby the screw may serve to fasten the face plate in position and ground the last named conductor to the outlet box.

2,067,797

CIRCUIT BREAKER

Robert W. Smith, Aldan, Pa., assignor to General Electric Company, a corporation of New York

Application May 6, 1936, Serial No. 78,177
16 Claims. (Cl. 200—109)



1. In a trip device for a circuit breaker, the combination of a rotatable trip shaft, and a pivoted latching member biased for movement from a latching to a releasing position having a latch tip normally engaging said shaft to restrain said latching member in said latching position, the pivot of said latching member and the axis of said shaft being so related that said latch tip tangentially engages said shaft to exert a substantially radial force thereon, whereby substantially no rotative moment is exerted on said shaft by said latching member, said trip shaft having a transversely extending notch therein through which said latch tip moves to said releasing position upon rotation of said trip shaft to a predetermined position.

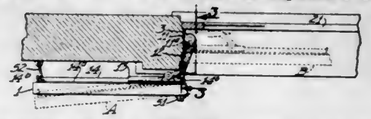
2,067,798

WINDOW HINGE

Frederick E. Songer, Los Angeles, Calif.

Application November 30, 1935, Serial No. 52,384
13 Claims. (Cl. 16—179)

1. In a closure mounting, a bracket, a hinge member pivotally mounted at one end on the bracket, a slide pivotally mounted on the opposite end of the hinge member on an axis parallel to the first axis, a shiftable member having a track slidable on said slide irrespective of the



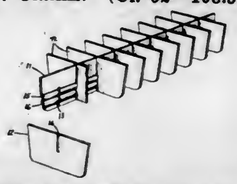
swung position of the hinge member, and a latch for automatically locking the hinge member in non-rotatable relation with respect to the bracket when the former is swung in one extreme position.

2,067,799

FREEZING TRAY SEPARATOR CONSTRUCTION

Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 6, 1934, Serial No. 756,243
7 Claims. (Cl. 62—108.5)



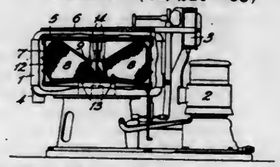
1. A partition assembly for freezing trays comprising a plurality of partitions each having a slot formed therein extending from a longitudinal edge toward the center thereof, said partitions being assembled in intersecting relationship with the slot in each partition embracing the unslotted portion at the closed end of the slot in the other partition, one of said partitions having ridges extending to the slot therein, the edges of said ridges engaging the unslotted portion of the other partition to brace said partitions against relative movement.

2,067,800

HYDROEXTRACTOR

Agnes Elizabeth Stockton, Westcliff on Sea, England

Application June 13, 1935, Serial No. 26,511
In Great Britain April 16, 1935
7 Claims. (Cl. 210—63)



1. In combination with the rotatable cage of a centrifugal hydro-extractor a plurality of wings within said cage dividing the same into separate compartments, each wing comprising a supporting frame and a web of stiff canvas supported thereby and having sufficient porosity to permit the passage of air and water therethrough.

2,067,801

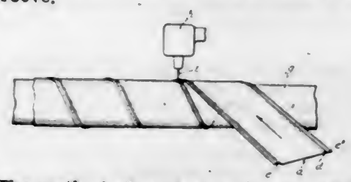
METAL STRIP FOR AND METHOD OF MAKING SPIRAL PIPE

Edward Hall Taylor, Oak Park, Ill.

Application September 28, 1935, Serial No. 42,594
9 Claims. (Cl. 113—35)

1. A metal strip for spiral pipe having a por-

tion of one margin upset to provide a longitudinally extending bead projecting beyond the outer face of the strip and forming a zone of materially greater thickness than the body of the strip, the inner face of the strip in this zone being flat, and having the other margin formed to provide a complementary longitudinally extending groove.



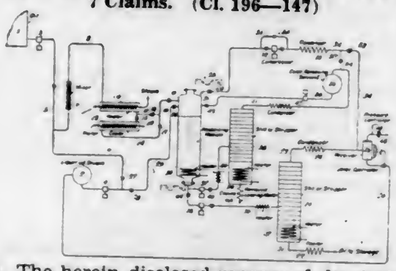
2. The method of producing tubing from metal strip by welding, which comprises upsetting one margin of a metal strip to form a longitudinally extending bead, thus providing a zone of greater thickness than the body of the strip, and forming the other margin to receive such bead, winding the strip spirally into tubular form with said margins nested together, and arc welding said elements together by means of a non-metallic welding electrode.

2,067,802

DECOLORIZING VISCOUS LUBRICATING OIL

Claude F. Tears, Mountain Lakes, N. J., assignor to The Petroleum Processes Corporation, Wichita, Kans., a corporation of Kansas

Application July 5, 1933, Serial No. 679,073
7 Claims. (Cl. 196—147)



1. The herein disclosed process of decolorizing viscous lubricating oil which comprises heating a mixture of viscous lubricating oil and liquefied propane solvent under pressure to effect complete solution and extreme dilution of the lubricating oil in the solvent, cooling the solution under pressure to a temperature corresponding to a solvent vapor pressure in excess of 150 pounds per square inch thereby reducing the solution to optimum decolorizing temperature, passing the cooled solution through a bed of adsorbent decolorizing clay under pressure in excess of 150 pounds per square inch and distilling the decolorized solution under pressure to separate the solvent from the decolorized oil.

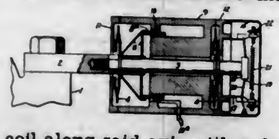
2,067,803

VIBRATION RESPONSIVE DEVICE

Ernest L. Thearle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application September 1, 1934, Serial No. 742,417. Divided and this application April 28, 1936, Serial No. 76,795
6 Claims. (Cl. 177—351)

1. Apparatus for translating mechanical vibrations into an electrical voltage comprising an inertia member including a magnet, an armature coil arranged in the field of said magnet and a flexible connection between said magnet and said armature coil preventing relative displacement therebetween except along a single axis, said connection comprising a first resilient means which resists displacement of the magnet and



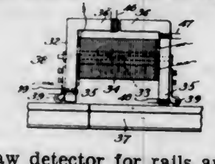
armature coil along said axis with a force which increases substantially in proportion to the displacement and a second resilient means which favors displacement along said axis with a force which also increases substantially in proportion to the displacement but is at all times less than said first-named force.

2,067,804

RAIL TESTING APPARATUS

Harold C. Thorne, Washington, D. C.

Application March 16, 1920, Serial No. 366,376
22 Claims. (Cl. 175—183)



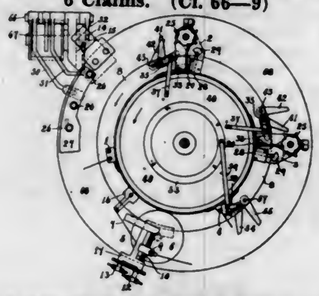
1. In a flaw detector for rails and the like, a detector car, means for passing electrical energy between spaced points of said rail, means movable relatively to said rail for detecting variations in the electrical energy flow from point to point, means for carrying and maintaining the detector in the same relative position with respect to the rail during a lengthwise movement of the detector and rail with respect to each other, and flaw indicating means carried by the car and actuated by said detecting means.

2,067,805

CIRCULAR RIB KNITTING MACHINE

Ernest John Towers, Ruddington, England, assignor to George Blackburn and Sons Limited, Nottingham, England

Application November 9, 1935, Serial No. 49,093
In Great Britain November 9, 1934
6 Claims. (Cl. 66—9)



1. In a circular rib knitting machine, the combination of cylinder needles, knitting cams in the cam ring for actuating these needles, rib needles, knitting cams in the rib needle cam disc for actuating these needles, positive elastic thread

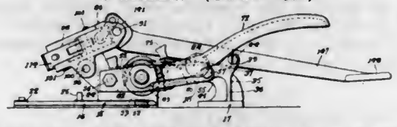
feeding mechanism, means for controlling the rate of feed of the latter, a plurality of thread feeders one or more of which is adapted to supply its thread to and withdraw it from the needles, associated thread cutting and trapping mechanism, means for actuating the thread feeder and cutting and trapping mechanism, an adjustable clearing cam in the cylinder needle knitting cams of such thread feeders, an adjustable clearing cam in the rib needle knitting cams of such feeders, and means for adjusting these clearing cams at such times as the feeder presents its thread to and withdraws it from the needles, substantially as described.

2,067,806

STRAPPING TOOL

Helmuth W. Waldorf, New York, N. Y., assignor to The Wire and Steel Products Co., Inc., Brooklyn, N. Y.

Application July 9, 1935, Serial No. 30,579
8 Claims. (Cl. 81—9.1)



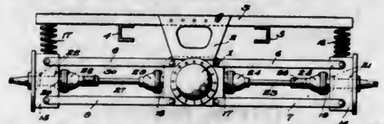
1. In a tool for the purpose set forth a sealing structure, a stretching structure, each of said structures being provided with a rearwardly extending pivoted actuating element, a base formed with an opening intermediate its ends and spaced guides for a binder or strap, one of said guides being upon the upper face of the base and the other in the lower face of the base, said base being formed with upstanding means extending from the rear end of the base to a point rearwardly of the forward end of the base, means for pivotally connecting said sealing structure intermediate its ends upon the forward end of the upstanding means, means for revolubly supporting and vertically adjusting said stretching structure mounted in said upstanding means in proximity to the forward end of said upstanding means, said upstanding means being formed with a support and stop, respectively, for the actuating element for the stretching structure and the actuating element for the sealing structure, and said base forwardly of said upstanding means being formed with an opening for receiving the forward end of said sealing structure when the latter is in position to be actuated.

2,067,807

REAR AXLE ASSEMBLY FOR MOTOR VEHICLES

Langdon Williams, Philadelphia, Pa.

Application May 7, 1935, Serial No. 20,256
2 Claims. (Cl. 180—73)



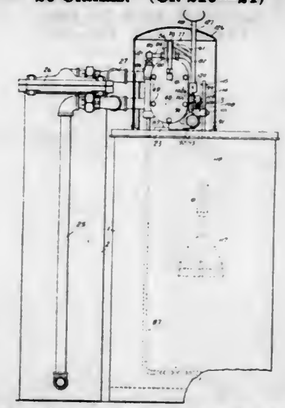
1. In a vehicle suspension, the combination with a frame, of a rear axle assembly comprising a substantially square differential housing rigidly secured to said frame, a pair of upper and a pair of lower horizontally arranged substantially flat arms extending from each side of said housing and pivotally connected thereto for pivotal vertical or swinging movements only, a substantially square wheel bearing housing carried by the outer ends of each set of arms and pivotally connected thereto, the flat sides of the said arms being in engagement with the flat side faces of said housings, to permit vertical movements only, a spring interposed between the upper face of each wheel bearing housing and the car frame and a universally jointed axle carried by assembly.

2,067,808

WATER SOFTENING APPARATUS

Arthur C. Zimmerman and Frank E. Knaack, Dayton, Ohio, assignors to The Duro Company, Dayton, Ohio, a corporation of Ohio

Application June 26, 1933, Serial No. 677,566
26 Claims. (Cl. 210—24)



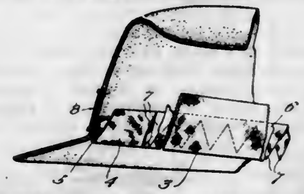
1. In a water softener, a brine tank, means comprising a softening tank to provide a water passageway, mechanical means to divert part of the water from the passageway, means operated by said diverted water to close the passageway and cause a flow of brine through the softening tank for regeneration, means operated by the fall of the brine in the brine tank to divert water from the passageway to stop the flow of brine and refill the brine tank, and means operated by the rise of brine in the brine tank to cut off all of the diverted water, whereby the passageway is again open.

2,067,809

HAT AND LIKE HEADGEAR

Shozaburo Aki, Mill Hill, London, England

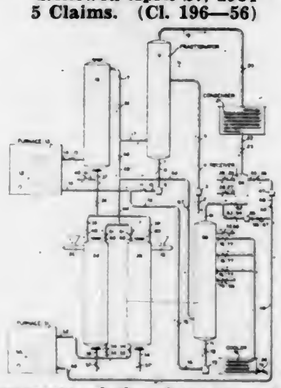
Application October 13, 1934, Serial No. 748,248
In Great Britain October 13, 1933
5 Claims. (Cl. 2—181)



1. Headwear including a grease band extending circumferentially therein, a sweatband consisting of a strip of material woven from paper thread, and means for connecting the sweatband to the greaseband consisting of an adhesive strip folded longitudinally to dispose its adhesive surface outwardly and form wings united along their upper edges, the said wings being serrated from

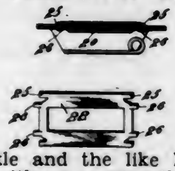
their lower edges for a major portion of their depth and the folded strip being disposed between the greaseband and sweatband and having one wing adheringly secured to the greaseband, and a flexible strip secured along its lower edge to the lower edge of the sweatband, the flexible strip extending upwardly from the lower edge of the sweatband about the same and adheringly engaged by the other wing of the adhesive strip.

2,067,810
TREATMENT OF HYDROCARBONS
Charles H. Angell, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1932, Serial No. 592,231
Renewed April 27, 1934
5 Claims. (Cl. 196—56)



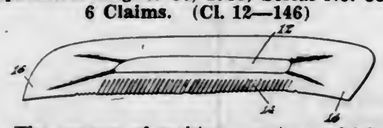
1. In processes of the character wherein hydrocarbon oil is subjected to conversion temperature at super-atmospheric pressure in a heating element and communicating reaction chamber, the vaporous and non-vaporous products separated, the vapors subjected to fractionation and the resulting light distillate and gas cooled and collected, the non-vaporous residual liquid removed from the reaction chamber and introduced into a coking zone maintained at reduced pressure relative to that employed in the reaction chamber, vapors from the coking zone subjected to fractionation and the resulting light distillate and gas collected, the improvements which comprise simultaneously introducing coal into the coking zone, subjecting a portion of the gas from the system to an elevated temperature in a separate heating coil and introducing the highly heated gas into the coking zone to effect the production of a low-volatile coke from the residual oil and coal.

2,067,811
INITIALED BUCKLE, PLATE, AND THE LIKE
Lawrence E. Baer, Attleboro, Mass., assignor, by mesne assignments, to Swank Products, Inc., Attleboro, Mass., a corporation of Delaware
Application November 27, 1935, Serial No. 51,783
8 Claims. (Cl. 40—140)



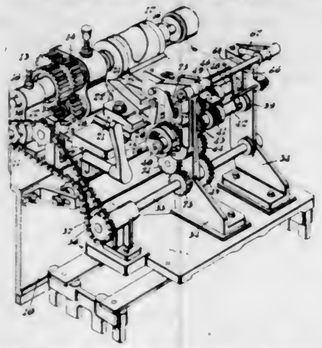
1. In a buckle and the like having a face plate provided with an opening therein, a frame mounted on the front of said face plate to surround said opening, characters slidable into said frame from the front face of said plate, means integral with said frame and at the end thereof for securing it to said plate, and means to prevent accidental removal of the characters from said frame.

2,067,812
PROCESS OF MAKING COUNTERS
Charles W. Bailey, Lynn, Mass., assignor to Stewart Bros., a copartnership consisting of John Hammond Stewart and Roland A. Stewart, Lynn, Mass.
Application August 30, 1935, Serial No. 38,546
6 Claims. (Cl. 12—146)



1. The process of making counters, which consists in skiving the margins of a counter blank and, while the blank is located as determined in accordance with the skiving operation, crimping a predetermined zone in its lower edge.

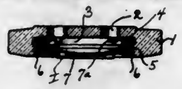
2,067,813
MACHINE FOR OPERATING ON COUNTERS
Charles W. Bailey, Lynn, Mass., assignor to Stewart Bros., a copartnership consisting of John Hammond Stewart and Roland A. Stewart, Lynn, Mass.
Application December 14, 1935, Serial No. 54,459
20 Claims. (Cl. 12—63)



1. A machine for operating on counter blanks, including a matrix roll skiving mechanism, cooperating crimping rolls, a common actuating means for driving the matrix roll and crimping rolls, and mechanism for interrupting the effective operation of the crimping rolls independently of the skiving mechanism to cause a crimping operation to be performed on a lesser portion of the counter than the portion thereof which is skived.

2,067,814
INITIAL BUTTON
Ralph Clinton Bangs, Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y., a corporation of New York
Application September 2, 1936, Serial No. 99,076
8 Claims. (Cl. 24—113)

8. In combination, a button having holes for receiving thread in its rear wall, said button having a recess at the fair side thereof defined by an inner end wall and a longitudinal wall, said holes opening into said recess, and a supplemental dome-shaped removable member having resilient means which abut the inner end wall of said recess and which releasably engage the longitudinal wall of said recess, said dome-shaped mem-



ber substantially filling said recess, the maximum diameter of the said recess being at least as great as the maximum lateral dimension of said supplemental member, the said supplemental member having no part thereof overhanging the longitudinal wall of said recess.

2,067,815
POWER OR MOVEMENT TRANSMITTING MECHANISM
William Edward Barber and Henry Archibald Watts, South Farnborough, England
Application April 10, 1936, Serial No. 73,788
In Great Britain May 15, 1935
8 Claims. (Cl. 74—501)



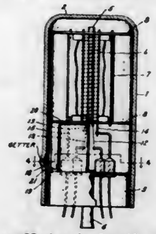
1. A flexible cable for transmitting power or movement, comprising a core adapted to transmit tension forces, a pressure-transmitting element including a plurality of helically wound layers, and a helically wound strip member forming part of said pressure-transmitting element and constituting a helical rib on the surface of the cable.

2,067,816
PROCESS OF MAKING ORNAMENTED FABRIC
Arthur Barnick, Wuppertal-Elberfeld, Germany, assignor to H. E. Schniewind, Wuppertal-Elberfeld, Germany
No Drawing. Application March 7, 1934, Serial No. 714,533. In Germany March 30, 1933
2 Claims. (Cl. 28—1)

2. An improved process for the design of weaves characterized by the fact that threads made of artificial silk or of artificial silk staple fibre are wetted after having been warped, are tensioned in such warp which are thereupon dried and beamed in such tensioned condition, and combining such warp with another warp for a two beam weaving job, such other warp being made of threads of any desired material which is untensioned, i. e. in its normal spun state and properly beamed in warp shape, weaving such two-beamed weaving job in such a preconceived binding of all threads in such two-beam warp that with a wet after-treatment of the finished weave there is produced through the shortening of the warp threads that have been tensioned, frise or relief like design effects in any desired parts of the weave and in any desired form and dimension.

2,067,817
DEVICE FOR GETTERING METAL TUBES
James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 15, 1934, Serial No. 744,166
11 Claims. (Cl. 250—27.5)

1. An electric discharge device comprising a metal envelope containing an electrode and a supporting structure which snugly fits the interior of said envelope, a pocket formed in the envelope, and gettering material in the pocket, said



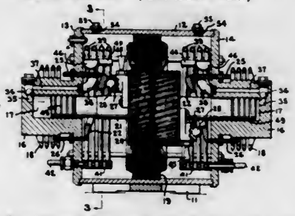
pocket being of sufficient depth to accommodate the getter whereby no obstruction is offered by the getter to said supporting structure.

2,067,818
LUMINOUS TUBE MOUNTING
Frank Bell, Chicago, Ill.
Application April 20, 1936, Serial No. 75,492
1 Claim. (Cl. 248—50)



A mounting of the type described comprising a single piece of wire shaped to provide stud embracing means, said wire being further shaped to provide tube embracing means, and means for latching the tube embracing means with the stud embracing means.

2,067,819
ELECTROMOTOR COMPRESSOR
Joseph Bell, Cincinnati, Ohio
Application March 13, 1936, Serial No. 68,724
19 Claims. (Cl. 230—55)

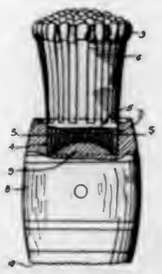


1. An electromotor comprising a stator, a rotor, a shaft for said rotor, bearings for said shaft acting as compression cylinders, said shaft ends forming pistons and inclined discs having a plane surface coacting with said rotor at the respective ends thereof for reciprocating said shaft.

2,067,820
MATCH ROLL WITH HOLDER
Morris A. Bell, Oshkosh, Wis., assignor to The Bell Machine Company, Oshkosh, Wis.
Application January 16, 1934, Serial No. 706,895
4 Claims. (Cl. 206—29)

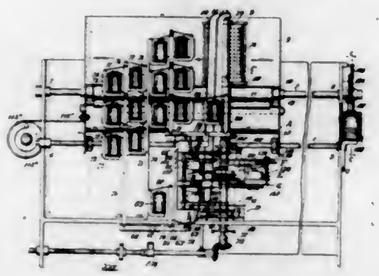
1. A match package comprising a holder having a socket formed therein, a slitted match comb spirally rolled to form the unslitted portion thereof into a substantially solid base fitting snugly in said socket, the depth of said socket adjacent the wall thereof being substantially the

same as the width of the said unslitted portion of the comb, and the stems of the matches pro-



jecting beyond said socket wall, whereby the same may be individually detached from the comb.

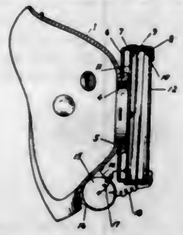
2,067,821
JUSTIFIED LINES TYPEWRITER
William Oscar Bell, Highland Park, Ill., assignor to Robert H. Loomis, Chicago, Ill.
Application May 31, 1932, Serial No. 614,446
42 Claims. (Cl. 197—20)



38. In a typewriting machine, a type plate member having a plurality of type characters of various widths arranged in fixed vertical and horizontal rows, a carriage member for supporting impression receiving material adapted to receive impressions from said characters, means for selectively positioning said members in relation to each other for successive impressions of type characters of different widths to form a series of words, space controlling mechanism adapted to be set before the printing of the words to determine the width of the space to justify the line, said spaces all being of equal amplitude, means for moving the space controlling mechanism to its adjusted position, and an actuating tape for the above mechanism having a series of perforations patterned thereon, the first of said series presented for each line being adapted to set the space controlling mechanism for line justification, and subsequent perforations being adapted to control the selective positioning means.

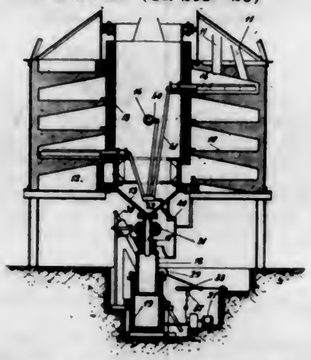
2,067,822
MASK FOR THE PREVENTION AND RELIEF OF ALLERGIC RESPIRATORY COMPLAINTS
Joseph B. Biederman, Cincinnati, Ohio
Application April 11, 1936, Serial No. 73,923
4 Claims. (Cl. 128—146)

1. A device of the type specified comprising a mask adapted to cover the respiratory organs of the face of a person, said mask having an intake



opening, a screen in said opening, and means for electrically polarizing said screen.

2,067,823
FURNACE WITH HELICAL HEARTH
Paul Flajoliet-Bracq, Maisons-Laffitte, France
Application June 21, 1935, Serial No. 27,760, Renewed November 21, 1936. In France July 6, 1934
3 Claims. (Cl. 263—26)



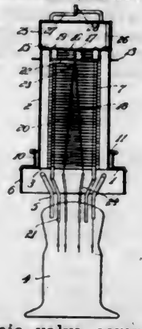
1. Improvements in furnaces with helical hearth, comprising a cylindrical chamber located within the axis of the helix, arms extending from said chamber and above said hearth, a hydraulic press having said chamber pivotally mounted thereon, means for automatically controlling said press, a fixed oblique guide, a carriage mounted on and guided by said fixed oblique guide, said carriage being raised and lowered by the movements of said chamber, and a cable connected at one end to said carriage and its other end wound around and connected to said chamber effecting a helical movement of said chamber during the operation of said hydraulic press.

2,067,824
TORPEDO
August Brandt, Ballenstedt-Harz, Germany
Application March 16, 1935, Serial No. 11,521
In Germany September 13, 1933
4 Claims. (Cl. 102—25)



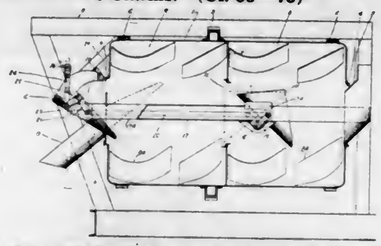
1. A molded pyrotechnic device of non-poisonous character including a pyrotechnical mixture of an alloy of metallic aluminum and magnesium, a carbon bearing material and an oxygen releasing material together with a flux and a binder.

2,067,825
THERMIONIC VALVE OF THE SCREENED GRID TYPE
William Richard Bullimore, London, England
Application September 9, 1931, Serial No. 561,928
In Great Britain December 11, 1930
11 Claims. (Cl. 250—27.5)



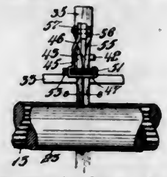
1. A thermionic valve comprising a cathode, a control electrode and an electrostatic screen having parallel sides at opposite sides of the control electrode formed respectively of wire windings each providing two parallel layers of wires, and imperforate sheet metal elements embracing and connecting the vertical edges of said windings to form a closed structure in which the control electrode is substantially entirely enclosed and screened.

2,067,826
CONCRETE MIXER
James E. Bushnell, North Plainfield, and John P. Faber, Dunellen, N. J., assignors to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey
Application September 13, 1932, Serial No. 632,878
8 Claims. (Cl. 83—73)



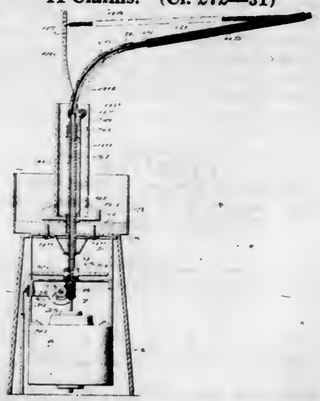
1. A concrete mixing and distributing machine comprising a hollow cylindrical drum defining a mixing chamber and having a plurality of mixing compartments therein and mounted for rotation, means for rotating the same, said drum having charging and discharging openings therein, batch charging and discharging devices adjacent said openings respectively and means for operating the same to charge the drum with a batch of unmixed aggregates and discharge said batch therefrom in mixed condition through said openings, mixing devices in said compartments mounted on and to rotate with said drum for mixing the said batch, a partition in the interior of said chamber dividing the same into said plurality of compartments and having an opening therein through which the aggregates may be transferred from one compartment to the other, transferring means in said chamber including a chute-like part, said means being movable to transferring and non-transferring positions and while in non-transferring position being operative in one compartment and inoperative to either cause or, in its combination and arrangement with respect to the mixing means, permit movement of aggregates from one compartment to the other and being out of frictional contact either directly or through the aggregates with said partition.

2,067,827
YARN GUIDE AND FOLDER
Oswald Sheldon Carliss, Providence, R. I., assignor to H & B American Machine Company, a corporation of Maine
Application September 18, 1935, Serial No. 41,122
12 Claims. (Cl. 19—157)



1. A device for use in long draft textile machines for controlling and folding textile sliver, roving and the like preparatory for drafting of the same comprising a support, means on said support to receive and longitudinally distribute the edges of the sliver in an uncompressed condition during its passage therethrough, and creasing means in the line of travel of and adjacent to and cooperating with said sliver distributing means on said support for directing the sliver thereto and initially forming a longitudinal fold in it directly in advance of its travel therethrough.

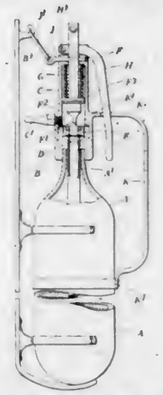
2,067,828
TOY AIRPLANE
Frederick A. Christiansen, Los Angeles, Calif., assignor to W. H. Hammer and L. Rhodes, Los Angeles, Calif.
Application February 10, 1936, Serial No. 63,244
11 Claims. (Cl. 272—31)



1. A toy airplane apparatus comprising a toy plane and propeller, means for supporting and guiding the plane around a center, means for driving said plane by said propeller including a motor, and manually controlled means including a plurality of drive wheels and a drive disk for turning the plane about its supporting means so as to permit different angles of flight and

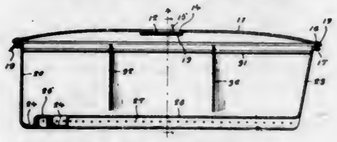
maneuvers, said manually controlled means including additional means for selectively engaging or disengaging any one of said drive wheels with said drive disk.

2,067,829
FIRE EXTINGUISHER OF THE PRESSURE-CONTAINING TYPE
Richard Alured Denne, Richmond, England, assignor to The National Fire Protection Company Limited, Richmond, England, a company of Great Britain
Application April 3, 1936, Serial No. 72,657
In Great Britain April 27, 1935
2 Claims. (Cl. 169—30)



1. In a fire extinguisher, the combination of a container adapted to receive fire extinguishing medium under pressure having an outlet port initially sealed by a frangible diaphragm, a plunger comprising both a cutter for breaking the diaphragm and a valve to close the port, a spring tending to move the plunger towards the outlet port, a safety pin by which the plunger is initially held away from the diaphragm, a handle on the container, a trigger by which the valve can be moved from its seat against the action of the spring after the safety pin has been withdrawn, and a supporting bracket for the container adapted to engage the safety pin so that the pin is automatically withdrawn when the extinguisher is removed from the bracket.

2,067,830
HYDRATOR
James A. Depew, Miami, Fla.
Application December 2, 1935, Serial No. 52,589
5 Claims. (Cl. 62—1)



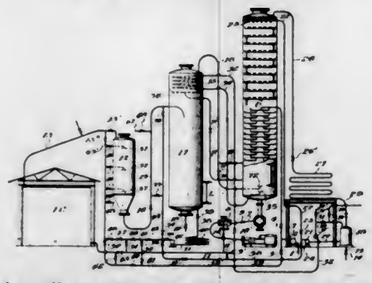
1. A hydrator for refrigerators comprising a receptacle having a rear wall sloping inwardly from the top to the bottom, a longitudinal upstruck channel in the bottom of the receptacle extending nearly to the front wall of the receptacle and opening at the rear end through the bottom of the rear wall of the receptacle whereby cold air may enter the channel from the rear of the receptacle, there being openings in the sides of the channel above the bottom of the receptacle to permit cold air to enter the receptacle, the bottom of the receptacle below the openings forming a sump for accumulation of condensed vapor.

2,067,831
SELF-LUBRICATING VEHICLE SPRING
Charles A. Dougherty, Wilmington, Del.
Application May 20, 1936, Serial No. 80,901
7 Claims. (Cl. 267—50)



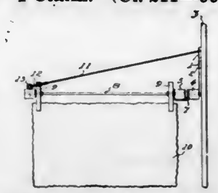
1. In a self-lubricating spring, a structure formed of a series of superimposed laminations of segmental contour, means at the vertical center and adjacent each side of the latter for securing the laminations in superimposed relation, each of said laminations between the top and bottom laminations being formed with a pair of upstanding side portions and an intermediate portion, said side portions being of greater thickness and of materially less width than said intermediate portions, said side portions and intermediate portions coacting to form wide lubricant conducting-off channels opening at the ends of said structure, said intermediate portions having means adjacent one side of said central means for establishing communication between said channels, having transversely disposed spaced lubricant retarders integral with the upper faces of said intermediate portions and the inner edges of said side portions and said bottom lamination being formed with a lubricant receiving chamber opening into that lamination superimposed thereon.

2,067,832
APPARATUS FOR CONVERTING HIGHER BOILING HYDROCARBONS INTO LOWER HYDROCARBONS
Carbon P. Dubbs, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 12, 1929, Serial No. 392,007
Renewed October 8, 1935
2 Claims. (Cl. 196—107)



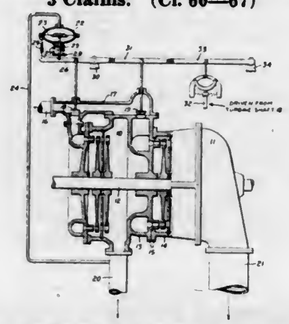
1. An oil cracking apparatus comprising oil heating means and a reaction chamber in communication therewith, a vapor separating chamber, a transfer line for passing oil constituents from said reaction chamber to said separating chamber, means for condensing the vapors separated in said separating chamber, means for passing unvaporized oil from the separating chamber into the reaction chamber, and a direct communication between the condensing means and the transfer line for introducing to said transfer line a portion of the condensate formed in said condensing means.

2,067,833
GARMENT HANGER
Gertrude K. Edison, Chicago, Ill.
Application March 2, 1936, Serial No. 66,573
1 Claim. (Cl. 211—99)



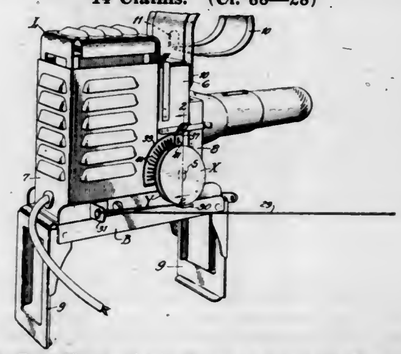
In garment hangers, an oblong headboard, a rib extending lengthwise of said headboard and co-extensive therewith, a two-sided frame, one frame-side extending lengthwise of said rib and being co-extensive therewith, hinges connecting said frame-side and rib, a flexible element releasably connecting said headboard and frame, parallel spaced rods connecting the sides of said frame, said rods being disposed at right angles to said headboard and rib, and garment-engaging pins pivotally and slidably arranged upon said rods and normally disposed vertically through gravity when the frame is in operative position, the pivotal movement of said pins being crosswise of said frame parallel to said headboard in its operative position; said pins, when at the end of said frame adjacent to said headboard, being adapted to be moved pivotally into horizontal position when one end of the frame is manually held and the opposite end rested upon said pins with their lower ends resting upon a support and a lateral movement imparted to said frame, said headboard being then adapted to be folded down upon said pins and frame whereby said pins are retained in horizontal inoperative position.

2,067,834
PARALLEL FLOW TURBINE ARRANGEMENT
Franklin R. Ericson and Arthur D. Somes, Marblehead, Mass., assignors to General Electric Company, a corporation of New York
Application October 4, 1935, Serial No. 43,536
3 Claims. (Cl. 60—67)



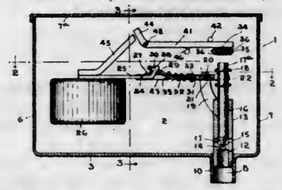
1. A parallel flow turbine arrangement including the combination of a noncondensing turbine and a condensing turbine for furnishing a common mechanical load output, valve means for controlling the flow of elastic fluid to the condensing turbine, another valve means for controlling the flow of elastic fluid to the noncondensing turbine, and a control mechanism comprising means for positioning both valve means in response to changes in condition of the elastic fluid discharged from the noncondensing turbine and other means for positioning the other valve means in response to changes in demand for mechanical load output without affecting the condition of the elastic fluid discharged from the noncondensing turbine.

2,067,835
PICTURE PROJECTOR
Joseph Erwood, Chicago, Ill., assignor to The Webster Company, Chicago, Ill., a corporation of Illinois
Original application June 24, 1935, Serial No. 28,047. Divided and this application February 11, 1936, Serial No. 63,393
14 Claims. (Cl. 88—28)



1. In a film projector having a suitable film gate, a film feeding mechanism in which is comprised a rotatable shaft, a pawl mechanism, an oscillatable operating device having a mounting concentric with the shaft and connected with the pawl mechanism, means limiting the movements of the operating device and pawl mechanism to rotate the shaft a desired distance only, and film framing means including the film sprocket having a mounting concentric with the shaft and operable independently of the operating device to rotate the shaft either way to a new rotative position with respect to the pawl mechanism.

2,067,836
CONTROL MEANS
Andrew Kip Foulds, West Englewood, N. J., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 9, 1932, Serial No. 610,064
23 Claims. (Cl. 137—104)

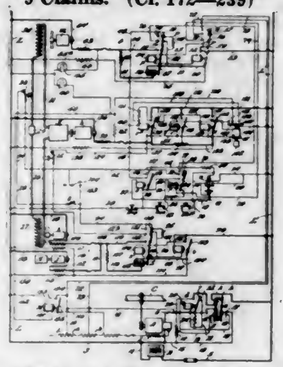


1. A device of the character described, comprising a hollow casing having an inlet and an outlet, a valve controlling said inlet, safety means normally inactive and operable to move said valve to close said inlet, and a float member within said casing and responsive directly to liquid level in said casing to regulate opening and closing of said valve to maintain a substantially constant liquid level in said casing, said float member having provision for overtravel and acting upon increase of liquid level above said constant level to actuate said safety means.

2,067,837
ELECTRIC AIR COOLING SYSTEM FOR VEHICLES

Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland

Original application July 14, 1934, Serial No. 735,272. Divided and this application May 11, 1935, Serial No. 21,053
9 Claims. (Cl. 172—239)



1. In a railway car, in combination, a storage battery, an axle driven generator normally connected for charging the same, a third brush excited field for said generator, a resistor in the circuit of said field, a plurality of motors adapted for operation from a main circuit supplied by the battery and generator, a starter for each motor, circuits interlocking said starters for operation only in sequence, and means associated with certain of said starters to automatically cut out sections of said resistor as the associated motor is started to provide additional current from the generator to compensate for the additional load thereon.

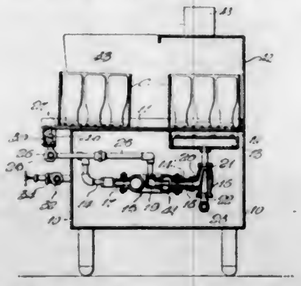
6. In combination, a supply circuit, an electric motor, a circuit for the motor, a contactor for closing the motor circuit, a control circuit for the contactor, a normally open relay for closing said control circuit, a low voltage relay adapted to release its armature and open the magnet circuit of said first mentioned relay at a predetermined low voltage in the supply circuit, and said first mentioned relay constructed to maintain said control circuit closed at a lower voltage than that at which said low voltage relay releases its armature and adapted to open said control circuit only when its magnet circuit is opened by said low voltage relay.

2,067,838
CONTAINER RINSER AND STERILIZER

Paul K. Girton, Millville, Pa.

Application January 3, 1936, Serial No. 57,408
5 Claims. (Cl. 141—7)

2. In a container rinser and sterilizer having a guideway along which to advance the containers, and a container spray head adjacent said guideway for spraying each container while at a predetermined spraying position; water-conducting means leading to said spray head and having a plurality of steam and water mixing chambers in series for successively raising the temperature of the water supplied to said spray head, said water-conducting means being provided with a self-closing water valve in advance of the first of said mixing chambers, said water valve having a movable member whereby it may be opened; steam lines leading to said mixing chambers respectively, each of said steam lines being provided with a self-closing steam valve having a movable member whereby it may be opened; all of said movable members being located adjacent said guideway in position to be simultaneously moved to valve-open

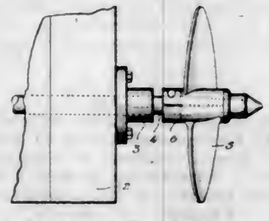


position by a container on said guideway to conduct steam-heated water to said spray head; said movable member of the steam valve of the last of said mixing chambers being positioned to be held in valve-open position longer than said movable members of the other valves to finally conduct only steam to said spray head.

2,067,839
CORROSION CHECKING DEVICE

Bert O. Godfrey, Brooklyn, N. Y.

Application July 24, 1935, Serial No. 32,933
2 Claims. (Cl. 114—65)



1. A collar for a propeller shaft comprising two semicircular sections each having diametrically opposite ears, means associated with the ears for tightly clamping the collar sections about said propeller shaft, said collar sections each having a radial extension having a wall portion disposed at an angle to the radius of the extension, and a metal negative in the electromotive series to the metal of the propeller shaft to be protected cast upon each collar section and enclosing the exposed outer surface thereof and its radial extension, said cast sections being provided with an opening affording access to said clamping means.

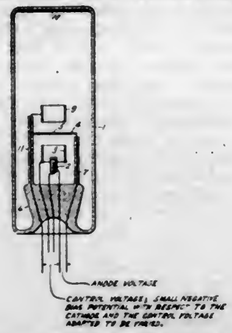
2,067,840
ELECTRON DISCHARGE TUBE

Friedrich Hehlgans, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application November 28, 1932, Serial No. 644,718
In Germany December 5, 1931
4 Claims. (Cl. 250—27.5)

4. An electron discharge tube comprising an envelope containing an electron-emitting cathode, a focusing cylinder surrounding said cathode, an anode, a fluorescent screen electrically independent of the anode, and a hollow metal cylinder adapted to receive charges of variable

potential and positioned between the anode and screen, in line with the electron stream for con-

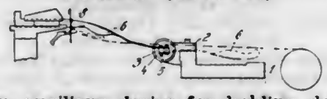


trolling the intensity of the current passing between the anode and the screen.

2,067,841
AUXILIARY DEVICE FOR FABRIC HOLDING-DOWN ATTACHMENTS

Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany

Application June 3, 1936, Serial No. 83,363
In Germany December 6, 1935
4 Claims. (Cl. 66—82)

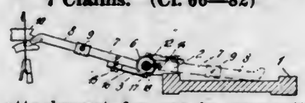


1. An auxiliary device for holding down attachments, acting upon the fabric during the manufacture of the heel portions upon straight knitting machines adapted to produce stockings in a single operation and to knit the heel portions while the needles, producing the instep portion of the stocking, are placed in suspense, comprising means for preventing contact between the holding down devices and the leg portion of the stocking during swinging the holding down devices into and out of the operative position.

2,067,842
ATTACHMENT ON FLAT KNITTING MACHINES FOR HOLDING DOWN THE FABRICS

Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany

Application June 3, 1936, Serial No. 83,364
In Germany June 18, 1935
7 Claims. (Cl. 66—82)

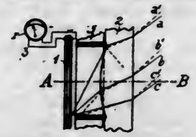


1. An attachment for use in connection with straight knitting machines on which stockings can be made in a single operation and in which the needles adapted to produce the instep portion are placed in suspense during the knitting of the heel portions, comprising two holding down devices for each division of the machine which, during the manufacture of the heel portions, may be swung between the jack sinkers and dividers respectively into contact with the fabric to hold the latter off the sinkers and dividers.

2,067,843
PHOTOELECTRIC PHOTOMETER

Hans Ferdinand Tönnies, Altona-Grossflottbek, Germany

Application June 1, 1934, Serial No. 728,573
In Germany June 6, 1933
20 Claims. (Cl. 88—23)

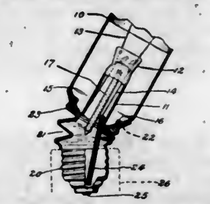


1. In photoelectric apparatus, the combination with an electrical measuring instrument and photosensitive means for impressing upon said instrument a current which varies with the illumination of said photosensitive means, of means positioned in front of said photosensitive means for restricting the angular spread of the light rays which may reach said photosensitive means, said restricting means comprising a plurality of optical refracting elements for forming the light rays approaching said photosensitive means into a plurality of separate groups of light rays which each have a limited angular spread.

2,067,844
ADJUSTABLE ELECTRIC LAMP

Clarence Birdseye, Gloucester, Mass., assignor to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware

Application November 2, 1936, Serial No. 108,786
14 Claims. (Cl. 176—32)



2. An electric reflector lamp designed to concentrate its light output into a predetermined field, having a bulb and a metallic base including a rigid socket-fitting portion, a sleeve portion fitting the neck of the bulb, and a closed tubular intermediate section which is flexible and non-resilient.

2,067,845
FLEXIBLE FOOTWEAR

Camillo Casanova, Zurich, Switzerland

Application September 21, 1936, Serial No. 101,850
In Germany November 17, 1934
13 Claims. (Cl. 12—142)

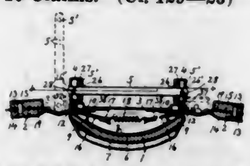


1. A shoe comprising an upper, a welt connected to the upper and having its inner edge formed with notches providing spaced tongues decreasing in width toward their free ends and extending entirely around the inner edge of the welt, each of said tongues having an opening therethrough, an endless binding string extending through said openings and following the

contour of the welt, said endless binding string having portions extending inwardly toward each other at opposite sides of the shoe, and an outsole secured to the welt.

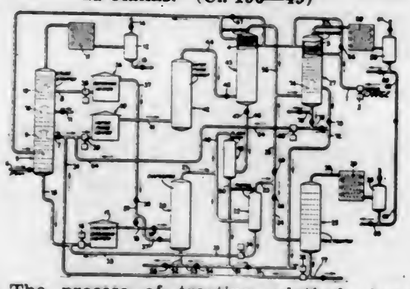
8. A method of making a shoe consisting of connecting to an upper adjacent its lower edge a welt having one edge provided with tongues decreasing in width toward their free ends and having openings adapted to receive therethrough a binding string, threading a binding string through said openings and securing the ends of the string together to make the string endless, pulling portions of the endless string, at opposite sides of the shoe, toward each other to last the upper, and securing an outsole to the welt.

2,067,846
LOOSE LEAF BINDER
James Cooper, Syracuse, N. Y., assignor to Hall and McChesney, Syracuse, N. Y., a corporation of New York
Application January 2, 1934, Serial No. 704,939
10 Claims. (Cl. 129—23)



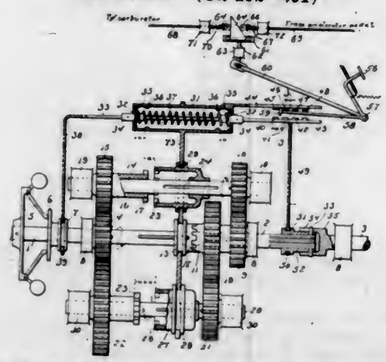
1. A loose-leaf binder comprising a back section, a post-supporting member hinged to the back section to swing laterally, posts projecting from one side of said member and adapted to enter openings in the leaves, and means tending to rock said member in one direction to cause the posts to assume a position at substantially right angles to the plane of the back section.

2,067,847
PROCESS FOR THE TREATMENT OF HYDROCARBON OIL
Wright W. Gary, Great Neck, N. Y., and John T. Ward, Westfield, N. J., assignors to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application June 7, 1934, Serial No. 729,386
11 Claims. (Cl. 196—49)



1. The process of treating relatively heavy hydrocarbon oil for the production of gasoline and other products, which comprises preheating crude hydrocarbon oil to a distilling temperature, introducing the preheated oil into a stripping zone wherein separation of vapors from liquid residue occurs, fractionally condensing said vapors to form a heavy naphtha condensate and a gas oil condensate, removing the fractionated vapors and condensing them as light naphtha, removing unvaporized reduced crude and passing it through a viscosity breaking cracking zone wherein it is raised to a cracking temperature and subjected to conversion into lighter products, introducing the resulting cracked reduced crude into a first evaporating zone wherein vapors separate from liquid residue, separately removing vapors and residue from said evaporating zone and subjecting the vapors to fractional condensation to separate therefrom a heavy condensate and an intermediate condensate, separately passing said heavy naphtha condensate through a reforming zone wherein it is subjected to conditions of temperature and pressure such as to improve the antiknock value thereof, introducing the resulting hot reformed products into said first evaporating zone to aid in the separating of said cracked products from said viscosity breaking cracking zone into vapors and liquid residue, passing said gas oil condensate through a second cracking zone wherein it is raised to a cracking temperature and subjected to conversion, passing the resulting cracked products into a second evaporating zone wherein vapors separate from liquid residue, separately removing vapors and liquid residue from said second evaporating zone and fractionating the vapors from said first and said second evaporating zones to separate gasoline therefrom.

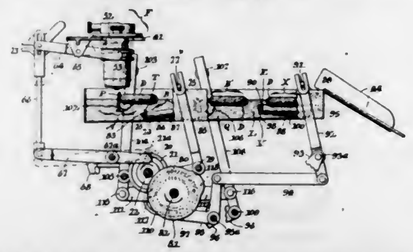
2,067,848
SEMIAUTOMATIC TRANSMISSION CASE FOR AUTOMOBILES
František Hnizdo and Vladimír Obermajer, Prague, Czechoslovakia
Application November 14, 1934, Serial No. 753,058
In Czechoslovakia November 15, 1933
8 Claims. (Cl. 192—.01)



1. In a semi-automatic transmission mechanism, a driving shaft and a driven shaft, a clutch connection between said shafts, a low speed counter-shaft and an intermediate speed counter-shaft, constantly meshing gear connections between said driving shaft and said low speed and intermediate speed counter-shafts and between said counter-shafts and said driven shaft, the gears on said counter-shafts which mesh with a gear on said driving shaft being normally loose, a low speed clutch and an intermediate speed clutch cooperating with the respective loose gears, a single clutch-shifting bar for shifting all of said clutches to effect a low speed drive, an intermediate speed drive or a high speed drive accordingly as said bar is in one position or another, a spring actuated device cooperating with said bar to effect the shifting acts, a pedal with means normally holding said spring actuated devices inactive and

adapted to release the same at will, means governed by the speed of the drive shaft for storing up energy in and setting said spring actuated devices in readiness to function upon being released by movement of said pedal.

2,067,849
DOUGHNUT MACHINE
Herbert T. Hunter, Baltimore, Md., assignor to Doughnut Corporation of America, New York, N. Y., a corporation of New York
Application January 26, 1934, Serial No. 708,393
30 Claims. (Cl. 53—7)



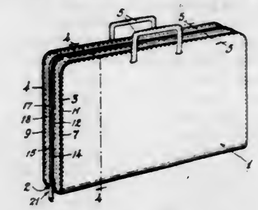
1. In a doughnut machine, the combination of a receptacle for hot cooking liquor, and a doughnut former and cutter for dropping raw doughnuts horizontal into the cooking liquor, with means for confining, manipulating, and transferring the doughnuts, including a cooking cell receiving each doughnut as it drops and confining it for a period of cooking on one side, in one and the same position substantially throughout cooking on said side, and comprising turnover means for engaging the doughnut at said position and inverting it; a second cooking cell receiving each inverted doughnut from the first cell and confining it for a period of cooking on the other side, in one and the same position substantially throughout cooking on this latter side, and comprising ejector means for engaging each doughnut at said position and ejecting it; and means for actuating said doughnut forming and cutting and manipulating and transferring means, including said turnover and ejector, in timed sequence.

2,067,850
VEST
Carl L. Kaufman, Brooklyn, N. Y., assignor to Bloomingdale Bros., Inc., New York, N. Y., a corporation of New York
Application October 3, 1935. Serial No. 43,306
8 Claims. (Cl. 2—102)



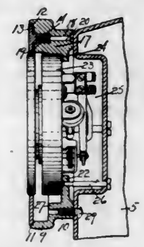
1. A vest comprising front parts connected at their upper ends by an arcuately shaped neck section to form a halter, a strip of stretchable material secured to each front part, one end section of each of said strips projecting rearwardly from a front part and being provided with a fastening element adapted to engage with a fastening element positioned on the rear of the wearer's trousers, the other end sections of said strips being adapted to be extended through the belt holding elements on the front of the wearer's trousers and being provided with cooperating fastener elements whereby they can be attached together at the front of the wearer.

2,067,851
CORRESPONDENT'S CASE
Maurice Lifton, Belle Harbor, Long Island, N. Y., assignor to The Lifton Mfg. Co., a copartnership composed of Maurice Lifton, Aaron Lifton, and Benjamin Lifton, New York, N. Y.
Application January 23, 1936, Serial No. 60,394
5 Claims. (Cl. 150—1.6)



1. A correspondence case or envelope of the class described, comprising swinging side panels joined along one edge and each having a marginal flap of flexible material extending around the other three edges, being provided with means to join the lips of said flaps, and each flap being characterized by a U-shaped reinforcement means secured around said lip, near the free margin of said lip, and adapted to float bodily therewith.

2,067,852
DIAL TELEPHONE PAY STATION
George A. Long, Hartford, Conn., assignor to The Gray Telephone Pay Station Company, Hartford, Conn., a corporation of Connecticut
Application July 13, 1936, Serial No. 90,303
10 Claims. (Cl. 179—100)



3. In combination with the instrument case for a telephone pay station, a dial mounting therefor, said mounting including a dial case, an indicia ring mounted in the front face of said dial case, fastenings projecting from the back of said dial case forwardly into engagement with said indicia ring to secure the latter in place, the back ends of said fastenings being covered by the front face of the instrument case, a calling case including a finger dial secured to said dial case, and fastenings extending from within the instrument case into engagement with said dial case to secure the latter in place.

2,067,853
METHOD FOR THE PREPARATION OF ARALKYL ETHERS OF CELLULOSE
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1934, Serial No. 751,087
12 Claims. (Cl. 260—152)

1. The method for the preparation of aralkyl ethers of cellulose which includes incorporating a controlled quantity of water in cellulose and then treating the moist cellulose at reaction temperature with an aralkyl halide and an aqueous alkali solution emulsified together in the presence of an emulsifying agent.

2,067,854
DEODORIZATION OF POLYMERIZED HALOPRENE AND PRODUCT
Alexander D. Macdonald, Malden, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
No Drawing. Application December 3, 1934, Serial No. 755,852
13 Claims. (Cl. 260—6)

5. The method of deodorizing plastic polymerized chloroprene which comprises providing said polymerized chloroprene with an average thickness of the order of $\frac{1}{32}$ inch, drumming said polymerized chloroprene in a bath of ethyl alcohol, progressively refreshing said ethyl alcohol, continuing said drumming until the malodorant constituents have been removed from said polymerized chloroprene, and during said drumming progressively withdrawing a portion of the alcohol bath, distilling the withdrawn alcohol to separate it from the dissolved malodorant constituents, and returning the distilled refreshed alcohol to said bath.

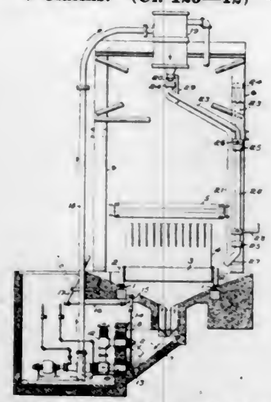
12. The herein-described malodorant-free plastic polymerized chloroprene product obtained by providing the polymerized chloroprene with a large surface area as compared to the mass thereof and such that the thickness of the polymer will not be greater than about $\frac{1}{8}$ inch, and subjecting said polymerized chloroprene to the action of a selective solvent for the malodorant constituents thereof.

2,067,855
PROTECTOR GUIDE FOR DRESSING SHOES
John M. Mayer, Johnsonburg, Pa.
Application September 26, 1934, Serial No. 745,516
6 Claims. (Cl. 36—72)



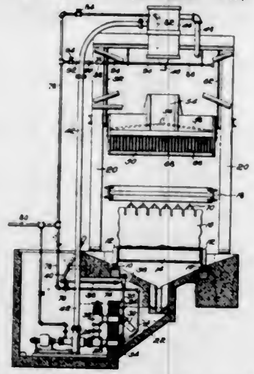
1. As an article of manufacture, a guard for use in dressing shoes comprising a solid approximately flat material having edges thereof substantially inflexibly curved to fit the curves around the periphery of a particular size and style of shoe in the depression or line of demarkation between the sole and upper thereof.

2,067,856
STONE SAWING MACHINE
William McKenzie, Stonington, Maine
Application October 16, 1935, Serial No. 45,240
7 Claims. (Cl. 125—12)



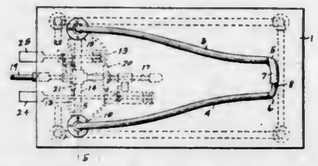
1. In an apparatus for handling water and shot or abrasive material in connection with a stone sawing machine, the combination of a circulating system including a hopper for water and shot or abrasive, an elevated container having an outlet normally discharging upon the work, means for elevating water and shot or abrasive from said hopper to said container, and a by-pass pipe having an inlet which is movable into and out of position to receive the discharge from said container, and having an outlet which discharges toward said hopper.

2,067,857
PROCESS OF AND MACHINE FOR SAWING STONE
William McKenzie, Stonington, Maine, assignor to John L. Goss Corporation, Stonington, Maine, a corporation of Maine
Application March 24, 1936, Serial No. 70,570
8 Claims. (Cl. 125—12)



1. In the art of sawing stone by the use of a saw in connection with liquid as a vehicle and abrading material as the cutting agent, the process which is characterized by gathering abrading material, liquid and sludge from the sawing operation, elevating abrading material, sludge and liquid as a vehicle to a point above the work, agitating the elevated mass by additional liquid supplied as an independent stream discharged thereinto, releasing the mass as a stream toward the work, and washing the abrading material as it descends toward the work by additional cleansing liquid supplied thereto.

2,067,858
GARMENT STEAMER AND STRETCHER
George T. Oberwetter, Houston, Tex., assignor to Roy D. Oberwetter, Houston, Tex.
Application April 2, 1934, Serial No. 718,606
3 Claims. (Cl. 223—73)

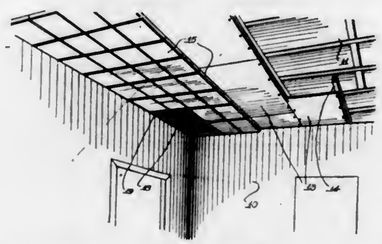


1. A garment steamer and stretcher comprising a loop having side legs mounted to yield toward and from each other and adapted to receive a garment thereover and to maintain the material thereof under tension, the facing sides of the legs having openings, a heater coil in each leg, means for supplying steam under pressure to each leg, and means for creating suction through each leg.

2,067,859
SYNTHETIC RESIN AND METHOD OF PRODUCING
Ernest G. Peterson, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 2, 1933, Serial No. 688,069
21 Claims. (Cl. 260—2)

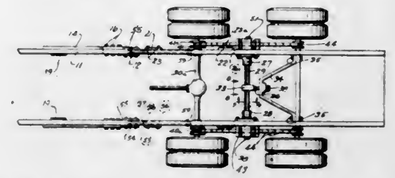
1. A synthetic resin comprising the product of the simultaneous reaction of a terpene hydrocarbon of the formula $C_{10}H_{16}$ and possessing no conjugated system of double bonds, maleic anhydride, and a compound containing the abietyl radical.

2,067,860
BUILDING METHOD AND CONSTRUCTION
Joel Pomerene, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application April 18, 1935, Serial No. 16,958
11 Claims. (Cl. 20—4)



4. A construction for preventing breathing and soiling of a porous ceiling by the passage of air through said ceiling into an air space above said ceiling, which comprises a ventilating opening in said ceiling so that air pressure below said ceiling is equalized with the air pressure in said air space, thus retarding the passage of air through the pores of said ceiling.

2,067,861
MULTIWHEEL MOTOR VEHICLE
Philip T. Robin, Cleveland Heights, Ohio, assignor to American Third Axle Corp., Cleveland, Ohio, a corporation of Ohio
Application February 28, 1936, Serial No. 66,159
3 Claims. (Cl. 280—106.5)



1. In a vehicle, the combination of a frame having a driving axle and wheels, a dead axle also having wheels behind said wheels, and a torque-resisting member connected to the dead axle, a rock shaft transversely attached to the frame, springs connecting the ends of the rock shafts to the respective axles, a swivel arm having a yoke at its front end laterally slideably mounted on the rock shaft and swivelly connected at its rear end to the torque-resisting member on the dead axle, said yoke being automatically slidable on the rock shaft, solely in consequence of variations in the shape of the springs incident to forces exerted by the vehicle rounding a curve.

2,067,862
SYNTHETIC RESIN AND METHOD OF PRODUCING
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1934, Serial No. 755,633
7 Claims. (Cl. 260—8)

1. The reaction product of a polyhydric alcohol, an organic polybasic acid or anhydride and a hydrogenated abietyl alcohol.

2,067,863
HOSIERY TESTING APPARATUS
Charles L. Simon, Elkins Park, Pa., assignor to Industrial By-Products and Research Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 20, 1934, Serial No. 712,259
9 Claims. (Cl. 73—51)



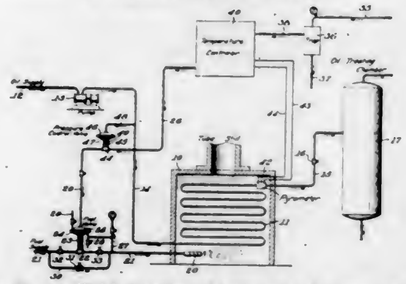
6. A hosiery testing machine comprising a hosiery form adapted to support hose with a test point thereof in substantially the shape of actual use and providing a backing for the hose at said point, a pivot mounting the form, a rotatable abrasive drum positioned to be engaged by said test point, and means for oscillating said drum.

2,067,864

FLUID HEATER CONTROL

Norman W. Stirling, Plainfield, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application April 26, 1934, Serial No. 722,441
2 Claims. (Cl. 196—132)



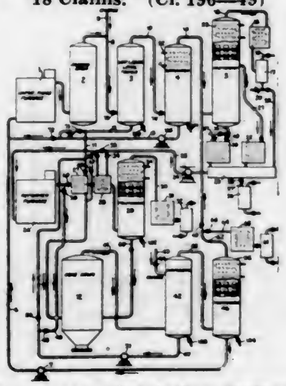
1. In a fluid heater, having a burner with means for controlling the supply of fuel thereto, a heating coil adapted to be heated by said burner, and a pump for forcing a fluid to be heated through the heating coil in a continuous stream under pressure; a source of control fluid under pressure, a control fluid line connecting said control fluid source to said fuel controlling means whereby said controlling means is actuated in response to the supply of control fluid, regulating means for the supply of said control fluid, thermostatic means responsive to the temperature of the fluid being heated for actuating said regulating means to vary the supply of fuel to said burner in accordance with the temperature of the fluid being heated, and means located between said pump and the outlet of said heating coil responsive to the pressure of said flowing stream of fluid being heated, said last mentioned means being operably connected to the said control fluid line for modifying the supply of said control fluid to the fuel controlling means to thereby entirely cut off the supply of fuel to said burner when the pressure of said flowing stream of fluid drops below a predetermined minimum.

2,067,865

PROCESS OF TREATING HYDROCARBON OIL

Le Roy G. Story, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application November 15, 1932, Serial No. 642,691
18 Claims. (Cl. 196—49)



1. The process of treating hydrocarbon oil which comprises raising a clean distillate to a vapor phase cracking temperature, combining the resulting cracked products while hot, in a stream of restricted cross-sectional area, with fresh relatively heavy charging stock in order quickly to raise the charging stock to a distillation temperature, subsequently reducing the pressure on the mixture and separating it in a separating zone into vapors and a liquid residue, fractionating resulting vapors to segregate a light gasoline distillate and a heavy naphtha condensate comprising gasoline constituents, raising said heavy naphtha condensate to a high cracking temperature in an independent heating zone to cause an increase in the anti-knock value thereof, removing residue from said separating zone at such a rate as to prevent the accumulation of any substantial body of liquid therein in order to prevent liquid phase digestion, passing hot vapors from the heated heavy naphtha in heat exchange with the removed residue, coking the heated residue in a coking zone, and removing vapors from said coking zone and passing them directly to a fractionating zone separate from said separating zone first mentioned to form a desired distillate.

2,067,866

ERGOT-DERIVED PRODUCT AND PROCESS OF OBTAINING IT

Elmer H. Stuart, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application November 18, 1936, Serial No. 111,487
10 Claims. (Cl. 167—67)

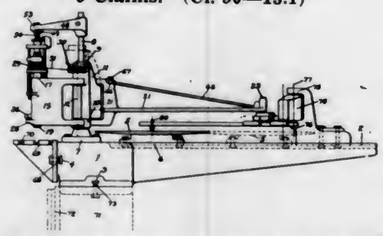
8. An ergot-derived substance, which in the form of the tartrate is usually effective on oral administration to produce prompt control of puerperal hemorrhage in human mothers in doses which are not greater than 1.0 mg.; and which in the form of a base dissolves sufficiently in chloroform to form a solution which is optically levo-rotatory, and dissolves sufficiently in water to form a solution which is optically dextro-rotatory.

2,067,867

ENGRAVING MACHINERY

William Taylor, Leicester, England, assignor to Kapella Limited, Leicester, England, a corporation of England

Application May 5, 1936, Serial No. 77,948
In Great Britain April 27, 1935
9 Claims. (Cl. 90—13.1)



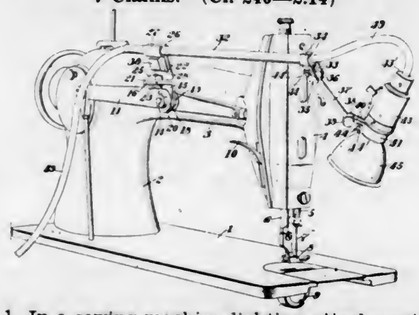
1. In an engraving machine and the like, a primary pantograph linkage comprising an arm and a junction pivot carried thereby, a support, a swivel member pivotally mounted on said support on bearings spaced well apart, and pivotally carrying said arm, a carriage member pivotally carried by the swivel member on bearings spaced well apart and carrying a rotary cutter spindle, and a link connecting the carriage member and the arm, the axes of the junction pivot, the support and the cutter spindle being at all times parallel to one another and in one plane, and a secondary pantograph comprising an arm and a tracer carried thereby, a swivel member pivotally mounted on a support and pivotally carrying said arm, a junction member pivotally joined to the swivel member and pivotally connected by the junction pivot to the primary pantograph, and a link connecting the junction member and the arm, the axes of the junction pivot, the support and the tracer being at all times parallel to one another and in one plane.

2,067,868

SEWING MACHINE LIGHTING DEVICE

Reinhold E. vom Lehn, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application May 9, 1935, Serial No. 20,573
7 Claims. (Cl. 240—2.14)



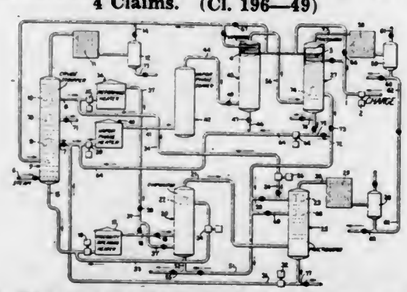
1. In a sewing machine lighting attachment, a lamp-socket, a link, an arm, a ball joint connection between one end of said link and said lamp-socket, a ball-joint connection between the other end of said link and said arm, and a swivelled clamp for mounting said arm on the frame of a sewing machine, said arm being rotatably and endwise slidably shiftable relative to said clamp.

2,067,869

PROCESS FOR THE TREATMENT OF HYDROCARBON OILS

Harold V. Atwell, White Plains, N. Y., assignor to Gasoline Products Company (Inc.), Newark, N. J., a corporation of Delaware

Application July 26, 1934, Serial No. 736,977
4 Claims. (Cl. 196—49)



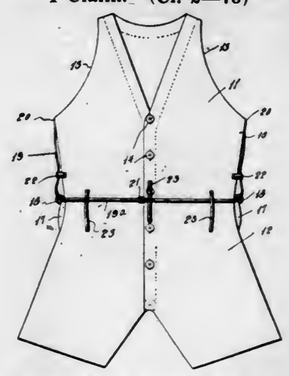
1. The process of treating hydrocarbon oil for the production of relatively high anti-knock gasoline which comprises passing heavy topped crude charging oil from a topping operation directly to a cracking zone wherein it is raised to a moderate cracking temperature and subjected to a moderate amount of conversion of a viscosity breaking nature, introducing the resulting hot cracked products into a vapor separating zone wherein vapors separate from liquid residue, removing said vapors and subjecting them to fractionation in a separate fractionating zone wherein a light reflux condensate in the nature of heavy naphtha and a heavier reflux condensate in the nature of gas oil are separately collected, removing fractionated vapors from said fractionating zone and condensing them to form a gasoline distillate having an end point lower than that desired for the final product and of high octane number and anti-knock quality, withdrawing said light condensate from said fractionating zone and passing it through a separate heating zone in mixture with fresh heavy naphtha from an external source, wherein the naphtha mixture is raised to a relatively high cracking temperature and is subjected to reformation with the accompanying formation of relatively high anti-knock gasoline constituents, introducing the resulting hot reformed products into said vapor separating zone in mixture with the hot cracked products from the cracking zone first mentioned, withdrawing said liquid residue from said vapor separating zone, withdrawing said heavy condensate from said fractionating zone and passing it to a separate cracking zone wherein it is raised to a vapor phase cracking temperature and subjected to conversion, introducing the resulting hot vapor phase cracked products into a second vapor separating zone, wherein vapors separate from liquid residue, passing said vapors last mentioned to a second fractionating zone wherein fractional condensation thereof occurs, removing the fractionated vapors from said second fractionating zone and condensing them to form gasoline distillate having the end point desired for the final product, and blending the distillate obtained from the fractionating zone first mentioned with the distillate obtained from the fractionating zone second mentioned to form the final desired gasoline distillate of the desired end point and anti-knock quality.

2,067,870

UNION SUIT

James W. Blackwell, Lincolnton, Ga.

Application November 14, 1935, Serial No. 49,847
1 Claim. (Cl. 2—78)



A union suit having a drop seat, means providing openings adjacent the free corners of said drop seat, elastic tape means extending downwardly at the side of the garment, through said openings and across the waist line of the garment, means anchoring said tape means at opposite ends

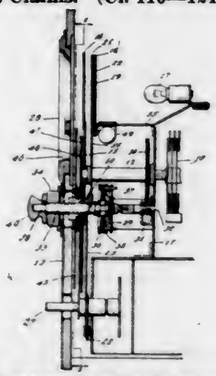
adjacent the armholes of the garment, the tape means being loose with respect to the garment from end to end, a guide means to maintain the tape means in operative position at the sides and front of the garment, said tape means comprising sections, and means adjustably connecting the sections at the front of the garment.

2,067,871

TUNING DEVICE FOR RADIO SETS

Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application August 15, 1935, Serial No. 36,299
2 Claims. (Cl. 116—124.4)



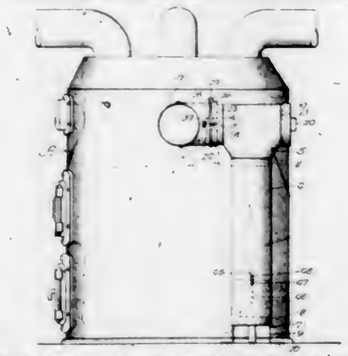
1. Control means for a radio receiving set having a tuning device provided with a rotatably adjustable tuning element, a graduated dial mounted on said tuning element for rotation therewith, a speed-reducing mechanism having rotatable driving and driven members, reduction gearing operatively interconnecting said driven member with said tuning element, a second graduated dial rotatable with said driven element, and a control knob rotatable with each of said driving and driven elements and accessible for manual manipulation.

2,067,872

DRAFT REGULATING SYSTEM

Thomas Bray, Arlington Heights, Ill., assignor to Arthur Bray, Arlington Heights, Ill.

Application October 21, 1935, Serial No. 45,840
5 Claims. (Cl. 126—312)



1. In a system for regulating the draft in a heating apparatus having an outlet conduit for the products of combustion, the combination of means for introducing air into the conduit comprising a pipe having one end thereof open and a T-fitting having one branch thereof connected to the other end of the pipe and another of its branches provided with means for attachment to the conduit, a removable cap mounted on the third branch of the T-fitting and adapted when mounted in place to close said third branch, and an automatic draft regulator of the pivoted plate type associated with and disposed in said another branch of the T-fitting and operative automatically in response to variations or fluctuations in the pressure of the products of combustion passing through the conduit to control the flow of air through the pipe and fitting into said conduit.

2,067,873

ALKALI METAL SALTS OF CHLOROETHANE SULPHONIC ACID

Edgar C. Britton and Ralph P. Perkins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 21, 1934, Serial No. 744,910
6 Claims. (Cl. 260—159)

1. In a method for the preparation of the alkali metal salts of chloroethane sulphonic acid, the step which consists in introducing an alkali metal sulphite gradually into an excess of hot ethylene chlorobromide.

2,067,874

TREATMENT OF IRON ORES CONTAINING NICKEL

Earl H. Brown and Sylvester James Broderick, Yellow Springs, Ohio, assignors to Bethlehem Mines Corporation, a corporation of Delaware

Application August 29, 1932, Serial No. 630,907
11 Claims. (Cl. 75—111)



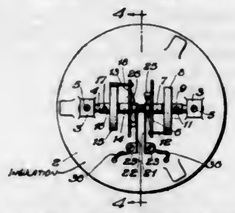
1. A process for the treatment of nickeliferous iron ores, which consists in effecting a selective low temperature reduction of the ore under conditions favoring complete reduction of the nickel without substantial reduction of the iron, chlorinating the reduced nickel and iron at a temperature favorable to a complete conversion of the reduced nickel to soluble chloride and some conversion of the reduced iron to chloride, and leaching the product of chlorination with hot water at a temperature at which the solubility of iron chloride is a minimum but the high solubility of nickel chloride is unaffected.

2,067,875

AUTOMATIC CONTROL FOR HUMIDIFIERS

Frank Bullock, Lake Geneva, Wis., assignor to Middlebury Electric Clock Corporation, a corporation of Illinois

Application November 22, 1934, Serial No. 754,383
1 Claim. (Cl. 200—52)



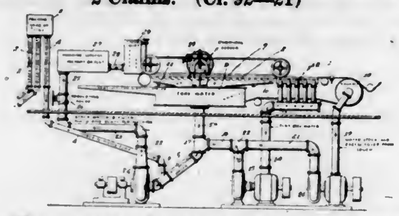
A control device of the character described comprising, a normally open electric switch including a pair of cooperating contact members, a thermostatic element, a hygrostatic element, and means operable by said elements conjointly for operating said switch when the relative humidity of the air surrounding said elements falls below a predetermined amount relative to the temperature of the air, said means including cam members one associated with each of said elements, each of said cams being arranged independently to move one of said contact members in response to operation of its said associated element.

2,067,876

METHOD OF INCORPORATING SPECIAL MATERIALS WITH PAPER STOCK

Wilbert L. Campbell, Denver, Colo., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application July 12, 1934, Serial No. 734,751
2 Claims. (Cl. 92—21)



1. The process of making paper on a paper-making machine in which white-water is recirculated, which comprises, feeding a suspension of paper-stock to the forming wire to form a web thereon, collecting the white-water passing through said wire and immediately feeding a filler thereto prior to its recirculation to form an advancing stream of filler-containing water, forming an advancing stream of a suspension of paper-stock, combining and mixing said streams and causing the resulting mixed stream to be fed to the forming wire to form a web of filler-containing paper thereon.

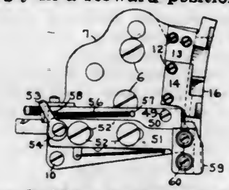
2,067,877

KNITTING MACHINE

Robert H. Lawson and William L. Smith, Jr., Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application January 10, 1934, Serial No. 706,082
18 Claims. (Cl. 66—50)

1. An instrumentality selecting means for attachment to a knitting machine, including an upright support having two slotted and upstanding members, members mounted to slide in the slots aforesaid, spring means attached to the support and to the members for maintaining the members yieldingly in a forward position where they



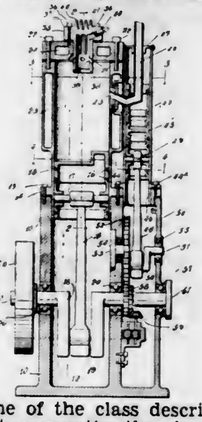
may act upon knitting instrumentalities, the said members being recessed on one edge thereof and means on the support adapted to seat within the mentioned recesses to hold the members in a retracted position where they do not act upon the said knitting instrumentalities.

2,067,878

INTERNAL COMBUSTION ENGINE

Irl Dwight Sattgast, Gillespie, Ill.

Application April 14, 1936, Serial No. 74,375
3 Claims. (Cl. 123—188)



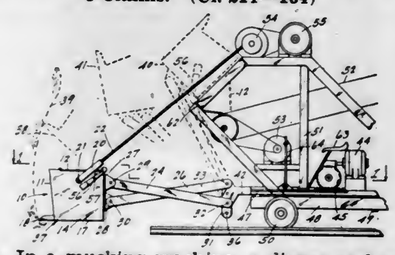
1. An engine of the class described having a cylinder, a piston operative therein, internal combustion means to drive the piston, said cylinder having an outlet port for exhaust gases, a movable body geared to the engine, and said body normally closing said port and having a pipe adapted to register therewith for the exhaust of spent gases, said pipe being surrounded by a portion of the body.

2,067,879

MUCKING MACHINE

William A. Whitmire, Albany, Calif.

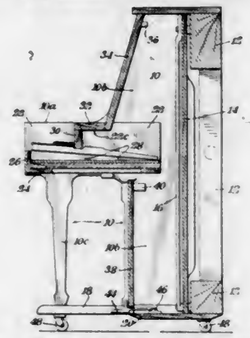
Application February 25, 1936, Serial No. 65,667
3 Claims. (Cl. 214—134)



1. In a mucking machine, a dipper and rectilinear crowding means therefor, and a multiple

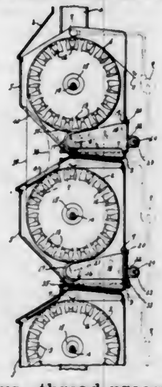
element dipper stick pivotally cooperating between said dipper and said crowding means, predetermined elements acting in opposition to the other elements causing inversion of the dipper as the dipper is raised, a hinged cover for said dipper and automatic latching and unlatching means therefor operating gravitationally for latching and by cooperation with a conveyor frame for unlatching only when the dipper is in inverted position, and a conveyor receiving material from said dipper directly without intervening hopper.

2,067,880
UPRIGHT PIANO
Henry R. Heller, Larchmont, N. Y.
Application March 5, 1936, Serial No. 67,218
6 Claims. (Cl. 84—177)



1. In an upright piano construction, in combination, a piano-back; sides projecting forwardly from the piano-back, each having a forwardly projecting horizontal arm and a vertical leg depending from the free end of said arm, said leg and arm both being an integral part of the same board as the main portion of said side; and foot members projecting forwardly from the piano-back into supporting position under said legs.

2,067,881
CONTINUOUS THREAD-PROCESSING MACHINE
Walter F. Knebusch, Cleveland, and Foster Hillix, Lakewood, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 10, 1933, Serial No. 679,606
9 Claims. (Cl. 18—8)

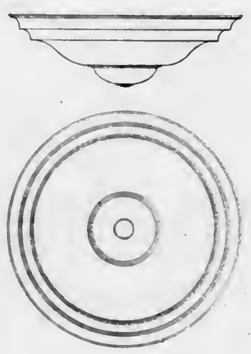


2. A continuous thread-processing machine comprising a plurality of serially disposed thread-advancing thread store devices upon each of which the thread is subjected to treatment and, associated with said thread store devices, positively operating thread transfer means adapted, in the event of an interruption in the continuity of the thread, to initiate automatic transfer of the new leading end from one thread store device to another thread store device.

DESIGNS

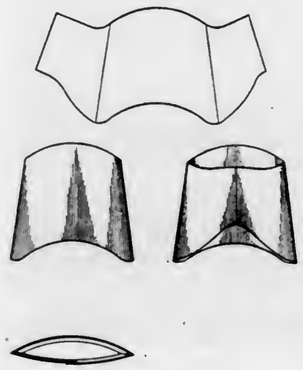
JANUARY 12, 1937

102,672
DESIGN FOR A TRANSLUCENT REFLECTOR FOR ELECTRIC LIGHT FIXTURES
George Ainsworth, New York, N. Y.
Application March 23, 1936, Serial No. 61,740
Term of patent 14 years



The ornamental design for a translucent reflector for electric lighting fixtures, substantially as shown.

102,673
DESIGN FOR AN EYESHADE OR SIMILAR ARTICLE
Samuel S. Berk, Cleveland, Ohio, assignor to Edwin I. Fertman, Cleveland, Ohio
Application April 28, 1936, Serial No. 62,355
Term of patent 3½ years



The ornamental design for an eyeshade or similar article, as shown.

102,674
DESIGN FOR A BOTTLE
Frank W. Bireley, Los Angeles, Calif., assignor to Bireley's Inc., Los Angeles, Calif., a corporation of California
Application January 11, 1936, Serial No. 60,534.
Term of patent 14 years



The ornamental design for a bottle as shown and described.

102,675
DESIGN FOR A TEXTILE FABRIC
Sidney Breakstone, New York, N. Y.
Application December 17, 1936, Serial No. 66,583
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

102,676
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application November 27, 1936, Serial No. 66,159
Term of patent 3½ years



The ornamental design for a dress as shown and described.

102,677
DESIGN FOR TEXTILE FABRIC OR SIMILAR ARTICLE
Elsie J. Das, Honolulu, Territory of Hawaii
Application September 28, 1936, Serial No. 65,040
Term of patent 3½ years



The ornamental design for textile fabric or similar article, as shown and described.

102,678
DESIGN FOR A LIGHTING FIXTURE GLOBE
Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application November 6, 1936, Serial No. 65,728
Term of patent 14 years



The ornamental design for a lighting fixture globe as shown.

102,679
DESIGN FOR A CIGARETTE EXTINGUISHER
Charles L. Fay, San Francisco, Calif.
Application April 17, 1936, Serial No. 62,181
Term of patent 3½ years



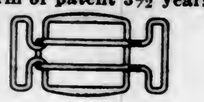
The ornamental design for a cigarette-extinguisher, as shown.

102,680
DESIGN FOR A BUCKLE
John B. Freysinger, New Britain, Conn.
Application October 29, 1936, Serial No. 65,571
Term of patent 3½ years



The ornamental design for a buckle as shown.

102,681
DESIGN FOR A BUCKLE
John B. Freysinger, New Britain, Conn.
Application October 31, 1936, Serial No. 65,621
Term of patent 3½ years



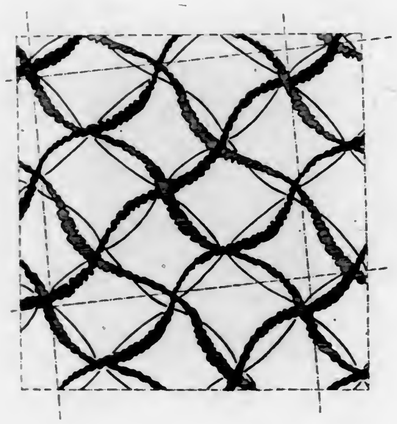
The ornamental design for a buckle as shown.

102,682
DESIGN FOR A BUCKLE
John B. Freysinger, New Britain, Conn.
Application November 3, 1936, Serial No. 65,676
Term of patent 3½ years



The ornamental design for a buckle as shown.

102,683
DESIGN FOR A TEXTILE FABRIC
Joseph Gluck, New York, N. Y.
Application December 17, 1936, Serial No. 66,585
Term of patent 3½ years



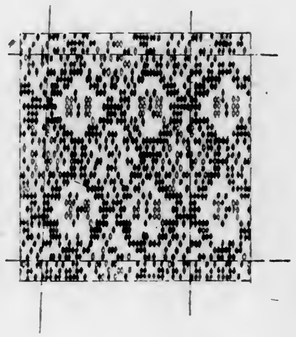
The ornamental design for a textile fabric substantially as shown and described.

102,684
DESIGN FOR A RUG OR SIMILAR ARTICLE
Frank A. Haas, New York, N. Y.
Application December 18, 1936, Serial No. 66,612
Term of patent 3½ years



The ornamental design for a rug or similar article, substantially as shown.

102,685
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 10, 1936, Serial No. 65,228
Term of patent 3½ years



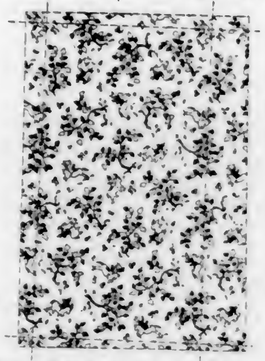
The ornamental design for a textile fabric substantially as shown and described.

102,686
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 10, 1936, Serial No. 65,235
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

102,687
DESIGN FOR A TEXTILE FABRIC
Arthur S. Heiman, New York, N. Y.
Application December 5, 1936, Serial No. 66,329
Term of patent 3½ years



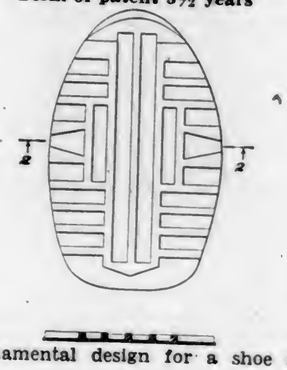
The ornamental design for a textile fabric substantially as shown and described.

102,688
DESIGN FOR A TEXTILE FABRIC
Arthur S. Heiman, New York, N. Y.
Application December 9, 1936, Serial No. 66,396
Term of patent 3½ years



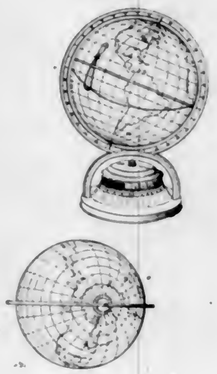
The ornamental design for a textile fabric substantially as shown and described.

102,689
DESIGN FOR A SHOE SOLE
John A. Katz and Frank F. Hills,
San Francisco, Calif.
Application October 19, 1936, Serial No. 65,360
Term of patent 3½ years



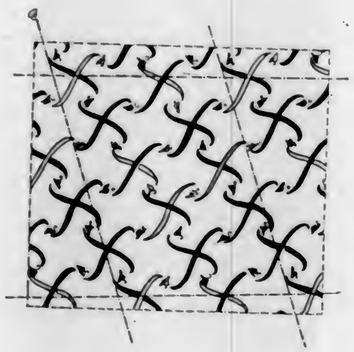
The ornamental design for a shoe sole as shown.

102,690
DESIGN FOR A GLOBE CLOCK
Abe Leonard Koolish, Chicago, Ill.
Application September 30, 1936, Serial No. 65,093
Term of patent 3½ years



The ornamental design for a globe clock, as shown.

102,691
DESIGN FOR A TEXTILE FABRIC
Adolph Levy, New York, N. Y.
Application December 17, 1936, Serial No. 66,587
Term of patent 3½ years



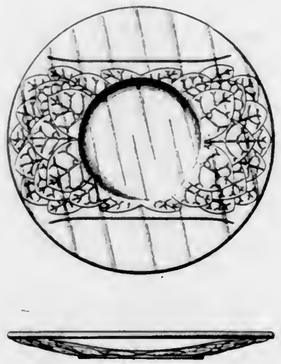
The ornamental design for a textile fabric substantially as shown and described.

102,692
DESIGN FOR A KNITTED FABRIC
Jack Markowitz, New York, N. Y.
Application December 9, 1936, Serial No. 66,406
Term of patent 3½ years



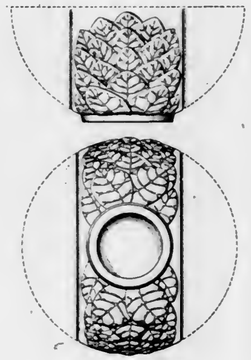
The ornamental design for a knitted fabric substantially as shown.

102,693
DESIGN FOR A DISH OR SIMILAR ARTICLE
Jamie E. Matchet, Newark, Ohio, assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application October 17, 1936, Serial No. 65,342
Term of patent 7 years



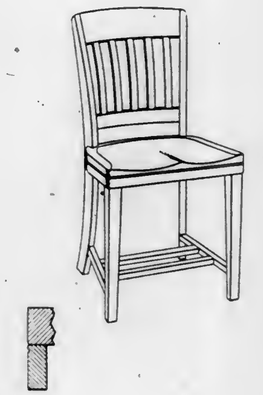
The ornamental design for a dish or similar article, as shown.

102,694
DESIGN FOR A BOWL
Jamie E. Matchet, Newark, Ohio, assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application October 17, 1936, Serial No. 65,343
Term of patent 7 years



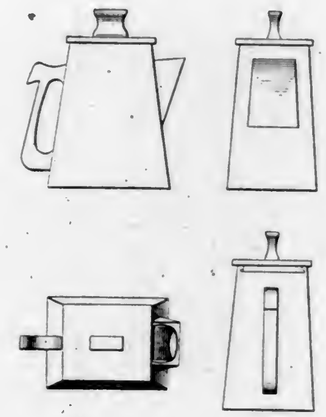
The ornamental design for a bowl, as shown.

102,695
DESIGN FOR A CHAIR
Hiram N. McLellan, Shaker Heights, Ohio, assignor to The Taylor Chair Company, Bedford, Ohio, a corporation of Ohio
Application November 11, 1936, Serial No. 65,851
Term of patent 7 years



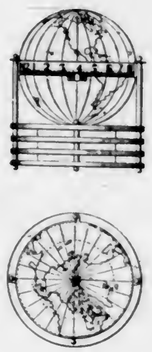
The ornamental design for a chair, as shown and described.

102,696
DESIGN FOR A SOAP CHIP DISPENSER OR SIMILAR ARTICLE
Charles Miller, Madison, Wis.
Application April 15, 1936, Serial No. 62,142
Term of patent 3½ years



The ornamental design for a soap chip dispenser or similar article, as shown.

102,697
DESIGN FOR A CLOCK
Ossian K. Mitchell, Chicago, Ill.
Application December 5, 1936, Serial No. 66,336
Term of patent 14 years



The ornamental design for a clock, substantially as shown and described.

102,698
DESIGN FOR A TEXTILE FABRIC
Milton Morris, New York, N. Y.
Application December 17, 1936, Serial No. 66,586
Term of patent 3½ years



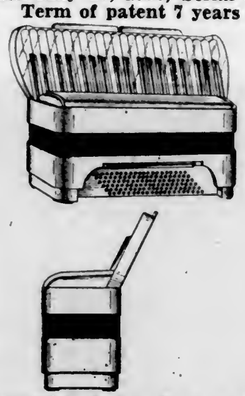
The ornamental design for a textile fabric, substantially as shown and described.

102,699
DESIGN FOR A COLOR CHART
Harold James Opsahl, Los Angeles, Calif.
Application October 3, 1936, Serial No. 65,152
Term of patent 3½ years



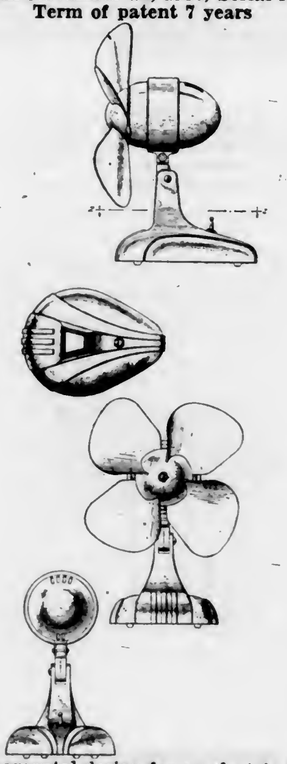
The ornamental design for a color chart as shown and described.

102,700
DESIGN FOR AN ACCORDION
Roberto Pancotti, Nutley, N. J., assignor to Excelsior Accordion Manufacturing Co. Inc., New York, N. Y.
Application May 13, 1936, Serial No. 62,610
Term of patent 7 years



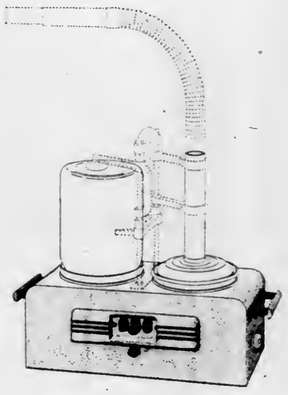
The ornamental design for an accordion as shown.

102,701
DESIGN FOR AN ELECTRIC FAN
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 24, 1936, Serial No. 66,125
Term of patent 7 years



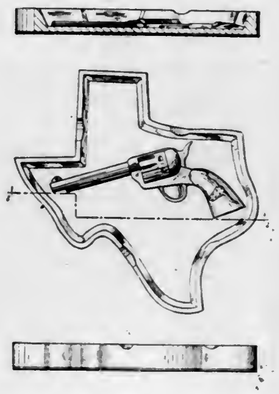
The ornamental design for an electric fan, substantially as shown and described.

102,702
DESIGN FOR AN INHALATOR
Mayo E. Roe, Elyria, and Wilbur Henry Adams, Cleveland, Ohio, assignors to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application October 30, 1936, Serial No. 65,611
Term of patent 7 years



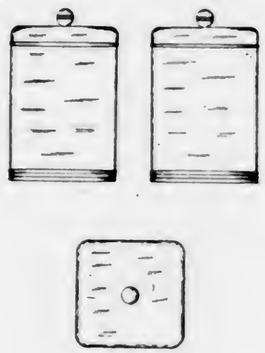
The ornamental design for an inhalator substantially as shown and described.

102,703
DESIGN FOR AN ASHTRAY
Edward Robert Spiegel, Dallas, Tex., assignor of one-half to Gordon G. Guiberson, Dallas, Tex.
Application June 26, 1936, Serial No. 63,509
Term of patent 3½ years



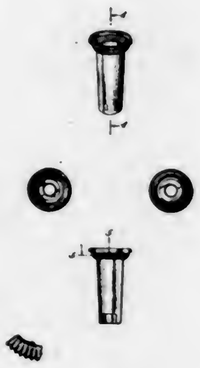
The ornamental design for an ashtray, as shown.

102,704
DESIGN FOR A CANISTER
George W. Stallings, Jackson, and George W. Walker, Pleasant Ridge, Mich., assignors, by direct and mesne assignments, to A. Kreamer, Incorporated, New York, N. Y., a corporation of New York
Application May 22, 1936, Serial No. 62,785
Term of patent 14 years



The ornamental design for a canister, as shown.

102,705
DESIGN FOR A CIGARETTE HOLDER
Clauss Burkart Strauch, New York, N. Y.
Application May 19, 1936, Serial No. 62,726
Term of patent 14 years



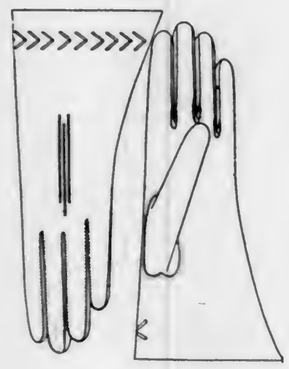
The ornamental design for a cigarette holder, as shown.

102,706
DESIGN FOR A RUG OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application December 16, 1936, Serial No. 66,566
Term of patent 3½ years



The ornamental design for a rug or similar article, substantially as shown.

102,707
DESIGN FOR A GLOVE
Evelyn Webster, Gloversville, N. Y.
Application December 4, 1936, Serial No. 66,306
Term of patent 3½ years



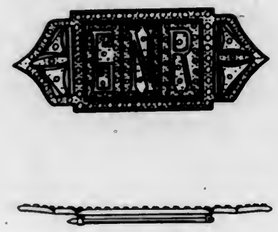
The ornamental design for a glove, substantially as shown and described.

102,708
DESIGN FOR A SHOE
Harry E. Williams, St. Louis, Mo.
Application May 15, 1936, Serial No. 62,654
Term of patent 3½ years



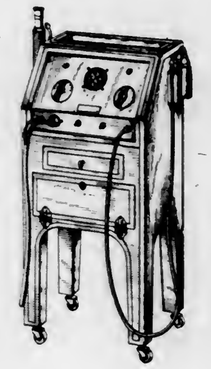
The ornamental design for a shoe, as shown.

102,709
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Charles Adler, New York, N. Y.
Application November 27, 1936, Serial No. 66,153
Term of patent 3½ years



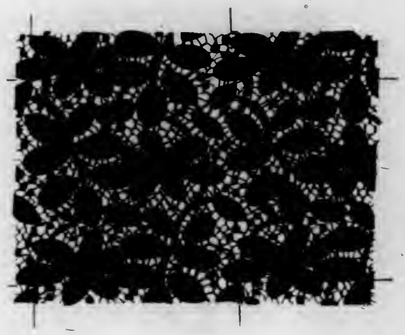
The ornamental design for a brooch or similar article, substantially as shown and described.

102,710
DESIGN FOR A COMBINATION VACUUM AND PRESSURE TREATMENT CABINET AND APPARATUS
Lloyd J. Andres, Chicago, Ill., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application May 27, 1936, Serial No. 62,870
Term of patent 7 years



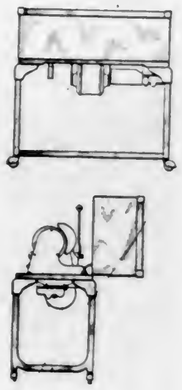
The ornamental design for a combination vacuum and pressure treatment cabinet and apparatus as shown and described.

102,711
DESIGN FOR A LACE
Leon Birnbaum, New York, N. Y.
Application December 16, 1936, Serial No. 66,545
Term of patent 3½ years



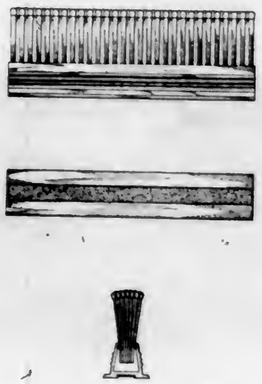
The ornamental design for a lace substantially as shown and described.

102,712
DESIGN FOR AN IRONING MACHINE
Edward B. Carson, Fort Myers, Fla.
Application November 5, 1936, Serial No. 65,714
Term of patent 7 years



The ornamental design for an ironing machine, as shown and described.

102,713
DESIGN FOR A COMBINED MATCH CLUSTER AND HOLDER
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 26, 1935, Serial No. 59,781
Term of patent 7 years



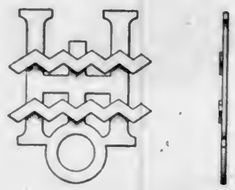
The ornamental design for a combined match cluster and holder as shown.

102,714
DESIGN FOR A RUG OR SIMILAR ARTICLE
Frank A. Haas, New York, N. Y.
Application December 18, 1936, Serial No. 66,613
Term of patent 3½ years



The ornamental design for a rug or similar article, substantially as shown.

102,715
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Lois Haines, Chicago, Ill.
Application July 6, 1936, Serial No. 63,673
Term of patent 3½ years



The ornamental design for an appliqué emblem or similar article for wearing apparel, as shown.

102,716
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 10, 1936, Serial No. 65,229
Term of patent 3½ years



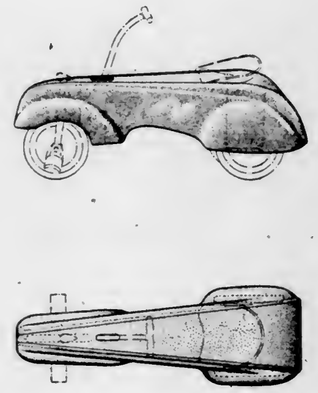
The ornamental design for a textile fabric substantially as shown and described.

102,717
DESIGN FOR A TEXTILE FABRIC
Kallman Kanter, New York, N. Y.
Application December 8, 1936, Serial No. 66,381
Term of patent 3½ years



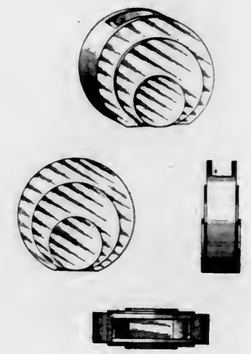
The ornamental design for a textile fabric, substantially as shown.

102,718
DESIGN FOR A JUVENILE VEHICLE
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 29, 1936, Serial No. 62,902
Term of patent 7 years



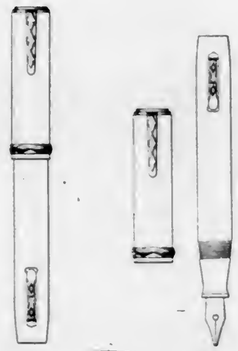
The ornamental design for a juvenile vehicle, substantially as shown and described.

102,719
DESIGN FOR A VASE
George McStay Jackson, Chicago, Ill., assignor to Trenton Potteries Company, Trenton, N. J., a corporation of New Jersey
Application November 16, 1936, Serial No. 65,948
Term of patent 3½ years



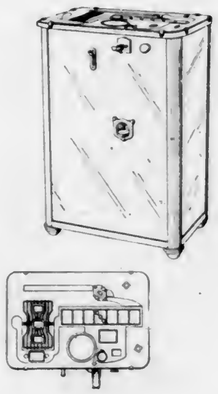
The ornamental design for a vase, substantially as shown.

102,720
DESIGN FOR A FOUNTAIN PEN
Gabriel Larsen, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y., a corporation of New York
Application November 18, 1936, Serial No. 65,998
Term of patent 14 years



The ornamental design for a fountain pen substantially as shown and described.

102,721
DESIGN FOR AN AMUSEMENT GAME APPARATUS
John F. Meyer, Chicago, Ill.
Application November 14, 1936, Serial No. 65,914
Term of patent 3½ years



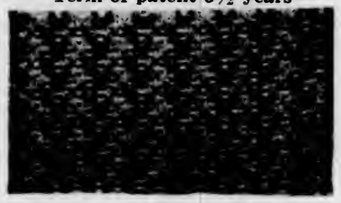
The ornamental design for an amusement game apparatus, as shown.

102,722
DESIGN FOR A FABRIC FOR LADIES' SHOES AND HANDBAGS OR SIMILAR ARTICLE
William Michaels, New York, N. Y.
Application November 30, 1936, Serial No. 66,196
Term of patent 3½ years



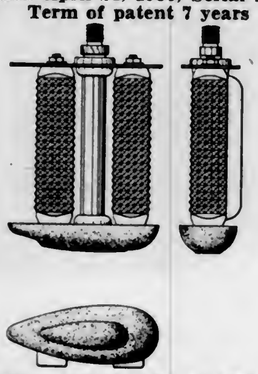
The ornamental design for a fabric for ladies' shoes and handbags or similar article, substantially as shown and described.

102,723
DESIGN FOR A FABRIC FOR LADIES' SHOES AND HANDBAGS OR SIMILAR ARTICLE
William Michaels, New York, N. Y.
Application November 30, 1936, Serial No. 66,198
Term of patent 3½ years



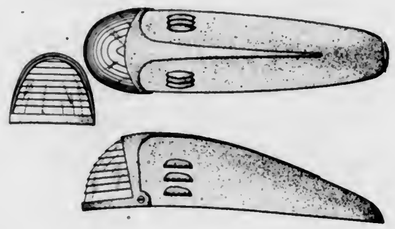
The ornamental design for a fabric for ladies' shoes and handbags or similar article, substantially as shown and described.

102,724
DESIGN FOR A PEDAL FOR BICYCLES OR THE LIKE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 24, 1936, Serial No. 62,269
Term of patent 7 years



The ornamental design for a pedal for bicycles or the like, as shown.

102,725
DESIGN FOR A COMBINED HORN AND HEADLIGHT CASING FOR BICYCLES OR THE LIKE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 24, 1936, Serial No. 62,271
Term of patent 7 years



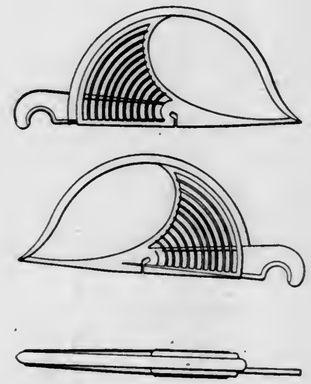
The ornamental design for a combined horn and headlight casing for bicycles or the like, as shown.

102,726
DESIGN FOR A HANDLE BAR POST
John R. Morgan, Oak Park, Ill., assignor to Sears. Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 24, 1936, Serial No. 62,273
Term of patent 7 years



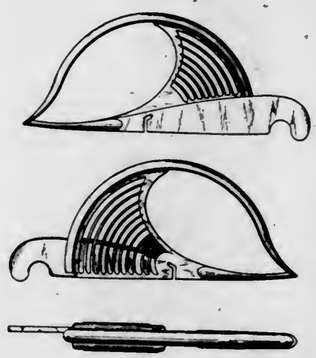
The ornamental design for a handle bar post, as shown.

102,727
DESIGN FOR A COMBINED CHAIN AND SKIRT GUARD FOR BICYCLES
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 30, 1936, Serial No. 62,386
Term of patent 7 years



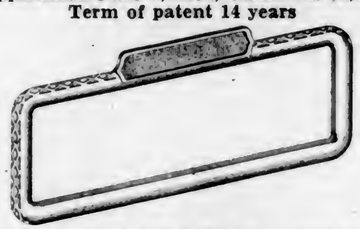
The ornamental design for a combined chain and skirt guard for bicycles, as shown.

102,728
DESIGN FOR A COMBINED CHAIN AND SKIRT GUARD FOR BICYCLES
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application May 11, 1936, Serial No. 62,582
Term of patent 7 years



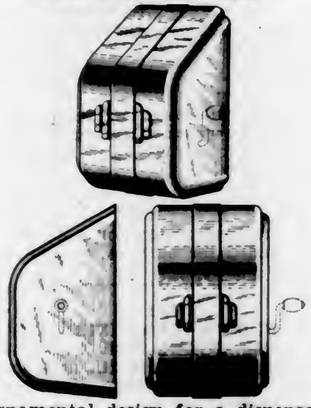
The ornamental design for a combined chain and skirt guard for bicycles, as shown.

102,729
DESIGN FOR A REAR VIEW MIRROR FRAME
Henry M. Pemberton, Fayetteville, N. C., assignor of one-half to Phil Gibbons, Hamlet, N. C.
Application June 9, 1936, Serial No. 63,178
Term of patent 14 years



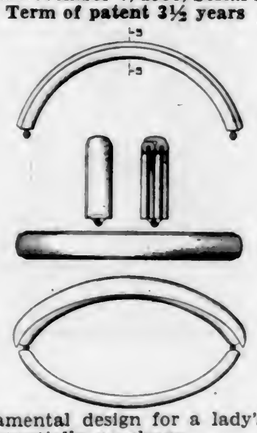
The ornamental design for a rear view mirror frame, as shown and described.

102,730
DESIGN FOR A DISPENSER CABINET
Jay C. Perrin, Los Angeles, Calif.
Application November 9, 1936, Serial No. 65,810
Term of patent 7 years



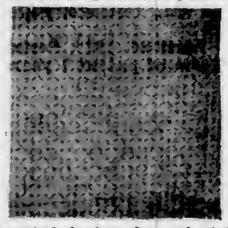
The ornamental design for a dispenser cabinet, as shown.

102,731
DESIGN FOR A LADY'S HANDBAG FRAME
Maurice Rosenberg, Long Beach, N. Y.
Application November 7, 1936, Serial No. 65,766
Term of patent 3½ years



The ornamental design for a lady's handbag frame, substantially as shown.

102,732
DESIGN FOR A KNITTED FABRIC
Benjamin Siegel, West New York, N. J.
Application December 17, 1936, Serial No. 66,609
Term of patent 7 years



The ornamental design for a knitted fabric, as shown.

102,733
DESIGN FOR A SHOE
Joseph Starr, New York, N. Y.
Application November 2, 1936, Serial No. 65,640
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

102,734
DESIGN FOR A TYPEWRITING MACHINE
John A. Zellers, Bronxville, and Herbert E. Bridgwater, Syracuse, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 6, 1935, Serial No. 59,945
Term of patent 7 years



The ornamental design for a typewriting machine, as shown and described.

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January 19, 1937

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Labels	3—No.	48,732 to No.	48,734, inclusive.
Prints	6—No.	16,002 to No.	16,007, inclusive.
Reissues	5—No.	20,246 to No.	30,250, inclusive.
Plant Patents	7—No.	220 to No.	226, inclusive.
Patents	757—No.	2,067,882 to No.	2,068,638, inclusive.
Designs	128—No.	102,735 to No.	102,862, inclusive.
Total	1,159		

Disclaimers

1,783,864.—*Clarence W. Vogt*, Louisville, Ky. APPARATUS AND PROCESS FOR TREATING MATERIALS. Patent dated December 2, 1930. Disclaimer filed December 28, 1936, by the assignee, *The Girdler Corporation*.

Hereby enters its disclaimer to the subject matter of claim 23 of said Letters Patent.

1,858,339.—*Russell S. Ohl*, New York N. Y. PIEZO ELECTRIC OSCILLATOR. Patent dated May 17, 1932. Disclaimer filed December 19, 1936, by the patentee: the assignee, *American Telephone and Telegraph Company*, consenting.

Hereby enters this disclaimer to claims 1 and 2 of said Letters Patent.

Adjudicated Patents

(C. C. A. N. Y.) Frederickson patent, No. 1,635,829, for protecting coating for covered conductors and method of applying the same, claims 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, and 15 *Held* invalid. *National Electric Products Co. v. Circle Flexible Conduit Co.*, 86 F.(2d) 84.

(D. C. Pa.) Sonneborn patent, No. 1,646,563, for box wrapping system, claims 3, 4, 5, 8, 13, 14, 15, and 16 *Held* invalid, and claims 20 and 39 *Held* valid and infringed. *Autokraft Box Corporation* v. *Nu-Box Corporation*, 16 F. Supp. 794.

(C. C. A. Colo.) Trott patent, No. 1,834,907, for engine mounting, *Held* invalid. *Trott* v. *Cullen*, 86 F.(2d) 141.

(C. C. A. Colo.) Trott patent, No. 1,890,871, for automotive vehicle, claims 30 to 37, inclusive *Held* invalid. *Id.*

(C. C. A. Colo.) Trott patent, No. 1,897,014, for engine mounting, *Held* not infringed. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,907,328, A. A. MacCubbin and J. Zavertnik, Jr., Distillation of petroleum oils, decided December 7, 1936, claim 5.

Pat. 1,997,543, O. H. Dicke, Train dispatching system for railroads, decided December 23, 1936, claims 23 and 24.

Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Communications to the Patent Office

RULE 8. A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters.

Condition of Applications Under Examination at Close of Business December 31, 1936

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 35,745; Trade-Mark Division, 1,754. Oldest new case, July 3, 1936; oldest amended, June 10, 1936.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 5	Oct. 29	330
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Aug. 4	Aug. 10	1026
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 15	Oct. 16	404
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Sept. 9	Sept. 3	594
3077	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Oct. 2	Oct. 9	417
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Sept. 3	Sept. 4	726
5725	7. JARBOE, C. G., Optics; Photography	Oct. 3	Oct. 2	805
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 6	Oct. 1	423
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 6	Oct. 6	388
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Oct. 3	Oct. 6	369
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 8	Oct. 20	386
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Oct. 6	Oct. 6	295
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 22	Oct. 22	407
5097	14. SMITH, G. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Sept. 14	Sept. 12	587
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 3	Oct. 3	866
5612	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 16	Sept. 16	684
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 1	Oct. 3	600
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 1	Sept. 1	461
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 21	Sept. 11	666
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 8	Sept. 4	419
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 1	Oct. 3	615
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 8	Oct. 8	568
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	July 3	June 10	513
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 6	Oct. 5	593
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 2	Oct. 2	567
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 12	Oct. 12	289
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Aug. 8	Aug. 7	786
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Sept. 26	Sept. 9	325
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Oct. 1	Oct. 3	498
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 4	Sept. 5	667
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 12	Oct. 12	495
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Oct. 12	Oct. 12	464
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 25	Sept. 29	720
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 7	Oct. 1	353
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 12	Sept. 12	607
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 1	Sept. 29	255
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Sept. 5	Sept. 17	577
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 6	Oct. 3	397
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 3	Nov. 2	301
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 1	Sept. 1	1080
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 27	Sept. 16	537
5882	42. CUTTING, H. O., Electric Signaling	Oct. 6	Oct. 1	442
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Oct. 1	Oct. 1	621
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Sept. 11	Sept. 3	619
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 10	Sept. 30	318
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 21	Sept. 25	569
7600	47. BARKER, H., Clutches; Brakes	Oct. 8	Sept. 30	469
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 28	Sept. 28	536
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 3	Oct. 30	383
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Oct. 2	Oct. 2	511
5628	51. BACKUS, C. D., Radiant Energy	Oct. 3	Oct. 3	702
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 10	Oct. 13	605
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 27	Aug. 29	930
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Oct. 6	Oct. 7	330
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 1	Sept. 1	684
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Oct. 1	Oct. 1	926
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Sept. 8	Aug. 31	432
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 2	Oct. 2	277
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Sept. 30	Oct. 9	435
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Sept. 2	Sept. 1	566
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 29	Sept. 5	237
3876	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 2	Oct. 2	446
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting; Fermentation	Sept. 29	Sept. 29	491
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Oct. 2	Oct. 2	741
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 4	Aug. 1	777
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Dec. 1	Dec. 14	1372
	{Labels and Prints	Dec. 2	Dec. 18	382
2605	DESIGNS, H. H. KALUPY	Dec. 2	Dec. 17	639

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CRECELIUS

No. 3,668. Decided November 30, 1936

1. CLAIMS — INTERPRETATION — EFFECT OF "WHEREBY" CLAUSE.

A "whereby" clause stating the result secured by a composition may not be resorted to for the purpose of adding positive elements to the claim otherwise directly anticipated by the prior art.

2. PATENTABILITY—COMPOSITION AND METHOD FOR TREATMENT OF COAL.

Certain claims for a composition used in the treatment of coal and claims for the method *Held* unpatentable over the prior art and other claims for the composition *Held* patentable.

APPEAL from the Patent Office. Modified.

Messrs. Kicis, Hudson & Kent for Crecelius.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting claims numbered 34 to 37, inclusive, 40 to 45, inclusive, and 55 of appellant's application for patent. All of the claims on appeal were rejected upon cited prior art; certain claims have been allowed.

Both process and article claims are involved. Claims 34, 35, 36, 37, 40, 41, and 55 are illustrative and read as follows:

34. A composition of matter comprising a chloride which upon heating decomposes below the fusion temperature of iron sulphide, together with an inorganic oxidizing agent and an oxidation catalyst of the type of manganese dioxide.

35. A composition of matter comprising a chloride which upon heating decomposes below the fusion temperature of iron sulphide, together with an oxidation catalyst of the type of manganese dioxide and an oxidizing agent which acts as a promoter catalyst.

36. A composition of matter comprising a deliquescent chloride, potassium dichromate and tannic acid.

37. A composition of matter for the treatment of coal comprising calcium chloride and materials which form a protecting coating for the calcium chloride when the same is coated upon the coal.

40. The method of treating coal for the purposes described, which consists in applying to the coal a composition containing a chloride which upon heating decomposes at a temperature below the fusion point of iron sulphide, together with catalytic material whereby by chemical action there is provided a continued supply of chlorine (during the burning of the coal) to effect substantial decomposition of the iron sulfur compounds to form a stable oxide of iron and a stable oxide of sulfur.

41. The method of treating coal which consists in applying to the coal a composition containing a deliquescent chloride together with a substance containing chromium oxide and tannic acid.

55. As an article of commerce, coal upon which there has been deposited a mixture of a deliquescent chloride together with catalytic material and a substance which fixes the chloride and catalytic material upon the coal.

The references cited are: Nock, 28,543, May 29, 1860; Livingstone, 708,774, September 9, 1902; Stoner, 887,145, May 12, 1908; Fingerland et al., (Germany), 270,573, February 19, 1914; Foxwell, 1,183,445, May 16, 1916; Esselen, Jr., et al., 1,688,695, October 23, 1928; Komarek, 1,860,465, May 31, 1932; Treatise of Inorganic Chem., Mellor, Vol. II, pp. 25–35.

The alleged invention is concisely described by the Board of Appeals in its decision as follows:

The invention relates to the treatment of coal containing sulfur and particularly to coals containing the lower sulphides of iron. When coal containing these sulphides is burned, the sulphides melt at approximately 2140° F., run down into the grates, fuse to the grate bars, and obstruct the passage of air. Some of the ferrous sulphide particles are also carried into the boiler tubes and give rise to tube slagging. The present invention relates to a treatment of the coal with certain compounds so that when the coal is being burned chlorine is continuously liberated and decomposes the iron sulphide below its fusing point of 2140° F. and forms stable oxides, such as ferric oxide and sulfur dioxide, the former passing to the ash pit and the later to the stack.

Appellant's specification contains the following statement:

Speaking in general terms, the chemicals used may be said to comprise a suitable deliquescent halogen compound, such for instance, as calcium chloride or magnesium chloride or mixtures of the two, together with a suitable catalytic agent, such as manganese dioxide, iron oxide, chromium oxide, used either singly or two or more of them together, give most satisfactory results.

Under the heading "Catalysts" applicant's specification states:

Manganese dioxide (MnO_2) and chromium oxide are employed for conversion of the hydrochloric acid into chlorine. Although, with respect to the formation of chlorine from hydrochloric acid, manganese dioxide and chromium oxide perform as catalytic agents, it has been found that when manganese dioxide and chromium oxide are used together the catalytic conversion of hydrochloric acid into chlorine is accelerated by some six or more times the activity of either one used alone.

The chromium oxide functions as a promoter catalytic agent. Obviously by the use of the terms "manganese dioxide" and "chromium oxide" there will be included as coming within the same scope, chemical substances which when heated decompose to form manganese dioxide and chromium oxide, respectively, where such substances produce the effect of manganese dioxide and chromium oxide in the conversion of chlorine in the burning of the coal as previously described.

The patent to Nock relates to an improvement in desulphurizing coke, and discloses the use of chloride of sodium, peroxide of manganese, and rosin. The patent states:

The quantities or proportions of the chemical agents employed by me in decarbonizing Pittsburg coal, and which I find to be productive of the most satisfactory results, are as follows: I dissolve in ten gallons of water three pints (dry measure) of chloride of sodium, or common salt. To this solution I add half a pound (avoirdupois weight) of peroxide of manganese and two ounces (avoirdupois) of colophony, or common rosin, pulverized. This quantity of my mixture is sufficient for an oven containing one hundred and fifty bushels of Pittsburg coal, which contains, however, not so large a quantity of sulphur as many other varieties of bituminous or stone coal. The quantity of this mixture requisite for a given quantity of coke will vary with the proportion of sulphur in the coal undergoing the carbonizing process, and therefore cannot be exactly specified; but a workman of ordinary capacity can readily tell the proper quantity to use. So, also, the relative proportion of the ingredients of my mixture may admit of variation without impairing seriously its efficiency; and I do not desire to confine myself to the exact proportions of ingredients used, nor to the use of the precise chemical agents hereinbefore named. In place of chloride of sodium, *some other alkaline chloride may be substituted, or the chlorides of the alkaline earths—as salts of lime,* for instance. In lieu of the peroxide of manganese, some other substance which yields oxygen at an elevated temperature in contact with carbon—such as nitrate of potash, for instance—may be employed, and instead of rosin some other easily-combustible substance, as a modification of my process; but I have stated the ingredients and their proportions which I have found on experiment to be the most efficient in producing the desired result. [Italic ours.]

The patent to Livingstone relates to the treatment of coal. The substances used in the composition for such treatment are chloride of sodium,

peroxide of hydrogen, and dioxide of manganese. These are mixed together and form a powder.

The patent to Foxwell relates to a compound for treating sulphur bearing fuel and other substances. The patent states:

> In carrying out the invention, the fuel is treated with a water solution of calcium chlorid and an oxygen-bearing compound of boron with the chlorin and boron compounds in such proportions as will establish a molecular balance between these two elements, as hereinafter more fully described. Among the characteristics of fuel treated by such a solution may be mentioned the following: The fuel burns as freely and easily as the best coal, notwithstanding the fuel may be rich in sulfur, and give off as many calories of heat and evaporate as much water. The products of combustion are rendered substantially inert and thus will not attack iron or steel surfaces of the furnace or heat-absorbing elements of a boiler in connection with which the fuel is used. * * *

The publication of Mellor, "Treatise of Inorganic Chem.," Vol. II, pp. 25–35, shows that it is standard laboratory procedure to oxidize hydrochloric acid or a chloride salt with oxidizing agents such as manganese dioxide and others to produce free chlorine gas.

The patent to Esselen et al. is directed toward giving coal a distinctive appearance by imparting thereto a distinctive color. It points out that tannic acid may be added to the pigment employed to act as a binder.

The patent to Komarek relates to a coating for briquettes. It discloses the use of calcium chloride, manganese chloride, and potassium carbonate for that purpose, with a film forming material to act as a binder.

The Board of Appeals did not discuss any of the other references, and we do not find it necessary to do so.

Appellant introduced into the record a number of affidavits showing commercial success of his composition and method of treatment of coal, and also affidavits of chemists to the effect that appellant's alleged invention is novel and that the results secured by him in the treatment of coal could not be secured by following the teachings of the references.

The Examiner allowed nine claims and rejected all the others, including those before us. The Board reversed the Examiner upon his rejection of eight claims and they stand allowed, in addition to those allowed by the Examiner.

It appears that the Examiner allowed claims where specific constituent elements of the composition were specified, and disallowed claims where the broad terms "catalyst" or "catalyzing agent" were used. The Board allowed claims rejected by the Examiner where the claims specified that more than one catalyzing agent was employed. The Board affirmed the rejection of claims where they did not specify that the composition was for the treatment of coal, and where they did not specifically provide for the employment of more than one catalyst, holding that all such claims lacked invention in view of the references, and that such claims were so broad as to read upon the prior art.

Claim 40, and claims 42 to 45, inclusive, will be considered together. The distinction between these claims and certain of the allowed claims is that not more than one catalyst is specified in the rejected claims. It is appellant's contention that, while the prior art disclosed the use of sodium chloride and a substance which acted as a catalyst, such a composition could not secure the result accomplished by appellant's composition for the reason that sodium chloride decomposes at a temperature above the fusion point of iron sulphide, and hence there could not be provided a continuous supply of chlorine to effect decomposition of the iron sulphur compounds. An affidavit by a chemist, Hoffman, which is in the record, is to that effect, and we accept it as correct. We therefore are of the opinion that, insofar as the prior art taught the use of sodium chloride in a composition for the treatment of coal, such teaching may not be resorted to as a ground of rejection of the claims under consideration, which do not include sodium chloride.

However, the patent to Nock expressly states that chlorides of the alkaline earths, as salts of lime, may be substituted for sodium chloride. Therefore, we have the express teaching that calcium chloride may be employed as appellant employs it. Nock also teaches the use of peroxide of manganese or potassium nitrate for the same purpose as appellant has in the use of manganese oxide, which, appellant says, operates as a catalyst. Nock uses rosin as a binder, whereas appellant uses tannic acid.

The group of claims now under consideration do not include the binder.

[1] We have hereinbefore observed that this group of claims do not specifically include more than one catalyst, and in our opinion they are directly anticipated by Nock. It is true that each of these claims has the "whereby" clause stating the result secured by the composition, but we do not think that such clause may be resorted to for the purpose of adding positive elements to the claim. It is the contention of appellant, as set forth in the affidavit of Hoffman, that the Nock disclosure using calcium chloride is inoperative to provide a continuous supply of chlorine during the burning of the coal, but we do not think this contention may be sustained, for two reasons: (1) because appellant's specification teaches that a single catalyst, such as manganese dioxide, may be used with the calcium chloride, and (2) because, if the Nock composition is inoperative, and the claims here under consideration are so broad as to read upon Nock, the said claims would also be faulty for the same reason.

Furthermore, as well stated by the Examiner, "* * * it is elementary that the claims must distinguish from the references even if they are inoperative."

We find no error in the rejection by the Board of Appeals of claims 40, and 42 to 45, inclusive.

Claim 41 is a method claim and embraces the treatment of coal with a composition containing a deliquescent chloride together with a substance containing chromium oxide and tannic acid. The specification discloses that the tannic acid is used as a fixer or binder of the remaining elements of the composition. It does not disclose that any chemical reaction takes place between such elements

and the tannic acid. As hereinbefore stated, the patent to Esselen et al. discloses the use of tannic acid as a binder of pigments, to be placed upon coal, and we are of the opinion that, in view of such disclosure, claim 41 was properly rejected by the Board of Appeals.

The remaining claims before us are claims for a composition of matter. Claims 34 and 35 are very similar to a number of claims allowed by the Patent Office tribunals, the chief difference being that the allowed claims recite that the composition of matter is for the treatment of coal, or are for coal, as an article of commerce, which coal has been treated with the designated composition of matter. Each of said claims 34 and 35 embraces the elements of a chloride which upon heating decomposes below the fusion temperature of iron sulphide, and more than one oxidizing agent, which agents function as catalysts.

Apparently the only reason why these claims were not allowed by the Patent Office tribunals was that they are not limited to the treatment of coal. The Board of Appeals in its decision stated:

> The Examiner has allowed a number of claims along the line of claim 29, which is drawn to cover a composition of matter for the *treatment of coal* comprising a chloride, which upon heating, decomposes below the fusion temperature of iron sulphide, together with manganese oxide and a substance containing chromium oxide. He has refused claims, such as claims 34 and 35, which are merely drawn to cover *composition of matter* in general, and which comprises a similar chloride as claim 29 and, in addition, an inorganic oxidizing agent and an oxidation catalyst. Such a claim is broad and more or less indefinite in its scope and does not limit the composition to any use where these ingredients will cooperate to produce some particular result. For such broad claims we believe that the art is sufficient to render them unpatentable, particularly Nock and Livingstone. [Italics quoted.]

We cannot agree with the Board that these claims are unpatentable over the prior art. The Board itself has held that the prior art does not teach the use of more than one catalytic agent, and has allowed claims specifying the use of more than one catalytic agent upon the ground that appellant's specification discloses that a mixture of two oxidation catalysts, as specified, "gives as much as six times the effect that any single one of the oxidizing catalysts [gives]." It will be observed that each of claims 34 and 35 embraces more than one catalytic agent. By the term "inorganic oxidizing agent" we understand that it is intended to mean an agent having catalytic properties.

We think that if these claims had been limited to a composition for the treatment of coal they would have been allowed, and properly so. The question then arises whether appellant is entitled to any broader protection of his invention than for the treatment of coal. Without expressing any opinion as to whether, if allowed, these claims would be valid if applied to an art remote from the treatment of coal, we think that appellant should not be required to limit his claims to the treatment of coal. It is well known that peat, when processed, is used as fuel, and that it ordinarily contains sulphur; the same is true of lignite, although it may be classified as a species of coal. We think appellant is entitled at least to protection in the use of his patentable composition for the treatment of such and similar fuels if it is adapted thereto. It is our opinion that claims 34 and 35 should be allowed.

Claim 36 is for a composition of matter "comprising a deliquescent chloride, potassium dichromate and tannic acid." With respect to the use of tannic acid in conjunction with potassium dichromate, appellant's specification states:

> In order to affix the calcium chloride and the manganese dioxide and the potassium dichromate to the coal sufficiently well to insure its retention against rain and snow, I add as a fixative, tannic acid ($C_{14}H_{10}O_9$). I have found that instead of supplying the chromium oxide directly, that when potassium dichromate is substituted, the fixative step is brought into play. This is due to the fact that the potassium dichromate and tannic acid react upon one another in the presence of moisture and produce an insoluble flocculent tanninbichromate precipitate which affixes the whole to the coal and secondly, that under heat at the proper temperature, the tanninbichromate is oxidized producing the chromium oxide required as a catalyst, as before described.

We do not find this asserted chemical reaction between potassium dichromate and tannic acid anywhere disclosed in the prior art, and, assuming that appellant's composition with a single catalyst is operative, as he states in his specification, we think that the claimed reaction between the tannic acid and the potassium dichromate, serving the double purpose of a binder and producing chromium oxide, renders claim 36 patentable and it should be allowed.

Claim 37 is merely for a composition of matter for the treatment of coal, comprising calcium chloride and materials which form a protective coating for the chloride, when the same is coated upon the coal. This claim is clearly unpatentable over Nock in view of Esselen et al., or over Komarek alone.

Claim 55 does not specifically embrace more than one catalyst and provides for a binder in general terms. It is clearly met by Nock in view of either Esselen et al. or Komarek.

[2] For the reasons stated herein, the decision of the Board of Appeals is reversed as to claims 34, 35, and 36, and in all other respects is affirmed.

Modified.

Patent Suits

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1,681,805. (See Re. 20,008.) 1,725,349. (See Re. 20,008.)

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Re. 19,722. (See Re. 20,008.)

Re. 19,822. (See Re. 20,008.)

Re. 20,008 (of Re. 19,822, and 1,681,805), E. F. Hauserman et al., Wall structure; Re. 19,722 (of Re. 17,547, 1,725,349), same, Wall support structure; 1,660,646, Re. 17,440, same, Metal partition; 1,842,094, same, Metallic wall structure; 1,773,704, J. A. Bohnsack, Adjustable plinth block; 1,842,144, same, Panel unit connecting clip; 1,842,308, same, Joints between metallic building units; 1,803,589, same, Adjustable abutment mould, D. C., N. D. Ohio, E. Div., Doc. 4105, *The E. F. Hauserman Co.* v. *The United Metal Products Co.* Consent decree holding patents 1,681,805; 1,773,704; 1,803,589, 1,842,094; 1,842,144; 1,842,308, Re. 17,440 and 17,547 held valid and infringed, injunction granted Dec. 1, 1936.

Re. 20,133, 1,993,173, P. G. Kuyper, Venetian blind construction; Des. 98,260, same, Combined Venetian blind and housing therefor; 2,058,159, same, Venetian blind structure, filed Nov. 23, 1936, D. C., E. D. N. Y., Doc. E 8170, *Rolscreen Co.* v. *F. Weissfeld et al.* Same, filed Nov. 24, 1936, D. C., E. D. N. Y., Doc. E 8171, *Rolscreen Co.* v. *S. Gottbetter et al.*

Des. 86,531, J. C. Marsellus, Burial casket, filed Nov. 23, 1936, D. C., E. D. Pa., Doc. 9595, *Marsellus Casket Co., Inc.*, v. *Boyertown Burial Casket Co.*

Des. 87,671. (See 1,761,735.)

Des. 98,260. (See Re. 20,133.)

Des. 98,722, M. R. Hamre, Printed textile fabric, filed Nov. 30, 1936, D. C., S. D. N. Y., Doc. E 84/184, *Chas. Bloom, Inc.*, v. *Jos. W. Woods Co., Inc.*

Des. 101,509, W. G. Steinman, Dress, D. C., S. D. N. Y., Doc. E 84/114, *W. Steinman, Inc.*, v. *S. & M. Litt, Inc.* Consent decree for plaintiff (notice Nov. 28, 1936).

Des. 101,894, W. Steinman, Dress ensemble, filed Nov. 25, 1936, D. C., S. D. N. Y., Doc. E 84/179, *W. Steinman, Inc.*, v. *Waltztime Dance Frocks, Inc.*

Des. 102,010, W. Steinman, Dress, filed Nov. 25, 1936, D. C., S. D. N. Y., Doc. E 84/180, *W. Steinman, Inc.*, v. *F. Perlberg, Inc.*

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 19, 1937

[VOL. 474. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 384,636. WEBWOOD CORPORATION, New York, N. Y. Filed Oct. 21, 1936.



The words "Synthetic Wood Products" are disclaimed apart from the mark as shown.

For Plastic Wood Products—Namely, to be Used as Malleable Wood.

Claims use since July 27, 1936.

Ser. No. 385,288. FROSTED WOOL PROCESS COMPANY, Los Angeles, Calif. Filed Nov. 9, 1936.



The word "Wool" is claimed only in the association shown.

For Cleaned or Partly Cleaned or Processed or Partly Processed, Fleeced or Pulled Wools.

Claims use since Sept. 14, 1936.

Ser. No. 385,855. H. MUEHLSTEIN & CO. INC., New York, N. Y. Filed Nov. 21, 1936.

ESSAR

For Crude Rubber.

Claims use since July 27, 1934.

Ser. No. 385,969. CAROLINA PYROPHYLLITE COMPANY, New York, N. Y. Filed Nov. 25, 1936.

CAPYCO

For Pyrophyllite.

Claims use since Oct. 23, 1936.

CLASS 2

Receptacles

Ser. No. 386,355. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

SHUBALL

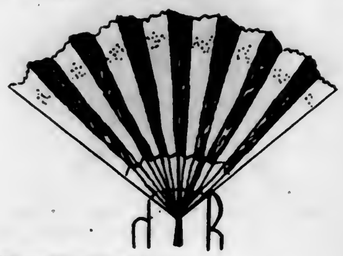
For Bags for Bowling Balls.

Claims use since Nov. 1, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 385,992. HARRY ROSENFELD, INC., New York, N. Y. Filed Nov. 25, 1936.



For Women's Handbags.

Claims use since July 15, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 382,106. MARSENA N. WELDON, Los Angeles, Calif. Filed Aug. 12, 1936.

KALVELAX

For Laxative Tablets.
Claims use since Jun. 1, 1936.

Ser. No. 382,922. WILLIAM MCCLENAGHAN, New York, N. Y. Filed Sept. 4, 1936.

BEAUTY SLEEP

For Combination of a Facial Cream and Mask.
Claims use since Aug. 31, 1936.

Ser. No. 383,191. LANDON B. COLLINS, doing business as Al-Ser-Col Sales, Oakland, Calif. Filed Sept. 11, 1936.

AL-SER-COL

For Medicine for Relief of Pain, Simple Headaches, Neuralgia, Head Colds, and Muscular Aches and Pains.
Claims use since July 1, 1935.

Ser. No. 383,760. MAYOR WALNUT HAIR DYE CO., INC., Kansas City, Mo. Filed Sept. 28, 1936.

MAYOR'S
Walnut Juice



The words "Walnut Juice" are disclaimed apart from the mark shown. The portrait is that of Henry A. Mayor, deceased.
For Hair Dye.
Claims use since Sept. 1, 1935.

Ser. No. 384,709. MATHILDE G. KLING, doing business as Nic-Off Company, Chicago, Ill. Filed Oct. 26, 1936.

NIC-OFF

For Stain Removing Cream.
Claims use since Apr. 1, 1936.

Ser. No. 385,688. DOUGLASS & CEFARATTI, Darby, Pa. Filed Nov. 18, 1936.



Sagamore

For Hair Tonic.
Claims use since Aug. 25, 1936.

Ser. No. 385,727. DAVIS & LAWRENCE CO., New York, N. Y. Filed Nov. 19, 1936.

DELCOLINE

For Dressing for Slight Wounds and Cuts, Deodorant, Mouth Wash, and Gargle.
Claims use since July, 1917.

Ser. No. 385,813. STERLING PRODUCTS COMPANY, Easton, Pa. Filed Nov. 20, 1936.

Erustocide

For Laundry Sour with Antiseptic and Germicidal Qualities.
Claims use since Nov. 5, 1936.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 385,292. ALBERT JACOBSON, New York, N. Y. Filed Nov. 9, 1936.

Sek

For Tobacco Smoking Implements—Namely, Tobacco Smoking Pipes, Cigar Holders, Cigarette Holders, Filter Cartridges for Tobacco Smoking Pipes, Filter Cartridges for Cigarette Holders, Filter Cartridges for Cigar Holders, and for Tobacco Pouches.
Claims use since Apr. 17, 1929.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 357,343. NORBEY'S PRODUCTS INC., New York, N. Y. Filed Oct. 20, 1934.

Little Chef

For Base Metal Asparagus Cookers.
Claims use since Feb. 22, 1933.

Ser. No. 383,246. PAPER FINISHING CO., Chicago, Ill. Filed Sept. 14, 1936.

UNIVERSAL

For Holding Clips for Tree Light Sockets.
Claims use since July, 1936.

Ser. No. 384,406. CHAIN BELT COMPANY, Milwaukee, Wis. Filed Oct. 16, 1936.

REX

For Sprocket, Drive, Conveyor, and Power Transmission Chains.
Claims use since September, 1931.

Ser. No. 384,589. THE HOPP PRESS, INC., New York, N. Y. Filed Oct. 20, 1936.

Bako

For Metal Price Card Holding Strips for Shelving.
Claims use since Oct. 13, 1936.

Ser. No. 385,149. PARK-SHERMAN CO., Chicago, Ill. Filed Nov. 4, 1936.

THE MERRY-GO-ROUND

For Liquid Containers and Dispensers Consisting of Combined Decanter, Decanter Neck Dispensing Pump, Decanter Borne Tray and Glasses.
Claims use since Sept. 1, 1936.

CLASS 15

Oils and Greases

Ser. No. 385,205. VALVOLINE OIL COMPANY, doing business as Penn Action Oil Company, Cincinnati, Ohio, New York, N. Y., and Warren, Pa. Filed Nov. 5, 1936.

PENN-ACTION

For Lubricating Oils and Greases.
Claims use since Aug. 27, 1936.

Ser. No. 385,682. BRAUN BROS. OIL CO., Winnetka, Ill. Filed Nov. 18, 1936.

Care-free

For Gasoline, Cylinder Oil, Axle Grease, Illuminating Oil, Lubricating Oil, Machine Oil, and Refined Petroleum.
Claims use since July 1, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 379,753. F. A. LIFTER, doing business as Florian Products Company, Newark, N. J. Filed June 15, 1936.

TUNG-TONE FINISH

The word "Finish" is disclaimed apart from the mark as shown.
For Paint Finish, Ready Mixed Paints, Paint Enamel, and Varnishes.
Claims use since May 15, 1936.

CLASS 17

Tobacco Products

Ser. No. 385,794. LA YEBANA COMPANY, INC., Sampaloc, Manila, P. I. Filed Nov. 20, 1936.

LAS PALMAS

For Cigars and Cigarettes.
Claims use since Feb. 20, 1925.

Ser. No. 385,795. LA YEBANA COMPANY, INC., Sampaloc, Manila, P. I. Filed Nov. 20, 1936.

LA YEBANA

For Cigars and Cigarettes.
Claims use since Sept. 30, 1903.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 378,873. THE AUSTIN MOTOR COMPANY, LIMITED, Northfield, Birmingham, England. Filed May 26, 1936.



For Motor Vehicles—Namely, Automobiles, Lorries, Commercial Motor Vehicles and Tractor Trucks.
Claims use since Sept. 10, 1906.

Ser. No. 379,179. BENTLEY MOTORS (1931) LIMITED, London, England. Filed June 2, 1936.



For Automobile and Chassis Thereof.
Claims use since 1919.

Ser. No. 384,832. YORK-HOOVER BODY CORPORATION, York, Pa. Filed Oct. 26, 1936.

SUN-CHASR

For Trailers.
Claims use since Aug. 29, 1936.

Ser. No. 385,066. SILVER DOME, INCORPORATED, Detroit, Mich. Filed Nov. 2, 1936.

Silvec Dome

For Trailer Coaches.
Claims use since May 1, 1932.

Ser. No. 385,381. THE MURRAY-OHIO MANUFACTURING CO., Cleveland, Ohio. Filed Nov. 12, 1936.

MERCURY

For Bicycles.
Claims use since Aug. 6, 1936.

CLASS 21

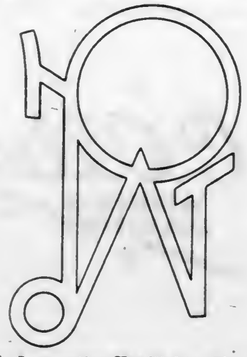
Electrical Apparatus, Machines, and Supplies

Ser. No. 382,677. RADIO ELECTRIC SERVICE, Saginaw, Mich. Filed Aug. 28, 1936.

MAGIC ROD CAR AERIAL

The words "Rod" and "Car Aerial" are disclaimed except as shown.
For Radio Aerials.
Claims use since June 16, 1936.

Ser. No. 383,138. THE PYLE-NATIONAL COMPANY, Chicago, Ill. Filed Sept. 11, 1936.



For Electric Locomotive Headlights, Electric Lights and Lighting Equipment and Housings and Supports Therefor, Electric Motors and Generators, Turbo-Generators, and Housing and Containing Mechanisms and Electric Wiring Switches, Supports and Controlling Devices—Namely, Switches and Relays.
Claims use since Feb. 1, 1916.

Ser. No. 384,795. HEINTZ & KAUFMAN, LTD., San Francisco, Calif. Filed Oct. 26, 1936.



For Radio Transmitters and Receivers and Parts Therefor, Coupled Prime Mover Electric Generator Units, Electric Motors, Radio Antenna Reels, Electric Generators, and Thermionic Tubes.
Claims use since 1927.

Ser. No. 386,003. THE WIREMOLD COMPANY, West Hartford, Conn. Filed Nov. 25, 1936.

PANCAKE

For Overfloor Raceway for Telephone and Buzzer Wires and for Electric Power and Light Wires.
Claims use since Mar. 17, 1936.

Ser. No. 386,099. CONTINENTAL CARBON INC., Cleveland, Ohio. Filed Nov. 30, 1936.

FILTERNOYS

For Electrical Capacitors, Reactors, or Combinations of Capacitors and Reactors.
Claims use since Nov. 4, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 373,261. MYERS & LINDQUIST, St. Paul, Minn. Filed Jan. 2, 1936.

BABY PINN

For Dolls.
Claims use since July 15, 1935.

Ser. No. 378,011. WALGREEN CO., Chicago, Ill. Filed May 4, 1936.



GOLDEN CROWN

For Tennis Racquets and Tennis Balls.
Claims use since Apr. 29, 1935, on tennis racquets, and since Apr. 14, 1936, on tennis balls.

Ser. No. 384,673. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Oct. 22, 1936.

ONE BETTER

For Coin-Controlled Amusement Apparatus.
Claims use since Sept. 15, 1936.

Ser. No. 386,345. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

"HI-RUN"

For Billiard Cues.
Claims use since Oct. 15, 1936.

Ser. No. 386,346. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

IRONFLEX

For Bowling Alley Pit Mats.
Claims use since July 1, 1936.

Ser. No. 386,358. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

20TH. CENTURY

For Billiard Tables.
Claims use since Oct. 15, 1936.

Ser. No. 386,446. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Dec. 7, 1936.

MAGIC PINS

For Coin-Controlled Amusement Apparatus.
Claims use since Oct. 14, 1936.

Ser. No. 386,447. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Dec. 7, 1936.

Globe Trotter

For Coin-Controlled Amusement Apparatus.
Claims use since Oct. 14, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 383,792. J. H. WILLIAMS & CO., Buffalo, N. Y. Filed Sept. 29, 1936.

SUPER CHAIN

The word "Chain" is disclaimed other than as a part of the mark shown.
For Chains for Tongs and Pipe Vises.
Claims use since Sept. 3, 1936.

Ser. No. 384,533. THE HARRIMAN MANUFACTURING COMPANY, Harriman, Tenn. Filed Oct. 19, 1936.



For Agricultural Implements—Namely Cultivators, Plows, Plow Repair Parts, Plow Stocks, Plow and Cultivator Handles, Fertilizer Distributors, Harrows, Trees, and Plow Shapes.
Claims use since 1917.

Ser. No. 384,822. STILES-BARRETT CORPORATION, St. Louis, Mo. Filed Oct. 26, 1936.

BRAKE-DOKTER

The word "Brake" apart from the mark shown is disclaimed.
For Brake Lining Grinders.
Claims use since June 1, 1936.

Ser. No. 385,917. WEBSTER MANUFACTURING CO., Colfax, La. Filed Nov. 23, 1936.

"V-V"

For Gasoline Heater Attachment for Carburetors Commonly Known as Distillate Power Utilizer.
Claims use since Oct. 27, 1936.

Ser. No. 385,943. HENRY F. SAMSTAG, New York, N. Y. Filed Nov. 24, 1936.

TRUE ROMANCES

For Single and/or Double Edge Safety Razor Blades.
Claims use since Nov. 21, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 373,550. ALLEN CALCULATORS, INCORPORATED, New York, N. Y. Filed Jan. 11, 1936.

R. C. Allen ADDING MACHINE

The words "Adding Machine" are disclaimed apart from the mark as shown.
The "R. C. Allen" forming a part of the mark is the signature of Ralph C. Allen, president of Allen Calculators, the applicant herein.
For Adding Machines and Calculators.
Claims use since Oct. 4, 1934.

Ser. No. 382,618. BECK & WALL, INC., Cleveland, Ohio, assignors to The Aetna Casualty and Surety Company, Hartford, Conn. Filed Aug. 27, 1936.

REACTOMETER

For Device to Measure the Time Taken by Automobile Drivers to Respond (1) Mentally and (2) Physically to Evidence of Imminent Personal Peril, Denoted Visually by the Flashing of a Danger Light Signal, the Whole Constituting the "Reaction-Time" of an Individual Driver.
Claims use since February, 1935.

Ser. No. 384,764. SIMPSON OPTICAL MANUFACTURING CO., Chicago, Ill. Filed Oct. 24, 1936.

SOMCO

The representation of a lens with light refraction indicated by straight lines is disclaimed apart from the mark as shown.
For Microscopes, Optical, Microscopic, Camera and Projector Lenses, Prisms, and Refractors.
Claims use since Sept. 30, 1936.

Ser. No. 384,781. BELGARD-SPERO, INC., Chicago, Ill. Filed Oct. 26, 1936.

The House of Vision

For Eye Glasses, Spectacle Forms, Mountings, Temples, and Optical Fittings.
Claims use since Apr. 1, 1934.

Ser. No. 385,229. LUGENE, INC., New York, N. Y. Filed Nov. 6, 1936.

"PENCIL SPECTACLE"

The word "Spectacle" apart from the mark as a whole is disclaimed.
For Spectacles and Spectacle Frames.
Claims use since Apr. 1, 1936.

CLASS 27

Horological Instruments

Ser. No. 385,806. SAVOY WATCH CO. INC., New York, N. Y. Filed Nov. 20, 1936.

WEST POINTER WATCHES

The word "Watches" apart from the mark as shown is disclaimed.
For Gold, Silver, and Platinum Watches.
Claims use since May 12, 1916.

Ser. No. 386,010. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Nov. 27, 1936.

HEIRLOOM

For Watches—Namely, Wrist or Strap Watches.
Claims use since Oct. 1, 1935.

Ser. No. 386,011. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Nov. 27, 1936.

SOLITAIRE

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 1, 1935.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 386,344. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

"GUTTER PUP" Eats Dirt

For Mops for Bowling Alleys.
Claims use since Aug. 15, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 359,623. KLEEN-HEET, INC., doing business as Heat-King Oil Burner Co., Chicago, Ill. Filed Dec. 24, 1934.

HEAT-KING

The outline of the name-plate is disclaimed.
For Fuel-Oil Burners.
Claims use since Nov. 15, 1927.

Ser. No. 383,696. AMERICAN TUBE WORKS, INC., New York, N. Y. Filed Sept. 26, 1936. Under 10-year proviso.



For Brass and Copper Boiler Tubes, Condenser Tubes, Heaters, and Evaporators in Straight Lengths or Coils.
Claims use since Jan. 1, 1871.

Ser. No. 384,200. DETROIT INCINERATOR COMPANY, Detroit, Mich. Filed Oct. 10, 1936.

FULMENATOR

For Incinerators.
Claims use since May 25, 1936.

Ser. No. 385,104. MATTESON AIR COOLER CO., Boise, Idaho. Filed Nov. 3, 1936.

VIGOR-AIR

For Air Humidifying and Cooling Machines.
Claims use since July 1, 1935.

Ser. No. 385,252. ALFRED DUNHILL LIMITED, London, England. Filed Nov. 7, 1936.

BROADBOY

For Pyrophoric Lighters.
Claims use since 1934.

Ser. No. 385,253. ALFRED DUNHILL LIMITED, London, England. Filed Nov. 7, 1936.

TALLBOY

For Pyrophoric Lighters.
Claims use since 1934.

CLASS 36

Musical Instruments and Supplies

Ser. No. 385,325. AL ZIFFERBLATT, doing business as The Trump Company, New York, N. Y. Filed Nov. 6, 1936.

glitterite TRUMP

For Mouthpieces for Musical Instruments.
Claims use since Apr. 6, 1936.

CLASS 37

Paper and Stationery

Ser. No. 379,772. GEORGE W. SCHILDGE, doing business as George W. Schildge Paper Co., Chicago, Ill. Filed June 15, 1936.

PUR-PAK

Any descriptive or generic significance for the word "Pur-Pak" or its individual syllables is disclaimed apart from their combination in the mark shown.
For Toilet Paper.
Claims use since 1935.

Ser. No. 385,821. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Nov. 23, 1936.

NORPAC

For Toilet (Tissue) Paper.
Claims use since Jan. 29, 1934.

Ser. No. 385,823. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Nov. 23, 1936.

SOFPAC

For Toilet (Tissue) Paper.
Claims use since Jan. 18, 1934.

Ser. No. 385,824. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Nov. 23, 1936.

STERILIN

For Toilet (Tissue) Paper.
Claims use since Aug. 13, 1936.

Ser. No. 385,919. WILSON-JONES COMPANY, Chicago, Ill. Filed Nov. 23, 1936.

REX

For Punching Machines as Office Appliances for Perforating Sheets.
Claims use since May, 1915.

Ser. No. 385,977. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Nov. 25, 1936.

EATON'S Highland LINEN

The word "Linen" is disclaimed apart from the mark shown.
For Stationery Consisting of Writing Paper in the Form of Pound Goods as Well as Ream Goods, Envelopes, and Papeteries.
Claims use since June 4, 1936.

Ser. No. 385,978. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Nov. 25, 1936.

Prinscript

For Stationery Consisting of Writing Paper in the Form of Pound Goods as Well as Ream Goods, Envelopes, and Papeteries.
Claims use since Nov. 2, 1936.

Ser. No. 385,982. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 25, 1936.

LARAY

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Oct. 23, 1936.

Ser. No. 385,983. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 25, 1936.

JERZETS

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Oct. 23, 1936.

Ser. No. 386,027. W. T. GRANT COMPANY, New York, N. Y. Filed Nov. 27, 1936.

Lynerest

For Cleansing Tissues.
Claims use since Sept. 1, 1936.

Ser. No. 386,060. WILSON-JONES COMPANY, Chicago, Ill. Filed Nov. 27, 1936.

EAGLE

For Loose Leaf Binders.
Claims use since Nov. 23, 1934.

Ser. No. 386,106. GAYLORD BROS., INC., Syracuse, N. Y. Filed Nov. 30, 1936.

Gaylamount

For Binders for Pamphlets and the Like, and More Especially Binders Composed of Relatively Stiff Front and Back Parts Hingedly Connected Together at One Edge and Provided with Means for Attaching the Same to Pamphlets or Sheaves of Paper and the Like.
Claims use since Nov. 27, 1936.

Ser. No. 386,109. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 30, 1936.

VARSITY

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Nov. 14, 1936.

Ser. No. 386,110. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 30, 1936.

GEORGIAN

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Nov. 14, 1936.

Ser. No. 386,111. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 30, 1936.

LADYSHIP

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Nov. 14, 1936.

Ser. No. 386,112. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 30, 1936.

ZENITH

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Nov. 14, 1936.

CLASS 38

Prints and Publications

Ser. No. 383,991. EDUCATIONAL CARAVANS, INC., Buffalo, N. Y. Filed Oct. 5, 1936.

EDUCATIONAL CARAVANS, INC.

For Weekly Periodical of Particular Interest to School Children and Teachers.
Claims use since Sept. 26, 1936.

Ser. No. 385,087. BERNARD J. S. CAHILL, Alameda, Calif. Filed Nov. 3, 1936.

BUTTERFLY

For Maps.
Claims use since 1915.

Ser. No. 385,445. MURRY M. MILLER, doing business as Movie-Goer Publishing Co., New York, N. Y. Filed Nov. 12, 1936.

Movie-Goer

For Monthly Publications Covering the Activities of Motion Picture Celebrities and the Critics' Notes on the Latest Motion Picture Films.
Claims use since Aug. 1, 1936.

Ser. No. 385,632. THE JOURNEYMEN BARBERS' INTERNATIONAL UNION OF AMERICA, Indianapolis, Ind. Filed Nov. 17, 1936.

The Journeyman Barber Hairdresser and Cosmetologist

For Periodical at Present Issued Monthly.
Claims use since Sept. 1, 1936.

CLASS 39

Clothing

Ser. No. 371,377. WOODWARD & LOTHROP, Washington, D. C. Filed Nov. 8, 1935.

Woodleigh

For Women's, Girls', and Misses' Undergarments and Clothing—Namely, Dresses, Tailored Suits, Riding Suits, Knicker Suits, Outer Skirts, Coats, Corsets, Brassières, Shirt Waists, Middies, Hats, Caps, Bath Robes, Negligees, Lounging Robes, Petticoats, Costume Slips, Bloomers, Chemises, Nightgowns, Underwear, Gloves, Handkerchiefs, Scarfs, and Guimpes Made Out of Textile Material, and Dresses, Tailored Suits, Riding Suits, Knicker Suits, Outer Skirts, Coats, Shirt Waists, Middies, Hats, Caps, Bathing Suits, Petticoats, Costume Slips, Bath Robes, Lounging Robes, Negligees, Bloomers, Nightgowns, Chemises, Underwear, Sweaters, Hosiery, and Scarfs Made Out of Knitted Material, and Women's and Girls' Shoes, Boots, Slippers, Leggings, Puttles Made Out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Materials, and Women's and Girls' Gloves Made Out of Leather.
Claims use since Oct. 26, 1935.

Ser. No. 378,748. GOLDRING MERCHANDISING CORPORATION, New York, N. Y. Filed May 22, 1936.

Brentley

For Women's Dresses, Coats, Suits.
Claims use since Sept. 7, 1933.

Ser. No. 380,712. MARSHALL STEEL COMPANY, Oakland, Calif. Filed July 7, 1936.

"SHAPERIZING"

For Men's, Women's, and Children's Hats.
Claims use since Apr. 14, 1936.

Ser. No. 383,535. LE ROI HOSIERY CO. INC., New York, N. Y. Filed Sept. 23, 1936.

SUPER-KNIT

The word "Knit" is disclaimed apart from the mark as shown.
For Hosiery.
Claims use since Sept. 2, 1936.

Ser. No. 383,882. GERALD D. GROSNER, doing business as Grosner's, Grosner of 1325 F St., and Grosner of Washington, Washington, D. C. Filed Oct. 2, 1936.



For Men's Overcoats, Topcoats, and Suits, Underwear, Dress, Negligee, and Work Shirts, Neckties, Pajamas, House Robes, Mufflers, Sweaters, Leather Jackets, Raincoats, Lounge Coats, and Hats.
Claims use since Mar. 1, 1934.

Ser. No. 383,932. RICHARD B. MCCARTHY, Swampscott, Mass. Filed Oct. 3, 1936.



No claim is made to the representation of a shoe and the expression "Natural Arch" except as part of the trademark.
For Shoes of Leather, Fabric, and Combinations Thereof, for Men, Women, Girls, Boys, and Children.
Claims use since Oct. 1, 1933.

Ser. No. 384,216. M. MERLIER, INC., New York, N. Y. Filed Oct. 10, 1936.

VICTRIX

For Leather and Fabric Gloves.
Claims use since Oct. 1, 1936.

Ser. No. 384,381. LION SHOE CO., INC., New York, N. Y. Filed Oct. 15, 1936.



The words "Scientific Tred" are disclaimed apart from the mark as shown.
For Shoes and Slippers for Men, Women, and Children, Made of Leather, Fabric, and Combinations Thereof.
Claims use since June 1, 1936.

Ser. No. 384,771. RUTH STUART WHEELER, doing business as The Children's House, Boston, Mass. Filed Oct. 24, 1936.

The Playful Pleat

The word "Pleat" apart from the mark as shown is disclaimed.
For Wearing Apparel for Boys and Girls—Namely, Outer Waists, Pants, Nightgowns, Pajamas, Bloomers, Underwear, Hats, Dresses, Suits, and Jackets.
Claims use since Oct. 20, 1936.

Ser. No. 385,175. DORIS HAYES CAVANAUGH, doing business as Doris Hayes, Boston, Mass. Filed Nov. 5, 1936.

Faveur

For Women's Outer Apparel—Namely, Suits, Dresses, Frocks, Skirts, Coats, Blouses, Jackets, Sweaters, and Hats.
Claims use since June, 1933.

Ser. No. 385,431. ACME GLOVE CORPORATION, Gloversville, N. Y. Filed Nov. 12, 1936.

Flamello

For Gloves of Leather, Fabric, and/or Combinations of the Same.
Claims use since November, 1935.

Ser. No. 385,485. MAYER-STERN, INCORPORATED, Allentown, Pa. Filed Nov. 13, 1936.



The term "Wet Pruf" is disclaimed apart from the mark.
For Men's and Women's Polo and Sport Shirts, and Women's Blouses Composed of Rayon, or Cotton, or Combinations Thereof.
Claims use since Oct. 21, 1936.

Ser. No. 385,800. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Nov. 20, 1936.

Glamalure

For Women's Wearing Apparel—Namely, Coats and Suits.
Claims use since Nov. 6, 1936.

Ser. No. 385,807. SCHINDLER & COMPANY, New York, N. Y. Filed Nov. 20, 1936.



TAILORED THE Better WAY

The words "Tailored The Better Way" are disclaimed apart from the mark shown. The picture is fanciful.
For Men's and Boys' Underwear.
Claims use since Sept. 15, 1936.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 384,650. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Filed Oct. 22, 1936.

WEAVEEN

For Braid or Lacing.
Claims use since November, 1935.

Ser. No. 385,053. ROSS MCCRAY MCFADDEN, doing business as Hollywood Rapid Dry Curler, Los Angeles, Calif. Filed Nov. 2, 1936.

Crown o' Curls

For Non-Electrical Hair Curler.
Claims use since Oct. 3, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 382,489. WM. A. ROTHHOLZ CO. INC., New York, N. Y. Filed Aug. 22, 1936.



For Linen, Cotton, and Woolen Goods in the Piece and Combinations Thereof.
Claims use since July 30, 1936.

Ser. No. 384,090. G. & G. KYNOCH, LTD., London, England. Filed Oct. 7, 1936.



The words "Keith-Scotland" are disclaimed apart from the mark as shown.
For Woollen Rugs for Personal Use.
Claims use since September, 1932.

Ser. No. 384,091. G. & G. KYNOCH, LTD., London, England. Filed Oct. 7, 1936.



The word "Cloths" and "Keith-Scotland" are disclaimed apart from the mark.
For Woollen Piece Goods.
Claims use since 1930.

Ser. No. 385,032. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y. Filed Nov. 2, 1936.

VELVELON

For Flannelette of Cotton, Rayon and Cotton, Cotton and Wool, and Wool, in the Piece.
Claims use since Oct. 22, 1936.

Ser. No. 385,033. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y. Filed Nov. 2, 1936.

VELVANETTE

For Flannelette of Cotton, Rayon and Cotton, Cotton and Wool, and Wool, in the Piece.
Claims use since Oct. 22, 1936.

Ser. No. 385,034. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y. Filed Nov. 2, 1936.

VELVELETTE

For Flannelette of Cotton, Rayon and Cotton, Cotton and Wool, and Wool, in the Piece.
Claims use since Oct. 22, 1936.

Ser. No. 385,690. J. B. IVEY & COMPANY, Charlotte, N. C. Filed Nov. 18, 1936.

PRIDE OF THE SOUTH

For Sheets, Pillow Cases, Towels, and Blankets.
Claims use since 1931.

Ser. No. 385,717. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Nov. 19, 1936.

air-lite

For Cotton and Rayon Piece Goods Suitable for Shirts, Pyjamas, Nightgowns, and Underwear.
Claims use since Nov. 10, 1936.

Ser. No. 385,747. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 19, 1936.

Hometown

For Cotton Piece Goods.
Claims use since Oct. 17, 1933.

Ser. No. 385,777. COHN-HALL-MARX CO., New York, N. Y. Filed Nov. 20, 1936.

4-5-6
Pick-up-sticks

For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since Nov. 2, 1936.

CLASS 43

Thread and Yarn

Ser. No. 385,256. EASTMAN KODAK COMPANY, doing business as The Tennessee Eastman Corporation, Rochester, N. Y., and Kingsport, Tenn. Filed Nov. 7, 1936. Under section 5b of the act of 1905 as amended in 1920.

EASTMAN ACETATE YARN

The words "Acetate Yarn" are disclaimed apart from the mark as shown.
For Artificial Silk Thread and Yarn.
Claims use since May 7, 1931.

Ser. No. 385,639. PATONS & BALDWINS, INC., Newark, N. J. Filed Nov. 17, 1936.

WHITE HEATHER

For Thread and Yarn.
Claims use since Sept. 8, 1936.

Ser. No. 385,640. PATONS & BALDWINS, INC., Newark, N. J. Filed Nov. 17, 1936.



For Thread and Yarn.
Claims use since Sept. 8, 1936.

Ser. No. 385,641. PATONS & BALDWINS, INC., Newark, N. J. Filed Nov. 17, 1936.

LADY BETTY

For Thread and Yarn.
Claims use since Sept. 10, 1936.

Ser. No. 385,642. PATONS & BALDWINS, INC., Newark, N. J. Filed Nov. 17, 1936.

PAGODA

For Thread and Yarn.
Claims use since Sept. 12, 1936.

Ser. No. 385,643. PATONS & BALDWINS, INC., Newark, N. J. Filed Nov. 17, 1936.

PATONA

For Thread and Yarn.
Claims use since Sept. 10, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 383,840. E. FREDERICS, INC., New York, N. Y. Filed Oct. 1, 1936.

Airflo

For Hair Drying Apparatus.
Claims use since Sept. 29, 1936.

Ser. No. 385,186. JOHN ANDREW KIRK, Detroit, Mich. Filed Nov. 5, 1936.

FEMI-CARE

For General Medical and Surgical Appliances—Namely, Vaginal Medical Applicators, Vaginal Irrigating Devices and Their Accessories, Douche Pipes, Hot Water Bottles, Fountain Syringes, and Containers for Medical and Surgical Appliances.
Claims use since Aug. 1, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 380,852. JOHN H. WALTERS, doing business as Home Products Company, Kansas City, Mo. Filed July 9, 1936.

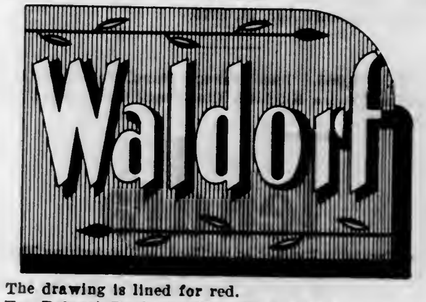
PONY-POP

For Concentrated Beverage Powder for Use in Making Non-Alcoholic, Maltless Drinks.
Claims use since Apr. 15, 1935.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 372,398. DAVIDSON BISCUIT COMPANY, Mount Vernon, Ill. Filed Dec. 9, 1935.



The drawing is lined for red.
For Bakers' Products—Namely, Crackers.
Claims use since June, 1935.

Ser. No. 372,533. TIEN CHU VE-TSIN MANUFACTURING CO., Shanghai, China. Filed Dec. 11, 1935.



The English translation of the words Ve-Tsin and the Chinese characters thereabove are not susceptible of any exact translation but may be taken as suggestive of the English expression "Taste Essence".
For Food Flavoring Compound.
Claims use since June, 1923.

Ser. No. 372,875. HARBOR PICKLE CO., Long Beach, Calif. Filed Dec. 20, 1935.

HIPAK

For Pickles and Relishes—Namely, Sweet Dill Pickles, Sweet Mixed Pickles, Sweet Mustard Pickles, Southern Hots, Mexican Hot, Chili Encurtidos, Pickled Onions, Chow Chow, and Sweet Relish.
Claims use since Nov. 30, 1935.

Ser. No. 374,020. PRATT-MALLORY COMPANY, Sioux City, Iowa. Filed Jan. 23, 1936.

THE NORTH-WESTERN BRAND

Applicant is the owner of registration No. 39,236, dated Nov. 11, 1902 (renewed). The word "Brand" is disclaimed apart from the mark shown.
For Wheat Flour.
Claims use since Apr. 21, 1915.

Ser. No. 376,065. THE PERFECT MFG. CO., doing business as Tendra Kitchens, Cincinnati, Ohio. Filed Mar. 16, 1936.

Tendra

For Vegetable Extract to be Used for Tenderizing Meats.
Claims use since January, 1936.

Ser. No. 378,318. DALLAS B. LEWIS, doing business as California Cracker Company, Los Angeles, Calif. Filed May 11, 1936.

CHEEZ'O

The word "Cheez" is disclaimed apart from the mark as shown.
For Cheese Crackers.
Claims use since Apr. 1, 1936.

Ser. No. 379,910. C. THOMAS STORES SALES SYSTEM, INC., Minneapolis, Minn. Filed June 18, 1936.

KITCHEN TREAT

For Sandwich Relish, Mayonnaise, Salad Dressing, 1000 Island Dressing, and French Dressing.
Claims use since Apr. 14, 1936.

Ser. No. 382,778. S. J. VALK & SON, New York, N. Y. Filed Aug. 31, 1936.



The representation of the label apart from the mark as shown is disclaimed. The portrait is fanciful.
For Olives, Olive Oil, and Bottled Cherries.
Claims use since Aug. 12, 1936.

Ser. No. 383,134. LEWIS-MARTIN AND COMPANY, Newark, N. J. Filed Sept. 11, 1936.

"Glo"

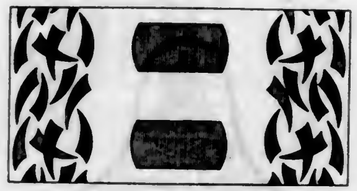
For Flavoring Extracts for Food Purposes, Flavoring Emulsions for Food Flavoring Purposes, Binders and Stabilizers for Use in the Manufacture of Ice Cream, Sherbets, Water Ices, and Confections.
Claims use since Mar. 1, 1936.

Ser. No. 383,747. OREGON-WASHINGTON PEAR BUREAU, Seattle, Wash. Filed Sept. 28, 1936.



The words "Super Quality Pears" and the representation of the pear are disclaimed apart from the mark shown.
For Fresh Pears.
Claims use since Aug. 4, 1936.

Ser. No. 383,806. GATEWAY BAKING COMPANY, Fort Smith, Ark. Filed Sept. 30, 1936.



The representation of the wrapper is disclaimed apart from the mark.
For Bread.
Claims use since June 1, 1933.

Ser. No. 384,547. THE MOHICAN COMPANY, New York, N. Y. Filed Oct. 19, 1936.

ROYAL CHIEF

For Canned Vegetables.
Claims use since Oct. 1, 1936.

Ser. No. 385,453. SPRAGUE WARNER & COMPANY, Chicago, Ill. Filed Nov. 12, 1936.



CHIPPER

For Coffee.
Claims use since Oct. 24, 1936.

Ser. No. 385,570. THE ESMERALDA CANNING CO., Circleville, Ohio. Filed Nov. 16, 1936.

COUNTRY COLONEL

For Canned Vegetables.
Claims use since Nov. 6, 1936.

Ser. No. 385,630. NORMAN WEBB HUTCHINGS, doing business as Rice Sales Company, Mobile, Ala. Filed Nov. 17, 1936.



For Rice.
Claims use since Nov. 1, 1936.

Ser. No. 385,631. NORMAN WEBB HUTCHINGS, doing business as Rice Sales Company, Mobile, Ala. Filed Nov. 17, 1936.



For Rice.
Claims use since Nov. 1, 1936.

Ser. No. 385,759. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Nov. 19, 1936.

U BE SEE

For Wheat Flour.
Claims use since June 8, 1932.

Ser. No. 385,923. THE BORDEN COMPANY, New York, N. Y. Filed Nov. 24, 1936.

GOBBLES

For Popcorn Coated with Cheese Flavoring.
Claims use since Oct. 9, 1936.

CLASS 47

Wines

Ser. No. 382,526. ROMA WINE COMPANY, INC., Lodi, Calif. Filed Aug. 24, 1936.

Sunbaked

For Wines.
Claims use since Aug. 4, 1936.

Ser. No. 382,528. ROMA WINE COMPANY, INC., Lodi, Calif. Filed Aug. 24, 1936.

Solarized

For Wines.
Claims use since Aug. 4, 1936.

Ser. No. 382,529. ROMA WINE COMPANY, INC., Lodi, Calif. Filed Aug. 24, 1936.

Vitamized

For Wines.
Claims use since Aug. 4, 1936.

Ser. No. 384,416. FRIES & FRIES, INC., Cincinnati, Ohio. Filed Oct. 16, 1936.

F & F

For Alcoholic Wine Flavoring Compounds.
Claims use since Apr. 29, 1930.

CLASS 48

Malt Beverages and Liquors

Ser. No. 385,327. THE MARATHON CITY BREWING COMPANY, Marathon, Wis. Filed Nov. 9, 1936.

Little WILLY.

For Beer.
Claims use since Nov. 24, 1933.

CLASS 49

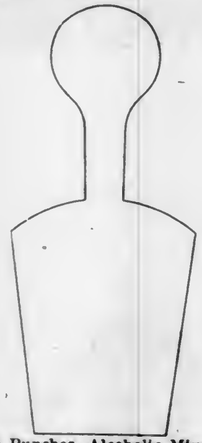
Distilled Alcoholic Liquors

Ser. No. 373,080. ROBERT MCNISH & CO. LTD., Glasgow, Scotland, and London, England. Filed Dec. 26, 1935.



The words "Scotch Whiskey", "Glasgow", and "London" are disclaimed apart from the mark shown.
For Scotch Whiskey.
Claims use since Sept. 30, 1929.

Ser. No. 384,120. THE TOM COLLINS CORPORATION, Covington, Ky. Filed Oct. 8, 1936.



For Alcoholic Punches, Alcoholic Mixed Drinks, Whiskey Highball, Gin Highball, Whiskey Sour, Gin Sour, Beverage Comprising Gin, Fruit Juice, and Charged Water.
Claims use since June 9, 1934.

Ser. No. 384,941. M. S. WALKER, INC., Boston, Mass. Filed Oct. 29, 1936.

Old Melody

GINCOLA

The term "Gincola" is disclaimed apart from the mark.
For Gin Liqueur.
Claims use since Oct. 23, 1936.

Ser. No. 385,628. GREEN MOUNTAIN DISTILLERY, INC., Burlington, Vt. Filed Nov. 17, 1936.

AMERIND

For Liqueurs and Cordials.
Claims use since Aug. 1, 1936.

Ser. No. 385,629. GREEN MOUNTAIN DISTILLERY, INC., Burlington, Vt. Filed Nov. 17, 1936.



For Liqueurs and Cordials.
Claims use since Aug. 1, 1936.

Ser. No. 385,935. NEW ENGLAND DISTILLERS, INCORPORATED, Clinton, Mass. Filed Nov. 24, 1936.

CREAM OF JAMAICA

For Rum.
Claims use since Nov. 18, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 384,597. PATEK & CO., San Francisco, Calif. Filed Oct. 20, 1936.

SPEEDTAGS

For Identification Markers Used in Dry Cleaning Trade.
Claims use since Sept. 14, 1936.

Ser. No. 385,426. SCHELTER LAST CO. INC., Rochester, N. Y. Filed Nov. 11, 1936.

RED HEAD

For Shoe Stretchers.
Claims use since Oct. 1, 1935.

ACT OF FEBRUARY 20, 1905 AS AMENDED JUNE 20, 1936

Ser. No. 383,650. THE SCOTTISH WOOLLEN TRADE MARK ASSOCIATION LIMITED, Edinburgh, Scotland. Filed Sept. 25, 1936. Under act of Feb. 20, 1905, as amended June 20, 1936.

TRADE MARK
SCOTTISH WOOLLEN
ASSOCIATION
LIMITED

The words "Trade Mark" are disclaimed except as shown.

For Cloths and Stuffs of Wool—Namely, Woollen Piece Goods and Blankets.
Claims use since Sept. 20, 1919.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 19, 1937

342,408. SHOES, PARTICULARLY FOR LADIES' AND MISSES' SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS OF THE SAME. WOHL SHOE COMPANY, St. Louis, Mo.
Filed July 17, 1936. Serial No. 381,145. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,409. DOG FOOD. ROBERT C. GRAHAM, doing business as Graham Farms, Washington, Ind.
Filed July 17, 1936. Serial No. 381,127. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,410. GIRDLES, CORSETS, BRASSIÈRES, AND FOUNDATION GARMENTS CONSISTING OF A COMBINATION OF GIRDLE AND BRASSIÈRE. POIRETTE CORSETS, INC., New York, N. Y.
Filed July 15, 1936. Serial No. 381,046. PUBLISHED OCTOBER 6, 1936. Class 39.

342,411. MAGAZINE FORMERLY PUBLISHED AT IRREGULAR INTERVALS BUT NOW PUBLISHED MONTHLY. JOSEPH HENRY KARP, doing business as Beautiful Hair & Beauty Counsel Publishing Co., New York, N. Y.
Filed July 15, 1936. Serial No. 381,033. PUBLISHED NOVEMBER 3, 1936. Class 38.

342,412. WOMEN'S, MISSES', AND CHILDREN'S ARTICLES OF CLOTHING—NAMELY, GLOVES, MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; HOSIERY, BELTS FOR OUTER WEAR, HATS, BATHING SUITS, LINGERIE—NAMELY, DANCE SETS WHICH CONSISTS OF A BRASSIÈRE AND PANTIES TO MATCH, LADIES' BLOOMERS, CHEMISES, NEGLIGEES, SLIPS, PETTICOATS, SHORTS, AND SHIRTS FOR UNDERWEAR, AND PANTIES. NAT LEWIS PURSES, INC., New York, N. Y.
Filed July 14, 1936. Serial No. 380,997. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,413. GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. THE NATIONAL GLOVE COMPANY, Columbus, Ohio.
Filed July 11, 1936. Serial No. 380,919. PUBLISHED OCTOBER 6, 1936. Class 39.

342,414. SHOES MADE OF LEATHER OR FABRIC OR A COMBINATION OF LEATHER AND FABRIC. SOMERSET SHOE COMPANY, Auburn, Maine.
Filed July 9, 1936. Serial No. 380,850. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,415. TOMATO JUICE. CARROON & COMPANY, Fowler, Ind.
Filed July 8, 1936. Serial No. 380,756. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,416. MATS FOR FACILITATING THE GROWTH OF PLANTS. HENRY C. AVERY, Philadelphia, Pa.
Filed July 8, 1936. Serial No. 380,743. PUBLISHED NOVEMBER 10, 1936. Class 50.

342,417. PERIODICAL PUBLICATIONS. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed July 7, 1936. Serial No. 380,733. PUBLISHED NOVEMBER 3, 1936. Class 38.

342,418. LADIES' DRESSES AND SMOCKS, UNIFORMS FOR WAITRESSES, MAIDS, AND NURSES, AND SLIPS; WOMEN'S AND MEN'S GYM SUITS, PAJAMAS, SHORTS IN THE NATURE OF UNDERWEAR, MEN'S OVERALLS, AND WORK-SHIRTS. PRESS BROTHERS DRESS CORPORATION, Hummelstown, Pa.
Filed July 6, 1936. Serial No. 380,661. PUBLISHED OCTOBER 6, 1936. Class 39.

342,419. METAL FOILS SOLD PLAIN, EMBOSSED, PREGUMMED OR ON BOARD. KELLER-DORIAN, PAPER CO., INC., New York, N. Y.
Filed July 6, 1936. Serial No. 380,645. PUBLISHED NOVEMBER 3, 1936. Class 14.

342,420. CHILDREN'S UNDERWEAR. BELLE KNITTING CORP., New York, N. Y.
Filed July 6, 1936. Serial No. 380,611. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,421. LEATHER SHOES, FABRIC SHOES, AND SHOES OF LEATHER AND FABRIC. AULT-WILLIAMSON SHOE CO., Auburn, Maine.
Filed July 6, 1936. Serial No. 380,609. PUBLISHED OCTOBER 6, 1936. Class 39.

342,422. COSMETICS, PARTICULARLY PERFUMES, FACE POWDERS, ROUGE, LIPSTICK, MASCARA, AND EYESHADOW. JOSEPH P. CARROLL, doing business as Ever There Lab., New York, N. Y.
Filed July 2, 1936. Serial No. 380,499. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,423. WINE. CHARLES SOMERS, doing business as St. Charles Winery, Grapeview, Wash.
Filed July 1, 1936. Serial No. 380,483. PUBLISHED NOVEMBER 10, 1936. Class 47.

342,424. PERFUMES, TOILET WATERS, COLOGNES, SACHETS, FACE POWDER, TALCUM POWDER. EDWARD J. FAY, doing business as De Raymond, New York, N. Y.
Filed July 1, 1936. Serial No. 380,474. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,425. ELECTRIC CURLING IRONS. THE BEARDSLEY & WOLCOTT MANUFACTURING COMPANY, Waterbury, Conn.
Filed June 29, 1936. Serial No. 380,431. PUBLISHED NOVEMBER 10, 1936. Class 21.

342,426. CELLULOSIC TRANSPARENT OR TRANSLUCENT WRAPPING AND PACKAGING MATERIAL. CELLULOID CORPORATION, Newark, N. J.
Filed June 27, 1936. Serial No. 380,343. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,427. BOOTS AND SHOES, FORMED OF LEATHER. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 26, 1936. Serial No. 380,311. PUBLISHED OCTOBER 6, 1936. Class 39.

342,428. LADIES' DRESSES, HATS, AND COATS. DAVID ROSENBLATT, Passaic, N. J.
Filed June 25, 1936. Serial No. 380,225. PUBLISHED OCTOBER 13, 1936. Class 39.

342,429. INSECTICIDES, FUNGICIDES, AND PREPARATIONS FOR CONTROL OF PLANT PESTS. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed June 25, 1936. Serial No. 380,198. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,430. PRESERVED VEGETABLES AND FRUITS, JAMS, JELLIES, MARMALADE, CUCUMBER RELISH, SWEET PEPPER RELISH, APPLE BUTTER, HONEY, MAPLE SYRUP, CANNED CHICKEN, SAUSAGE, AND CANNED CHICKEN SOUP. STONE HOUSE FARM, INC., Durham, N. H.
Filed June 24, 1936. Serial No. 380,161. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,431. GAME PLAYED WITH A TOY RACQUET AND BALL. HI-LI SALES CO., Philadelphia, Pa.
Filed June 23, 1936. Serial No. 380,103. PUBLISHED NOVEMBER 10, 1936. Class 22.

342,432. RAW, TREATED, AND DYED FUR SKINS, AND PARTS THEREOF. MENDELBLATT & GOLDSTEIN, New York, N. Y.
Filed June 20, 1936. Serial No. 380,012. PUBLISHED NOVEMBER 3, 1936. Class 1.

342,433. SHOE LACES. HERMAN B. LAYMON, doing business as World's Products Company, Spencer, Ind.
Filed August 19, 1936. Serial No. 382,357. PUBLISHED NOVEMBER 3, 1936. Class 40.

342,434. COIN OPERATED VENDING AND AMUSEMENT DEVICES. NAT COHN, doing business as Modern Vending Company, New York. N. Y.
Filed August 19, 1936. Serial No. 382,343. PUBLISHED NOVEMBER 10, 1936. Class 23.

342,435. MEDICINAL TONIC AND DIETETIC VEGETABLE PREPARATION FOR STRENGTHENING AND BUILDING PURPOSES. LABORATORIOS HIGIA, S. A., Mexico, D. F., Mexico.
Filed August 18, 1936. Serial No. 382,316. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,436. LADIES' SHOES, MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. PALTER DE LISO, INC., New York, N. Y.
Filed August 18, 1936. Serial No. 382,305. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,437. THERAPEUTIC ELECTRIC LAMPS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed August 17, 1936. Serial No. 382,292. PUBLISHED NOVEMBER 10, 1936. Class 44.

342,438. LEATHER GLOVES. BUSCARLET GLOVE COMPANY INC., New York, N. Y.
Filed August 13, 1936. Serial No. 382,113. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,439. OILED CANVAS, OILED DUCK, OILED CAMBRIC, AND OILED SILK. STANDARD INSULATION COMPANY, East Rutherford, N. J.
Filed August 12, 1936. Serial No. 382,104. PUBLISHED NOVEMBER 3, 1936. Class 50.

342,440. CEREAL FOOD PRODUCTS, PARTICULARLY BREAKFAST CEREAL. GENERAL MILLS, INC., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,928. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,441. DOG FOOD. CLARENCE F. GAINES, doing business as The Gaines Food Company, Sherburne, N. Y.
Filed June 17, 1936. Serial No. 379,839. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,442. SALT CURED HERRING. OCEANIC FISHERIES COMPANY, INC., Seattle, Wash.
Filed June 15, 1936. Serial No. 379,758. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,443. CANNED SHRIMP. BROOKS PACKING CO., INC., Fernandina, Fla.
Filed June 15, 1936. Serial No. 379,732. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,444. FUR COATS, FUR CAPES, FUR COLLARS, AND FUR SCARFS, MADE PRINCIPALLY FROM LAPIN AND BEAVERETTE FURS. BECKERMAN & MONASSON, INC., New York, N. Y.
Filed June 15, 1936. Serial No. 379,730. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,445. CORSETS, GIRDLES, AND OTHER FOUNDATION GARMENTS. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Los Angeles, Calif.; Denver, Colo.; St. Louis, Mo.; Akron and Cleveland, Ohio, and Baltimore, Md.
Filed August 3, 1936. Serial No. 381,773. PUBLISHED OCTOBER 13, 1936. Class 39.

342,446. ELECTRIC CURLING IRONS, ELECTRIC WHIPPERS, ELECTRIC FOOD MIXERS, ELECTRIC HAIR DRYERS, ELECTRIC CORN POPPERS, ETC. KNAPP-MONARCH COMPANY, doing business as Kwikway Company, St. Louis, Mo.
Filed August 3, 1936. Serial No. 381,769. PUBLISHED NOVEMBER 10, 1936. Class 21.

342,447. WOMEN'S AND MISSES' COATS AND SUITS. ANITRA, INC., New York, N. Y.
Filed August 3, 1936. Serial No. 381,745. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,448. TELEPHONE INDEX. SECURITY PRODUCTS COMPANY, Los Angeles, Calif.
Filed August 1, 1936. Serial No. 381,730. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,449. APRONS, GOLF JACKETS, FISHERMEN'S CAPES, MAKE-UP CAPES, SHAMPOO APRONS, AND SHOWER HELMETS. COLLINGBOURNE MILLS, INC., Elgin, Ill.
Filed August 1, 1936. Serial No. 381,711. PUBLISHED OCTOBER 6, 1936. Class 39.

342,450. WOMEN'S, MISSES', AND JUNIOR MISSES' CORSETS. JOHN WANAMAKER NEW YORK, New York, N. Y.
Filed July 31, 1936. Serial No. 381,696. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,451. INFANTS' AND CHILDREN'S DRESSES, SUITS, COATS, UNDERWEAR, SLEEPING GARMENTS, SWEATERS, BLOUSES AND SKIRTS, CAPS, BONNETS, HATS, BATHING SUITS AND TRUNKS, AND BEACH ROBES. JOHN WANAMAKER NEW YORK, New York, N. Y.
Filed July 31, 1936. Serial No. 381,695. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,452. MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, DRESS AND NEGLIGEE SHIRTS, UNDER-SHORTS, HOSIERY, AND LEATHER SHOES. ROGERS PEET COMPANY, New York, N. Y.
Filed July 31, 1936. Serial No. 381,692. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,453. MACHINE TO MEASURE AND STRETCH KNITTED GARMENTS TO SIZE. MOTO-SWAY CORPORATION, New York, N. Y.
Filed July 31, 1936. Serial No. 381,683. PUBLISHED NOVEMBER 10, 1936. Class 26.

342,454. COATED PAPER AND COATED PAPER BOARD USED FOR PRINTING AND/OR EMBOSSING FOR WRAPPING, MAKING PAPER PLATES, CUPS, LAMP SHADES, PAPER CONTAINERS, CARTONS, DISPLAYS, LABELS, BOX COVERINGS, BOX LININGS AND OTHER PAPER PRODUCTS FOR HOUSEHOLD AND COMMERCIAL USE. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y.
Filed July 30, 1936. Serial No. 381,621. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,455. BLOUSES, WOMEN'S AND MISSES' DRESSES CULOTTES, LOUNGING PAJAMAS, OUTERROBES, SLACKS, SKIRTS, PLAY SUITS, OVERALLS, APRONS, AND DOMESTIC UNIFORMS. NAT MALKASHER, New York, N. Y.
Filed July 29, 1936. erial No. 381,568. PUBLISHED OCTOBER 27, 1936. Class 39.

342,456. PACKAGES CONTAINING CUT LENGTHS (FOR INSTANCE SKIRT LENGTH) OF PIECE GOODS AND ART NEEDLEWORK YARNS FOR MAKING ARTICLES OF WEARING APPAREL. BOTANY WORSTED MILLS, Passaic, N. J.
Filed July 28, 1936. Serial No. 381,523. PUBLISHED NOVEMBER 10, 1936. Class 40.

342,457. WOMEN'S, MISSES', AND CHILDREN'S HATS AND CAPS; SCARFS OF SILK, WOOL, RAYON, LINEN, AND COTTON; ETC. MODERN MERCHANDISING BUREAU, INC., New York, N. Y.
Filed July 27, 1936. Serial No. 381,492. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,458. MACARONI, SPAGHETTI, AND MACARONI AND SPAGHETTI PRODUCTS OF VARIOUS SHAPES AND SIZES. JOHN BERTOTTI, doing business as J. Bertotti and Company, Detroit, Mich.
Filed July 24, 1936. Serial No. 381,397. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,459. ALL KINDS OF SALTED NUT MEATS, SALTED PEANUTS, SALTED CASHEW NUTS, SALTED MIXED NUTS, SALTED PISTACHIO NUTS. GEORGE D. GEORGE, doing business as Eat-A-Nut Products Company, Beckley, W. Va.
Filed July 23, 1936. Serial No. 381,360. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,460. TRIMMINGS AND ORNAMENTS MADE OF TEXTILE FABRICS INTENDED FOR PERSONAL WEAR ON ARTICLES OF CLOTHING, AND BUCKLES MADE OF MATERIAL OTHER THAN OF PRECIOUS METAL AND INTENDED FOR PERSONAL WEAR ON ARTICLES OF CLOTHING. ABRAHAM HIRSH INC., New York, N. Y.
Filed July 22, 1936. Serial No. 381,310. PUBLISHED NOVEMBER 10, 1936. Class 40.

342,461. LEATHER SHOES, FABRIC SHOES, AND SHOES OF LEATHER AND FABRIC. AULT-WILLIAMSON SHOE CO., Auburn, Maine.
Filed July 21, 1936. Serial No. 381,253. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,462. MOPS, BROOMS, DUSTERS, DUST AND POLISH MOPS, DUST CLOTHS, AND WET MOP STICKS AND SWATS. MIDWAY CHEMICAL CO., Chicago, Ill.
Filed July 20, 1936. Serial No. 381,232. PUBLISHED NOVEMBER 3, 1936. Class 29.

342,463. AUTOMOBILE LUGGAGE RACKS. GEORGE H. LEBOEUF, Manitowoc, Wis.
Filed July 20, 1936. Serial No. 381,209. PUBLISHED NOVEMBER 10, 1936. Class 19.

342,464. WOMEN'S SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. ORTHOPEDIC SHOES, INC., Portsmouth, Ohio.
Filed July 18, 1936. Serial No. 381,169. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,465. TOOTH BRUSH. VALENTINE LABORATORIES, INC., Chicago, Ill.
Filed May 15, 1936. Serial No. 378,508. PUBLISHED NOVEMBER 10, 1936. Class 29.

342,466. SHOES MADE OF LEATHER, RUBBER, FABRIC, AND A COMBINATION OF SAID MATERIALS. EMIL OLCOVICH, Los Angeles, Calif.
Filed May 15, 1936. Serial No. 378,493. PUBLISHED OCTOBER 6, 1936. Class 39.

342,467. LEAD PENCILS, COLORED AND COPYING PENCILS, PENCIL POINT PROTECTORS, PENCIL HOLDERS, PENHOLDERS, MECHANICAL PENCILS, AND PENCIL LENGTHENERS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed May 12, 1936. Serial No. 378,361. PUBLISHED NOVEMBER 10, 1936. Class 37.

342,468. VEGETABLE OIL PRODUCT USED AS A BUTTER SUBSTITUTE AND FOR SHORTENINGS. BERTRAM NIELSEN, doing business as Pacific Nut Co., Seattle, Wash.
Filed May 9, 1936. Serial No. 378,262. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,469. FRESH CITRUS FRUITS. GOLETA LEMON ASSOCIATION, Goleta, Calif.
Filed May 8, 1936. Serial No. 378,201. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,470. BINDER TWINE, ROPE, AND CORDS. MANUEL ZAPATA CASARES, Yucatan, Mexico.
Filed April 29, 1936. Serial No. 377,773. PUBLISHED NOVEMBER 10, 1936. Class 7.

342,471. FLAKED HYDROGENATED COTTONSEED OIL. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex.
Filed April 20, 1936. Serial No. 377,394. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,472. CANNED FRUITS AND VEGETABLES, SALAD DRESSING. J. J. GIELOW & SONS, INC., Detroit, Mich.
Filed April 20, 1936. Serial No. 377,392. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,473. ELECTRICALLY OPERATED SUCTION CLEANERS. THE P. A. GEIER COMPANY, Cleveland, Ohio.
Filed April 18, 1936. Serial No. 377,353. PUBLISHED NOVEMBER 10, 1936. Class 21.

342,474. COCOA, CHOCOLATE, CHOCOLATE CANDY. CHOCOLAT SUCHARD SOCIETE ANONYME, Neuchatel, Switzerland.
Filed April 17, 1936. Serial No. 377,299. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,475. ELECTRIC MASSAGING HAIR BRUSHES. ROBERT W. THOMPSON, doing business as Thompson Manufacturing Co., Los Angeles, Calif.
Filed August 8, 1936. Serial No. 381,953. PUBLISHED NOVEMBER 10, 1936. Class 44.

342,476. POTATO CHIPS. HARRY G. LATIN, doing business as Air City Potato Chip Co., Dayton, Ohio.
Filed August 10, 1936. Serial No. 381,955. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,477. PIPES. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed August 10, 1936. Serial No. 381,962. PUBLISHED NOVEMBER 3, 1936. Class 8.

342,478. DRIED VEGETABLES. SALINAS LAND COMPANY, Ventura, Calif.
Filed August 10, 1936. Serial No. 382,006. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,479. ASH TRAYS. AMERICAN AUTOMOBILE ASSOCIATION, INCORPORATED, Washington, D. C.
Filed August 10, 1936. Serial No. 382,026. PUBLISHED NOVEMBER 3, 1936. Class 8.

342,480. SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. FERRIS SHOE MFG. CO., Souderton, Pa.
Filed August 11, 1936. Serial No. 382,048. PUBLISHED OCTOBER 13, 1936. Class 39.

342,481. ELECTRIC MOTOR EQUIPPED AND OPERATED HAND STEERED TYPE VACUUM SWEEPER PRIMARILY ADAPTED FOR USE IN THE HOME. JAMES R. LODGE, doing business as International Vacuum Cleaner Co., Wheeling, W. Va.
Filed August 11, 1936. Serial No. 382,058. PUBLISHED NOVEMBER 10, 1936. Class 21.

342,482. RUBBER BOOTS, RUBBER HEELS, AND RUBBER SOLES. RUBBER-GEL PRODUCTS CORPORATION, North Quincy, Mass.
Filed August 11, 1936. Serial No. 382,065. PUBLISHED OCTOBER 13, 1936. Class 39.

342,483. RAINCOATS. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis.
Filed August 12, 1936. Serial No. 382,086. PUBLISHED OCTOBER 6, 1936. Class 39.

342,484. INSECTICIDE. H. CLAY GLOVER COMPANY, INC., New York, N. Y.
Filed August 12, 1936. Serial No. 382,092. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,485. BOYS' SUITS. L. ISAACSON & SONS, INC., New York, N. Y.
Filed May 16, 1936. Serial No. 378,522. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,486. MEDICINAL PREPARATION IN LIQUID, CAPSULE, TABLET, AND POWDER FORM FOR THE ORAL TREATMENT OF HAY FEVER, ROSE FEVER, POLLEN ASTHMA, AND ALL FORMS OF POLLINOSIS. EUGENE A. GATTERDAM, doing business as Allergy Clinic, Phoenix, Ariz.
Filed May 21, 1936. Serial No. 378,695. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,487. BRAKE LINING. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C.
Filed May 26, 1936. Serial No. 378,906. PUBLISHED NOVEMBER 10, 1936. Class 35.

342,488. FUR SKINS. FRANK HERSHKOVITZ & GOTTLIEB, INC., New York, N. Y.
Filed May 28, 1936. Serial No. 378,997. PUBLISHED NOVEMBER 3, 1936. Class 1.

342,489. DRY CLEANING SOAP. R. R. STREET & CO., INC., Chicago, Ill.
Filed June 1, 1936. Serial No. 379,150. PUBLISHED NOVEMBER 10, 1936. Class 4.

342,490. ELECTRIC PHONOGRAPH MACHINES, AMPLIFIER, TURN TABLE, MOTOR PHONOGRAPH PICK-UP, AND LOUD SPEAKER. ELECTRO-ACOUSTIC PRODUCTS COMPANY, Fort Wayne, Ind.
Filed June 2, 1936. Serial No. 379,188. PUBLISHED NOVEMBER 10, 1936. Class 36.

342,491. CLOTHING AND ACCESSORIES—NAMELY, MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TUXEDOS, DRESS SUITS, MORNING COATS, SPORT SUITS, TOPCOATS. SIMON ACKERMAN CLOTHES, INC., New York, N. Y.
Filed June 10, 1936. Serial No. 379,500. PUBLISHED OCTOBER 27, 1936. Class 39.

342,492. CANNED FRUITS AND FRESH DECIDUOUS FRUITS. BARNES & LEVERETTE, Medford, Oreg.
Filed June 12, 1936. Serial No. 379,598. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,493. MAILING AND CATALOG ENVELOPES. CURTIS 1000 INC., St. Paul, Minn.
Filed June 12, 1936. Serial No. 379,605. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,494. MEN'S AND BOYS' SUITS AND OVERCOATS, HATS, AND OUTER SHIRTS, AND WOMEN'S AND MISSES' SUITS AND COATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 12, 1936. Serial No. 379,610. PUBLISHED OCTOBER 6, 1936. Class 39.

342,495. ARTIFICIAL TEXTILE FIBRES IN STAPLES, HAVING OPAQUE APPEARANCE. THE SOCIETÁ ANONIMA SNIA-VISCOSA, SOCIETÁ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy.
Filed June 12, 1936. Serial No. 379,642. PUBLISHED NOVEMBER 3, 1936. Class 1.

342,496. SHOULDER STRAPS FOR LADIES' UNDERGARMENTS. SOL SILVERMAN, doing business as Maid-Rite Shoulder Strap Co., New York, N. Y.
Filed August 3, 1936. Serial No. 381,787. PUBLISHED NOVEMBER 10, 1936. Class 40.

342,497. DESK PADS. KENT R. COSTIKYAN, New York, N. Y.
Filed August 4, 1936. Serial No. 381,800. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,498. STOCKINGS FOR MEN, WOMEN, AND CHILDREN. INDUSTRIAL HOSIERY MILLS, INC., Mohnton, Pa.
Filed August 4, 1936. Serial No. 381,812. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,499. COCOA, CHOCOLATE, AND CHOCOLATES AND CANDIES. NAAMLOOZE VENNOOTSCHAP DROSTE'S CACAO-EN CHOCOLADEFABRIEKEN, Haarlem, Netherlands.
Filed August 5, 1936. Serial No. 381,849. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,500. CANNED VEGETABLES. LAND O' THE SKY MUTUAL ASSOCIATION, INC., Waynesville, N. C.
Filed August 6, 1936. Serial No. 381,860. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,501. WOMEN'S SHOES OF LEATHER AND FABRIC AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed August 6, 1936. Serial No. 381,881. PUBLISHED OCTOBER 6, 1936. Class 39.

342,502. LEATHER SHOES. THE H. W. MERRIAM SHOE COMPANY, Baltimore, Md.
Filed July 30, 1936. Serial No. 381,895. PUBLISHED OCTOBER 6, 1936. Class 39.

342,503. CANNED VEGETABLES—NAMELY, CANNED CORN. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed August 7, 1936. Serial No. 381,914. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,504. WRAPPING MATERIAL COMPRISING PAPER LAMINATED TO A METALLIC FOIL. REYNOLDS METALS COMPANY, INC., New York, N. Y.
Filed August 8, 1936. Serial No. 381,949. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,505. DOMESTIC HEATING BOILERS. RICHARDSON & BOYNTON COMPANY, New York, N. Y.
Filed August 8, 1936. Serial No. 381,950. PUBLISHED NOVEMBER 10, 1936. Class 34.

342,506. LADIES' UNDERGARMENTS, SPECIFICALLY BRASSIÈRES. HOLLYWOOD-MAXWELL CO., Los Angeles, Calif.
Filed August 15, 1936. Serial No. 382,220. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,507. LAWN MOWERS. THE POOTATUCK CORPORATION, Stratford, Conn.
Filed August 15, 1936. Serial No. 382,238. PUBLISHED NOVEMBER 10, 1936. Class 23.

342,508. POULTRY FEEDS. ALBERT ANGELL, doing business as Glenayre Feeds, Burlington, Wis.
Filed August 17, 1936. Serial No. 382,259. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,509. LADIES' WEARING APPAREL MADE OF FUR. BEN BROCKMAN, INC., New York, N. Y.
Filed August 15, 1936. Serial No. 382,200. PUBLISHED OCTOBER 27, 1936. Class 39.

342,510. BRASSIÈRES. HOLLYWOOD-MAXWELL CO., Los Angeles, Calif.
Filed August 15, 1936. Serial No. 382,216. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,511. LADIES' UNDERGARMENTS—NAMELY, BRASSIÈRES. HOLLYWOOD-MAXWELL CO., Los Angeles, Calif.
Filed August 15, 1936. Serial No. 382,218. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,512. BRASSIÈRES. HOLLYWOOD-MAXWELL CO., Los Angeles, Calif.
Filed August 15, 1936. Serial No. 382,219. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,513. ELECTRICALLY OPERATED SUCTION CLEANERS AND PARTS THEREOF AND ATTACHMENTS AND ACCESSORIES THEREFOR. THE P. A. GEIER COMPANY, Cleveland, Ohio.
Filed April 15, 1936. Serial No. 377,219. PUBLISHED NOVEMBER 10, 1936. Class 21.

342,514. SOAP. THE MENNEN COMPANY, Newark, N. J.
Filed April 14, 1936. Serial No. 377,189. PUBLISHED NOVEMBER 3, 1936. Class 4.

342,515. CONTAINER FOR SEWING THREAD CONSTRUCTED OF RIGID MATERIAL AND IN THE ORDER OF A BOX. DEAN & SHERK CO., INCORPORATED, Lawrenceburg, Ky.
Filed April 8, 1936. Serial No. 376,946. PUBLISHED NOVEMBER 10, 1936. Class 2.

342,516. REFRIGERATORS. WARD REFRIGERATOR & MFG. CO., Los Angeles, Calif.
Filed April 7, 1936. Serial No. 376,926. PUBLISHED NOVEMBER 10, 1936. Class 31.

342,517. WHEAT FLOUR, CANNED TOMATOES, SPAGHETTI AND MACARONI, AND DRY OR GRANULAR RICE SOLD IN BAGS, AND THE LIKE. THE LEWIS GROCER CO., Lexington, Indianola, and Durant, Miss.
Filed April 6, 1936. Serial No. 376,852. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,518. SACKS OR BAGS MADE OF OPEN MESH PAPER CORD FOR USE IN THE PACKAGING AND SALE OF PRODUCE. GRAND RAPIDS FIBRE CORD CO., doing business as Sackner Bag Co., Grand Rapids, Mich.
Filed March 20, 1936. Serial No. 376,200. PUBLISHED NOVEMBER 10, 1936. Class 2.

342,519. CANNED FRUITS, CANNED VEGETABLES, COFFEE, SALT, CEREAL BREAKFAST FOOD, SALAD DRESSING, AND CANNED EVAPORATED MILK. NATHAN ROSENBLUM & COMPANY, Sharon, Pa.
Filed February 25, 1936. Serial No. 375,225. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,520. SUITS, COATS, VESTS, PANTS, OVERCOATS, AND TOPCOATS FOR MEN. S. MAKRANSKY & SONS, Philadelphia, Pa., assignors to Rogers Peet Company, New York, N. Y., a corporation of New York.
Filed February 25, 1936. Serial No. 375,217. PUBLISHED APRIL 28, 1936. Class 39.

342,521. TIN PLATE. WEIRTON STEEL COMPANY, Weirton, W. Va.
Filed February 24, 1936. Serial No. 375,184. PUBLISHED NOVEMBER 10, 1936. Class 14.

342,522. FRESH FRUITS AND VEGETABLES—NAMELY, POTATOES, MUSHROOMS, GRAPEFRUIT, ONIONS, CORN, BEANS, SWEET POTATOES, MIXED VEGETABLES, GRAPES, CAULIFLOWER, PEAS, ORANGES, AVOCADOES, LETTUCE, AND PEARS. NATIONAL FRUIT AND VEGETABLE EXCHANGE, INC., New York, N. Y.
Filed February 24, 1936. Serial No. 375,160. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,523. MEN'S, YOUTHS', AND BOYS' COATS, VESTS, TROUSERS, OVERCOATS, HATS, AND UNIFORMS. J. BLACH & SONS, INC., doing business as Klothes Shoppe, Birmingham, Ala.
Filed February 20, 1936. Serial No. 375,042. PUBLISHED OCTOBER 6, 1936. Class 39.

342,524. BATHING AND LOUNGING ROBES, PAJAMAS, NEGLIGEES, DRESSES, BLOUSES, WOMEN'S AND MISSES' UNDERWEAR, AND SACQUES. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed August 21, 1936. Serial No. 382,455. PUBLISHED OCTOBER 27, 1936. Class 39.

342,525. SHORTS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed August 21, 1936. Serial No. 382,422. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,526. RUBBER SPONGES. VEREINIGTE GUMMIWAREN-FABRIKEN WIMPASSING VORMALS MENIER-J. N. REITHOFFER, Vienna, Austria.
Filed August 20, 1936. Serial No. 382,403. PUBLISHED NOVEMBER 3, 1936. Class 1.

342,527. ANTISEPTIC GARGLE AND MOUTH WASH. WARREN D. OWNBY, doing business as The O. Gargle Co., Tulsa, Okla.
Filed August 20, 1936. Serial No. 382,392. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,528. MEDICINAL PREPARATION FOR THE TREATMENT OF CONDITIONS DUE TO VITAMIN B_1 DEFICIENCY. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed August 20, 1936. Serial No. 382,375. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,529. LIQUID PREPARATION FOR CLEANING AND POLISHING GLASS AND GLASS SURFACES, ESPECIALLY AUTOMOBILE WINDSHIELDS AND WINDOW GLASS, WINDOW LIGHTS IN GENERAL, CHROMIUM PLATED SURFACES. MURRAY J. BLISS, doing business as Glass-Glow Company, Indianapolis, Ind.
Filed August 14, 1936. Serial No. 382,150. PUBLISHED NOVEMBER 3, 1936. Class 4.

342,530. HAIR ORNAMENTS NOT MADE OF PRECIOUS METAL—NAMELY, COMBS, CLIPS, BARETTES, HAIR ROLLERS, HAIR PINS, CLAMPING COMBS, HAIR CURLERS, AND HEAD BANDS. BEN HUR PRODUCTS, INC., New York, N. Y.
Filed August 13, 1936. Serial No. 382,123. PUBLISHED OCTOBER 13, 1936. Class 40.

342,531. WORK GLOVES OF LEATHER. WELLS-LAMONT-SMITH CORPORATION, Minneapolis, Minn.
Filed August 24, 1936. Serial No. 382,542. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,532. WORK GLOVES OF LEATHER AND COMBINED LEATHER AND FABRIC. WELLS-LAMONT-SMITH CORPORATION, Minneapolis, Minn.
Filed August 24, 1936. Serial No. 382,541. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,533. CANNED FRUITS. SUTTER PACKING COMPANY, Palo Alto, Calif.
Filed August 24, 1936. Serial No. 382,534. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,534. WOMEN'S SHOES OF LEATHER AND FABRIC AND LEATHER. BRAUER BROS. SHOE COMPANY, St. Louis, Mo.
Filed August 24, 1936. Serial No. 382,505. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,535. COAL. ISLAND CREEK COAL SALES COMPANY, Cincinnati, Ohio.
Filed August 22, 1936. Serial No. 382,474. PUBLISHED NOVEMBER 10, 1936. Class 1.

342,536. ALL PURPOSE CREAM, ALL PURPOSE LOTION, COLD CREAM, CREAMY CLEANSING CREAM, DAY AND NIGHT CREAM, FACE POWDER, ETC. THE SHARON STORE COMPANY, doing business as "Yvonne Laru", Sharon, Pa.
Filed August 14, 1936. Serial No. 382,181. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,537. FOOD PRODUCTS—NAMELY, CANNED TOMATOES, CANNED TOMATO PASTE, AND CANNED TOMATO JUICE. RIVERBANK CANNING COMPANY, Riverbank, Calif.
Filed August 14, 1936. Serial No. 382,176. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,538. WATERPROOF CLOTH. FULTON BAG & COTTON MILLS, Atlanta, Ga.
Filed February 5, 1936. Serial No. 374,516. PUBLISHED NOVEMBER 10, 1936. Class 50.

342,539. DOLLS. BERTHA BEHRMAN, doing business as Alexander Doll Co. and Madame Alexander, New York, N. Y.
Filed January 30, 1936. Serial No. 374,274. PUBLISHED APRIL 21, 1936. Class 22.

342,540. DOLLS. BERTHA BEHRMAN, doing business as Alexander Doll Co. and Madame Alexander, New York, N. Y.
Filed January 30, 1936. Serial No. 374,272. PUBLISHED APRIL 21, 1936. Class 22.

342,541. DOLLS. BERTHA BEHRMAN, doing business as Alexander Doll Co. and Madame Alexander, New York, N. Y.
Filed January 30, 1936. Serial No. 374,271. PUBLISHED APRIL 21, 1936. Class 22.

342,542. DOLLS. BERTHA BEHRMAN, doing business as Alexander Doll Co. and Madame Alexander, New York, N. Y.
Filed January 30, 1936. Serial No. 374,269. PUBLISHED APRIL 21, 1936. Class 22.

342,543. METALS, METAL CASTINGS, AND METAL ALLOYS—NAMELY, NICKEL, CHROME, MOLYBDENUM, MANGANESE, COPPER, TIN, ANTIMONY, LEAD, ZINC, ALUMINUM, VANADIUM, BISMUTH, TUNGSTEN, IRON, COBALT, AND CADMIUM. ISRAEL W. WILENCHIK, doing business as Metallurgical Products Company, Philadelphia, Pa.
Filed January 24, 1936. Serial No. 374,068. PUBLISHED NOVEMBER 10, 1936. Class 14.

342,544. METALS, METAL CASTINGS, AND METAL ALLOYS—NAMELY, NICKEL, CHROME, MOLYBDENUM, MANGANESE, COPPER, TIN, ANTIMONY, LEAD, ZINC, ALUMINUM, VANADIUM, BISMUTH, TUNGSTEN, IRON, COBALT, AND CADMIUM. ISRAEL W. WILENCHIK, doing business as Metallurgical Products Company, Philadelphia, Pa.
Filed January 24, 1936. Serial No. 374,067. PUBLISHED NOVEMBER 10, 1936. Class 14.

342,545. COMPOSITE STRIPS OF SLIT CELLULOSE FILM FORMING A RIBBON SUITABLE FOR USE IN SECURING PACKAGES AND THE LIKE, SAID RIBBON BEING FORMED OF TWO PLYS OF SLIT CELLULOSE FILM CEMENTED TOGETHER AND HAVING INTERPOSED THEREBETWEEN FABRIC STRANDS. NORCROSS, New York, N. Y.
Filed January 14, 1936. Serial No. 373,646. PUBLISHED NOVEMBER 10, 1936. Class 37.

342,546. WINES. EMPIRE STATE WINE CO., INC., Penn Yan, N. Y.
Filed January 2, 1936. Serial No. 373,250. PUBLISHED NOVEMBER 10, 1936. Class 47.

342,547. LADIES' HATS. DRAPER HAT CORPORATION, New York, N. Y.
Filed December 31, 1935. Serial No. 373,204. PUBLISHED MARCH 17, 1936. Class 39.

342,548. HATS FOR MEN, WOMEN, AND CHILDREN. HAWLEY PRODUCTS COMPANY, St. Charles, Ill.
Filed November 23, 1935. Serial No. 371,921. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,549. WRITING PAPER AND DUPLICATING MACHINE PAPER IN CUT FORM. NATION WIDE PAPERS, INC., Chicago, Ill.
Filed November 11, 1935. Serial No. 371,439. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,550. TOILET SOAPS. ROBERT ENTERPRISES, INC., New York, N. Y.
Filed October 26, 1935. Serial No. 370,839. PUBLISHED DECEMBER 17, 1935. Class 4.

342,551. FELT AND FABRIC HATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed October 12, 1935. Serial No. 370,309. PUBLISHED OCTOBER 6, 1936. Class 39.

342,552. BEEF. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio.
Filed October 4, 1935. Serial No. 370,006. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,553. TOMATO PRODUCTS—NAMELY, CATSUP, CHILI SAUCE, TOMATO JUICE, AND TOMATO PUREE. FARM KING PACKING COMPANY, INC., Fredonia, N. Y.
Filed September 16, 1935. Serial No. 369,346. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,554. MEN'S AND BOYS' NECKTIES. SWEET CAP COMPANY, Dallas, Tex.
Filed August 19, 1935. Serial No. 368,464. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,555. CIGARS. MENENDEZ Y COMPAÑIA, S. EN. C., Habana, Cuba.
Filed July 30, 1935. Serial No. 367,832. PUBLISHED NOVEMBER 10, 1936. Class 17.

342,556. DEHYDRATED MILK AND DEHYDRATED CHOCOLATE, A PREPARATION OF POWDERED MILK AND POWDERED CHOCOLATE RESPECTIVELY. ANTON C. NEGRI, doing business as General Dairy Products Co., Chicago, Ill.
Filed October 1, 1934. Serial No. 356,634. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,557. EMBROIDERED NECKTIES. BUCHET FILS ET CHARLES COLCOMBET, Lyon, France.
Filed July 13, 1934. Serial No. 353,844. PUBLISHED MARCH 3, 1936. Class 39.

342,558. CLUTCH-OPERATED FLUID BRAKE CONTROL VALVES FOR VEHICLES. WAGNER ELECTRIC CORPORATION, St. Louis, Mo.
Filed July 7, 1934. Serial No. 353,622. PUBLISHED NOVEMBER 10, 1936. Class 13.

342,559. DYNAMOTORS, GENERATORS, INVERTED ROTARY CONVERTORS, AND MOTOR-GENERATORS. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill.
Filed February 7, 1936. Serial No. 374,601. PUBLISHED NOVEMBER 10, 1936. Class 21.

342,560. SPARKLING WINES, PERRY, AND ALCOHOLIC CIDER. SOCIÉTÉ VINICOLE DE CHAMPAGNE, Paris and Reims, France.
Filed February 19, 1936. Serial No. 375,028. PUBLISHED NOVEMBER 10, 1936. Class 47.

342,561. CIGARS. GEORGE ZIFFERBLATT & CO., Philadelphia, Pa.
Filed February 17, 1936. Serial No. 374,952. PUBLISHED NOVEMBER 3, 1936. Class 17.

342,562. RUBBER PRINTING STAMPS. SAMUEL H. MOSS, INC., New York, N. Y.
Filed September 5, 1936. Serial No. 382,958. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,563. FIELD AND GARDEN SEEDS. RUHMANN GRAIN & SEED COMPANY, Waco, Tex.
Filed September 19, 1936. Serial No. 383,449. PUBLISHED NOVEMBER 10, 1936. Class 1.

342,564. WOMEN'S AND MISSES' COATS. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed September 21, 1936. Serial No. 383,469. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,565. BASKETBALLS. EDW. K. TRYON COMPANY, Philadelphia, Pa.
Filed September 21, 1936. Serial No. 383,492. PUBLISHED NOVEMBER 10, 1936. Class 22.

342,566. FOOTBALLS. EDW. K. TRYON COMPANY, Philadelphia, Pa.
Filed September 21, 1936. Serial No. 383,493. PUBLISHED NOVEMBER 10, 1936. Class 22.

342,567. MEN'S AND BOYS' SUITS AND OVERCOATS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed September 22, 1936. Serial No. 383,503. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,568. PREPARATION MADE FROM VARIOUS FRUITS, BERRIES, AND VEGETABLES TO BE USED IN MAKING SALADS AND VARIOUS FORMS OF DESSERTS. FILICE & PERRELLI CANNING COMPANY, INC., Richmond, Calif.
Filed September 25, 1936. Serial No. 383,618. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,569. CANNED VEGETABLES, CANNED VEGETABLE JUICES FOR FOOD PURPOSES. CALIFORNIA PEA PRODUCTS, INC., Fullerton, Calif.
Filed September 28, 1936. Serial No. 383,718. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,570. BISCUITS AND CRACKERS. JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass.
Filed September 29, 1936. Serial No. 383,772. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,571. SHAVING CREAM. MAURICE E. PROCTOR, doing business as Proctors Products Co., New Haven, Conn.
Filed September 29, 1936. Serial No. 383,782. PUBLISHED NOVEMBER 10, 1936. Class 4.

342,572. LINGERIE FOR WOMEN AND MISSES—NAMELY, NIGHTGOWNS, BED JACKETS, PAJAMAS, SLIPS, CHEMISES, PANTIES, ROBES, PETTICOATS, AND DANCE SETS. B. ALTMAN & CO., New York, N. Y.
Filed August 29, 1936. Serial No. 382,704. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,573. WOOD CASED PENCILS. GENERAL PENCIL COMPANY, Jersey City, N. J.
Filed August 29, 1936. Serial No. 382,717. PUBLISHED NOVEMBER 10, 1936. Class 37.

342,574. CLAY. SOUTHEASTERN CLAY COMPANY, Aiken, S. C.
Filed August 29, 1936. Serial No. 382,727. PUBLISHED NOVEMBER 10, 1936. Class 1.

342,575. LAUNDRY WASHING MACHINES. VIDRIO PRODUCTS CORPORATION, Chicago, Ill.
Filed August 29, 1936. Serial No. 382,731. PUBLISHED NOVEMBER 10, 1936. Class 24.

342,576. RIFLE RANGE APPARATUS — NAMELY, TARGETS, TARGET FRAMES, AND TARGET SUPPORTS. GUSTAVE W. SNYDER, doing business as The Superior Confection Company, Columbus, Ohio.
Filed September 4, 1936. Serial No. 382,933. PUBLISHED OCTOBER 27, 1936. Class 22.

342,577. BOARD GAME EMPLOYING MOVABLE PIECES. HARRY J. CHAPMAN, doing business as Chappy Craft Industries, Chelsea, Mich.
Filed September 4, 1936. Serial No. 382,938. PUBLISHED NOVEMBER 10, 1936. Class 22.

342,578. COFFEE. EPPENS, SMITH COMPANY, INC., New York, N. Y.
Filed September 5, 1936. Serial No. 382,947. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,579. WOMEN'S AND MISSES' DRESSES. MARCH OF FASHION, INC., New York, N. Y.
Filed September 5, 1936. Serial No. 382,957. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,580. FIELD AND GARDEN SEEDS. RUHMANN GRAIN & SEED COMPANY, Waco, Tex.
Filed September 19, 1936. Serial No. 383,448. PUBLISHED NOVEMBER 10, 1936. Class 1.

342,581. BREECHES, JODHPURS, PANTS, SLACKS, JACKETS, AND RIDING COATS FOR MEN, WOMEN, AND CHILDREN. I. C. ISAACS & COMPANY, INC., Baltimore, Md.
Filed September 10, 1936. Serial No. 383,097. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,582. INSECT PROOFING PAINT. NEWTON P. EASLING, Pekin, Ill.
Filed September 10, 1936. Serial No. 383,089. PUBLISHED NOVEMBER 10, 1936. Class 16.

342,583. CANDY. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed September 10, 1936. Serial No. 383,082. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,584. TOMATO JUICE. THE WELCH GRAPE JUICE COMPANY, Westfield, N. Y.
Filed September 9, 1936. Serial No. 383,078. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,585. FROZEN CONFECTIONS. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed September 9, 1936. Serial No. 383,050. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,586. VELOCIPEDES, SCOOTERS, WAGONS (TOY), TOY AUTOMOBILES, BICYCLES, AND ROLLER SKATES. WEILL & HARTMANN, New York, N. Y.
Filed September 8, 1936. Serial No. 383,044. PUBLISHED NOVEMBER 10, 1936. Class 22.

342,587. CANDIES. FRANCES SINAGNAN ET CIE INC., New York, N. Y.
Filed September 8, 1936. Serial No. 383,035. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,588. KNITTED SWEATERS, COATS, AND VESTS FOR MEN, WOMEN, AND CHILDREN. HOLLYWOOD KNITTING MILLS, INC., Los Angeles, Calif.
Filed September 8, 1936. Serial No. 383,017. PUBLISHED OCTOBER 27, 1936. Class 39.

342,589. ANTISEPTIC PREPARATION USED AS MOUTH WASH, THROAT GARGLE, NOSE SPRAY, DOUCHE, AND DEODORANT. GRAND UNION TEA COMPANY, New York, N. Y.
Filed September 8, 1936. Serial No. 383,013. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,590. WOMEN'S AND CHILDREN'S DRESSES. NORTH CAROLINA FABRICS CORPORATION, Salisbury, N. C.
Filed September 5, 1936. Serial No. 382,959. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,591. PYROMETER STANDARD CELLS. THE EPPLEY LABORATORY, INC., Newport, R. I.
Filed September 1, 1936. Serial No. 382,790. PUBLISHED NOVEMBER 10, 1936. Class 26.

342,592. CHILDREN'S DRESSES AND PLAYSUITS. WESS MFG. CORP., New York, N. Y.
Filed August 31, 1936. Serial No. 382,781. PUBLISHED OCTOBER 27, 1936. Class 39.

342,593. SYRUPS FOR SUNDAES, MILK BEVERAGES, AND CAKE FROSTINGS. CHARLES A. OWEN, Geneva, N. Y.
Filed August 31, 1936. Serial No. 382,765. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,594. PEANUT BUTTER. ERICKSON FOOD PRODUCTS CO., Minneapolis, Minn.
Filed August 31, 1936. Serial No. 382,749. PUBLISHED NOVEMBER 3, 1936. Class 46.

342,595. LAXATIVE PREPARATION. DEMETRIOS N. PROTOPAPAS, New York, N. Y.
Filed August 26, 1936. Serial No. 382,740. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,596. WOMEN'S AND MISSES' COATS AND SUITS. I. GROSSMAN & SON, INC., New York, N. Y.
Filed August 26, 1936. Serial No. 382,593. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,597. SOAP. JOHN T. STANLEY CO. INC., New York, N. Y.
Filed August 25, 1936. Serial No. 382,575. PUBLISHED NOVEMBER 3, 1936. Class 4.

342,598. LADIES' DRESSES, SUITS, BLOUSES, SLACKS, SUNSUITS, COATS, AND SKIRTS. FREDERICK A. SPEIK, doing business as Kay Christy, Los Angeles, Calif.
Filed August 25, 1936. Serial No. 382,573. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,599. CANDIES INCLUDING ENGLISH TOFFEE. KARL L. RATHJE, Wheaton, Ill.
Filed August 25, 1936. Serial No. 382,568. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,600. WOMEN'S AND MISSES' SUITS, COATS, AND DRESSES. MARKS & LIPMAN, INC., New York, N. Y.
Filed August 25, 1936. Serial No. 382,563. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,601. SWEATERS. WEST COAST-MANCHESTER MILLS, INC., Los Angeles, Calif.
Filed September 14, 1936. Serial No. 383,242. PUBLISHED OCTOBER 27, 1936. Class 39.

342,602. ELECTRIC RANGES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed September 14, 1936. Serial No. 383,232. PUBLISHED NOVEMBER 10, 1936. Class 21.

342,603. TOILET (TISSUE) PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed September 12, 1936. Serial No. 383,200. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,604. FUNGICIDE. NICHOLS COPPER COMPANY, New York, N. Y.
Filed September 12, 1936. Serial No. 383,177. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,605. SHAVING CREAM. J. JAY BICKEL, doing business as Master Shaving Cream Co., Minneapolis, Minn.
Filed September 12, 1936. Serial No. 383,158. PUBLISHED NOVEMBER 3, 1936. Class 4.

342,606. CIGARETTES. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed September 12, 1936. Serial No. 383,152. PUBLISHED NOVEMBER 3, 1936. Class 17.

342,607. IRON AND STEEL WIRE FOR USE IN OVERHEAD ELECTRIC TRANSMISSION LINES. INDIANA STEEL & WIRE COMPANY, Muncie, Ind.
Filed September 11, 1936. Serial No. 383,131. PUBLISHED NOVEMBER 10, 1936. Class 21.

342,608. WOMEN'S NIGHTGOWNS. HER MAJESTY UNDERWEAR CO., Philadelphia, Pa.
Filed September 11, 1936. Serial No. 383,130. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,609. MEN'S AND BOYS' SUITS. CURLEE CLOTHING COMPANY, St. Louis, Mo.
Filed September 11, 1936. Serial No. 383,125. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,610. TOILET PAPER. STEVENS & THOMPSON PAPER COMPANY, New York, N. Y.
Filed September 10, 1936. Serial No. 383,109. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,611. SHOE COUNTER MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER. KIMBERLY-CLARK CORPORATION, Neenah, Wis.
Filed September 3, 1936. Serial No. 382,875. PUBLISHED NOVEMBER 10, 1936. Class 50.

342,612. CANDY. HERBERT CANDY COMPANY, Philadelphia, Pa.
Filed September 3, 1936. Serial No. 382,870. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,613. TEA. CARTER MACY TEA AND COFFEE CO., INC., New York, N. Y.
Filed September 2, 1936. Serial No. 382,820. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,614. CIGARS. BERRIMAN BROTHERS, INC., Tampa, Fla.
Filed September 2, 1936. Serial No. 382,818. PUBLISHED NOVEMBER 3, 1936. Class 17.

342,615. CORSETS, GIRDLES, BRASSIÈRES, AND FOUNDATION GARMENTS. W. B. FOUNDATIONS, INCORPORATED, Newark, N. J.
Filed September 1, 1936. Serial No. 382,815. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,616. BELTS FOR MEN. TEXAS TANNING & MANUFACTURING COMPANY, Yoakum, Tex.
Filed August 27, 1936. Serial No. 382,641. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,617. PERIODICAL PUBLICATION. I. EDWIN TANENBAUM INCORPORATED, New York, N. Y.
Filed August 27, 1936. Serial No. 382,640. PUBLISHED NOVEMBER 3, 1936. Class 38.

342,618. HATS AND CAPS FOR MEN AND WOMEN. G. HENRY STETSON, San Fernando, Calif.
Filed August 27, 1936. Serial No. 382,639. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,619. CANNED DOG AND CAT FOOD. MAX LAZARUS & SONS, INC., Baltimore, Md.
Filed August 26, 1936. Serial No. 382,598. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,620. FIELD AND GARDEN SEEDS. RUHMANN GRAIN & SEED COMPANY, Waco, Tex.
Filed September 19, 1936. Serial No. 383,447. PUBLISHED NOVEMBER 10, 1936. Class 1.

342,621. HOSIERY. J. W. LANDENBERGER & Co., Philadelphia, Pa.
Filed September 19, 1936. Serial No. 383,437. PUBLISHED NOVEMBER 10, 1936. Class 39.

342,622. AUTO TOP DRESSING, OIL STONES, SAND PAPER, RAZOR STROPS, RAZOR HONES, EMERY CLOTH, EMERY PAPER, ETC. S. H. KRESS AND COMPANY, New York, N. Y.
Filed September 19, 1936. Serial No. 383,435. PUBLISHED NOVEMBER 10, 1936. Class 4.

342,623. MEAT CUTTING MACHINES. W. D. HUSE & SONS, Laconia, N. H.
Filed September 19, 1936. Serial No. 383,434. PUBLISHED NOVEMBER 10, 1936. Class 28.

342,624. TUMBLING, BURNISHING, AND POLISHING COMPOUNDS, POLISHING CREAMS, PEGS, CHIPS, AND STEEL BALLS FOR BURNISHING. LUPOMATIC TUMBLING MACHINE CO., INC., New York, N. Y.
Filed September 17, 1936. Serial No. 383,364. PUBLISHED NOVEMBER 10, 1936. Class 4.

342,625. RAZOR BLADES. KIRBY, BLOCK & FISCHER, INC., New York, N. Y.
Filed September 17, 1936. Serial No. 383,359. PUBLISHED NOVEMBER 10, 1936. Class 23.

342,626. AUTOMOBILE SEAT COVERS. THE BILTMORE MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed September 17, 1936. Serial No. 383,345. PUBLISHED NOVEMBER 10, 1936. Class 32.

342,627. MEN'S OVERCOATS AND TOPCOATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed September 16, 1936. Serial No. 383,327. PUBLISHED NOVEMBER 3, 1936. Class 39.

342,628. GAME PLAYED WITH A MAT, CARDS, AND CHIPS. ARTHUR S. LORD, New York, N. Y.
Filed September 16, 1936. Serial No. 383,314. PUBLISHED NOVEMBER 10, 1936. Class 22.

342,629. WRAPPING PAPER. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif.
Filed September 15, 1936. Serial No. 383,260. PUBLISHED NOVEMBER 10, 1936. Class 37.

342,630. CIGARS. E. REGENSBURG & SONS, New York, N. Y.
Filed September 4, 1936. Serial No. 382,930. PUBLISHED NOVEMBER 3, 1936. Class 17.

342,631. CIGARS. E. REGENSBURG & SONS, New York, N. Y.
Filed September 4, 1936. Serial No. 382,929. PUBLISHED NOVEMBER 3, 1936. Class 17.

342,632. LADIES' AND CHILDREN'S UNDERWEAR OF KNITTED AND TEXTILE MATERIAL. KRUMHOLZ & LICHTBLAU, New York, N. Y.
Filed September 4, 1936. Serial No. 382,919. PUBLISHED OCTOBER 27, 1936. Class 39.

342,633. PLAIN AND SELF RISING WHEAT FLOUR. DIXIE STORES, INCORPORATED, Greenville, S. C.
Filed September 4, 1936. Serial No. 382,908. PUBLISHED NOVEMBER 10, 1936. Class 46.

342,634. WOOLEN AND WORSTED THREADS AND YARNS. THE AMERICAN THREAD COMPANY, New York, N. Y.
Filed September 4, 1936. Serial No. 382,901. PUBLISHED OCTOBER 27, 1936. Class 43.

342,635. FISHING TACKLE—NAMELY, FISHING LURES, FLIES, FLOATING BUGS, AND LEADERS. HOEFER LURES, Minneapolis, Minn.
Filed August 29, 1936. Serial No. 382,702. PUBLISHED NOVEMBER 10, 1936. Class 22.

342,636. PAPER ENVELOPES. HODES-DANIEL CO., INC., New York, N. Y.
Filed August 28, 1936. Serial No. 382,666. PUBLISHED NOVEMBER 3, 1936. Class 37.

342,637. WINDOW CLEANING PREPARATIONS. D. A. COLLINS MFG. CO., INC., Brooklyn, N. Y.
Filed August 28, 1936. Serial No. 382,658. PUBLISHED NOVEMBER 3, 1936. Class 4.

342,638. DECORATED SHEETS FOR APPLICATION TO PANES OF GLASS, WALL, AND OTHER SURFACES. HERMAN MALZ, New York, N. Y.
Filed August 26, 1936. Serial No. 382,644. PUBLISHED NOVEMBER 10, 1936. Class 37.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

342,639. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) REX-WATSON CORPORATION, Canastota, N. Y. Filed May 6, 1936. Serial No. 378,248.

WHITFIELD BODY

For School Bus Bodies, Passenger Bus Bodies, and Trucks.
Claims use since Oct. 1, 1933.

342,640. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JOSSELSON BROS., INC., Ashland, Ky. Filed Apr. 28, 1936. Serial No. 377,740.

Old Botts

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Nov. 1, 1935.

342,641. CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. A. JOHNSON COMPANY, Boston, Mass. Filed Mar. 23, 1936. Serial No. 376,283.

Bestovall

For Food Products—Namely, Fruits and Fruit Preserves, Spiced Fruits, Jams and Jellies in Cans, in Glass, and in Bulk Containers; Dried, Evaporated and Glacé Fruits and Fruit Peels; Canned Crushed Fruits and Canned Fruit Juices for Food Purposes; Cold Pack and Frozen Fruits; Canned Chopped Mix Fruits; Canned Ice Cream Fruits; Maraschino Type Cherries; Canned and Dried Vegetables; Canned Condensed Soups; Mixed Vegetable Compounds, With Soup Stock Base; Canned Fish and Canned Chowder; Canned Pickles, Picalilli and Catsups; Prepared Puddings; Cake and Pudding Mixes; Chocolate Cream Powder for Puddings and Desserts, and Chocolate Shot for Cake Topping; Ornamental Candy Petals, Principally of Sugar, for Decorating Cakes; Coarse Flours—Namely, Graham, Rye, Entire Wheat, White Corn, Rice, Tapioca, Potato; Excluding Bread and Pastry Flours; Meals—Namely, Bran, Corn, Rye, Brown Bread, Oat; Cooking Starches of All Kinds; Leavening Agents—Namely, Baking Powders, and Baking Creams Having No Alum; Cream of Maize for Baking; Macaroni and Spaghetti; Rice; Tapioca; Spices; Seasonings for Poultry Stuffing; Seeds for Food Purposes—Namely, Caraway, Anise, Celery, Cardamon, Fennel; Popcorn; Popcorn Seasoning—Namely, Preservative Oils With Butter Flavor; Cane and Corn Sugar, Invert Sugar; Syrups—Namely, Cane, Corn, Cocoa, Molasses, and Sugar, and Blends thereof; Food Flavorings and Flavoring Extracts; Flavoring Emulsions; Essential Oils for Food Flavors; and Vanilla Beans; Food Oils, Such As Olive Oil, Cottonseed Oil, Cooking and Salad Oils; Salad Dressings; Marshmallow; Macaroon Crunch for Cake Topping; Mince Meat; Pie Fillings; Gelatine, Gelatine Desserts and Prepared Jelly Powders; Whip Powders and Meringue Powders; Icing Pastes; Fondant, for Baking and Confectionery Purposes; Cocoanut, Cocoanut Oil for Food Purposes, and Cocoanut Butter; Cocoa Butter; Honey; Ginger; Tea and Coffee; Cocoa, Chocolate and Hot Choclate Powders and Cocoa Syrup; Milk Prepared in Powdered, Evaporated, Condensed and Malted Forms; Nuts, Shelled and in the Shell; Nut Preparations; Nut Pastes, Such as Almond and Apricot Kernal Pastes.
Claims use since March, 1911.

342,642. (CLASS 39. CLOTHING.) WEYMAN BROTHERS, Los Angeles, Calif. Filed Feb. 24, 1936. Serial No. 375,188.

Westwood

For Women's Hats.
Claims use since Oct. 20, 1935.

342,643. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PARAMOUNT DISTILLING CORPORATION, Chicago, Ill. Filed Dec. 14, 1935. Serial No. 372,634.

OLD PRESTON

For Whiskey.
Claims use since Nov. 4, 1935.

342,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FILICE AND PERRELLI CANNING COMPANY, INC., Richmond, Calif. Filed Dec. 12, 1935. Serial No. 372,556.

FRUTMIX

For a Preparation Made From Various Fruits, Berries, and Vegetables to be Used in Making Salads and Various Forms of Desserts.
Claims use since Dec. 4, 1935.

342,645. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) K. C. SEELBACH CO., INC., New York, N. Y. Filed Nov. 24, 1936. Serial No. 385,945.

Long Life

For Plates for Meatchoppers.
Claims use since Sept. 26, 1931.

342,646. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) STANDARD SPIRITS CORPORATION, Boston, Mass. Filed Nov. 14, 1936. Serial No. 385,543.

STERLING

For Pure Alcohol and Grain Alcohol.
Claims use since March, 1934.

342,647. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAS. H. MATTHEWS & Co., Pittsburgh, Pa. Filed Sept. 16, 1936. Serial No. 383,317.

TUF FACE

For Stamping and Embossing Dies.
Claims use since November, 1935.

342,648. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAS. H. MATTHEWS & Co., Pittsburgh, Pa. Filed Sept. 16, 1936. Serial No. 383,316.

SAFE HED

For Stamping and Embossing Dies.
Claims use since November, 1935.

342,649. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) IRWIN C. RINN, doing business as Chicago X-Ray Film & Mount Co., Chicago, Ill. Filed Aug. 31, 1936. Serial No. 382,768.

EEZEEMOUNT

For Film Mounts and Film Holders.
Claims use since Feb. 12, 1934.

342,650. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AMERICAN ART CLAY COMPANY, Indianapolis, Ind. Filed July 23, 1936. Serial No. 381,349.

PLAST-I-CLAY

For Modeling Clay.
Claims use since January, 1931.

342,651. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE WESTON, LIMITED, Passaic, N. J. Filed June 12, 1936. Serial No. 379,657.

Weston's CRACKERETTES

For Crackers.
Claims use since Nov. 1, 1935.

342,652. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIDSON BISCUIT COMPANY, Mount Vernon, Ill. Filed June 1, 1936. Serial No. 379,085.

Normandie

For Biscuits.
Claims use since Dec. 2, 1935.

342,653. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WEST POINT MANUFACTURING COMPANY, West Point, Ga. Filed May 21, 1936. Serial No. 378,720.

DRY-ME-DRY

For Towelling.
Claims use since Nov. 29, 1935.

342,654. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CLUFF & PICKERING, LTD., New York, N. Y., Glasgow, Scotland, and Manchester, England. Filed Sept. 19, 1935. Serial No. 869,479.

DENNISON'S

For Whiskey.
Claims use since Sept. 11, 1935.

342,655. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE A. M. LEWIN LUMBER CO., Cincinnati, and Madisonville, Cincinnati, Ohio. Filed Oct. 17, 1935. Serial No. 370,471.

DISPLA-WEL

For Wooden Display Racks for Displaying Bananas.
Claims use since Oct. 11, 1935.

342,656. (CLASS 39. CLOTHING.) LEO J. GOLDBERGER, New York, N. Y. Filed Oct. 30, 1935. Serial No. 370,991.

FAN-CEE PAN-TEE

For Children's Dresses, Blouses, and Jumpers.
Claims use since Sept. 25, 1935.

342,657. (CLASS 37. PAPER AND STATIONERY.) UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed Nov. 7, 1935. Serial No. 371,326.

SELF SEAL

For Envelopes and Writing Paper.
Claims use since Aug. 22, 1935.

342,658. (CLASS 37. PAPER AND STATIONERY.) UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed Nov. 7, 1935. Serial No. 371,327.

Selfseal

For Envelopes and Writing Paper.
Claims use since Aug. 22, 1935.

342,659. (CLASS 30. CLOTHING.) I. C. HERMAN & COMPANY, INC., New York, N. Y. Filed Nov. 15, 1935. Serial No. 371,593.

MAN-KERCHIEF

For Men's Handkerchiefs.
Claims use since Oct. 1, 1935.

342,660. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BURKE & JAMES, INC., Chicago, Ill. Filed Oct. 12, 1936. Serial No. 384,241.

WHITE RAY

For Electric Light Bulbs.
Claims use since September, 1934.

LABELS

REGISTERED JANUARY 19, 1937

48,732.—*Title:* GOODY MAGIC TWIRLER STRINGS. For Twirler Strings. ISIDOR SHULMAN, doing business as Goody Manufacturing Co., New York, N. Y. Published November 23, 1936.

48,733.—*Title:* STEVENSON STREAMLINE. For Oil Tempered Forks and Heat Treated Scoops. CHAS. A. STEVENSON, Kansas City, Mo. Published October 7, 1936.

48,734.—*Title:* BAN-DAN. For Hair Dressing. CORNELIUS C. VANDERHOOVEN, doing business as Ban Dan Laboratories, Asheville, N. C. Published October 28, 1936.

PRINTS

REGISTERED JANUARY 19, 1937

16,002.—*Title:* THE CHILTON WING-FLOW PEN. For Fountain Pens, Pencils, Fountain Pen and Pencil Sets, and Pen Desk Sets. THE CHILTON PEN COMPANY, INC., New York, N. Y., and Long Island City, N. Y. Published November 23, 1936.

16,003.—*Title:* OSH B'GOSH—THE WORLD'S BEST OVERALL. For Overalls. OSHKOSH OVERALL COMPANY, Oshkosh, Wis. Published October 20, 1936.

16,004.—*Title:* ENJOY THIS "EXTRA HELP" ON BAKE DAY! For Flour. ROYAL MILLING COMPANY, Minneapolis, Minn. Published November 1, 1936.

16,005.—*Title:* TRY THIS SIMPLER WAY TO BAKE. For Flour. ROYAL MILLING COMPANY, Minneapolis, Minn. Published October 15, 1936.

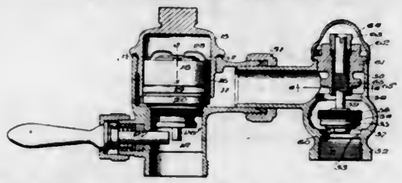
16,006.—*Title:* WORK IS MADE EASIER. For Flour. ROYAL MILLING COMPANY, Minneapolis, Minn. Published November 15, 1936.

16,007.—*Title:* DESIGN AND CONSTRUCTION DATA FOR VOLCOLITE PRECAST JOISTS AND SLABS. For Precast Joists and Slabs. VOLCANIC PRODUCTS CORPORATION, Chicago, Ill. Published September 25, 1936.

REISSUES

JANUARY 19, 1937

20,246
VALVE
Frederick C. Binnall, Wilmington, Del.
Original No. 2,026,506, dated December 31, 1935, Serial No. 636,060, October 3, 1932. Application for reissue November 14, 1936, Serial No. 110,944
30 Claims. (Cl. 137—93)

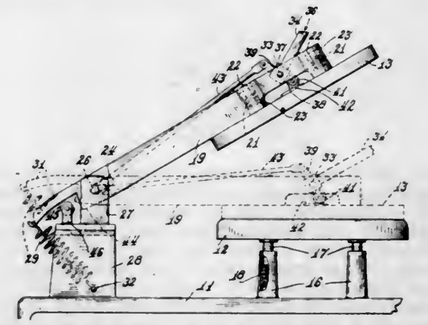


30. A device as specified in claim 2, adapted for use as a metering flush valve, in which the said casing includes a part forming a wall portion of an outlet-port portion of said passageway and having a valve-seat shoulder extending about said outlet-port, and in which said throttling member comprises a valve part which is adjustable axially relative to said port into and out of position to close said port and which includes a shoulder in abutting relation with the first mentioned shoulder, and which also includes a portion moved into and out of said port as said valve part is adjusted into and out of its port closing position, said last mentioned portion having a peripheral wall which, in the port closing position of the valve part is closely adjacent and enveloped by the wall portion of said casing, and in which said silencing means is carried by one of the above mentioned valve and casing parts, and in which the said restricted throat is defined by said casing and valve parts as the latter approaches its port closing position.

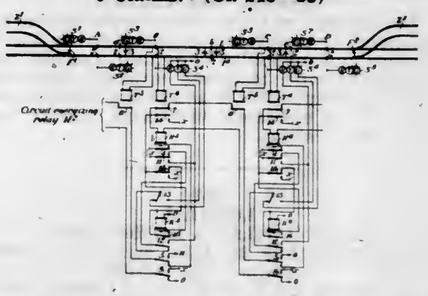
20,247
PRESSING AND IRONING MACHINE
George C. Engbrecht and Arthur J. Olsen, Chicago, Ill., and Anton M. Olsen, Milwaukee, Wis., assignors to Permo Products Corporation, a corporation of Illinois
Original application October 8, 1931, Serial No. 567,648. Divided and application August 27, 1934, Serial No. 741,698. Original No. 1,981,410, dated November 20, 1934. Application for reissue November 20, 1936, Serial No. 111,862. In Canada February 25, 1932
31 Claims. (Cl. 38—32)

1. A garment ironing machine including a pressing head and a buck, a movable supporting member on which said head is mounted, said head and member being movable toward and away from said buck and laterally thereof, an operating handle mounted on said member for moving said head toward and away from said buck, said handle being movable relative to said member, means actuated by said handle to move said support laterally of the buck and slide said head over the face of the buck while said parts are in pressing engagement, means to lock said parts in pressing engagement, and cam means actuated by movement of the handle to urge the head tightly against said buck.

28. A pressing machine comprising, in combination, a head and a buck, said head having parts slidably mounted on a pivotally mounted support, springs normally holding said head spaced from said support, means on said support operable to carry the support and head downwardly toward said buck and lock the head in engagement with the buck, and means actuated by said head moving means to assist said springs to urge the head tightly against the buck.



20,248
RAILWAY SIGNALING SYSTEM
Henry S. Young, Wilkinsburg, and Ronald A. McCann, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original No. 1,958,177, dated May 8, 1934, Serial No. 613,964, May 27, 1932. Renewed September 27, 1933. Application for reissue July 30, 1935, Serial No. 33,866
9 Claims. (Cl. 246—33)



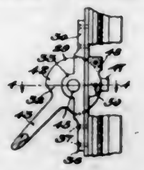
5. In combination, a stretch of railway track, a signal capable of displaying a first or a second indication for governing traffic movements in said stretch, a signal relay, a stick relay, a pick-up circuit for said stick relay which becomes closed when a train enters a given portion of said stretch while said signal relay is energized, a stick circuit for said stick relay including a back contact of said signal relay, a circuit controlled by a front contact of said signal relay and by a back contact of said stick relay for controlling said first indication, and a circuit controlled by a front contact of said signal relay and by a front contact of said stick relay for controlling said second indication.

20,249
CASEMENT WINDOW FASTENER

Edward H. Ellison, deceased, late of Jamestown, N. Y., by Hope's Windows Inc., assignee, Jamestown, N. Y., a corporation

Original application November 9, 1929, Serial No. 405,937. Divided and application October 22, 1930, Serial No. 490,449. Original No. 1,988,306, dated January 15, 1935. Application for reissue May 13, 1936, Serial No. 80,587

6 Claims. (Cl. 292—241)



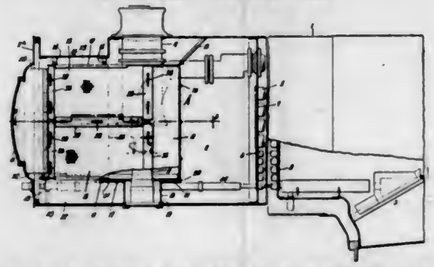
3. For a casement window construction including a frame and sash, said frame having an opening, a supporting bracket secured to said frame adjacent said opening, and said sash having a contact means thereon for disposition in proximity to said bracket when said sash approaches closed position, a latch comprising a member rotatably carried at an angle to said frame on said bracket, a disk-like portion on said member having its peripheral edge lying closely adjacent the walls of the frame opening in all rotative positions of said member, and means associated with said member coacting with said contact means imposing a camming action whereby to effect drawing in of said sash to final closed position.

20,250
LOCOMOTIVE

Eugene L. Schellens, Ridgewood, N. J., assignor to C-S Engineering Company, Englewood, N. J., a corporation of Delaware

Application June 27, 1932, Serial No. 619,458. Divided and application June 8, 1933, Serial No. 674,793. Patent No. 2,017,134, dated October 15, 1935. This application for reissue December 7, 1935, Serial No. 53,439

9 Claims. (Cl. 110—122)



1. In a locomotive having a smoke box and stack, the combination of a cinder separating device in said smoke box in complete surrounding relation to the stack inlet and having a screened opening through which gases must pass to enter the stack, an imperforate bottom wall for said device, and a well connected with said bottom and secured to the smoke box wall with leak-proof connection, said well having communication with the interior of said device for the collection of stack drip.

PLANT PATENTS

GRANTED JANUARY 19, 1937

220
SUGAR CANE

Benjamin Arthur Bourne, Clewiston, Fla.

Application October 1, 1936, Serial No. 103,601

1 Claim. (Cl. 47—59)

The variety of sugar cane herein shown and described, characterized particularly by its resistance and immunity to certain diseases, high tonnage of cane, moderate earliness, distinctive color and shape of stalk and bud, distinctive pattern of stem epidermis, very large diameter and solid, heavy stalks.

221
LOBELIA

Esther C. Johnson, La Mesa, Calif.

Application July 22, 1936, Serial No. 91,880

1 Claim. (Cl. 47—60)

A new and distinct variety of Lobelia, herein shown and described, characterized particularly by its very double, flat rosette form of flower of ultramarine blue with five linear sepals acutely pointed and the plant compact and perennial.

222
ROSE

Kellar Carbaugh, Lower Yoder Township, Cambria County, Pa., assignor to Johnstown Greenhouses, Inc., Johnstown, Pa.

Application July 1, 1936, Serial No. 88,461

1 Claim. (Cl. 47—61)

The new and distinctive variety of rose plant, substantially as shown and described, characterized by the large size of its foliage, the size and length of its stem, the distinctive coloring of both bud and bloom, large size of bloom, its great fragrance, many petals, and lasting quality as a cut flower.

223
ROSE

Alexander Dickson, Jr., Newtownards, near Belfast, Ireland, assignor to Henry A. Dreer, Incorporated, Philadelphia, Pa., a corporation of New Jersey

Application July 29, 1936, Serial No. 93,288

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant as shown and described, characterized particularly by the distinctive dark red coloring and peony-like form of its fall blossoms, in combination with its vigorous growth and free blooming habits.

224
CAMELLIA

Edward A. McIlhenny, Avery Island, La.

Application August 7, 1936, Serial No. 94,873

1 Claim. (Cl. 47—60)

A new and distinct variety of *Camellia japonica* characterized as to novelty by the unusual size and the distinctive color of its bud and bloom, substantially as shown and described.

225
HYBRID POPLAR

Ralph H. McKee, New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y., a corporation of New York

Original application August 26, 1930, Serial No. 477,979. Divided and this application January 28, 1935, Serial No. 3,858. Renewed July 25, 1936

1 Claim. (Cl. 47—59)

A hybrid poplar as described, characterized by its very rapid rate of growth, its great fiber length, its large leaves, its disease resistance, and its ability to thrive and maintain substantially its maximum rate of growth in the absence of fertilizer.

226
HYBRID POPLAR

Ralph H. McKee, New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y., a corporation of New York

Original application August 26, 1930, Serial No. 477,979. Divided and this application June 29, 1935, Serial No. 29,145

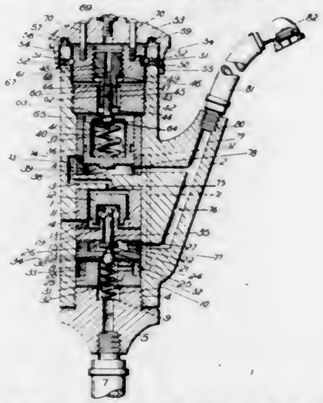
1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized particularly by its rapid growth, its hardiness, its large leaves, and its resistance to disease.

PATENTS

GRANTED JANUARY 19, 1937

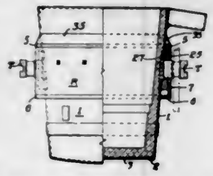
2,067,882
TIRE INFLATER
Joseph H. Alessi, Denver, Colo., assignor, by direct and mesne assignments, to George S. Postma, Denver, Colo.
Application August 20, 1934, Serial No. 740,716
4 Claims. (Cl. 50—11)



1. A device for use in charging a container with a given pressure from a reservoir containing air at a higher pressure comprising in combination, a body member having a cylindrical opening extending therethrough, and divided into an upper and a lower compartment by an imperforate transverse partition, an adjustable pressure control device comprising a grooved piston located in the upper compartment, a valve mechanism in the lower compartment, the body member having three passages for interconnecting the two compartments, one of the passages extending from a point near the lower end of the lower compartment to a point some distance above the bottom of the upper compartment, a complementary passage extending from a point similarly located in the upper compartment as that of the first passage, to a point near the top of the lower compartment, a branched discharge passage having one end in communication with the lower compartment at a point above the corresponding opening from the first passage and the other end in communication with the upper compartment near its bottom, the lower end of the lower compartment being provided with an inlet opening for establishing connection with a pressure fluid reservoir, said opening being in constant communication with the lower end of the first mentioned passage, a valve interposed between the inlet opening and the opening into the branched discharge passage, and means controlled by the pressure in the discharge passage and comprising the control device for opening the valve when the pressure in the discharge passage falls below a predetermined minimum.

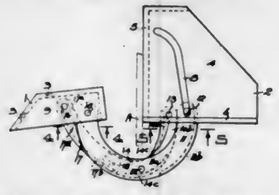
2,067,883
LADLE STRUCTURE
Lee E. Allen, New Castle, Pa., assignor to Pennsylvania Engineering Works, a corporation of Pennsylvania
Application February 18, 1936, Serial No. 64,508
8 Claims. (Cl. 22—84)

1. A ladle, a shell composed of a series of plates welded together, a series of plates welded together to form a flanged ring surrounding said shell plates with the flanges thereof abutting against said shell, to form therewith a trunnion



ring of substantially hollow box shape in section and members extending between the flanges of said ring and mortised to said ring and said shell.

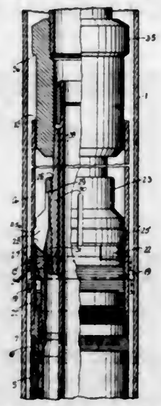
2,067,884
HINGE
Fred G. Bates, Highland Park, Mich.
Application February 23, 1935, Serial No. 7,681
3 Claims. (Cl. 16—166)



1. A hinge comprising a shallower and a deeper plate, one margin of the shallower plate resting substantially parallel and contiguous to the margin of the deeper plate when the hinge is closed, guide means carried by the deeper plate extending substantially at right angles to the aforesaid margin of the deeper plate for the greater portion of the depth of the latter, a connecting member pivoted to the shallower plate at one extremity and having its opposite extremity slidable in said guide means, an arm pivoted intermediately of its length upon said member and having one extremity pivoted on said deeper plate, and a link pivoted at one extremity upon the shallower plate and pivoted at its other extremity to said arm.

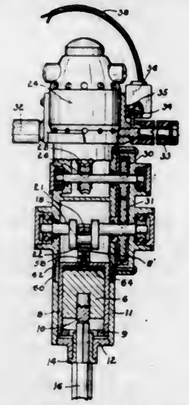
2,067,885
SETTING TOOL FOR PACKERS AND THE LIKE
Cicero C. Brown, Houston, Tex.
Application May 3, 1934, Serial No. 723,678
10 Claims. (Cl. 166—10)

1. A setting tool for well packers having a packer barrel, a packing member thereon and a packer setting sleeve secured to the upper end of said packing member and slidable on said packer barrel, including a mandrel, a setting collar thereon adapted to engage upon said setting sleeve, a latching collar having a threaded connection with said mandrel, a projection on said latching collar adapted for engagement within a groove in said setting sleeve, means on said mandrel engaging beneath said latching collar to retain said projection fixed in said groove, and a nipple on said packer barrel interengaging with said latching collar, said latching collar being releasable both from said mandrel and said setting



sleeve upon downward screwing of said mandrel relative to said latching collar.

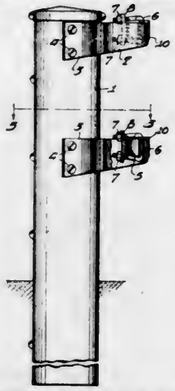
2,067,886
FREE PISTON POWER HAMMER
Horace Byford, Seattle, Wash., assignor to Byford Electric Hammer Co., Inc., Seattle, Wash., a corporation of Washington
Application September 13, 1935, Serial No. 40,505
2 Claims. (Cl. 125—34)



1. In a power operated hammer, the combination with a barrel having a crank shaft journaled therein, a cylinder in said barrel having a valve seat in its upper end, an inwardly opening spring pressed air valve in said seat, a free striking piston in said cylinder, a spring interposed between the piston and the upper end of the cylinder, a cross head on the cylinder, and means forming a transversely reciprocating bearing between said cross head and said crank shaft.

2,067,887
ROAD GUARD
Eugene V. Camp, Atlanta, Ga.
Application January 14, 1933, Serial No. 651,798
28 Claims. (Cl. 256—13.1)

1. A road guard, comprising a series of spaced posts, a strip of sheet metal extending along the series of posts, and means for securing the strip to each post including a support secured to the post having a reentrant portion in the front face thereof, and an adjustable clamp engaging the

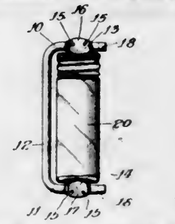


strip and the support and adapted to draw the strip into the reentrant portion.

2,067,888
PROCESS FOR THE TREATMENT OF TEXTILE FIBERS AND THE RESULTS PRODUCED THEREBY
Dale S. Chamberlin, Bethlehem, Pa., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application January 10, 1934, Serial No. 706,045
14 Claims. (Cl. 91—68)

1. A composition of matter adapted for the treatment of silk in oil-in-water emulsion, comprising a mixture of a water-insoluble wax, a soap of a mineral oil sulfonic acid and a sulfonated fatty oil.

2,067,889
DENTAL FLOSS APPLICATOR
Albert B. Collingbourne, Elgin, Ill.
Application June 3, 1935, Serial No. 24,650
2 Claims. (Cl. 132—91)

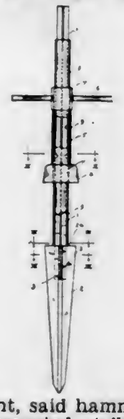


1. An applicator for dental floss comprising a body member and spaced apart arms extending substantially at right angles to the body member from the ends of the body, the arms being provided between their ends, on their inner sides, with curved edges adapted to engage the bottom and cover of a floss-holding vial, and notched portions on the outer side of each arm, each of said arms being grooved in its free end.

2,067,890
POST DRIVER
George L. Collord, Pittsburgh, Pa.
Application March 12, 1936, Serial No. 68,440
1 Claim. (Cl. 61—73)

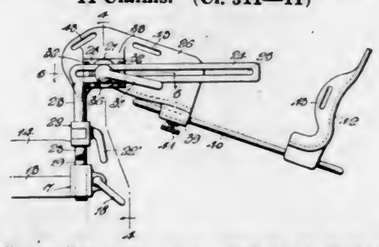
In hammer-driving assembly the combination of a metallic post comprising a bar element and

an anchoring and ground-penetrating shoe embedding the lower terminal region of the bar element of the post and having an upwardly presented striking face extended radially from the bar together with a tubular guard element closely embracing the bar element of the post and resting upon the upwardly presented face of the post shoe, and a perforate hammer weight closely surrounding and traversable upon the said tub-



ular guard element, said hammer weight having a downwardly presented striking face complementary to the upwardly presented striking face of the post shoe; whereby in hammer-driving the composite post the tubular guard element both protects the post bar from friction in traversing movement of the hammer weight and spaces the hammer weight from the junction line between the post bar and the embedding body of the post shoe.

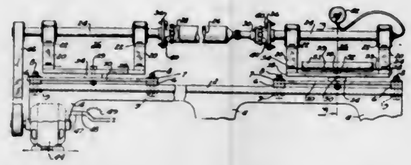
2,067,891
LEG-SUPPORTING MEANS FOR OBSTETRICAL BEDS
Adrian Comper, Pittsfield, Mass., assignor to Hospital Appliances, Inc., Pittsfield, Mass., a corporation of Massachusetts
Application December 27, 1935, Serial No. 56,378
11 Claims. (Cl. 311—11)



7. In a leg supporting means, a support, a saddle to underlie the knee, means adjustably mounting said saddle upon said support, a rod independent of said support and connected with said saddle in position to lie at the back of the lower leg, and a foot plate mounted upon said rod.

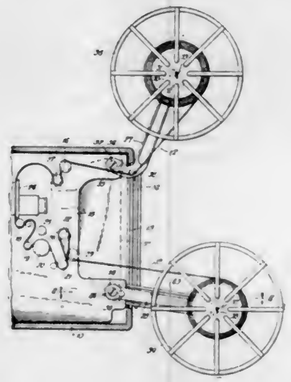
2,067,892
TESTING APPARATUS
Erwin C. Cooper, Roseville, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 19, 1934, Serial No. 753,613
8 Claims. (Cl. 73—51)

8. In a machine for testing the unbalance of rotated parts, gage mechanism comprising a liquid containing pan, and yieldable supporting means for said pan subjected to vibrations produced by a part rotated on said machine, said pan having



a flexible bottom for amplifying vibrations of said supporting means upon the surface of the liquid.

2,067,893
PORTABLE PROJECTOR
Herman A. de Vry, Chicago, Ill.
Application February 29, 1936, Serial No. 66,335
9 Claims. (Cl. 242—55)

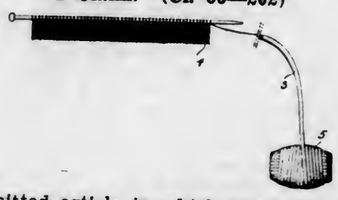


3. A portable projector comprising a housing, film handling mechanism in said housing, film reel supporting arms, means movably mounting said arms in the housing, said housing being apertured to provide passageway for extending the free ends of said arms outside the housing, said arms having means at their free ends for detachably mounting film reels thereon, said arms being foldable within the housing.

2,067,894
AROMATIC MERCURY SALTS OF AN OXYGEN ACID OF A HALOGEN
Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application April 18, 1935, Serial No. 17,061
11 Claims. (Cl. 260—13)

1. A new organic compound of the general formula $RHg.R_1$, in which R represents an aromatic structure, to a carbon atom of which the mercury is directly attached and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury; and in which R_1 represents a radical corresponding to an oxygen acid of a halogen, which radical is linked to an RHg group through the replacement of an acidic hydrogen atom.

2,067,895
KNITTED ARTICLE
Ida Arbib, New York, N. Y.
Application December 29, 1934, Serial No. 759,618
1 Claim. (Cl. 66—202)

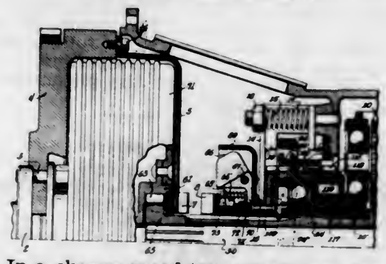


A knitted article in which the yarn forming said article comprises a very long thin thread or strand produced from a flat sheet of soft suede-like leather.

2,067,896
SURFACE HARDENED CAST IRON ARTICLES OF MANUFACTURE
Marie Louis André Babinet, Boulogne-sur-Seine, France, assignor, by mesne assignments, to The Nitricastiron Corporation, a corporation of Delaware
No Drawing. Application July 14, 1931, Serial No. 550,758
16 Claims. (Cl. 148—3)

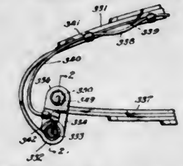
1. Process of preparing nitride hardened cast iron articles of manufacture, which comprises forming molten cast iron containing one or more alloying elements adapted to render the cast iron susceptible of being surface hardened by nitriding, casting and heat treating the alloyed cast iron to develop in the cast product a physical structure characterized by uniform dissemination of at least a large part of the carbon content in finely divided form as elemental carbon in a sorbitic matrix, and finally surface hardening such product by nitriding.

2,067,897
AUTOMATIC TRANSMISSION
Oscar H. Banker, Chicago, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Illinois
Application June 14, 1935, Serial No. 26,608
3 Claims. (Cl. 74—260)



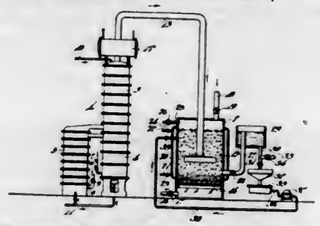
2. In a change speed transmission mechanism, the combination of a drive shaft, a driven shaft, a planetary gear unit connecting said shafts including a pair of transmission drive shafts, clutch mechanism connecting one of said transmission drive shafts with said first named drive shaft, speed responsive overrunning jaw clutch mechanism for establishing the drive through the other of said transmission drive shafts on a temporary reduction in speed of the first named drive shaft and connecting said last named shafts directly together, and a manually operable means for also controlling said jaw clutch mechanism and establishing the drive from said second transmission drive shaft to said first named drive shaft.

2,067,898
LUBRICATION
Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Original application March 27, 1923, Serial No. 627,953, now Patent No. 1,845,826, dated February 6, 1932. Divided and this application January 27, 1932, Serial No. 589,286. In Great Britain July 25, 1924
6 Claims. (Cl. 184—7)



1. In a vehicle of the type which includes a semi-elliptic rear spring, a spring shackle at the rear end thereof and a leaf spring structure rigidly connected at one end to the channel frame and having an eye at its end encircling the lower bolt of the shackle link; the combination therewith of a conduit from the channel frame along one of said spring elements to the shackle bolt at the end of the spring element, said conduit being mounted to flex with said spring, and means associated with the shackle for supplying part of the lubricant delivered thereto to the other bolt thereof.

2,067,899
MANUFACTURE OF AMMONIUM SULPHATE
Gilbert A. Bragg, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application January 20, 1932, Serial No. 587,630
1 Claim. (Cl. 23—119)



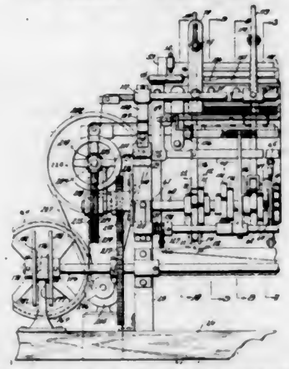
In a process of preparing ammonium sulphate directly from SO_2, ammonia and oxygen which process comprises introducing the SO_2 and oxygen through a porous medium into a bath of saturated ammonium sulphate simultaneously with the introduction of the ammonia into the bath to thereby form ammonia sulphate directly from the SO_2, oxygen and ammonia in the bath, the improvement comprising: introducing the ammonia as ammonia still gases resulting from direct steam distillation of ammonia liquor into the saturated ammonium sulphate bath and while the gases are still hot from the ammonia distillation and maintaining the temperature of the bath at approximately 93° to 94° C. in order to maintain the volume constant and withdrawing the spent ammonia still gases from the bath while still containing their original content of water vapor.

2,067,900

KNITTING MACHINE FOR MANUFACTURE OF ELASTIC STRIPS OR PIECES

Newby O. Brantly, Philadelphia, Pa., assignor to Penn Elastic Company, Inc., Philadelphia, Pa., a corporation of Delaware

Application January 15, 1935, Serial No. 1,914
5 Claims. (Cl. 66—83)



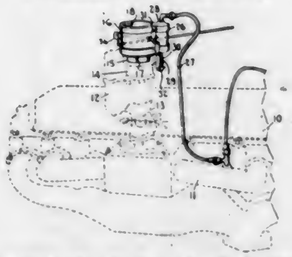
1. The combination of a permanently fixed bank of needles, power driven means for laying a knitting thread to said needles, power operated means for sinking said thread around said needles, a series of cover points aligned with predetermined needles respectively, power driven means for operating said points to lift hanging stitches from the aligned needles, power driven means for laying an inlay thread to said needles during the holding of said lifted stitches on said points, power driven means for operating the sinkers relative to the needles to force hanging stitches from the needles not aligned with cover points, said point operating means being subsequently operated to return the lifted stitches to the needles aligned therewith, power driven means for shogging the cover points laterally a predetermined distance, means limiting the lateral movement of said points to align the points accurately with another group of needles, and means resiliently compensating for the difference between the motion of the shogging means and the lateral movement of the points.

2,067,901

REGULATING VALVE FOR CARBURETORS

Edward T. Condon, New York, N. Y.

Application November 14, 1933, Serial No. 697,899
5 Claims. (Cl. 123—119)



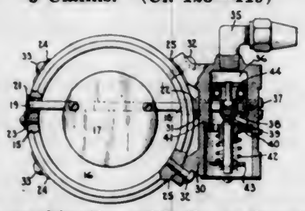
1. The combination with a carburetor having an air intake passage and a throttle valve and adapted for use with an internal combustion engine provided with an intake pipe, of a regulating valve for the air supplied to the carburetor, said valve comprising a casing having a through passageway and adapted to be fitted to the carburetor air intake passage, pneumatically operating means associated with the casing adapted for communication with the engine intake pipe beyond the throttle valve of the carburetor, a valve member movably mounted within the casing to swing about an axis perpendicular to the longitudinal axis of said casing and of an effective area substantially less than the cross-sectional area of the casing passageway to afford a predetermined circular opening for the introduction of air to the carburetor irrespective of the position of said valve member, means connecting the latter with the pneumatically operating means, and a member movably mounted within the casing adapted to fit within the predetermined opening provided by the said valve member to cut off substantially the flow of air through the said casing, and means to bias said movably mounted member to normally position the same parallel to the flow through the casing.

2,067,902

AIR REGULATING VALVE FOR CARBURETORS

Edward T. Condon, New York, N. Y.

Application June 5, 1934, Serial No. 729,081
3 Claims. (Cl. 123—119)



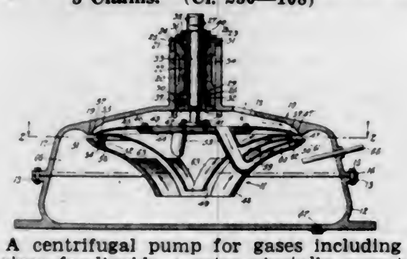
1. The combination with the carburetor of an internal combustion engine having an intake pipe and the carburetor being provided with an air horn for the admission of air; of a valve casing embodying means for holding the casing in fixed relationship to the said air horn to extend the same longitudinally, a disk within the valve casing of an effective area less than the cross-sectional area of the casing passage thereat and affording thereby a predetermined permanent opening for the introduction of air to the carburetor irrespective of the position of the valve disk, means for eccentrically supporting said disk to rock within the casing, and pneumatically actuated means connected with the supporting means and communicating with the intake pipe for rocking the disk to vary the total opening through the valve in direct proportion to the degree of vacuum to which the pneumatically actuated means is subjected.

2,067,903

CENTRIFUGAL PUMP

Respess Hassell Davis, Henry, Va.

Application January 14, 1936, Serial No. 59,010
5 Claims. (Cl. 230—108)



1. A centrifugal pump for gases including a container for liquids, a rotor pivotally mounted

in said container and having a circular upper portion provided with a continuous master jet extending around the periphery thereof and a plurality of alternately disposed continuous liquid and gas subsidiary jets disposed inside the master jet, said subsidiary gas jets having means for connecting them to a source of the gas to be pumped, and centrifugally operated means including generally truncated cone-shaped members extending from said subsidiary liquid jets downwardly for forcing liquid from said container through said liquid jets and thence through the master jet when the rotor is rotated.

2,067,904

COWLING ATTACHMENT

Théophile de Port, New Carlisle, Ohio

Application March 2, 1932, Serial No. 596,275
3 Claims. (Cl. 244—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



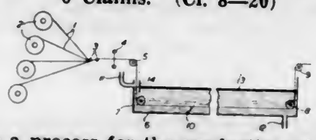
1. In a split annular cowling of the type adapted to be disposed about the periphery of the cylinders of a radial aircraft engine, a plurality of members conforming to the valve housing laterally and longitudinally carried by said cowling and having paddings disposed therein for engagement with the valve housings of said cylinders, said members being so constructed and arranged as to cooperate with said cowling when clamped about said engine cylinders to floatingly support said cowling thereon and to limit the relative movement therebetween in all directions.

2,067,905

PRODUCTION AND TREATMENT OF ARTIFICIAL FILAMENTS, THREADS, FOILS, AND THE LIKE

William Alexander Dickie, Robert Wighton Moncrieff, and Charles William North, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application September 19, 1933, Serial No. 690,122
In Great Britain October 28, 1932
6 Claims. (Cl. 8—20)



1. In a process for the production of artificial filaments, yarns, threads and like textile materials, the steps of continuously treating said artificial materials in a bath containing a volatile constituent, maintaining the surface of said bath substantially covered with a layer of liquid substantially immiscible therewith and of low volatility, and drawing the said materials continuously through the bath in such a way that they do not come into contact with said surface layer of liquid on entering the bath.

2,067,906

MANUFACTURE OF PIGMENTS

Henry Dourif, Huntington, W. Va.

No Drawing. Application August 15, 1934, Serial No. 740,003
1 Claim. (Cl. 134—39)

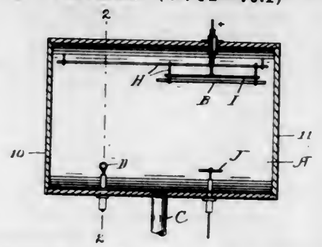
In the manufacture of pigment products, the process of freeing the pigment from suspension in a water pulp which comprises freezing the water pulp, shaving the frozen water pulp to produce a snow-like mass, receiving the snow-like mass in a chilled vehicle, agitating the mixture of chilled vehicle and snow-like mass and simultaneously raising the temperature of the mixture to the melting point of water, whereby the pigment is flushed into the vehicle, and eliminating the freed water from the mixture of pigment and vehicle.

2,067,907

MIRROR, PROCESS OF MAKING SAME, AND COMPOSITION OF REFLECTING ELEMENT THEREFOR

Hiram W. Edwards, Los Angeles, Calif., assignor to Don Baxter, Inc., Glendale, Calif., a corporation of Nevada, as trustee

Application May 1, 1933, Serial No. 668,805
7 Claims. (Cl. 91—70.1)



1. The method of producing a mirror, including exposing an entity such as a reflector body in a vacuum chamber, subjecting the surface of said body to the action of an electrical discharge while exposed in said chamber, and then condensing vapor from an alloy of aluminum and magnesium on said exposed surface in said chamber.

2,067,908

PROCESS AND PRODUCT FOR MANUFACTURING LEAVENED BREAD

Albert K. Epstein and Benjamin R. Harris, Chicago, Ill., assignors to Standard Brands, Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application October 20, 1930, Serial No. 490,089
24 Claims. (Cl. 99—91)

1. A process for producing leavened bread which comprises supplying to a dough batch containing yeast, a readily available carbohydrate material, carbamid, urease, and an innocuous oxidizing agent for activating the urease in said dough batch.

2,067,909

METHOD OF AND MEANS FOR REMOVING HAIR

Edward Fetter, Baltimore, Md.; Florence A. Kemler, executrix of said Edward Fetter, deceased, assignor, by mesne assignments, to Henry V. Lucas, Baltimore, Md.

No Drawing. Application November 4, 1933, Serial No. 696,641
1 Claim. (Cl. 167—89)

The method of removing undesired growths of hair from human beings which consists in applying to the portion of the skin to be treated a solution of raw rubber in a volatile solvent for the rubber, and permitting the solvent to evaporate until a cohesive coating of the deposited

rubber is formed in which the hair is impounded, affixing a sheet of raw rubber to the coating by adhesion, and withdrawing the sheet of rubber with the coating and the hair impounded therein.

2,067,910

COATING COMPOSITION AND METHOD FOR PRODUCTION THEREOF

John Fletcher, Kenmore, N. Y., assignor to Plastergon Wall Board Company, Buffalo, N. Y., a corporation of New York

No Drawing. Application July 26, 1935, Serial No. 33,239

11 Claims. (Cl. 134—26)

2. An improved varnish composition capable of forming a smooth finish on baking and comprising a solution having dissolved therein a separately formed thermo-setting, phenol-formaldehyde resin which has been condensed with the phenol and formaldehyde as the principal reaction agents in approximately molecular proportions and with the condensation of said agents arrested after the resin reaches approximately the consistency of fresh putty and before it reaches the hard, infusible and insoluble stage, the other of said resins being selected from the group consisting of polybasic acid-polyhydric alcohol esters, natural gum resins and the gasoline insoluble portion of oxidized abietic acid, said solution containing a relatively low boiling solvent and also a phenol, with the phenol of the solvent present in a quantity equalling more than approximately 5% of the quantity of thermo-setting resin in the solution.

2,067,911

PROCESS OF MAKING LEAVENED BREAD

Charles N. Frey, Alfred S. Schultz, and Elmer B. Brown, New York, N. Y., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del., a corporation of Delaware

No Drawing. Application November 3, 1927, Serial No. 230,924

12 Claims. (Cl. 99—91)

1. A process of manufacturing yeast leavened bread, which comprises mixing with the flour, yeast and other dough ingredients a small quantity of urea and a relatively insoluble acid substance having a distinct acidity.

2,067,912

BREAD MANUFACTURE AND COMPOSITIONS OF MATTER FOR USE IN SAME

Charles N. Frey and Alfred Schultz, New York, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application June 13, 1930, Serial No. 461,042

17 Claims. (Cl. 99—91)

1. A new composition of matter adapted for use with flour, yeast and other dough ingredients in the manufacture of yeast leavened bread, comprising in combination, a source of yeast assimilable nitrogen, a yeast stimulating agent containing calcium, a dough maturing agent of the oxidizing type, and a natural agent of the legume type acting to improve the interior color and increase the absorption.

14. A process for producing leavened bread which comprises supplying to a dough batch containing flour, water, yeast and other dough ingredients, an innocuous amid, soy-bean flour, an innocuous salt of calcium and an innocuous oxidizing agent.

2,067,913

PROCESS OF MAKING LICORICE MASS

William L. Geddes, Sussex, N. Y., assignor to MacAndrews and Forbes Company, Camden, N. J., a corporation of New Jersey

No Drawing. Application March 7, 1935, Serial No. 9,915

4 Claims. (Cl. 99—140)

1. The herein described process of making licorice mass, which comprises preparing a concentrated licorice extract, drying the extract to obtain finely divided solid licorice particles, and molding the solid particles under pressure to cause coalescence thereof.

2,067,914

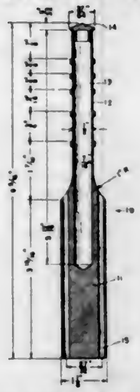
SALINOMETER

Vincent H. Godfrey, United States Navy

Application August 28, 1935, Serial No. 38,167

3 Claims. (Cl. 265—45)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A salinometer made solely of non-frangible material of the same density throughout having substantially the same coefficient of expansion as the liquid in which it is to be used, said salinometer comprising a base portion and a stem portion extending from said base portion and a hollow extending through said stem portion partly into said base portion, a plurality of spaced division marks on said stem portion, the diameter of said base portion being greater than double the diameter of said stem portion.

2,067,915

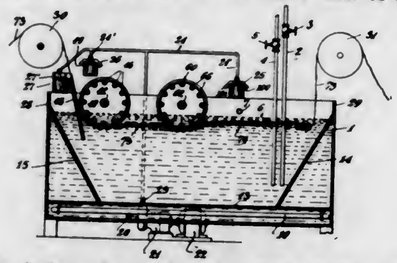
APPARATUS FOR THE CONTINUOUS TREATMENT OF TEXTILE FABRICS WITH LIQUIDS

George Haeberlin, Paterson, N. J., assignor to Textile Dyeing and Printing Co. of America, Inc., a corporation of New Jersey

Application February 6, 1933, Serial No. 655,405

5 Claims. (Cl. 8—19)

1. Apparatus for the continuous treatment of a moving band of textile fabric with a liquid comprising a tank, means for introducing liquid to said tank, means for maintaining a predetermined liquid level in said tank, rotary means adapted to propel a moving band of textile fabric tangentially through said tank in transversely rectilinear form by light frictional engagement with the upper surface only of said band of textile fabric the lower part only of said rotary means projecting below the said maintained level, means for continuously introducing part of the said band of textile fabric adjacent one end of said tank, independent of and spaced apart from said rotary means, means for continuously removing part of said moving band of textile fabric adjacent the other end of said



tank, independent of and spaced apart from said rotary means, and means for continuously discharging a sheet of liquid onto the upper surface of the liquid in said tank across the entire width of the said fabric.

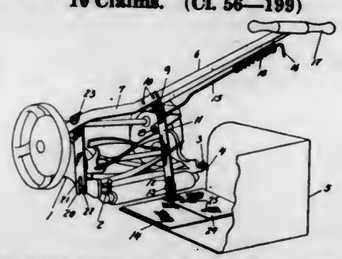
2,067,916

LAWN MOWER ATTACHMENT

Grover C. Haffner and Marie V. Haffner, Los Angeles, Calif.

Refiled for abandoned application Serial No. 624,955, July 27, 1932. This application February 28, 1936, Serial No. 66,278

10 Claims. (Cl. 56—199)



1. In combination with a lawn mower having an operating handle, an attachment comprising, an arm detachably mountable on the lawn mower handle to swing in a vertical plane, a plate pivotally mounted at its front edge on the outer free end of said arm, and means associated with the arm for swinging said arm as aforesaid thereby to move the said plate rearwardly and at the same time to tilt the plate.

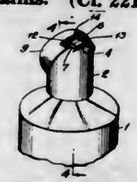
2,067,917

VALVE

James Hansen, Flushing, N. Y.

Application March 14, 1936, Serial No. 68,855

8 Claims. (Cl. 221—60)



1. In a discharge control valve, the combination with an outlet forming tubular body having the tubular edge of its free end formed into a single convolution spiral seat, the face of the spiral seat substantially perpendicular to the axis of the spiral, and an external thread formed adjacent said tubular edge, of a cap having a yieldable disc cut to conform to said spiral seat, and an internal thread cut on said cap to engage said external thread.

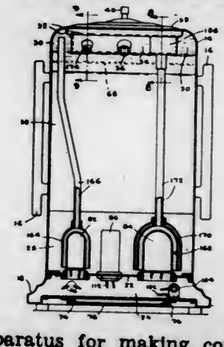
2,067,918

APPARATUS FOR MAKING COFFEE INFUSIONS AND OTHER INFUSIONS

Harry Dorr Harper, Minneapolis, Minn., assignor, by mesne assignments, to First National Bank and Trust Company of Minneapolis, Minneapolis, Minn., a national banking association, as trustee for Margaret Kruse Harper Trust

Application September 10, 1934, Serial No. 743,427

20 Claims. (Cl. 53—3)



1. In apparatus for making coffee infusions and other infusions, the combination of a storage chamber for infusing liquid, means associated with said chamber for supplying heat thereto to produce gaseous pressure on the top surface of the liquid in said chamber, a receptacle for holding the material to be infused, means for delivering the liquid to said receptacle in a stream by utilizing the pressure produced in said storage chamber, and means for heating said stream to infusing temperature as it is being delivered.

2,067,919

COMPOSITIONS OF MATTER, AND METHODS AND STEPS OF MAKING AND USING THE SAME

Mortimer T. Harvey, East Orange, and Frederick M. Damitz, Ocean Grove, N. J., assignors, by direct and mesne assignments, to The Harvel Corporation, a corporation of New Jersey

No Drawing. Application June 20, 1935, Serial No. 27,538

16 Claims. (Cl. 260—2)

1. A process comprising reacting cashew nut shell liquid and from about 1% to about 5% of its volume in concentrated sulphuric acid.

2,067,920

DRYING APPARATUS

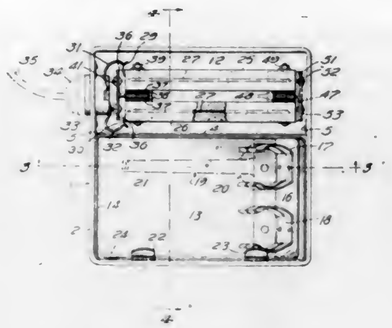
Ralph V. Heuser, New York, N. Y.

Application February 6, 1935, Serial No. 5,195

4 Claims. (Cl. 34—26)

2. An apparatus for drying comprising an enclosed chamber, a plate of non-deliquescent desiccating material mounted along a side of said chamber and spaced therefrom, the sides of said plate being open to the air, a partition between said plate and another portion of said chamber, said partition extending short of the top and bottom of said chamber, said plate and said other portion being on the same plane, the difference

in specific gravity of dry and humid air causing a natural circulation of air between said plate and said other portion, an electrical heating element embedded in said plate, the latter comprising molded adsorbent material, said plate being mounted on a support allowing movement thereof on expansion and contraction due to temperature changes.

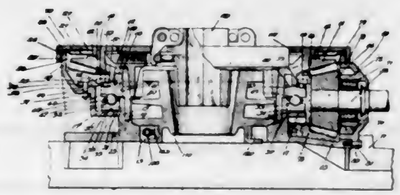


2,067,921

ROTARY MACHINE

Frederic W. Hild, Los Angeles, Calif., assignor to United States Heat Treating Company, San Antonio, Tex., a corporation of Texas

Application March 5, 1925, Serial No. 13,049
41 Claims. (Cl. 255—23)



35. In an oil bath rotary for well drilling, including a base, a table rotatable thereon, an enclosed holddown bearing for said table on said base and means for lubricating the same.

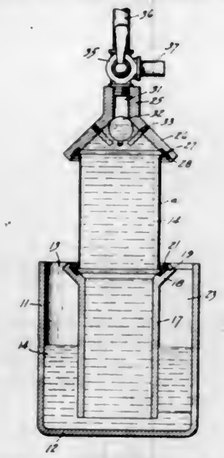
2,067,922

METHOD OF COATING CANS

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application August 2, 1934, Serial No. 738,153
6 Claims. (Cl. 91—68)

1. A method of coating cans comprising covering an open end of a can to create a coating chamber which includes the interior of the can, exhausting air from said coating chamber, raising by atmospheric pressure a liquid coating material from a source of supply to flow into said can and over its interior surfaces automatically cutting off communication between said chamber and the air exhausting source after the former has been filled with the coating material, and restoring the interior of the can to atmospheric pressure to return the excess of coating material to said source of supply leaving the interior can surfaces coated.

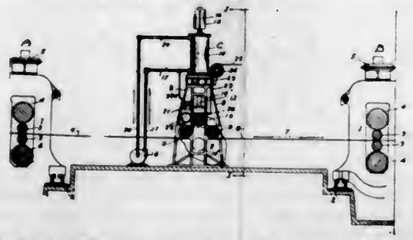


2,067,923

TENSION ROLLING APPARATUS AND METHOD

Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application April 26, 1933, Serial No. 668,101
10 Claims. (Cl. 80—35)



5. In a rolling mechanism, the combination of interspaced driven mills, a pulling device located between said mills, static tension maintaining devices located between each mill and said pulling device, a device beyond the second of said mills adapted to exert tractive effort on a piece being rolled, a static tension maintaining device located between said second mill and said tractive device, and means operative in connection with said tension maintaining devices to control the speeds of said several other instrumentalities.

2,067,924

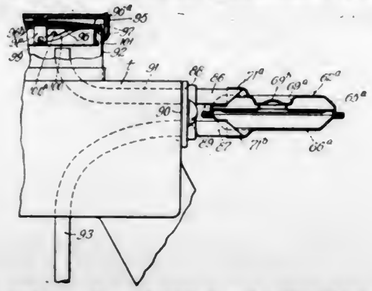
PRESSURE RELIEF VALVE

Frank P. Illsley, Muskegon, Mich.

Application October 24, 1932, Serial No. 639,317
10 Claims. (Cl 137—53)

1. In combination in a valve of the character described, a casing, a resilient metal diaphragm extending across the casing and forming a fluid-tight closure therewith, a valve member carried by the diaphragm and defining an outlet opening, and a self-aligning valve seat member presenting a rounded valve seat, the diaphragm being of materially greater area than said opening and normally acting to urge the valve member into

edge contact with the seat member to form therewith a fluid-tight closure, the seating edge of the valve member being substantially equal in thickness to the thickness of the diaphragm, said casing having an opening for admitting thereto and at the valve seat side of the diaphragm fluid under pressure.



2,067,925

COMPOSITION FOR ETCHING AND ETCHING TRANSFERS

Nance Clayton-Kennedy, London, England

No Drawing. Application March 7, 1934, Serial No. 714,458
6 Claims. (Cl 41—42)

3. An etching composition for etching glass comprising an acid fluoride disseminated through a carrier medium consisting of cornstarch, black treacle, sugar syrup, gum senegal, gum tragacanth, carbon black, finely ground magnesium carbonate and a glycerine containing plasticizer, the proportions being such as to produce a composition sufficiently elastic and firm to permit printing or transfer to glass without blurring during the printing or for a sufficient period to permit etching.

2,067,926

VAT DYE COMPOSITION AND MANUFACTURE THEREOF

Jean G. Kern, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Original application May 26, 1933, Serial No. 673,031. Divided and this application February 7, 1936, Serial No. 62,867
20 Claims. (Cl. 8—6)

16. A vat dye composition in the form of an aqueous paste comprising a vat dye, a dispersing agent, and a soluble salt of an acid alkyl ester consisting on the one hand of a radical of an inorganic polybasic acid in which at least one of the replaceable hydrogen atoms is present and on the other hand of one or more lower alkyl hydrocarbon radicals directly linked to the inorganic radical.

2,067,927

ART OF DYEING WITH VAT DYES

Jean G. Kern, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 8, 1935, Serial No. 15,260. In Japan September 3, 1934
25 Claims. (Cl. 8—5)

1. In the dyeing of textile fibers by a process in which a leuco-compound of a vat dye is formed in the presence of the fiber by reduction of a vat dye compound, the improvement which comprises carrying out the dyeing with the aid of a soluble salt of an acid alkyl ester containing not more than 5 carbon atoms in the alkyl group and derivable from a polybasic inorganic acid and an aliphatic alcohol containing not more than 5 carbon atoms.

2,067,928

VAT DYEING PROCESS AND COMPOSITION

Jean G. Kern, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 8, 1935, Serial No. 15,261. In Japan September 3, 1934
27 Claims. (Cl. 8—5)

1. In the dyeing of textile fibers by a process in which a leuco compound of a vat dye is formed in the presence of the fiber by reduction of a vat dye compound, the improvement which comprises carrying out the dyeing with the aid of a soluble salt of an acid alkyl ester containing not more than 5 carbon atoms in the alkyl group and derivable from a polybasic inorganic acid and a polyhydric alcohol containing not more than 5 carbon atoms.

2,067,929

PROCESS OF DYEING WITH VAT DYES

Jean G. Kern, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 8, 1935, Serial No. 15,262. In Japan September 3, 1934
9 Claims. (Cl. 8—5)

1. In the dyeing of textile fibers by forming a non-acid solution of leuco-compound of a vat dye and treating the fiber with said solution, the improvement which comprises carrying out the dyeing with the aid of a soluble salt of an acid alkyl ester containing not more than 5 carbon atoms in the alkyl group and derivable from a polybasic inorganic acid and an aliphatic alcohol containing not more than 5 carbon atoms.

2,067,930

DYEING WITH VAT DYES

Jean G. Kern, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 8, 1935, Serial No 15,263. In Great Britain, May 25, 1934
9 Claims. (Cl. 8—5)

1. In the dyeing of textile fibers by forming a non-acid solution of a leuco-compound of a vat dye and treating the fiber with said solution, the improvement which comprises carrying out the dyeing with the aid of a soluble salt of an acid alkyl ester containing not more than 5 carbon atoms in the alkyl group and derivable from a polybasic inorganic acid and a polyhydric alcohol containing not more than 5 carbon atoms.

2,067,931

COMPOSITION AND PROCESS FOR THE PRODUCTION OF FERTILIZERS

Walter H. Kniskern, Petersburg, Va., and Charles K. Lawrence, Baldwinsville, N. Y., assignors to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York

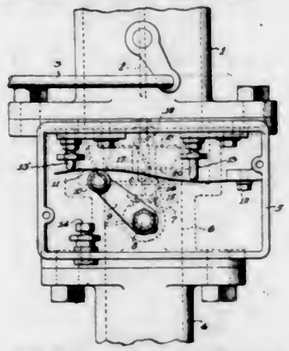
No Drawing. Application December 9, 1933, Serial No. 701,724
12 Claims. (Cl. 71—43)

4. As a new composition of matter a solution of ammonium nitrate and ammonium chloride in an ammoniacal liquid containing a substantial

proportion of ammonia, said solution containing an amount of ammonium chloride dissolved therein in excess of that forming a saturated solution in the ammoniacal liquid at a temperature between about —30° C. and 30° C. in the absence of the ammonium nitrate.

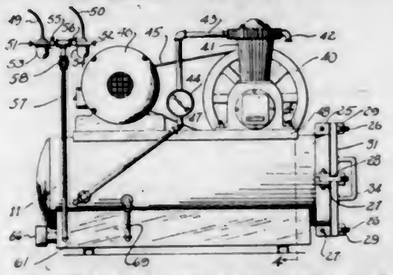
9. A process for producing a fertilizer which comprises treating a superphosphate material with a solution of ammonium nitrate and ammonium chloride in an ammoniacal liquid containing a substantial proportion of ammonia, said solution being substantially saturated with the aforementioned salts at a temperature between about —30° C. and 30° C.

2,067,932
SPEED GOVERNOR
August W. Kretzschmar, Detroit, Mich.
Application April 17, 1935, Serial No. 16,805
5 Claims. (Cl. 137—152)



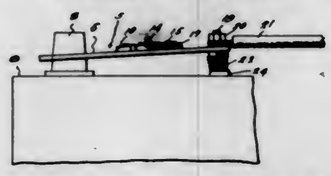
1. In a speed governing device, the combination of a fuel supply conduit, a valve in said conduit sensitive to the fuel flow therepast for movement to open and closed positions, spring means resisting the movement to closing position, and a pendulum device associated with said valve for compensating its position for up and down grade travel.

2,067,933
FILM PROCESSING
Victor Krupa, Westwood, N. J., assignor to Edward Moyse, New York, N. Y.
Application December 6, 1933, Serial No. 701,119
4 Claims. (Cl. 95—88)



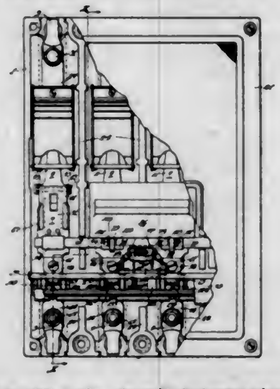
1. The method of treating exposed and developed film comprising subjecting said film to a relatively high vacuum, contacting said film with a treating agent for converting the colloid substance of the film into an insoluble compound, and introducing a second treating agent for fixing the treated film to maintain it in insoluble condition.

2,067,934
BATTERY CONNECTER
Edward A. Lienhart and Orvin Ravnaas, Ruso, N. Dak.
Application July 17, 1935, Serial No. 31,903
2 Claims. (Cl. 173—324)



1. A battery connecter of the character described, comprising an elongated plate provided with an opening in one end portion thereof completely enclosed by the material of the plate for receiving a battery post, said plate being provided with a depending coil spring at the opposite end thereof adapted to engage the top of a battery at its lower end to tilt the plate when the post of a battery is disposed through the opening so that the edge portions of the plate at the opening will bite into the post and means on the plate whereby a conductor wire can be connected thereto.

2,067,935
CIRCUIT BREAKER
Harry J. Lingal, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 2, 1933, Serial No. 696,329
23 Claims. (Cl. 200—107)



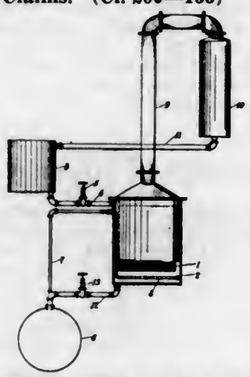
1. In a multi-pole circuit interrupter; contact means movable to open and to close a plurality of poles; a plurality of individual operating mechanisms, each of which is adapted to actuate the contact means for at least one of said poles, and each of which includes a trigger member, means biasing said trigger members to move and cause the associated contact means to be moved automatically from one position to the other; means for mechanically interconnecting said trigger members; a single latch for engaging and restraining all of said interconnected trigger members from movement by said biasing means, said latch being releasable to cause the contact means associated with said interconnected trigger members to be moved from one position to the other; and electro-responsive means for actuating said latch upon the occurrence of predetermined conditions.

2,067,936
TIME SWITCH
John E. McAllister, Cleveland, Ohio, assignor, by mesne assignments, to Arthur J. Hudson, Cleveland, Ohio
Application November 7, 1934, Serial No. 751,858
16 Claims. (Cl. 200—39)



2. In a device of the character referred to, the combination of a rotary member, a second member rotatably supported coaxially with said first mentioned member, means for limiting the rotation of said second member, a coil spring operatively connected to said first and second members, an oscillatory member, a clock mechanism for moving said oscillatory member in one direction, a one-way driving connection between said oscillatory member and said second member, and means operatively connected to said oscillatory member for controlling the rotation of said first member under the action of said spring.

2,067,937
TREATMENT OF CELLULOSE ESTERS CONTAINING COLLOIDING AGENTS
Dorman McBurney and Edgar H. Nollau, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 12, 1931, Serial No. 556,506
7 Claims. (Cl. 260—133)

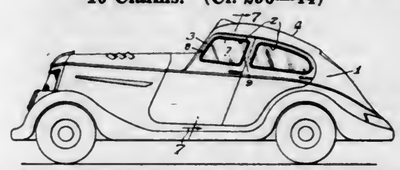


1. In a process of purifying cellulose ester compositions containing camphor, the improvement which comprises treating the camphor-containing cellulose ester composition with a dichlorinated saturated lower aliphatic hydrocarbon in such excess that the cellulose ester is not dissolved.

2,067,938
TREATMENT OF CELLULOSE ESTERS CONTAINING COLLOIDING AGENTS
Dorman McBurney, Newburgh, N. Y., and Edgar H. Nollau, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 4, 1934, Serial No. 746,782
7 Claims. (Cl. 260—133)

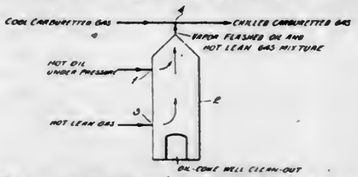
1. Process of treating film scrap which comprises contacting said scrap with a liquid which has a solvent action on camphor and only a softening action on the cellulose derivative present, said liquid comprising essentially a chlorinated saturated lower aliphatic hydrocarbon in major proportion and smaller amounts of alcohol.

2,067,939
AUTOMOBILE VENTILATING DEVICE
Willard L. Morrison, Lake Forest, Ill.
Application June 24, 1935, Serial No. 28,045
10 Claims. (Cl. 296—44)



1. An automobile ventilating device comprising a body having a windshield, a window opening back of said windshield, the portion of the body having the window opening extending longitudinally of the body of the automobile being inclined from the bottom toward the top, a window in said window opening, inclined from the bottom toward the top, said window pivoted so as to move about a horizontal axis extending longitudinally of the body of the automobile so as to provide, when moved about its pivot, a suction opening at the top and an air admission opening at the bottom, whereby the suction produced by the movement of the automobile draws air out of the top portion of the window opening and directs air into the bottom portion of the window opening.

2,067,940
METHOD OF PRODUCING GAS
Theodore Nagel, Brooklyn, N. Y., assignor to Carburetted Gas, Inc., a corporation of Delaware
Application November 16, 1933, Serial No. 698,319
4 Claims. (Cl. 48—213)



1. The process of generating hydrocarbon fixed gases from oil, which process comprises supplying substantially the maximum heat to the oil while maintaining substantially all of the oil as a liquid by preheating the oil to within a temperature range of approximately 700° F. to 900° F. while the oil is subjected to a pressure of at least 150 pounds per square inch, injecting the preheated oil into a hot gaseous medium, the volume and temperature of which are such that the hydrocarbons are approximately instantly heated to a temperature within a temperature range of 1200° F. to 1600° F. substantially instantly to decompose the hydrocarbons to gaseous hydrocarbons the unsaturated hydrocarbons of which are composed of olefins, and before polymerization in excess of 10% takes place contacting the hot gases in direct heat exchange relation with a relatively cool fluid, to cool the gaseous hydrocarbons to below polymerizing temperature and excluding polymerization during cooling, thereby to retain the maximum heating value of the gaseous hydrocarbons.

2,067,941

WATER RESISTANT MOLDED ARTICLES AND METHOD OF MAKING THEM

Clarence A. Nash, North Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 25, 1933, Serial No. 662,831
11 Claims. (Cl. 18—55)

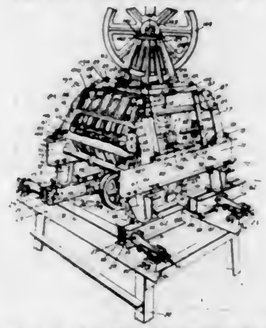
8. Process of preparing a molding composition suitable for hot-molding which comprises forming a powdered composition from a fibrous filler and a potentially reactive phenol-formaldehyde resin, and incorporating therewith water in amount up to 5 per cent by weight whereby articles molded under the combined action of heat and pressure are obtainable characterized by resistance to distortion from contacting liquids.

2,067,942

CROWN BLOCK FOR A HOISTING APPARATUS FOR A DERRICK AND MEANS FOR REEVING A COMPOUND PULLEY

Harry Talmage Nichols, San Antonio, Tex.

Application September 15, 1930, Serial No. 481,935
Renewed June 3, 1935
102 Claims. (Cl. 254—190)



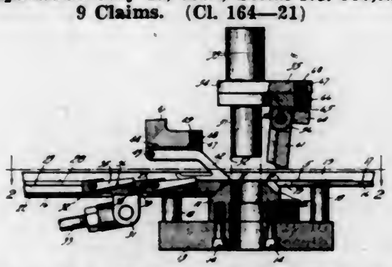
1. In a crown block structure for use on a derrick, a plurality of upright rotatable sheaves comprising a sheave adapted to be secured and rotate in a vertical plane disposed obliquely to the vertical planes in which all other sheaves in the structure lie, means for rotatably mounting said obliquely disposed sheave, and means for rotatably mounting all of the other sheaves therein.

2,067,943

PRESS MECHANISM

Ronald J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 15, 1931, Serial No. 550,929
9 Claims. (Cl. 164—21)



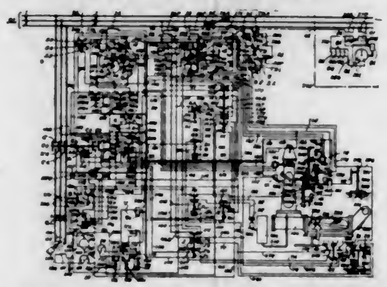
1. A press mechanism comprising in combination, a pair of opposed cooperating instrumentalities for cutting blanks from sheet material, feeding devices reciprocating in the plane of the sheet material for primarily advancing the said material between said instrumentalities to a point rearwardly of its desired position, and means carried on the moving instrumentality and moving substantially parallel therewith and engaging within the opening made in said sheet material by removal of a said blank for further advancing said material to definitely locate the same for the next blank cutting operation, and means for moving said advancing means only in the direction of the feeding of the material.

2,067,944

SYSTEM FOR THE REMOTE OPERATION OF POWER PLANTS

Erick Pearson, Minneapolis, Minn.

Application February 24, 1931, Serial No. 517,675
22 Claims. (Cl. 171—118)



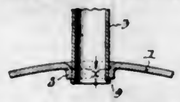
15. In combination a generator and an electrical power system, switch means for connecting said generator to said power line, control means for said switching means including means operative to effect the closing of said switching means for connecting said generator and power line at a predetermined rate of speed of said generator, means for rendering said control means operative, and means operatively connected with said control means and said switch means for rendering said control means inoperative when the rate of speed of said generator exceeds predetermined limits.

2,067,945

METHOD OF FORMING TUBE CONNECTIONS

Herman J. Peters, Columbus, Ohio

Application June 10, 1935, Serial No. 25,860
6 Claims. (Cl. 29—157.5)



1. The method of joining a tube to a boiler sheet or the like which consists in making a round hole in the sheet, forcing a rounded plunger of larger diameter through said hole, thereby to produce an annular flange on said sheet, inserting the tube through said flange, and expanding the end of the tube against the end of the flange to form a joint therebetween.

2,067,946

PROCESS OF MAKING CELLULOSE DERIVATIVES

Norman Picton, Stevenston, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 19, 1935, Serial No. 27,386
11 Claims. (Cl. 260—152)

1. The process of preparing ethyl cellulose, which comprises reacting one hundred parts of granulated cellulose having a compactness of about 90, granule dimensions of about 1/8 x 1/4 x 1/4 inch, and an apparent bulk density of about 15 pounds per cubic foot with about 300 parts of ethyl chloride in the presence of about 240 parts of solid caustic soda, 120 parts of water, and 500 parts of benzene at a temperature of about 150° C. during about 8 hours, and isolating and purifying the resulting ethyl cellulose.

2,067,947

TEXTILE MATERIAL AND ITS PREPARATION

Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 23, 1934, Serial No. 708,014
16 Claims. (Cl. 28—1)

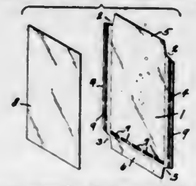
1. Process of treating yarns containing organic derivatives of cellulose which comprises applying thereto prior to fabric formation a dressing comprising a water-insoluble lubricant and cresylic acid.

2,067,948

BAG

Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York

Original application October 10, 1934, Serial No. 747,681. Divided and this application May 22, 1935, Serial No. 22,704
2 Claims. (Cl. 229—53)



1. A bag composed of two strips of dissimilar material, one strip being wider and longer than the other, the said strips being assembled face to face with the larger strip extending beyond the smaller strip at the ends and sides of the smaller strip, the smaller strip being adhesively secured to the face of the larger strip adjacent one end of the smaller strip, the projecting sides of the wider strip being folded over upon and adhesively secured to the narrower strip, and the projecting end of the larger strip being folded over upon the shorter strip and the folded-over edges of the larger strip to form a bag bottom.

2,067,949

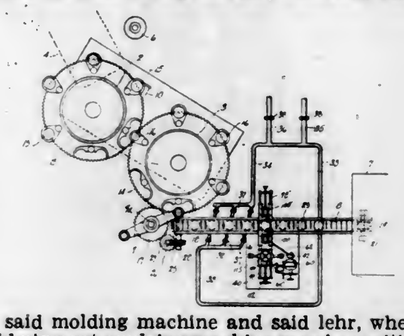
MEANS FOR AND METHOD OF APPLYING COLOR TO MOLDED GLASS ARTICLES

Anton G. Rez, Seattle, Wash.

Application February 20, 1933, Serial No. 657,644
11 Claims. (Cl. 49—1)

1. The method of coloring a molded glass article during the period of its manufacture which consists in directing a fusible coloring pigment against the parts to be colored following removal of the article from the mold and at a location in its course of travel at which its initial molding heat will have decreased to the fusing temperature of the pigment.

9. The combination with a machine for molding glass articles, a lehr for annealing the articles, a pigment applying machine including a stencil disposed intermediate said molding machine and said lehr, means for conveying the articles from the molding machine to the pigment applying machine and from the pigment applying machine to the lehr, and means operating on the articles between the molding machine and the pigment applying machine for modifying the initial molding heat of the article, said pigment applying machine being movably mounted relative



to said molding machine and said lehr, whereby said pigment applying machine may be positioned so that the initial molding heat retained in the articles at the time said articles are submitted to the action of the pigment applying machine will be suitable to cause the pigment contacting with the articles to be fused therewith within the areas defined by the stencil.

2,067,950

ARTIFICIAL MATERIAL AND METHOD OF PREPARING THE SAME

George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 3, 1933, Serial No. 678,927
5 Claims. (Cl. 28—59)

4. Textile materials comprising filaments of cellulose acetate containing olive oil and a substance selected from the group consisting of the propenyl, allyl, vinyl and cotonyl derivatives of guaethol.

2,067,951

ARTIFICIAL TEXTILE MATERIALS AND METHOD OF PREPARING THE SAME

George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 4, 1934, Serial No. 723,844
4 Claims. (Cl. 28—1)

1. Process of improving the properties of filaments or yarns of a cellulose derivative selected from the group of organic acid esters of cellulose and cellulose ethers which comprises applying thereto a finish containing a vegetable or animal oil such as olive oil, teaseed oil, peanut oil, castor oil, cocoanut oil or neat's-foot oil and hydroquinone in the proportion of 0.2 to 4% calculated on the weight of the oil employed.

2,067,952

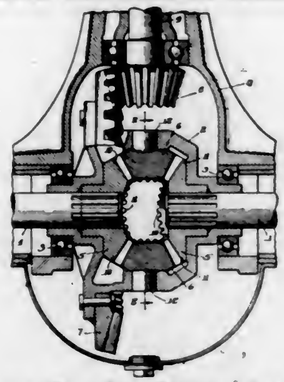
DIFFERENTIAL GEARING

Lewis H. Scurlock, Chicago, Ill.

Application November 6, 1935, Serial No. 48,505
8 Claims. (Cl. 74—315)

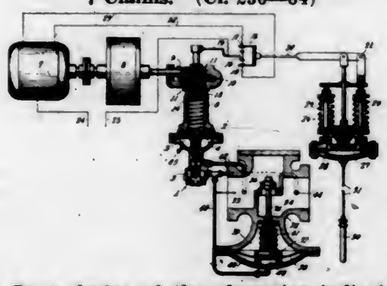
1. In a differential gearing, of the planetary type, a pair of bevel tooth sun gears, each keyed to a section of the driving axle of a motor ve-

hicle, each gear having a hill and dale formation on the toothed face thereof, and excentrically mounted bevel tooth pinions or planets having teeth engaging the teeth of said gears, with the off-center axes of rotation of said pinions all in a fixed common plane between said gears, together with means for communicating



driving power through said pinions to said gears, by revolving said pinions about the common axis of said gears, in said plane, causing said excentric planets to swing from side to side and follow a uniformly zigzag path between the hill and dale faces of said gears, when one section of the axle is rotating faster than the other.

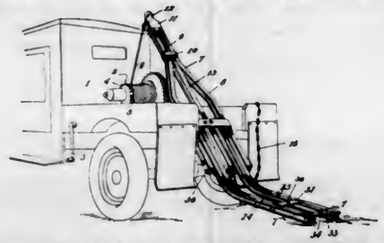
2,067,953
VALVE
Paulsen Spence, East Orange, N. J.
Application June 22, 1931, Serial No. 545,931
Renewed February 26, 1935
7 Claims. (Cl. 236—84)



1. In a device of the character indicated, a main valve, fluid pressure actuated means for operating said main valve, a pilot valve for controlling the flow of pressure fluid for said fluid pressure actuated means, means for urging the valve head of said pilot valve in one direction, loading means for urging the valve head of said pilot valve in the other direction, electric motor means cooperating with said pilot valve loading means to vary the loading effect thereof, and means for controlling said electric motor means, and means operable to break the electric motor circuit after said loading means has been varied.

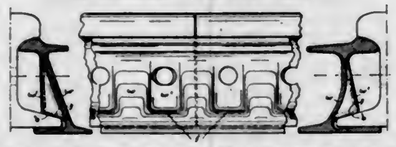
2,067,954
WRECKING CRANE
Hector Tetrault, Bourbonnais, Ill.
Application May 13, 1935, Serial No. 21,270
7 Claims. (Cl. 214—86)

1. In a wrecking crane, a towing vehicle, a frame carried thereby and having an upper portion comprising spaced beams, mounting means carried on said towing vehicle, means connecting the mounting means with said upper portion, a lower portion, means connecting the lower portion with the mounting means, said upper and



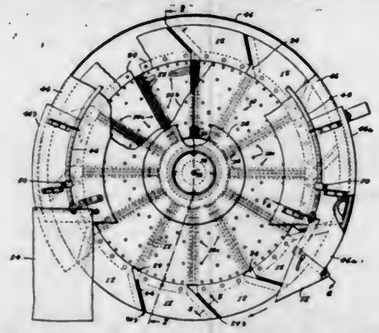
lower portions being adapted for independent movement, and means on the lower portion for engagement with a vehicle to be towed, said frame being shiftable for raising the vehicle to be towed for a towing operation.

2,067,955
RAILWAY RAIL AND RAIL JOINT
Sameul G. Thomson, Flushing, N. Y.
Application July 7, 1931, Serial No. 549,201
19 Claims. (Cl. 238—188)



1. In a rail-joint, a splice bar having a head, an upright bolting web and a foot, a portion of said web being displaced from the general lengthwise alignment of its section so as to engage the upper surface of the rail foot, another portion of the web remaining in its general alignment.

2,067,956
CUTTING STONE AND THE LIKE
John G. Tullgren, Lexington, Mass., assignor of one-half to Enos B. Harrington, Lexington, Mass.; Ella B. Tullgren administratrix of said John G. Tullgren, deceased
Application December 30, 1933, Serial No. 704,626
7 Claims. (Cl. 125—12)



1. Apparatus for cutting stone and the like brittle hard materials, comprising a pressing blade having tough hard teeth adapted to run in a kerf in the stone for compressive coaction with a loose granular hard detriting agent; there being, in the blade, enclosed passages adapted to feed dry loose shot as said agent, having inlet openings for said agent in a part of the blade outside of that part which runs in the kerf, and having openings for discharge of said agent from their said enclosure within the blade to operating positions at the pressing faces of the teeth; the said passages severally having directions adapted to facilitate acceleration of shot passing through them; the fluid therein around the shot being predominantly gaseous, so that the shot can rebound freely; and there being a baffle at the discharge opening of each passage, set on the leading face of that passage at an angle, crossing the path of shot which are out-flying from the lagging face of the passage, the said angle being one directing out-flying shot by rebound obliquely toward the peripheral end of the lagging face of the passage.

2,067,957
CINEMATOGRAPHIC FILM
Hans von Fraunhofer, New York, N. Y., assignor to Trichrome, Inc., New York, N. Y., a corporation of New York
Application December 1, 1934, Serial No. 755,581
10 Claims. (Cl. 88—16.4)



1. In the art of cinematography, a film for exposure having a series of frames, all the frames of which are sensitized in a zone contiguous to the surface thereof for recording warmer color values only, and the alternate frames of which are in addition sensitized at a zone intermediate the surfaces of the film for recording at least one of the colder color values, the remaining alternating frames at the intermediate zone not being specially sensitized for such one of the colder color values.

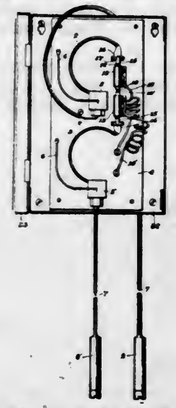
2,067,958
SANITARY TOILET APPLIANCE
Oscar R. Wallace, New York, N. Y.
Application September 21, 1935, Serial No. 41,507
1 Claim. (Cl. 4—142)



In a toilet appliance consisting of a flexible pot made of a sheet of paper impregnated with waterproofing substances and having a flange adapted to fit the upper side of a toilet seat, said pot being adapted to hold a quantity of liquid absorbing material, said flange being adapted to be rolled into a cylinder thereby sealing said pot after use.

2,067,959
THERMOSTATIC CONTROLLING APPARATUS
John E. Wasson, Boston, Mass., assignor to Emerson Apparatus Company, Melrose, Mass., a corporation of Rhode Island
Application February 14, 1934, Serial No. 711,139
5 Claims. (Cl. 200—140)

1. In an apparatus of the character described, the combination of two thermostats responsive to temperature changes in widely separated locations, and two contacts connected, respectively, with said thermostats and positioned for engagement with each other under certain temperature conditions, said thermostats being connected with said contacts to move both of them in the same direction and at substantially the same rate upon a rise in temperature at both of said locations



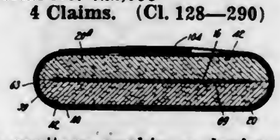
and to move both contacts in the opposite direction and at substantially the same rate upon a drop in temperature at said locations.

2,067,960
ETHERS OF DIHYDRIC PHENOLS
James H. Werntz, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1934, Serial No. 759,339
10 Claims. (Cl. 260—150)

1. Process of preparing ethers of monocyclic dihydric phenols, which comprises reacting a salt of a monocyclic dihydric phenol with a saturated primary alkyl halide of at least 10 carbon atoms and separating the mono- and dialkyl ethers by extraction with an alcohol.

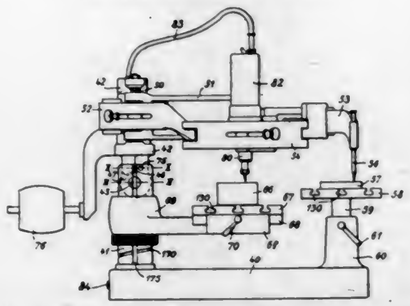
5. Process of preparing the dodecyl ethers of hydroquinone, which comprises reacting hydroquinone with a dodecyl halide and a base in the presence of an inert solvent and separating the mono and dialkyl ethers by extraction with an alcohol.

2,067,961
SANITARY NAPKIN
Harrison R. Williams, New York, N. Y.
Original application April 10, 1929, Serial No. 354,074. Divided and this application April 24, 1934, Serial No. 722,095
4 Claims. (Cl. 128—290)



3. In a sanitary napkin, a duplex pad device comprising two superposed pad elements of highly absorbent loosely filled fibrous material having little capacity for retaining its shape and integrity, said device including also a wick element consisting of a gauze reenforcing wick strip confined between the pads intermediate their side boundaries, and co-terminous with the ends of the pads, starchy circumfusing material entrained by the gauze wick strip, said wick strip being adapted to aid in diffusing the fluid which reaches said wick through said pad elements, and an absorbent paper wrapper surrounding the body, and a gauze wrapper surrounding the paper wrapper and having supporting end flaps extending beyond the ends of the body.

2,067,962
ENGRAVING AND COPYING MACHINE
Kürt Zwick, Munich, Germany, assignor to Friedrich Deckel, Munich-Prinz Ludwigshohe, Germany
Application May 15, 1933, Serial No. 671,277
In Germany May 17, 1932
14 Claims. (Cl. 90—13.1)



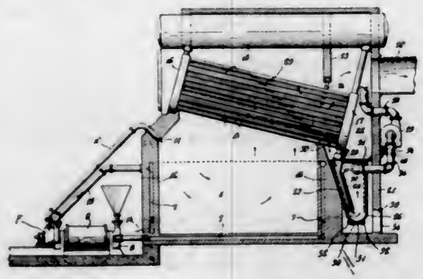
14. An engraving or copying machine, comprising a base, an upwardly extending column element on said base, a carrier element, a substantially horizontal pivot connecting said two elements to each other so that said carrier element may oscillate relatively to said column element about a substantially horizontal axis, a pantograph system pivotally mounted on said carrier element, a cutting tool mounted on said pantograph system, and cooperating interengaging parts on said column element and said carrier element, including a lug on one of said elements and abutment means in the path of said lug on the other of said elements, for limiting the extent of oscillation of said carrier element with respect to said column element in one direction and to hold said carrier element in predetermined position against the tendency of the weight of said pantograph system to turn said carrier element on its horizontal axis.

2,067,963
FOOTWEAR
William H. Joyce, Pasadena, Calif., assignor to Pasadena Slipper Co., Pasadena, Calif., a corporation of California
Application June 27, 1936, Serial No. 87,708
4 Claims. (Cl. 36—2.5)



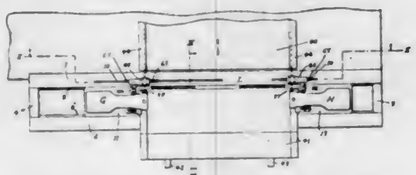
1. In a slipper construction, an upper, the lower edges of which are turned inwardly and secured to the lower surface of an insole, a midsole member comprising a sole portion and a heel lift portion with a beveled upper face in contact with the sole portion, said midsole member being of relatively thick cushioning material having a substantially flat lower surface and shaped to extend completely over the lower surface of said insole, a covering of relatively thin material extending about the edges of said midsole member, means for securing the upper surface only of said midsole member to the insole, and a substantially flat outsole member coextensive with said midsole member and attached solely to the lower surface of said midsole member.

2,067,964
FURNACE
Joseph E. Kennedy, New York, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States
Application November 22, 1934, Serial No. 754,253
10 Claims. (Cl. 122—265)



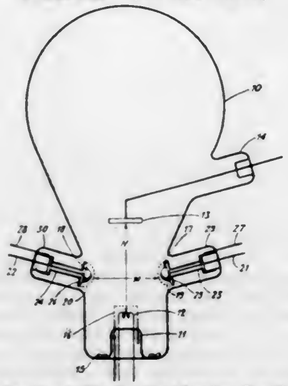
1. In a furnace, a combustion chamber, a smoke outlet spaced from the combustion chamber, means to arrange the furnace with a downward and upward sinuous passage for the gases from the combustion chamber to the smoke outlet, a receptacle mounted in the space between the combustion chamber and smoke outlet, a plate mounted in the receptacle to form with a side wall of the receptacle a passage with the inlet opening to a lower portion of the sinuous passage for the gases and the outlet opening to the bottom of the receptacle, and a perforated pipe mounted in the upper portion of the receptacle having an outlet in communication with and adapted to conduct the gases from the receptacle to the smoke outlet, said pipe in conjunction with the receptacle passage effecting a separation of ash and soot from the gases in their passage through the receptacle to said pipe.

2,067,965
THREAD CUTTING MECHANISM
David W. Klau, New York, N. Y.
Original application February 24, 1933, Serial No. 658,367. Divided and this application October 31, 1933, Serial No. 695,969
7 Claims. (Cl. 112—252)



1. A thread cutting device for sewing machines, comprising a pair of presser feet spaced apart and movable into and out of clamping engagement against spaced parts of the sewing machine structure and adapted thereby to clamp and hold against endwise movement a thread extending in otherwise unsupported relation between them, and a single thread cutting blade arranged in the space between said presser feet movable to engage and sever the unsupported portion of thread extending between said presser feet, together with means for operating said presser feet and cutting blade.

2,067,966
ELECTRON DISCHARGE DEVICE
Hans Klemperer, Summit, N J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application May 15, 1935, Serial No. 21,534
4 Claims. (Cl. 250—27.5)



1. An electron discharge device having an envelope containing a pair of electrodes and an ionizable medium for supporting a self-sustaining discharge between said pair of electrodes, an anode within said envelope spaced to one side of the discharge path between said pair of electrodes at a distance greater than one fourth the distance between said pair of electrodes, a control electrode over said anode and shielding all parts of the anode from said discharge for controlling the electron current to said anode, the distance between said anode and said control electrode being less than the mean free path of positive ions in the ionizable medium during operation of the electron discharge device.

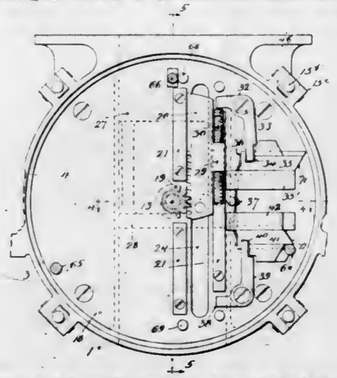
2,067,967
VACUUM TUBE CONDUCTOR
Peter Kniepen, Finkenkrug, near Berlin, Germany, assignor to Allgemiene Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany
Application March 28, 1936, Serial No. 71,350
In Germany August 2, 1934
2 Claims. (Cl. 250—27.5)



2. In an electron discharge device, an insulating member with a conductor extending therethrough, said conductor being enlarged in cross section where it passes through said member by a concentric metal cylinder engaging intermediate its ends the wall of said opening and having at each end thereof an annulus of greater diameter than said opening to overlie the insulation therearound and having a constricted portion to engage said conductor.

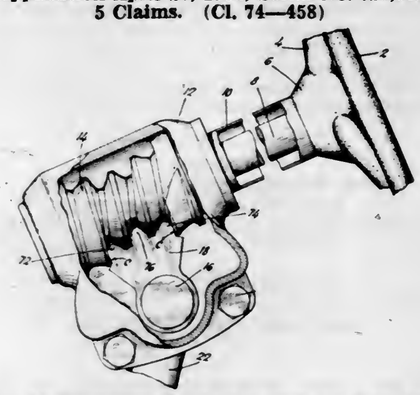
2,067,968
DEPOSITING MACHINE
John F. Kohler, New York, N. Y.
Application September 9, 1935, Serial No. 39,799
14 Claims. (Cl. 221—103)

1. An extruding machine including a shaft, an oscillating valve body revolving around said shaft and having a cylinder therein, means for holding a source of supply of material to be drawn into the cylinder while the cylinder has its open end directed upwardly toward said source of supply, a piston reciprocable in said cylinder for the purpose of drawing a charge into said cylinder and extruding the same therefrom, and means for operating said piston and valve body including a reciprocating rack, a pinion on said shaft for



operating said rack, means associated with said rack for reciprocating said piston downwardly while the open end of the cylinder is in communication with the source of supply, and to extrude the charge from the cylinder by a downward movement after inversion of the valve body, said pinion also serving to oscillate said valve body to place said cylinder alternately into charge receiving and charge extruding positions.

2,067,969
FORKED SECTOR GEAR
Walter A. Kull and Fred. G. Wade, Saginaw, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 27, 1934, Serial No. 722,642
5 Claims. (Cl. 74—458)

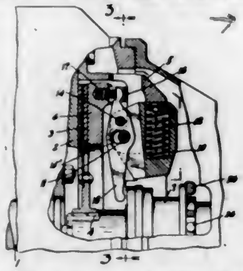


1. As an article of manufacture, an hour glass worm having its center or throat portion cut deeper than the normal pitch radius.

2,067,970
CLUTCH MECHANISM
Andrew Laszlo, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 12, 1934, Serial No. 710,792
13 Claims. (Cl. 192—105)

1. In a clutch mechanism, a driving member,

a driven member, a pressure plate mounted to rotate with the driving member but movable into and out of engagement with the driven member to engage and disengage the clutch, resilient means tending to urge the pressure plate into driving engagement with the driven member, a clutch lever, one end thereof being in pivotal engagement with the pressure plate to control the movement thereof, a movable abutment for



the other end of the clutch lever, a pivot for the clutch lever intermediate of its aforesaid ends, speed responsive means controlling the position of the pivot, said speed responsive means including a centrifugally actuated fly weight having a centrifugal moment about an axis on the driving member, the pivot being mounted on the fly weight, and manual means controlling the position of the abutment.

2,067,971

MANUFACTURE OF CHLORINATED RUBBER

Frederick Peacock Leach, Frodsham, and Wilfrid Devonshire Spencer, Widnes, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 13, 1934, Serial No. 757,376. In Great Britain December 20, 1933

2 Claims. (Cl. 260—1)

1. A process for the preparation of solid chlorinated rubber products, which comprises projecting a carbon tetrachloride solution of chlorinated rubber in a thin stream into an excess of a lower aliphatic alcohol which is maintained in a state of vigorous agitation sufficient to maintain the precipitate in a segregated finely divided form.

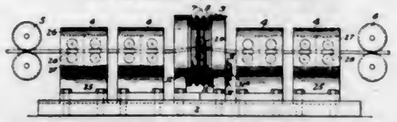
2,067,972

WIRE STRAIGHTENING MACHINE

Jacob T. Leech, Beaver, Pa.

Application June 18, 1930, Serial No. 461,948

23 Claims. (Cl. 153—37)



1. In a wire straightening machine, a wire flexing unit comprising an inner member having a wire receiving pass therethrough of a shape and diameter conforming substantially to the shape and diameter of the wire to be straightened, an outer member rotatable about the inner one and in which the inner one is eccentrically positioned, a fixed support for the outer member at each end thereof, rotation of the outer member imparting a wabbling motion to the inner one, and means on the fixed support engaging the inner member for holding it against rotation with the outer member.

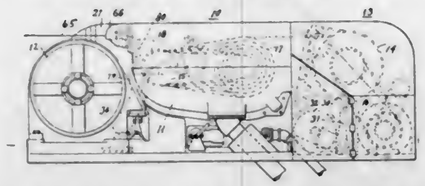
2,067,973

STRAND WORKING APPARATUS

Edwin J. McIlvried, Akron, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio

Application July 26, 1930, Serial No. 470,891

8 Claims. (Cl. 205—16)



1. In apparatus of the character described the combination of means for working a strand of material, means associated with said working means for slackening said strand, variable speed winding means for taking up the strand delivered by said working means, and control means responsive to the speed of said winding means for automatically stopping said winding means and automatically actuating said slackening means substantially simultaneously with the stopping of the winding means.

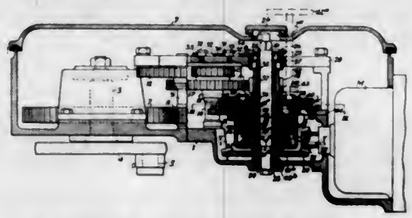
2,067,974

RAILWAY SWITCH OPERATING APPARATUS

William C. McWhirter and Edwin G. Little, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 26, 1935, Serial No. 3,626

19 Claims. (Cl. 246—240)



1. Railway switch operating apparatus comprising a rotatable shaft, a pinion biased to one longitudinal position on said shaft, braking means secured to said pinion and effective when said pinion occupies said one position for preventing rotation of said pinion, power means for driving said shaft connected with said shaft, cam mechanism on said shaft effective when a torque is exerted on said shaft for moving said pinion in opposition to its bias to a position in which said brake mechanism is released, and means responsive to rotation of said shaft for driving said pinion.

2,067,975

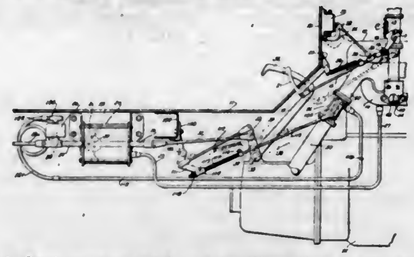
VEHICLE BRAKING MEANS

Lester H. Messinger, Jr., Trumbull, Conn., assignor to Messinger Devices, Incorporated, Bridgeport, Conn., a corporation of Connecticut

Application March 17, 1934, Serial No. 716,090

32 Claims. (Cl. 192—3)

19. In combination with the braking system of a motor vehicle including an internal combustion engine for propelling the vehicle, means for creating a back pressure in said engine at predetermined times, means utilizing said pressure to apply the vehicle brakes, and means separate from



said first means and controlling the application of said pressure to said last means.

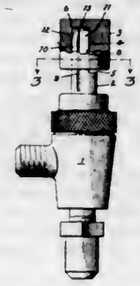
2,067,976

MEANS FOR ATTACHING HANDLES TO STEMS

Ervin H. Mueller, Grosse Pointe Park, Mich.

Application July 3, 1935, Serial No. 29,767

2 Claims. (Cl. 287—53)



2. The combination with a stem of substantially D-form in cross section and split longitudinally inward from its free end with said split extending longitudinally of said stem at an inclination to the axis of said stem, said split extending transversely of said stem substantially parallel with said flat side thereof to form a spring finger of increasing cross-sectional area towards its inner end at the curved side of said stem opposite said flat side, said finger bearing at its free end against said stem, and a handle formed with a socket of substantially D-form in cross section to receive the end portion of said stem and finger.

2,067,977

INDICATING FUSE PLUG

Hrand M. Muncheryan, Los Angeles, Calif.

Application April 23, 1936, Serial No. 75,996

17 Claims. (Cl. 200—121)



1. In an indicating fuse plug, the combination with a plug body having a chamber, a window at one end of said chamber and spaced contacts, of a fuse electrically connecting said spaced contacts, a fusible portion of which fuse is positioned immediately adjacent the window in said fuse plug, said portion constituting current carrying fuse condition indicating characters.

2,067,978

PRESERVATION OF RUBBER

Arthur Morrill Neal, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application February 26, 1932, Serial No. 595,430. Divided and this application August 28, 1934, Serial No. 741,826

12 Claims. (Cl. 18—50)

11. Rubber having incorporated therein as a deterioration inhibitor a secondary phenyl naphthylamine in which the phenyl radical carries as its sole substituent a radical selected from the morpholyl and piperidyl radicals and the naphthyl radical is a member of the group consisting of unsubstituted naphthyl radicals and substituted naphthyl radicals containing as the sole substituents at least one member of the group consisting of alkyl, alkoxy, hydroxy and primary amino groups.

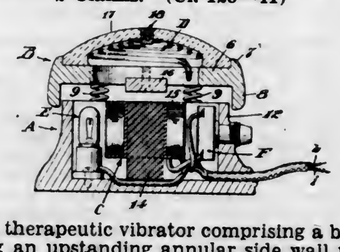
2,067,979

THERAPEUTIC VIBRATOR

Frank H. Newton, Los Angeles, Calif., assignor to Eugene H. Cassidy, Hanford, Calif.

Application October 3, 1935, Serial No. 43,345

2 Claims. (Cl. 128—41)



1. A therapeutic vibrator comprising a base including an upstanding annular side wall formed with a series of recesses, coil springs seating in said recesses and extending above said wall, an annulus formed with recesses in which the upper ends of said springs are seated, said annulus being supported on said springs in spaced relation to said wall, an applicator carried by said annulus, an armature carried by said annulus, and an electromagnet carried by said base adapted to act in cooperation with said springs to effect vibration of said annulus through said armature, and means for directing alternating electrical current to said electro-magnet.

2,067,980

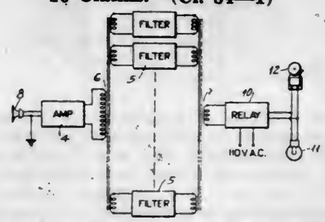
ELECTRICAL SOUND TUNING AND PRODUCTION SYSTEM

Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware

Application October 18, 1933, Serial No. 694,100

Renewed June 17, 1936

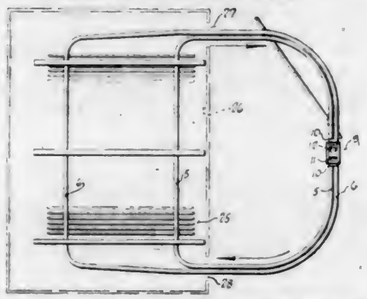
16 Claims. (Cl. 84—1)



1. In combination, means for translating sound waves into corresponding electrical currents, means for distinguishing certain of said

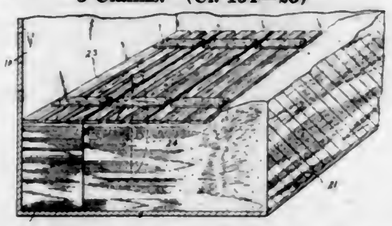
currents on the basis of the frequencies thereof, said certain currents being a series of frequency groups, means operative by the currents passed by said last mentioned means, and means energized by said operated means for indicating the passage of said currents.

2,067,981
CROSS-OVER SWITCH
John B. Ohlson, Rockaway, N. Y., assignor to Ira Milton Jones, Milwaukee, Wis.
Application November 2, 1933, Serial No. 696,327
3 Claims. (Cl. 104—96)



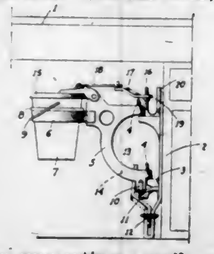
1. In combination with a pair of overhead supporting tracks of a leather stretching and drying system which tracks have side-by-side parallel portions with adjacent breaks therein and with the end portions of the tracks at said breaks directed inwardly so that the end portions of one track are in line with the diagonally opposite end portions of the other track and said system including stretching frames and trolleys to movably and pivotally support the frames from the tracks, there being two trolleys for each frame with one trolley riding on each track, means for automatically switching the trolleys from one track to the other and vice versa as the stretching frames are moved along said parallel portions of the tracks comprising, hinged bridging members normally in inoperative positions disposed in the path of advancing trolleys and movable to operative positions bridging the spaces between the diagonally opposite and aligned end portions of the supporting tracks.

2,067,982
INSULATING MATERIAL AND METHOD OF PRODUCING SAME
Clarence W. Poe, Shaker Heights, Ohio
Application April 4, 1935, Serial No. 14,665
5 Claims. (Cl. 154—28)



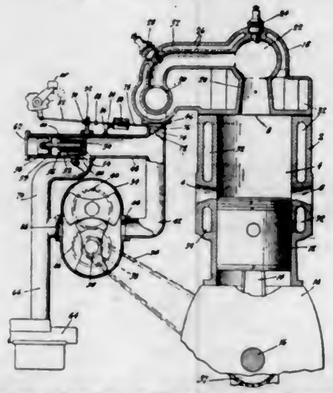
1. The method of producing insulating bats which comprises projecting mineral wool into a chamber and allowing the wool to settle therein with its fibers extending in substantially horizontal strata, applying pressure to the top of the stratified wool and relatively compacting the same without otherwise disturbing the wool fibers, and thereafter splitting the stratified compacted wool substantially horizontally into bats.

2,067,983
KITCHEN ACCESSORY
Norman J. Rice, Oakland, Calif.
Application December 7, 1934, Serial No. 756,509
3 Claims. (Cl. 248—145)



1. Means for supporting a pail on a structure having a recess therein comprising a frame adapted to be mounted within said recess, a bracket pivotally mounted on said frame for movement into and out of said recess, means on said bracket for supporting said pail, a cover for the pail pivoted on the bracket, a link connected at one end to the cover in front of its pivot, a horizontal arm pivoted adjacent one end on the frame adjacent the pivotal axis of the bracket, the link being pivoted on the other end of the arm, said arm and link being disposed at an acute angle to each other back of the bracket when the cover is closed, and stop means between the arm and frame to hold the arm against movement when the bracket has been swung outwardly from the recess a certain amount, whereby with a further swinging of the bracket, the distance between said other end of the arm and the point of connection of the link with the cover, when the latter is closed, will be increased to cause the link to pull the cover to a raised position.

2,067,984
TWO-CYCLE ENGINE LOAD CONTROL
John Ross, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 19, 1932, Serial No. 629,414
9 Claims. (Cl. 123—103)

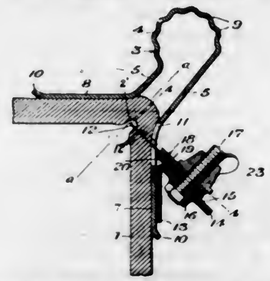


1. In combination with an internal combustion engine having an induction system including a blower, a by-pass to enable the carbureted fuel to circulate through the blower when excessive pressures are reached, and a throttle, means manually to operate the throttle, a bellows to operate the throttle, said bellows having its interior connected at the by-pass to the air from the blower whereby to cause a full closing of the throttle at certain intake pressures and manual control settings.

2,067,985
TREATMENT OF WASTE SULPHURIC ACID AND MANUFACTURE OF SULPHATE AND CARBONACEOUS COMPOSITIONS THEREFROM
Neil A. Sargent, Woburn, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application May 10, 1933, Serial No. 670,306
13 Claims. (Cl. 252—3)

1. The process of recovering sulfuric acid and of making carbon having adsorptive, decolorizing and deodorizing properties, from a dilute aqueous sulfuric acid containing soluble organic matter of a petroleum origin which comprises concentrating the acid to approximately 68%–72% H_2SO_4 strength and subsequently heating the same at superatmospheric pressure whereby active finely divided though filterable carbon is produced.

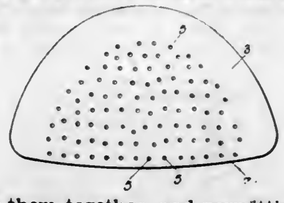
2,067,986
CARTON OPENING DEVICE
Gottfried J. Schmidt, Pearl River, N. Y., assignor to Container Opening Devices, Inc., New York, N. Y., a corporation of New York
Application October 30, 1933, Serial No. 695,784
11 Claims. (Cl. 30—3)



11. In a carton opening implement for opening a carton having a pocket or channel formed interiorly thereof extending outwardly from the apex of the angle formed by inner faces of adjacent walls of the carton, a tool carrier comprising angular shoes for sliding engagement with the outer walls of the carton, and a cutting tool mounted on one of said shoes and projecting laterally therefrom with its cutting edge at such a distance below the other of said shoes that it will cut toward and into said pocket or channel.

2,067,987
ART OF STIFFENING PORTIONS OF BOOTS AND SHOES
Bruno E. Schwarz, Buenos Aires, Argentina, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 5, 1935, Serial No. 34,735
In Spain September 26, 1934
4 Claims. (Cl. 36—77)

1. That improvement in stiffening portions of the laminated uppers of shoes, by the use of a stiffening substance adapted to be softened by a solvent which has a deleterious effect on the display surface of the outer layer of the upper, said method comprising introducing a layer of softened stiffening substance between layers of the upper, forming the layers upon a last and thereby

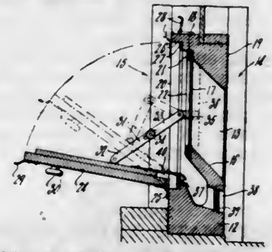


pressing them together, and permitting softened stiffening substance to reach only one of the layers of the upper and to reach that layer only throughout a part of the extent of the layer of stiffening substance.

2,067,988
DISTINCTIVE PAPER AND METHOD OF MAKING SAME
Burgess W. Smith, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
No Drawing. Application April 23, 1934, Serial No. 721,977
4 Claims. (Cl. 91—67.95)

1. A distinctive paper having hidden words, characters or designs formed by selective variation in the sizing effect, coated on opposite sides with interacting chemicals adapted to develop and render permanently visible said words, characters or designs when said paper is wet with a liquid.

2,067,989
WINDOW VENTILATOR
Herman T. Stelljes, Hollis, N. Y.
Application March 14, 1936, Serial No. 68,865
7 Claims. (Cl. 98—97)

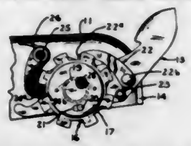


1. A combined window sash and ventilator having openings for the passage of air, screens in the openings, a door at the rear of the openings for controlling passage of air therethrough, said sash having a lengthwise channel portion formed in the body of the sash beneath the screens, and a deflector carried by the door and adapted to extend downward into said channel portion for directing drainage into the channel portion, the latter having a port to the outside of the sash.

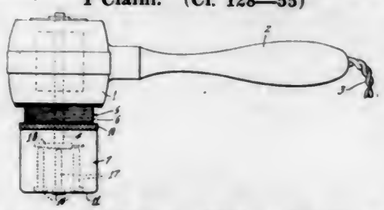
2,067,990
PAWL AND RATCHET DEVICE
Charles H. Taylor, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 2, 1935, Serial No. 43,131
8 Claims. (Cl. 74—155)

1. In a mechanical movement for imparting an intermittent rotary motion, the combination of a

ratchet disc and a clutch disc rotative about a common axis and having limited relative rotation through a small arc, tension means acting to hold said discs at one extremity of their relative rotative movement, an operating lever including a pawl engaging teeth on said ratchet disc and operative to rotate said discs through a predetermined angle in one direction during each operating stroke thereof, a spring-pressed latch member engaging teeth on said clutch disc to normally hold the same against rotation, said ratchet disc acting in its initial rotation to displace said latch member and permit the same to pass over one of said clutch teeth with each operating stroke of said operating member.

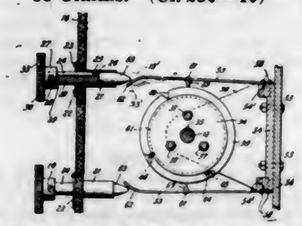


2,067,991
SCALP TREATING DEVICE
Clyde C. Taylor, Santa Ana, Calif.
Application February 1, 1935, Serial No. 4,449
1 Claim. (Cl. 128—55)



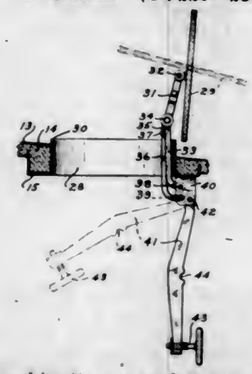
In a scalp treating device, the combination of a head having a face to rest against the scalp, a plurality of bushings set in said head through said face, each bushing having a chamber in its outer end, a plunger mounted in each bushing with its outer end fitting in its corresponding chamber, a cam mounted in said head for moving said plungers in one direction, and springs for moving the plungers in the other direction, the outer end faces of said plungers operating to strike the scalp on their outstrokes.

2,067,992
AUTOMATIC RADIO TUNER
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 30, 1928, Serial No. 316,090
33 Claims. (Cl. 250—40)



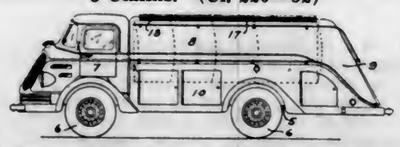
1. A radio cabinet having a set of manually operable members representing stations to be tuned in, a rotary tuning shaft in said cabinet, each of said members being movable to two extreme positions irrespective of the angular position of said shaft, means whereby each member remains in either position when manually released, mechanical connections controlled by said members for stopping said shaft in selected tuning position, and a finger piece for turning said shaft in either direction until stopped by said connections.

2,067,993
VEHICLE TANK STRUCTURE
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application May 31, 1934, Serial No. 728,349
11 Claims. (Cl. 220—25)



11. In combination, a tank having an opening, a closure plate for said opening, a pair of levers having corresponding ends swingably supported upon laterally spaced pivots carried by said tank, a link pivotally attached to said plate, and similarly laterally spaced pivots connecting the opposite ends of said levers with said link.

2,067,994
TANK STRUCTURE
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application May 31, 1934, Serial No. 728,350
6 Claims. (Cl. 220—32)



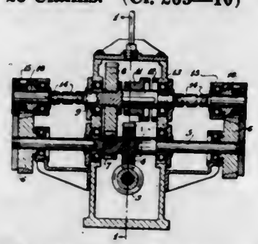
1. In combination, a tank having an upper opening, a closure for said opening pivotally supported to swing transversely of said tank, and an upwardly curved walk extending along the top of said tank and having an upwardly curved pivoted section disposed above said closure, said pivoted section being mounted to swing longitudinally of said tank and having one end curved to coact with a substantial portion of the upwardly curved adjacent part of the walk when said pivoted section is swung open.

2,067,995
ELECTRODE HOLDER
Dana P. Varner, Melvindale, and Leonard J. Ruedisueli, Detroit, Mich.
Application March 21, 1935, Serial No. 12,212
2 Claims. (Cl. 219—8)

1. In an electrode holder of the class described, comprising: a pair of bars, each of said bars having at one end a semi-circular, peripherally-threaded head, the heads on said bars cooperating to form a circular body having a bore therein; a conductor inserted into said bore; an internally-threaded, internally-tapered sleeve for the reception of said threaded end of said bars, the threading of said bars into said sleeves effecting a clamping of said conductor in said bore.

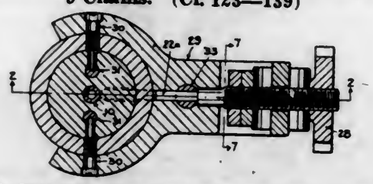


2,067,996
MACHINE FOR TESTING LUBRICANTS
John F. Werder, Lakewood, Ohio, assignor of one-half to Edmund Rogers, South Euclid, Ohio
Application December 1, 1933, Serial No. 700,626
23 Claims. (Cl. 265—10)



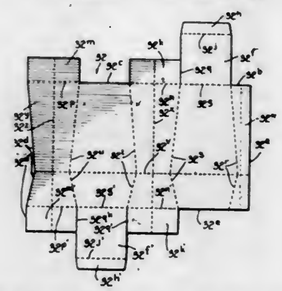
20. In a lubricant testing machine, a frame, two sets of two circular metal elements mounted thereon about parallel axes, means for driving one element of each set relative to the other element, the width of the driven elements being a multiple of the fixed element, means for applying a variable load equally upon the elements of both sets, the mountings of the fixed elements including means permitting rotational adjustment of said fixed elements to fresh index points, and means for lateral adjustment of the fixed elements to secure engagement with fresh portions of the rotating elements.

2,067,997
FUEL INJECTOR FOR INTERNAL COMBUSTION ENGINES
Eli White, Detroit, Mich.
Application May 7, 1934, Serial No. 724,281
9 Claims. (Cl. 123—139)



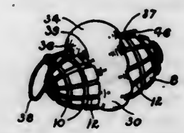
9. A fuel injecting device for an internal combustion engine comprising in a single unit a hollow body attachable to the engine and opening thereto, a fuel cylinder in the body, a fuel piston reciprocable therein, a fuel inlet for the said fuel cylinder, a bypass conduit extending from the fuel cylinder to the inlet, a needle valve having a stem and closing the by-pass, variable elastic means on the needle valve stem for varying the pressure with which the needle valve is normally seated, a spring controlled plunger having a wedge shaped surface engaging correspondingly wedge shaped surfaces on the needle valve, and electrically controlled means for causing movement of the plunger and by engagement of said wedge shaped surfaces to unseat the needle valve.

2,067,998
FOLDING BOX
Marshall I. Williamson, Edgewater, N. J.
Application January 18, 1934, Serial No. 707,165
13 Claims. (Cl. 229—16)



1. A blank for a box having a body portion providing for the side walls of the resulting box, extensions connected at the top and bottom of the blank providing for the top and its associated end flaps and the bottom and its associated end flaps respectively, the body of the blank being scored or creased non-rectilinearly from top to bottom to provide when set-up symmetrical side walls of the box related to one another at angles other than right angles and at angles other than right angles to the top and bottom, said blank being further provided at one side with a lateral extension having a rectilinear side edge, said blank being further provided with two mutually spaced rectilinear fold lines extending parallel to said rectilinear side edge, the extreme sidewise edge portions of the side of said blank opposite said rectilinear edge side being parallel to said rectilinear side edge, thereby affording flat foldability of the blank upon itself along said two mutually spaced rectilinear fold lines, with portions of said opposing side of the blank overlying said side extension.

2,067,999
CENTRIFICALLY ARMED GRENADE
John H. Adams, Seattle, Wash.
Application October 2, 1935, Serial No. 43,248
5 Claims. (Cl. 102—29)

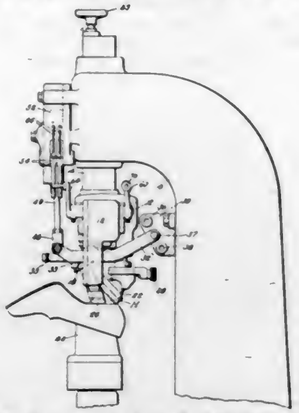


1. The combination with an explosive missile having a casing, of a spring-actuated detonator mounted on said casing and retaining means therefor, an annular band revolvably mounted on said casing, and means within said band for releasing said retaining means.

2,068,000
HEEL-ATTACHING MACHINE
William Roderick Barclay and Frank Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 25, 1934, Serial No. 736,882
In Great Britain November 18, 1933
16 Claims. (Cl. 1—32)

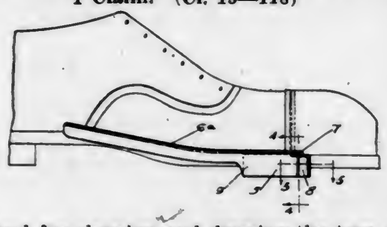
1. In a heel-attaching machine, a plurality of pressure-abutments movable into engagement

with a heel, and means controlled by one abut-



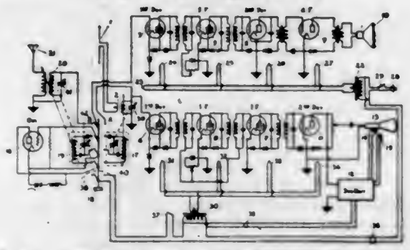
ment while it is in motion for limiting the pressure applied by another abutment.

2,068,001
SHOE CLEANING TOOL
Lloyd W. Barnes, Chicago, Ill., assignor of one-half to Andrew J. Drabik, Chicago, Ill.
Application November 22, 1935, Serial No. 51,033
1 Claim. (Cl. 15—118)



A tool for cleaning and dressing the tops and edges of the soles of shoes comprising a blade portion curved from its general plane at one end, a right angled flange extending longitudinally from a side edge of said blade portion, a portion of said flange opposite the curved portion of said blade being detached therefrom.

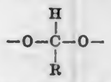
2,068,002
ENTERTAINMENT RECEIVER
John C. Batchelor, New York, N. Y.
Application April 19, 1935, Serial No. 17,170
2 Claims. (Cl. 250—9)



2. In combination, a sound-reproducing system, an image-reproducing system, means for causing said sound-reproducing system to respond to various different frequency bands and comprising an oscillator and first and second oscillating circuits and switch means for associating said circuits selectively with said oscillator, connections between said switch means and said sound-reproducing and image-reproducing systems, a power-supply circuit for said image-reproducing system, and a switch device forming part of said power supply circuit and actuated by said switch means to open said power supply circuit when said first-named means is effective to cause said sound-reproducing system to respond to a given frequency band.

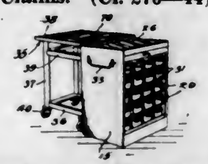
2,068,003
TEXTILE PROCESS AND PRODUCT
George R. Blake and George W. Seymour, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 17, 1935, Serial No. 2,205
18 Claims. (Cl. 28—1)

1. Yarn containing an organic derivative of cellulose and more than 15% on the weight of the organic derivative of cellulose of a lubricating compound comprising an ether having the formula



where R is hydrogen or an alkyl or phenyl residue, and where the two free oxygen bonds are linked to two monovalent radicals derived from polyhydric alcohols or from hydroxy-carboxylic acids or are linked to a divalent radical derived from a polyhydric alcohol or a hydroxy-carboxylic acid and an oil.

2,068,004
METHOD AND APPARATUS FOR HANDLING TYPE METAL
George L. Curie and William H. F. Thompson, Minneapolis, Minn., assignors to The Monomelt Company, Minneapolis, Minn., a corporation of Minnesota
Application May 9, 1930, Serial No. 450,993
9 Claims. (Cl. 276—44)



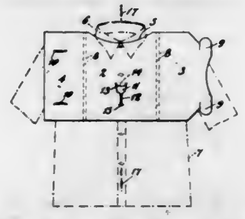
1. The method of handling type metal in a print shop including a type casting machine having a melting pot and an auxiliary melting pot, which consists in providing a plurality of receptacles each adapted to receive scraps and waste pieces of type metal, in providing a plurality of separate stations each conveniently situated in remote relation to said type casting machine and adapted to receive at least one of said receptacles, in accumulatively loading the receptacles at each of said stations with scraps and waste pieces of type metal respectively formed at said stations, in providing a station adjacent said type casting machine adapted to receive said receptacles, in transporting receptacles loaded with scraps and waste pieces of type metal from said plurality of separate stations in remote relation to the type casting machine to said station adjacent said type casting machine selectively discharging the material contained in the receptacles at said last mentioned station into said auxiliary melting pot and melting the same whereby said type metal is kept substantially free from dirt and foreign matter, said print shop is kept clean, a molten metal of high quality and one comparatively free from dross is produced, and remelting of the type metal into bars or ingots is eliminated.

2,068,005
ANTIMONY TRIFLUORIDE PREPARATION
Herbert Wilkens Daudt and Mortimer Alexander Youker, Wilmington, and Edwin Lorenzo Mattison, Richardson Park, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 18, 1931, Serial No. 516,824
19 Claims. (Cl. 23—88)

1. The process of preparing antimony trifluoride which comprises treating solid antimony tri-chloride with hydrogen fluoride at a temperature below the melting point of antimony tri-chloride.

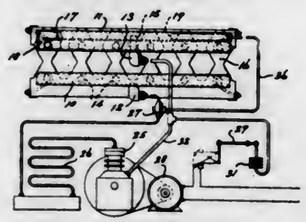
11. The process which comprises treating anhydrous antimony tri-chloride with substantially anhydrous liquid hydrogen fluoride at a temperature range of about 0 to 15° C.

2,068,006
SHIRT HOLDER
Lawrence De Frances, New York, N. Y.
Application November 23, 1935, Serial No. 51,279
5 Claims. (Cl. 229—87)



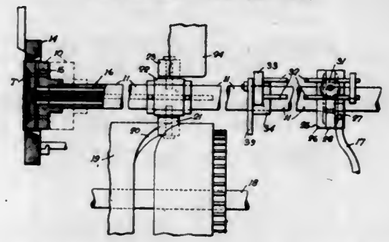
4. In a shirt holder, the combination with a sheet including a middle portion and side portions, and said middle portion having centrally located means for engaging one of the chest buttons of the shirt to facilitate symmetrical folding of the shirt and its enwrapment by said side portions.

2,068,007
REFRIGERATING APPARATUS
Herman J. Dick, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application March 17, 1933, Serial No. 661,201
Renewed June 16, 1934
1 Claim. (Cl. 62—3)



A refrigerating system comprising in combination, an evaporator, said evaporator including a header having a liquid refrigerant inlet, said evaporator also including another header disposed above said first named header and having a gaseous refrigerant outlet, said another header being larger than said first named header and lying parallel thereto, a plurality of refrigerant distributing conduits connected in parallel to said headers and extending outwardly therefrom, a plurality of fins secured to and disposed at right angles to said refrigerant distributing conduits for increasing the heat transference surface of the evaporator, means for circulating liquid refrigerant to said evaporator and for withdrawing gaseous refrigerant therefrom, a valve for controlling the flow of liquid refrigerant into said evaporator through the inlet provided in said first named header, a thermostat positioned within said another header and responsive to the temperature of refrigerant flowing from said conduits to said another header for modifying the action of said valve to maintain a quantity of liquid refrigerant in said headers and said conduits, and a baffle positioned in said another header below said thermostat.

2,068,008
PNEUMATIC CONTROL FOR BOX MACHINES
Harry K. Dickermann, Buffalo, and John W. McCarthy, Lockport, N. Y., assignors to F. N. Burt Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario
Original application July 7, 1927, Serial No. 203,881. Divided and this application January 14, 1933, Serial No. 651,768. Renewed June 24, 1936
15 Claims. (Cl. 93—39)

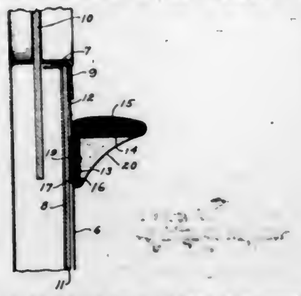


1. In a fluid power controlling device for box machines, in combination, a longitudinally reciprocable and rotary fluid conduit, a supporting head carried by said conduit for movement with the latter and having a gripper port in fluid communication with the conduit, a control valve mounted upon said conduit for movement therewith and having fluid communication therewith and with a source of fluid power supply, and automatic means for controlling said valve to control fluid power to the conduit and gripper port in different longitudinal positions of said conduit.

2,068,009
ARM REST
Harry C. Doose, Spokane, Wash.
Application November 24, 1934, Serial No. 754,564
9 Claims. (Cl. 155—198)

9. An arm rest comprising, a flat supporting bar, a bracket having an arm supporting plate extending away from said bar and also having a rear plate extending along one side of said bar, a friction block interposed between said rear plate and one side of said bar, and a clamping plate secured to said rear plate and coacting with the opposite side of said bar, said clamping plate having integral projections disposed adjacent

the opposite edges of said bar and spaced slightly therefrom, said projections being engageable

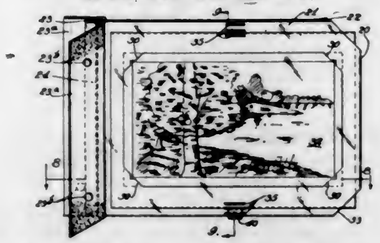


with the opposite side edges of said bar to permit limited swinging of said bracket.

2,068,010
PROCESS FOR THE MANUFACTURE OF ACETALDEHYDE
Henry Dreyfus, London, England
No Drawing. Application August 22, 1932, Serial No. 629,905. In Great Britain October 5, 1931
8 Claims. (Cl. 260—138)

1. Process for the manufacture of acetaldehyde, which comprises subjecting ethyl alcohol vapor to oxidation and separating acetaldehyde from water vapor contained in the vaporous reaction products by selective absorption of the acetaldehyde, at a temperature above the boiling point of water, in a medium chemically inert to the acetaldehyde under the conditions obtaining during the separation.

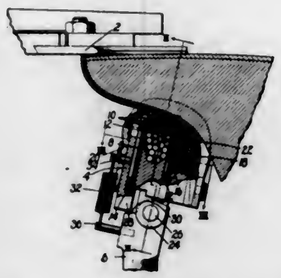
2,068,011
TRANSPARENT DISPLAY AND FILING DEVICE
Albert W. Engel, Chicago, Ill.
Application November 14, 1934, Serial No. 753,009
8 Claims. (Cl. 129—20)



1. A display holder comprising a sheath of transparent sheet material folded upon itself to provide two leaves in substantially parallel planes, and means joining the free edges of said leaves opposite their fold comprising a gummed binder strip creased longitudinally with said free edges of the sheath embraced between gummed surfaces of said strip and stitching permanently securing the parts in this relation, a portion of said strip being folded back upon itself, thus exposing the gummed surface to render the binder strip available as a mounting hinge for the holder.

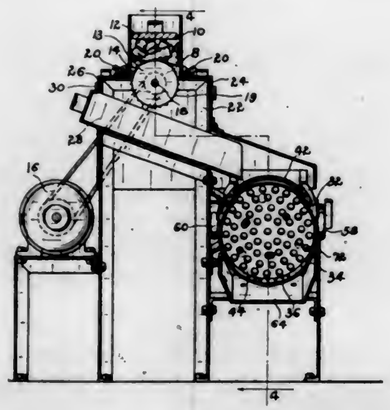
2,068,012
SHOE REST
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 29, 1935, Serial No. 47,281
9 Claims. (Cl. 12—123)

1. In a shoe rest, a holder arranged to face the top of the forepart of a shoe, a group of loose elements between said holder and the shoe relatively movable in all directions and arranged to adjust themselves in accordance with the contour of the top of the forepart of the shoe, means positively



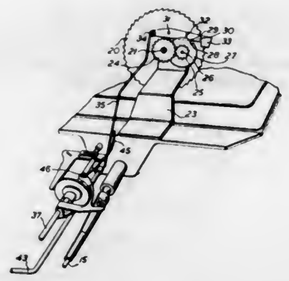
confining said group of elements laterally but yieldable in a direction heightwise of the shoe in response to pressure of the shoe thereon, and a relatively soft flexible cover interposed between said group of elements and the shoe upper.

2,068,013
JUICE EXTRACTOR
Charles M. Fridlender and Ethel A. Fridlender, Seattle, Wash.
Application September 18, 1933, Serial No. 689,962
1 Claim. (Cl. 146—123)



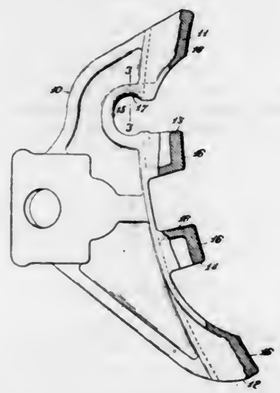
The combination with a supporting frame, and a closure having a cover plate, of a removable feed hopper having a flanged base plate forming the top of the closure and fastening means therefor, a removable shearing plate located on top of the closure and retained by the flanged base plate, a rotary shaft and a plurality of circular cutter disks mounted thereon, means for revolving the shaft, a removable pulp-receiving trough located in and supported by the closure beneath the cutter disks, a stop flange at the upper rear end of the trough for engagement with the cover plate, spring hooks at opposite sides of the closure engaging the cover-plate, and said cutter disks having their upper portions projecting upwardly into the hopper and adjacent to the shearing plate and their lower portions located in the closure.

2,068,014
MEANS FOR MEASURING YARNS
Stephen Miller Fulton, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application October 23, 1934, Serial No. 749,567
In Great Britain November 7, 1933
5 Claims. (Cl. 33—136)



1. Apparatus for effecting the unwinding of a predetermined amount of yarn from bobbins and like packages having a substantially constant amount of yarn in each layer, said apparatus comprising means for unwinding yarn from such a package, a guide free to move lengthwise of the package and adapted to be engaged and moved by the unwinding yarn, a member adapted to stop the yarn-unwinding means, and means driven by the movable guide and adapted to operate the stop member after a predetermined number of movements of the guide lengthwise of the package.

2,068,015
BRAKE HEAD
Homer E. Gannett, Berwyn, Ill.
Application October 27, 1933, Serial No. 695,457
1 Claim. (Cl. 188—236)

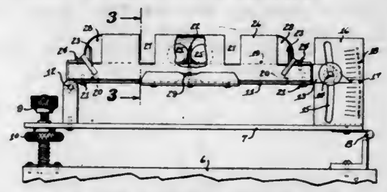


As an article of manufacture, a malleable iron brakehead provided with integral brake shoe engaging and supporting lugs, the shoe contacting surfaces of said lugs being recarbonized and given a substantially white cast iron consistency.

2,068,016
METHOD OF POLYMERIZING OLEFINS
Frederick H. Gayer, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application March 6, 1933, Serial No. 659,842
9 Claims. (Cl. 196—10)

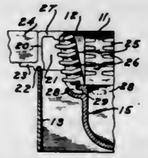
2. The process of forming higher boiling hydrocarbons from lower boiling olefins of three or more carbon atoms comprising bringing a gaseous mixture of the olefin and a hydrogen halide acid into contact with a catalyst containing silica and alumina, the alumina having been deposited upon the silica by hydrolytic adsorption from a solution of an aluminum salt, and subsequently dehydrated.

2,068,017
TRACK LEVEL INDICATOR
Jay A. Given, Dunsmuir, Calif.
Application February 25, 1936, Serial No. 65,557
8 Claims. (Cl. 33—206)



1. A track level indicator comprising a pair of converging spaced strips set on edge, the upper edges of said strips forming a raceway, and a ball mounted to roll upon said raceway, the convergence of said strips causing said raceway to have an effective slope, whereby the ball remains at one position when the instrument is level but rolls to another position when the instrument is inclined.

2,068,018
STOKER
John Goetz, Wauwatosa, Wis.
Application January 5, 1935, Serial No. 569
6 Claims. (Cl. 110—45)



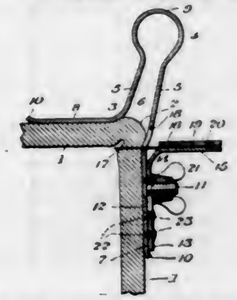
1. A grate assembly comprising a series of adjoining grate bars each having a central web and integral fins projecting laterally from the opposite sides of the web to form a plurality of superimposed air passages of uniform cross-sectional area on each side of the web, the front fuel supporting surfaces of each web and the associated fins lying in a common inclined plane and the outlet ends of said passages extending substantially perpendicular to said plane, and the rear ends of said fins extending horizontally and rearwardly beyond said web and providing substantially horizontal unrestricted inlet ends for said passages in open communication with said inclined outlet ends, whereby free and abundant flow of air through said passages is assured and gravitation of fuel therethrough is prevented when the air flow ceases.

2,068,019
THERMO NONCONDUCTING PACKING MATERIAL
Christian Gottwald, Cleveland Heights, Ohio, assignor to The Ric-Wil Company, Cleveland, Ohio, a corporation of Ohio
Application August 8, 1931, Serial No. 556,026
12 Claims. (Cl. 106—18)



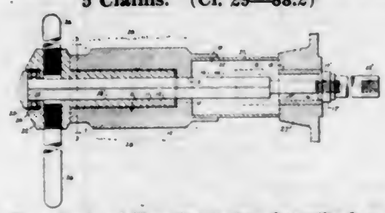
1. A thermo non-conducting packing material comprising a mass of loosely associated asbestos fibers which have been treated with an insoluble soap to render them water repellent.

2,068,020
CONTAINER OPENING DEVICE
Charles H. Grounds, Colonie, N. Y., assignor to Container Opening Devices, Inc., New York, N. Y., a corporation of New York
Application October 20, 1933, Serial No. 694,462
7 Claims. (Cl. 30—3)



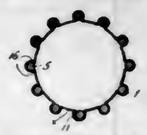
4. A carton opening implement adapted for opening a carton having a beaded or projecting edge comprising a pair of angularly related shoes having sliding engagement with adjacent walls of the carton and the inner edges thereof terminating adjacent said beaded or projecting edge, a cutting tool mounted upon one of said shoes, and means connecting said shoes forming a throat in which the said beaded or projecting edge of the carton is received.

2,068,021
BUSHING EXTRACTING AND INSERTING TOOL
Myron A. Hamman, Chicago, Ill.
Application August 7, 1935, Serial No. 35,113
5 Claims. (Cl. 29—88.2)



1. In a tool, of the character described, a jack-screw holder, a jack screw workable through said holder, a square draw rod or spline operable by means of said screw and slidably mounted in a central corresponding square opening provided in said holder, a bushing ejecting or inserting reversible adapter detachably securable to one or free end of said rod, a thrust member carried by said holder, a thrust bearing interposed between said screw and a shoulder formed on one end of said rod, and jack-screw operating handles suitably fastened in said screw.

2,068,022
TUBULAR STRUCTURE
Victor F. Hammel, New York, N. Y.
Application June 18, 1932, Serial No. 617,991
4 Claims. (Cl. 189—23)



4. A stiffened tube comprising metal strength bars resistant to bending wedged in spaced internally facing grooves of an enveloping metal tubular shell, said bars completely occupying said grooves and said grooves conforming to the contour of said bars.

2,068,023
SANITARY DISPENSER
Essie P. Harp, Independence, Mo.
Application December 16, 1935, Serial No. 54,568
5 Claims. (Cl. 221—60)



1. A dispenser for material packed in a collapsible tube comprising a case to house the tube; a clamp within the case partially circumscribing the tube to hold the tube against displacement; means for adjusting the clamp to draw the tube against the case; and means for winding the tube into a roll to force material therefrom.

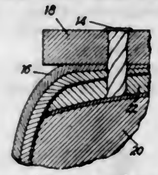
2,068,024
FRUIT CLIPPER
Leo M. Harvey, Los Angeles, Calif.
Application June 16, 1934, Serial No. 730,969
4 Claims. (Cl. 30—24)



1. Fruit clippers including two members, jaws on the members adapted to cooperate to cut the stem of a fruit, a detachable pivot pin carried by one member to move therewith and passing freely through an opening in the other member, a bearing on the pin having one end bearing against the inner side of the first mentioned member and fitting said opening to support the said other

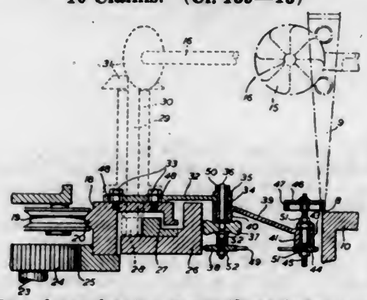
member for pivotal movement, and a bearing member clamped against the other end of the bearing and having engagement with the first mentioned member to move with the first mentioned member and projecting forwardly over the jaws to position the stem of the fruit between the jaws.

2,068,025
FASTENING
Alex Hayner, Needham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 2, 1935, Serial No. 34,341
2 Claims. (Cl. 36—24)



2. A peg comprising a plurality of strands of paper twisted individually and thereafter twisted together, said strands being impregnated with and coated with stiffening material.

2,068,026
CIRCULAR LOOM
Joanny Jabouley and Robert Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application August 3, 1935, Serial No. 34,576
In Great Britain August 20, 1934
10 Claims. (Cl. 139—13)

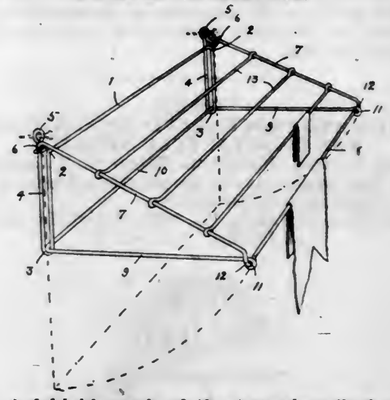


1. In a loom having warp threads arranged in a circle, a rotatable wheel, means for mounting said wheel with its periphery in contact with the warp threads near the fell of the fabric, and means for rotating said wheel so that its periphery moves past the warp threads and plucks the threads circumferentially in turn, the resultant vibration causing the warp threads to assume an even spacing in the fabric woven in the loom.

2,068,027
PROCESS OF MAKING GLUCOSIDES FROM DIGITALIS PURPUREA
Friedrich Jäger, Mannheim, Germany, assignor to Rare Chemicals Inc., New York, N. Y.
No Drawing. Application May 9, 1935, Serial No. 20,644
4 Claims. (Cl. 87—28)

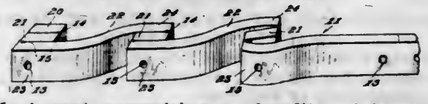
1. In the art of preparing glycosids, the process which comprises extracting the leaves of *Digitalis purpurea* (foxglove) at a temperature below 30° C. with an aqueous solution of acetate of lead.

2,068,028
FOLDABLE RACK
Henry C. Jernson, Trego, Wis.
Application February 29, 1936, Serial No. 66,457
4 Claims. (Cl. 211—104)



1. A foldable rack of the type described comprising in combination a U-shaped member having elongated slots in the opposite side extremities thereof and having means for attaching it to a supporting object, a second U-shaped member pivotally attached to the termini of said first mentioned member, a third U-shaped member pivotally attached to the corners of said second member with its corners slidably supported within said elongated slots of the first member, and a plurality of bars fixed transverse the rack from one side of said second member to the other for support of any desired object.

2,068,029
MAT
Isaac Klaff, Norfolk, Va., assignor to Louis Klaff, Norfolk, Va.
Application November 24, 1936, Serial No. 112,592
8 Claims. (Cl. 20—78)



1. A mat comprising a plurality of longitudinally-extending strips, certain of said strips being transversely slit and folded to form spacer members therealong, and means securing all of said strips together.

2,068,030
SPARK PLUG
Leo F. Lieser, Estherville, Iowa
Application October 2, 1934, Serial No. 746,565
2 Claims. (Cl. 123—169)



1. In a spark plug the combination of a shell interiorly screw-threaded at its inner end forming a portion of an electrode, an exteriorly screw-threaded cap engaged with the interior screw-threads of the shell and completing the electrode, the cap having an orifice centrally located and gradually enlarging from the outer surface of the cap to the inner surface of the cap, an insulator within the shell, and a second electrode within the insulator having a projecting tapered end lo-

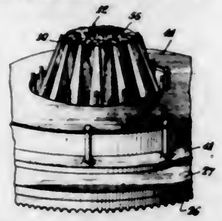
cated centrally in the orifice of the cap, the end of the inner electrode and the wall of the gradually enlarged orifice in the cap presenting differentially tapering surfaces whereby the spark-gap between the tapered electrode and the wall of the orifice in the cap may be decreased or increased by screwing inwardly or screwing outwardly the cap.

2,068,031

RAYON AND PROCESS AND APPARATUS FOR THE MANUFACTURE THEREOF

Frank Wilfred Mattinson, Utica, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware

Application November 15, 1934, Serial No. 753,134
30 Claims. (Cl. 18—8)



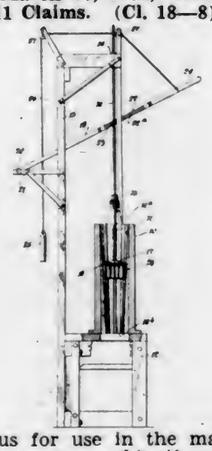
24. Apparatus for use in the manufacture of rayon, comprising a plurality of radially arranged movable jaws adapted to receive a spun rayon yarn cake; means for forcing said jaws radially inward, without altering the initial angle of the faces thereof, to engage a yarn cake placed therein, and to compress and crimp the same and reduce the diameter thereof; and means for retracting the jaws to release the compressed cake; said apparatus being characterized by the fact that throughout the inward travel of said jaws the face of each jaw remains substantially parallel to its position of initial engagement with the cake, and the inward motion of the jaws is accomplished without tilting about an horizontal axis.

2,068,032

PROCESS AND APPARATUS FOR THE MANUFACTURE OF RAYON

George Willard Bryant, Utica, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware

Application March 27, 1935, Serial No. 13,200
11 Claims. (Cl. 18—8)



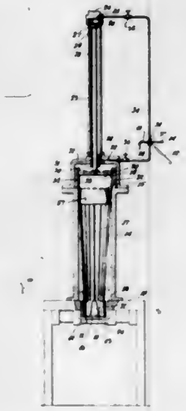
1. Apparatus for use in the manufacture of rayon, comprising, in combination, a die-like receptacle having upon its interior surface a plurality of inwardly projecting tapered ribs, the mouth of said receptacle being of such size and shape as to receive and accommodate a rayon yarn cake, and the taper, configuration and arrangement of said ribs being such as to compress said cake radially, upon forcing the cake into the receptacle; and means for forcing a rayon yarn cake along said receptacle to subject the cake to radial compression.

2,068,033

METHOD AND APPARATUS FOR MANUFACTURE OF RAYON

Frank Wilfred Mattinson, Utica, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware

Application June 25, 1935, Serial No. 28,231
6 Claims. (Cl. 18—8)



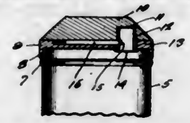
1. The combination with an apparatus for use in the manufacture of rayon said apparatus comprising a tubular die-like receptacle open at both ends, and having upon its interior surface a plurality of inwardly projecting tapered ribs, the mouth of said receptacle being located at the larger end thereof, and being of such size and shape as to receive a rayon yarn cake, and the taper, configuration and arrangement of said ribs being such as to compress said cake radially, when the same is forced along the bore of said receptacle, and means for forcing a rayon yarn cake along and through said die-like receptacle, to subject the cake to radial compression, and then ejecting the cake from the smaller end of the receptacle, after the desired compression of the yarn cake, of a cake-receiving and supporting receptacle arranged at the outlet end of and cooperating with said die-like receptacle to receive the compressed cake upon ejection from said die-like receptacle, and to contain and support the compressed cake, without deformation thereof, during transfer to, insertion in, and subsequent removal from, a centrifugal hydro-extraction machine, the interior dimensions of said receptacle being so proportioned that it is adapted to receive and retain the compressed yarn cake when ejected into the same, and the exterior dimensions of the receptacle being so proportioned that it is adapted for bodily insertion, with its contained cake, and in an inverted position, into the aforesaid cooperating centrifugal machine.

2,068,034

LIQUID AND POWDER DISPENSING CONTAINER

Kenneth D. Meredith, Toledo, Ohio

Application March 27, 1936, Serial No. 71,220
2 Claims. (Cl. 221—65)



1. A receptacle of the character described comprising a container provided with a top having a shallow basin therein, a swingable closure connected to the said top, a by-pass between the basin and the interior of the container, said by-pass consisting of a tube depending from the closure and swivelly connected to the said top, said tube having its interior communicating with the interior of the container and provided with a slot in the side thereof communicating the interior of the tube with the basin.

2,068,035

PACKING STRIP

Ernest Meyer, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application June 3, 1935, Serial No. 24,633
4 Claims. (Cl. 72—106)



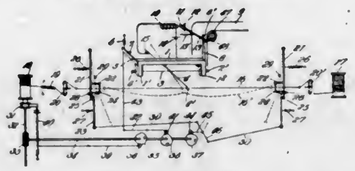
3. A packing strip for filling a crevice between structural members, said packing comprising a narrow strip of soft cellular vulcanized rubber having a preformed crease medially of one face thereof to induce determinate folding of the strip along its medial line when the strip is subjected to deforming forces.

2,068,036

APPARATUS FOR WEIGHING FILAMENTARY BODIES SUCH AS THREADS

Charles William Orling, Wilmington, England

Application July 16, 1936, Serial No. 90,883
In Great Britain July 9, 1935
10 Claims. (Cl. 265—5)



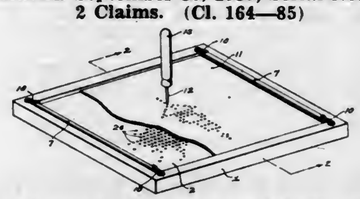
1. In apparatus for weighing filamentary bodies such as threads, a sensitive torsion balance comprising a pivoted frame and a displaceable beam, spaced gripping means on either side of the beam for gripping the length of thread to be weighed on said beam, and a recording arm adapted to move with the frame of the balance and means including a relay, in circuit with the frame of the balance and a contact adapted to make contact with said beam, such that restoration of the beam to normal position, while under load, by rotation of the frame of the balance, causes the beam to complete the circuit through the said contact and the relay to act upon the recording arm.

2,068,037

DRAWING DEVICE

Russell Stanley Osborn, Philadelphia, Pa.

Application September 30, 1935, Serial No. 42,941
2 Claims. (Cl. 164—85)



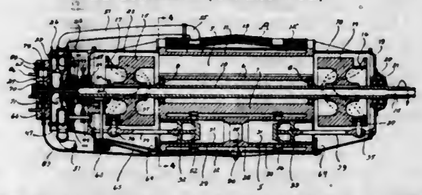
1. In a device of the stated character, the combination with a matrix having a surface marked by a plurality of closely arranged small openings, of means for detachably retaining a work sheet in fixed position against said surface, and a stylus for displacing the work sheet at selected spaced points into said openings, said openings being sufficiently small and close together to afford markings on the work sheet, through manipulation of the stylus as set forth, of the order of solid lines together with effects of light and shadow whereby said device is capable of producing designs of definite artistic value.

2,068,038

INTERNAL COMBUSTION ENGINE

Floyd S. Prothero, West Hartford, Conn., and John B. Parsons, Arlington, Mass.

Application August 16, 1933, Serial No. 685,436
14 Claims. (Cl. 123—51)



12. In an internal combustion engine, a cylinder block having a plurality of parallel disposed cylinders arranged in annular relation, a shaft journalled in the cylinder block parallel to the cylinders and projecting beyond opposite ends of the cylinder block, a pair of pistons movable in each of the cylinders, a front cam drum fixed on the shaft at the forward end of the cylinder block, a rear cam drum fixed on the shaft at the rear end of the cylinder block, a cam housing for the front cam drum, a rear cam housing for the rear cam drum, drive coupling means between the pistons and drums, a gear housing secured to the rear cam housing, a blower unit secured to the gear housing and embodying an impeller, drive gearing in the gear housing for driving the impeller from said shaft, a fuel pump unit secured to the blower and embodying a series of radially arranged fuel injection pumps one for each of the cylinders, said shaft projecting axially into the fuel pump unit, and a cam on the shaft for actuating the fuel injection pumps.

2,068,039

PIGMENT MANUFACTURE

Harold Robert Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

No Drawing. Application January 26, 1932, Serial No. 589,045
12 Claims. (Cl. 134—58)

1. In the manufacture of the pigment calcium carbonate magnesium basic carbonate by the re-

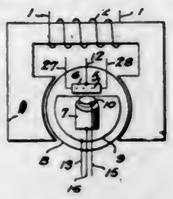
action of carbon dioxide on calcium carbonate magnesium hydroxide, the improvement which consists in reacting calcium carbonate magnesium hydroxide in the presence of water with carbon dioxide and maintaining substantially all the magnesium content thereof in substantially water insoluble form during the addition of the carbon dioxide by holding the temperature of the reaction mix during said addition approximately between 60° C. and that of boiling.

2,068,040

THERMIONIC DISCHARGE RELAY SYSTEM

George Stephen Schaberle, Glendive, Mont.

Application January 23, 1934, Serial No. 708,008
14 Claims. (Cl. 178—70)



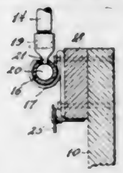
1. In an electronic relay, the combination of an evacuated vessel containing an electron emitting cathode, a source of current for heating the cathode, a primary anode and a secondary anode, means for establishing an electron stream between said cathode and said primary anode and for causing secondary electron emission from said primary anode, an output circuit connecting the primary anode with the secondary anode, including a source of potential to establish space current between said secondary anode and said primary anode by said secondary emission, an input circuit including means responsive to current of one polarity to deflect said primary electron stream entirely out of the path of said primary anode and thereby de-energize said output circuit.

2,068,041

TRUCK COVER

Otto C. Tate, Sr., Bishop, Ga., assignor of one-half to Ida Loyd Branch, Bishop, Ga.

Application February 15, 1935, Serial No. 6,760
2 Claims. (Cl. 296—105)



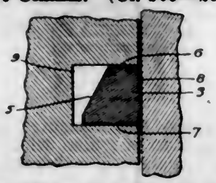
1. A collapsible cover for truck bodies and the like comprising, in combination, a pair of pipe runways on opposite sides of the body each having a longitudinal slot; securing strips on the sides of the body; a plurality of strap metal brackets for the runways intermediate their ends each having a straight vertical portion to be secured to said side strips and a bent portion below the upper end partially surrounding and welded to said pipes; a flexible cover fixed at its front end relative to the body; a plurality of bows for the cover each having fittings slidably mounted in said runways; means to hold the cover stretched over the body; and means to tie the collapsed cover at the front of the body.

2,068,042

PISTON AND PISTON RING

Charles N. Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana

Application October 30, 1933, Serial No. 695,778
10 Claims. (Cl. 309—29)



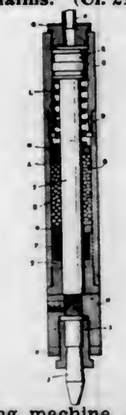
1. In combination, an internal combustion engine cylinder, a piston in said cylinder, said piston being provided with an imperforate rectangular groove, and a single inherently resilient split piston ring positioned within the groove and inherently free to contract and expand and twist or distort within the groove, the ring having substantially parallel upper and lower sides, disposed substantially within said piston groove, and an outer face substantially perpendicular to both of said sides, the upper portion of the inner face of the ring within the piston groove being reduced throughout the major portion of its periphery, whereby the ring is caused to twist or distort so that the outer lower corner of the ring is pressed most firmly against the cylinder wall and a circumferential seal is formed.

2,068,043

PRESSER ELECTRODE FOR ELECTRIC WELDING MACHINES

Hans G. Warnke, Detroit, Mich., assignor to Multi-Hydromatic Welding & Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application April 15, 1935, Serial No. 16,487
2 Claims. (Cl. 219—4)



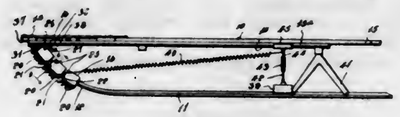
1. In a welding machine, a presser electrode welding unit comprisng a hollow body of electrically conductive material having a cylinder at one end and a bushing at the opposite end, a piston in said cylinder, a piston rod extending from said piston through said hollow body and bushing, an electrode mounted at the lower end of said rod, electrically conductive material filling the annular space between said hollow body and rod and a spring within said cylinder having one end bearing against said piston and the opposite end abutting upon said electrically conductive material.

2,068,044

EMERGENCY BRAKE FOR SLEDS OR SLEIGHS

William Weers, Jr., Bronx, N. Y.

Application March 24, 1936, Serial No. 70,708
8 Claims. (Cl. 188—8)



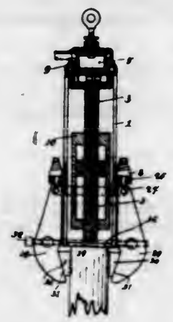
1. In combination with a sled or sleigh and a runner thereof, a shoe, manually controlled means holding said shoe out of ground engaging position, said shoe having a bifurcated portion, said bifurcated portion removably engaged with said runner, and spring means normally urging the shoe into ground engaging position.

2,068,045

PISTON PILE DRIVER

Josef Wohlmeyer, Vienna, Austria

Application May 2, 1934, Serial No. 723,592. In Hungary and Germany August 16, 1933
11 Claims. (Cl. 61—76)



1. Apparatus of the character described comprising a percussion rammer having a tup portion adapted to bear against the object to be rammed, a casing portion, means for connecting the casing portion resiliently to the said object, means for supplying a driving medium to the rammer and means associated with the said portions for interrupting the supply of driving medium to the said rammer automatically on the occurrence of loosening of the said connecting means.

2,068,046

SLUICE PIPE CLEANER

David Yardlay, Coudersport, Pa.

Application April 29, 1935, Serial No. 18,923
1 Claim. (Cl. 294—55)



A sluice pipe cleaner comprising a shovel part substantially trough shaped in cross-section and having its front end rounded, a closure part for the rear end arranged at right angles to the axis of the shovel part and having a substantially centrally arranged hole therein, a handle having an elongated straight part, an intermediate portion of which passes through the hole and is fixed to the rear closure part with its front end curving downwardly and forwardly with its extremity flattened and substantially straight and fixed to the bottom of the shovel part at an intermediate point, said handle, at a point spaced rearwardly of the closed end of the shovel, being bent slightly downwardly to permit the outer part of the handle to slope downwardly from the part which is connected with the shovel.

2,068,047

THIO- AND SELENO-CARBOCYANINES

Walter Zeh, Dessau in Anhalt, Adolf Sieglitz, Frankfort-on-the-Main-Sindlingen, and Martin Dabelow, Frankfort-on-the-Main-Hochst, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application April 24, 1933, Serial No. 667,712. In Germany April 26, 1932
In Germany April 26, 1932
5 Claims. (Cl. 260—44)

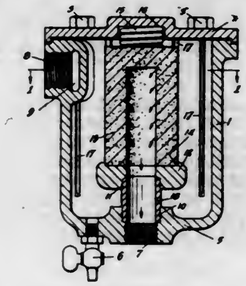
4. A carbocyanine salt having two nuclei selected from the group consisting of benzthiazole nuclei and benzselenazole nuclei linked together in α-position to the nitrogen atom by a trimethenyl chain at least one of the nuclei containing substituents selected from the group consisting of alkyl, alkoxy, thioalkyl aryl of the benzene series, dioxymethylene and dioxyethylene in the positions para to the carbon atoms common to at least one of the benzene rings and the heterocyclic ring fused on that benzene ring.

2,068,048

FILTER

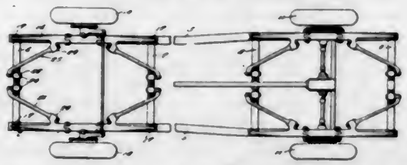
Renard Paul Adams, Buffalo, N. Y.

Application June 28, 1935, Serial No. 28,819
3 Claims. (Cl. 183—44)



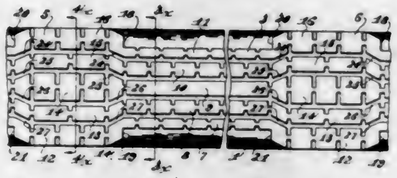
1. A fluid filter of the character described, comprising a substantially cylindrical fluid swirling chamber, a fluid entrance nozzle opening into the upper end of the chamber in a horizontal and substantially tangential direction whereby the fluid entering the chamber from the nozzle has a horizontal flow, a condensate receiving sump formed in the bottom of the chamber, a tube of porous filtering material positioned in the chamber in the vicinity of the axis thereof and having its upper end adjacent to the nozzle and its lower end positioned above the sump portion of the chamber, and a fluid exit extending from the lower end of the bore of the tube to the exterior of the chamber.

2,068,049
VEHICLE SPRING
Dellie Ballew, Detroit, Mich.
Application March 27, 1936, Serial No. 71,225
1 Claim. (Cl. 267—20)



In combination with land vehicle chassis frame including side rails, axles, wheels on the said axles, each of said axles being provided with horizontally extending plates, a forward and a rearward lever for each of the wheels, each of said levers being connected at one of its ends to one end of the corresponding horizontal plate, the remaining ends of the levers being pivotally connected to the side bars of the chassis frame and coiled springs interposed between the side bars of the chassis frame and said horizontal plates, said chassis bars being provided with cross bars, arm members pivotally connected each at one end to one of the levers the remaining ends of said arm members, being provided with an eye member, pivotal connections between the arm members and the eye members, said eye members being provided with smooth shanks journaled into corresponding cross bars.

2,068,050
ANTISKID TIRE
Harry Z. Bishop, Lyons, N. Y.
Application July 6, 1935, Serial No. 30,099
7 Claims. (Cl. 152—14)



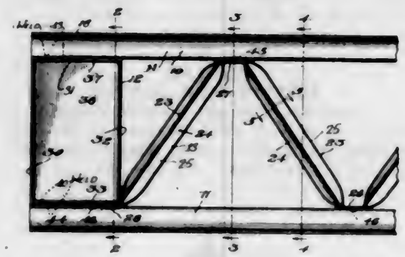
1. A tire having a tread made up of sections of a width less than the horizontal diameter of the tire and sections of a width equal to the horizontal diameter of the tire, each section being made up of parallel ribs with grooves between them, some of the ribs of the extra wide sections being wider than the corresponding ribs in the first named sections of lesser width.

2,068,051
FOOD PRODUCT
Tracy M. Canton and Wilbur B. Tucker, Grand Rapids, Mich., assignors to Nunut Foods, Inc., Plainwell, Mich., a corporation of Michigan
No Drawing. Application June 18, 1936, Serial No. 85,885
4 Claims. (Cl. 99—126)

1. A sterilized canned nut food product, including finely comminuted nut meat and crystallized arrow root starch which binds and controls the nut oils and enables the nut meat to be sterilized in a smooth homogeneous food product.

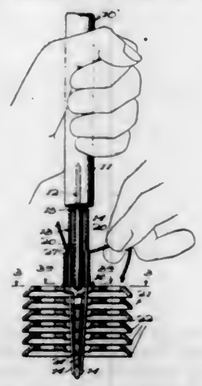
4. A method of making a sterilized canned nut meat product including mixing a quantity of crystallized arrowroot starch and cream with cold water and then raising the temperature of the mixture sufficiently to cause the starch to flow, mixing comminuted nut meat with water and adding the same to the starch mixture and then bringing the temperature of the mass to said starch flowing temperature and agitating the same to cause a thorough mixture of the ingredients, homogenizing the product, canning the product, subjecting the canned product to a sterilizing heat, cooling to normal temperature and agitating the canned product.

2,068,052
JOIST
Edwin D. Coddington, Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y., a corporation of Delaware
Application September 3, 1935, Serial No. 39,028
6 Claims. (Cl. 189—37)



1. A metal and nailable concrete joist comprising spaced apart composition filled chords, and a web therebetween comprising paired opposed arcuate members.

2,068,053
MULTIPLE SPINNING TOP DEVICE
Ernest G. Gehman, Harrisonburg, Va.
Application July 29, 1936, Serial No. 93,301
15 Claims. (Cl. 46—47)



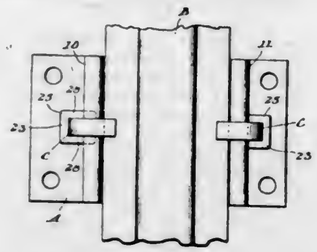
1. A multiple spinning top device comprising, a plurality of tops, each top comprising a body portion having an opening and a hollow spinning element, the opening being arranged radially outwardly of the axis of rotation of the spinning element, the hollow spinning elements of the tops being adapted to interfit, a handle, and a rotary carrier secured to the handle and including a part for insertion through the openings in the tops and serving to spin the tops.

2,068,054
BELT-TYPE FISHING ROD HOLDER
Albert S. Haislip, Fredericksburg, Va.
Application March 28, 1936, Serial No. 71,471
5 Claims. (Cl. 224—5)



1. In a structure of the class described, a belt attachment including a thrust reception and body shield, a pole-accommodation socket having one end in constant movable contact and thrust relation with said shield, and means for slidably and pivotally attaching the socket to said attachment.

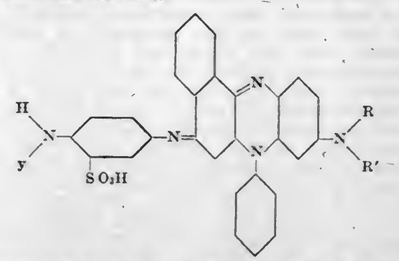
2,068,055
COMBINED RAIL CHAIR AND ANTI-CREEPER
Robert Hill, Oakville, Ontario, Canada, assignor of one-half to William A. Duff, Montreal, Quebec, Canada
Application July 11, 1932, Serial No. 621,933
6 Claims. (Cl. 238—304)



1. In a combined rail chair and anti-creeper and in combination, a tie plate having a transverse shoulder, and an opening through the shoulder extending into the tie plate, at each side of its rail bearing surface, an anti-creeper member in each of the tie plate openings, transversely drivable to grip the edge of the rail, and means inseparably associated with said member and drivable to interlock therewith and with the shoulder to resiliently retain the anti-creeper against relative vertical movement while rigidly gripping the rail.

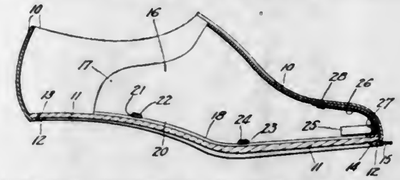
2,068,056
ACID SAFRANINE RYESTUFFS
Eugen Huber and Wolfram Vogt, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 5, 1934, Serial No. 705,457. In Germany January 14, 1933
4 Claims. (Cl. 260—29)

1. Dyestuffs of the safranine series selected from the group of compounds consisting of dyestuffs of the formula



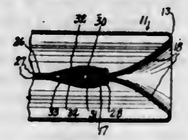
wherein *y* stands for a radical of the benzene, benzyl, cyclohexyl or alkyl series, R and R' stand for a radical of the benzene, benzyl, or alkyl series, and such compounds substituted by a substituent selected from the group consisting of alkyl, alkoxy, halogen, acetylamino, the carboxylic acid group and the sulphonic acid group, said dyestuffs being in the form of their alkali metal salts generally dark, water-soluble powders, dyeing the fibers generally clear blue to greenish blue shades of good fastness properties.

2,068,057
LAST
Alfred G. Legge, Brockton, Mass.
Application October 31, 1935, Serial No. 47,599
2 Claims. (Cl. 12—128)



1. A last substitute adapted to be placed in a partially finished shoe after the lasting operation to prevent change in shape of the shoe upper comprising a hollow fiber form shaped to conform substantially to the interior of the toe part of the shoe upper and having a bottom inturned flange adapted to engage the insole of the shoe, a narrow curved metal strip adapted to engage the interior of the toe tip of the form immediately above said flange, and means carried by said form for resisting displacement of said strip including a longitudinally extending strut connected at one end to said strip and connected at its other end to said form, and a brace extending across the bottom of said form and secured to opposite portions of said flange.

2,068,058
HANDBAG
Charles M. Lewis, New York, N. Y.
Application December 24, 1935, Serial No. 55,955
8 Claims. (Cl. 150—28)



1. A portable receptacle including a one piece blank adapted to be opened up flat, said blank being longitudinally folded along lines spaced

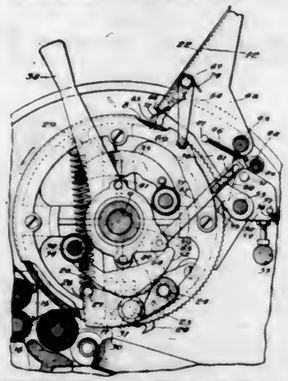
from the edges thereof, the portions between the fold lines and edges constituting gusset sections, said blank being transversely folded to provide side walls for the receptacle, a partition between said side walls, said partition having means secured thereto at opposite ends of the partition, each of said means providing a plurality of wings extending toward the adjacent gusset sections, the upright edge portions of the latter being received between said wings, said wings having means for releasable securement to said edge portions of the gusset sections to thus provide a continuous gusset structure at each end of the receptacle, said edge portions of the gusset sections being otherwise relatively free of each other and the said wings at each end of the receptacle cooperating with each other to constitute a closure that closely overlies said edge portions.

2,068,059

MASTER FEED FOR DUPLICATING MACHINES

Alfred Marchev, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application April 27, 1936, Serial No. 76,645
8 Claims. (Cl. 101—132)



1. In a duplicating machine of the character described, a frame, a drum rotatably journalled therein, said drum having a means thereon to clamp a master sheet thereto, copy sheet feeding rolls adjacent to the drum, means interconnecting the drum and said rollers whereby to cause rotation of the rollers when the drum is rotated, a hand lever, means operable by said hand lever to open said clamping means, a master sheet tray having means thereon to hold a master sheet in position to be fed into the open clamping means and mechanism operable by the clamp opening means to release the master sheet held on said tray when the clamping means is aligned with the master sheet tray in open position.

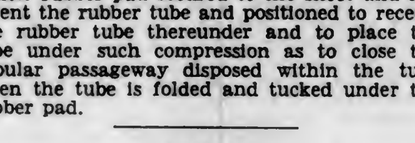
2,068,060

SHANK POCKET FOR SHOES AND METHOD OF USING THE SAME

Blaine E. Matthews, Portsmouth, Ohio, assignor to Williams Manufacturing Company, Portsmouth, Ohio, a corporation of Ohio

Application May 29, 1935, Serial No. 24,091
7 Claims. (Cl. 36—76)

1. In a shoe, the combination of a shoe upper and insole construction having a reinforcing piece attached to the bottom thereof from heel to the rear of the ball portion, said reinforcing piece having a slot therein, and a metal reinforcing shank piece having the central portion thereof in said slot between the insole and outsole and either end extending beyond the slot, one of said ends being retained between the reinforcing piece and the insole and the other of said ends being retained between the insole and the outsole, and said shank being adapted for insertion between the insole and the attached reinforcing piece.



7. The method of attaching a reinforcing shank having a struck up portion in a shoe comprising (*a*) stapling a longitudinally slotted coextensive reinforcing piece to the heel portion of an insole, (*b*) lasting the assembled insole, and (*c*) inserting the shank between the insole and the attached reinforcing piece with the struck up portion in the slot in the reinforcing piece and guiding said shank by the cooperation of said struck up portion and said slot.

2,068,061

PNEUMATIC ANTIVIBRATION BELT

Ray D. May, Vancouver, Wash., assignor of one-third to Vancouver Liberty Investment Co., a corporation of Washington and one-third to Ernest G. Parsons, Vancouver, Wash.

Application January 14, 1936, Serial No. 59,118
2 Claims. (Cl. 2—25)



1. In a device of the class described, the combination of a pair of sheets of elastic material secured together at their peripheral edges to form an air tight compartmented belt, a reinforcing band disposed about the peripheral edge and cemented thereto, one or more restrictions disposed across the belt to form compartments, a communicating passageway communicating the cells to each other, a pad disposed at the opposite ends of the belt like structure, belt straps hingedly secured to the respective end pads, a hollow tube secured to one of the sheets and communicating interiorly of the belt, an elastic rubber pad secured to the sheet and adjacent the rubber tube and positioned to receive the rubber tube thereunder and to place the tube under such compression as to close the tubular passageway disposed within the tube when the tube is folded and tucked under the rubber pad.

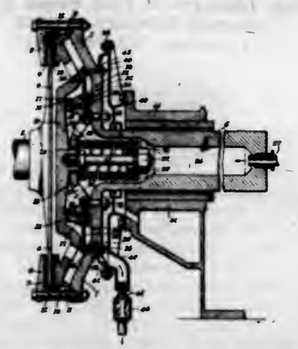
2,068,062

FLUID CLUTCH

John F. Metten, Philadelphia, Pa.

Application October 19, 1934, Serial No. 749,059
4 Claims. (Cl. 192—85)

1. A rotary clutch comprising relatively movable members providing annular friction surfaces of relatively large diameter, a cylinder and piston of relatively small diameter carried by said members, the cylinder opening in a direction away from said annular friction surfaces, means supplying fluid pressure to said cylinder to relatively move said members to clutching position, a spring means held under initial tension tending to move said members to clutch releasing position and having sufficient pressure to overcome the counter pressure developed centrifugally on the fluid in said cylinder as the



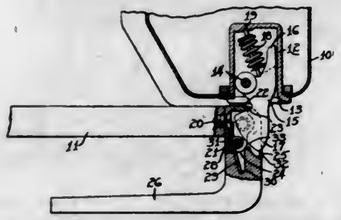
clutch rotates, and diaphragm means between said members adapted to deflect leakage from said cylinder and drain said leakage off out of contact with said annular friction surfaces.

2,068,063

DOOR LATCH MECHANISM

Dorr Miller, Detroit, Mich., assignor to Dura Company, Toledo, Ohio, a corporation of Ohio

Application April 8, 1935, Serial No. 15,280
3 Claims. (Cl. 292—254)



1. A latch mechanism for securing a swinging door to a body comprising a handle pivotally mounted on the door, a keeper on the door having a tapered face and curved latch engaging surface, a stop for said handle, spring means recessed within said keeper to urge the handle toward said stop, a latching member having a portion recessed within the body and another portion extending outwardly therefrom in position to engage said latching surface, spring means urging said latching member toward and into engagement with said latching surface, and abutment means on the handle engageable with an end portion of said latching member for moving the same away therefrom.

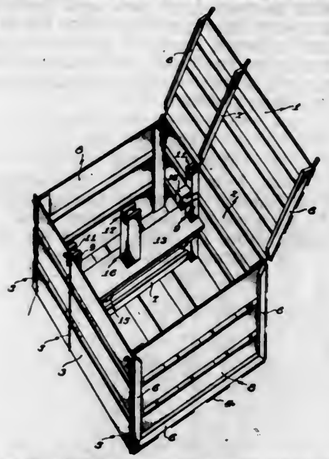
2,068,064

SHIPPING CONTAINER

John R. Miller, Brewton, Ala., assignor to T. R. Miller Mill Company, Brewton, Ala., a corporation of Alabama

Application May 4, 1936, Serial No. 77,699
7 Claims. (Cl. 217—36)

1. The combination with a container having a series of internal cleats extending transversely around its walls intermediate its ends, of blocking arranged to support the contents of said container and comprising an assembled frame spanning the space between the walls of said container, the portions of said frame adjacent the walls of said container having grooves formed to receive and embrace said cleats whereby said



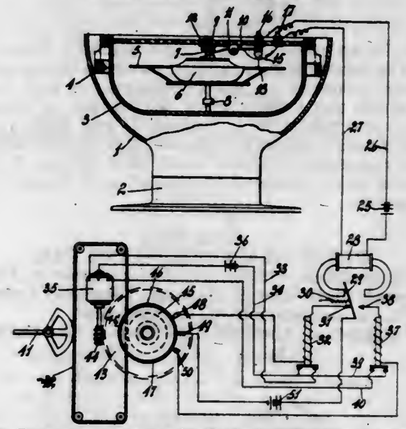
frame will slidably engage said cleats and be securely interlocked against displacement.

2,068,065

COMPASS CONTROLLED CIRCUIT CLOSER

Oscar Neubert, Jr., Long Beach, Calif.

Application May 27, 1933, Serial No. 673,243
5 Claims. (Cl. 200—56)



1. In a compass controlled circuit closer, a compass comprising a bowl, and a rotatable magnetic element in the bowl, a contact arm, means pivotally mounting said contact arm on the bowl, cam means on the rotatable element, one end of said contact arm engaging the cam means, a contact means on said bowl and engageable by the other end of said contact arm.

2,068,066

PROCESS OF COATING PIGMENTS

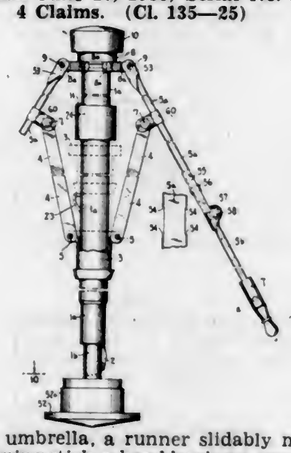
William J. O'Brien, Shaker Heights, Ohio, assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application June 14, 1932, Serial No. 617,248
6 Claims. (Cl. 134—58)

1. The method of producing surface coated pigments which comprises suspending finely di-

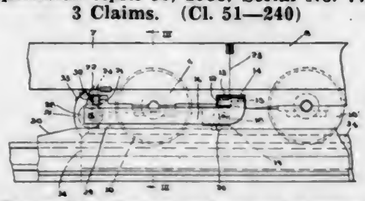
vided pigment selected from the group consisting of zinc oxide, white lead, titanium pigments, blanc fixe, ground barytes, iron reds, and carbon pigments, in water, incorporating from .05 to 1% of a substance selected from the group of aliphatic organic acids and their salts consisting of stearic acid, oleic acid, palmitic acid, lauric acid, and drying the resulting product.

2,068,067
UMBRELLA
Edward Okun, New York, N. Y., assignor to American Folding Umbrella Corporation, New York, N. Y., a corporation of New York
Application June 17, 1935, Serial No. 26,942
4 Claims. (Cl. 135—25)



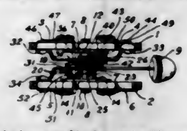
3. In an umbrella, a runner slidably mounted on a telescoping stick, a head having a cup-shaped flange mounted on the handle end of said stick in which the lower end of the runner is located when the umbrella is collapsed, and spring detent means located within said cup-shaped flange and connected to said head, said spring detent means being adapted to engage said runner releaseably.

2,068,068
PLATE GLASS SURFACING CAR
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 30, 1936, Serial No. 77,184
3 Claims. (Cl. 51—240)



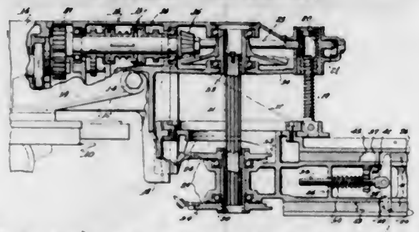
1. In combination with a pair of abutting cars, of means for maintaining the top surfaces of the abutting ends flush, which comprises a downwardly facing contact surface on each car end, a rigid toe projecting from the end of one car and adapted to slide beneath the contact surface of the other car when the cars are brought into abutting relation, a pivoted arm on the other car having a toe adapted to project beneath the contact surface on the first car when the cars are brought into abutting relation, and a spring in operative relation with said arm arranged to force the toe carried thereby upward so that it tends to lift the first car when the car ends abut.

2,068,069
ELECTRIC SWITCH
Johann G. Peterson, West Hartford, Conn.
Application January 10, 1933, Serial No. 651,003
Renewed February 24, 1936
27 Claims. (Cl. 200—70)



1. In an electric switch, stationary and movable contact means, an actuating member, separable indexing means actuated by said actuating member and controlling said movable contact means inhibiting movement thereof until said indexing means are disengaged, including a movable indexing member disposed on the opposite side of said actuating member from said movable contact means, and means operable upon disengagement of said indexing means for actuating said movable contact means with a snap action.

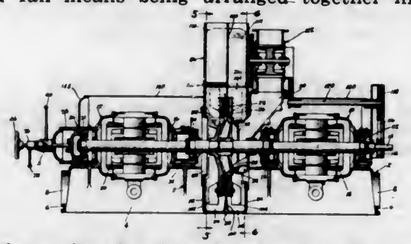
2,068,070
MINING MACHINE
Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 23, 1935, Serial No. 41,737
9 Claims. (Cl. 262—28)



7. In a mining machine of the class described, cutting mechanism therefor including a pair of parallel spaced cutter bars, each of said cutter bars having a channeled guide formed along the outer periphery thereof and having a cutter chain movable thereabout in a closed orbital path, a pair of sprockets for driving said cutter chains about said cutter bars, means for supporting said cutter bars for independent longitudinal slidable movement with respect to said sprockets comprising a support member, and yieldable means interposed between said support member and cutter bars for independently maintaining tension of said cutter chains during the cutting operation and relieving excessive tension of either of said cutter chains comprising a member guided in said support member for yieldable movement with respect thereto, means pivotally connected to said member intermediate its ends and engaging each of said cutter bars, and a compression spring interposed between said member and said support frame.

2,068,071
ATTRITION MILL
Richard G. Quehl, Minneapolis, Minn., assignor to The Strong-Scott Mfg. Co., Minneapolis, Minn., a corporation of Minnesota
Application June 10, 1932, Serial No. 616,484
9 Claims. (Cl. 83—8)

1. An attrition mill including, a pair of grinding plates, a pair of electric motors driving said grinding plates in opposed directions, means for supplying material to be ground to said grinding plates, fan means for pneumatically conveying away the material ground by said plates, and a main casing, said grinding plates, electric motors and fan means being arranged together in a



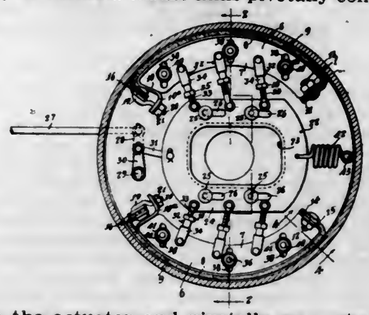
single combined unit enclosed within the main casing, said casing having air inlets for supplying air to said fan means, and the said motors being located in the path of air currents from said inlets to said fan means whereby the incoming air sweeps over said motors to cool the same in the course of its path to the fan means.

2,068,072
FEED REGULATOR FOR DRY MATERIALS
Richard G. Quehl, Minneapolis, Minn., assignor to The Strong-Scott Mfg., Co., Minneapolis, Minn., a corporation of Minnesota
Application September 9, 1932, Serial No. 632,366
10 Claims. (Cl. 83—44)

1. In a regulator for feeding dry, granular, and pulverulent material, a casing having a hopper in its upper portion into which the material to be ground is delivered, said casing having a discharge opening at its lower portion communicating with the mill, a rotor mounted between the hopper and said discharge opening, said rotor comprising a body portion having a plurality of spaced apart slots in its periphery, a plurality of blades mounted in said slots and adapted to be rotated by movement of said rotor, means in opposite walls of said casing for supporting said blades independently of the rotor, and means for vertically adjusting the rotor independently of said blades, whereby the depth of the rotor pockets may be varied to thereby control the feeding of the material from the hopper to the mill.

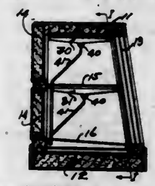
2,068,073
BRAKE
Thomas D. Rader, Pasadena, Calif., assignor, by mesne assignments, of one-half to Richard Macintosh, Los Angeles, Calif.
Application November 13, 1934, Serial No. 752,823
5 Claims. (Cl. 188—78)

1. In a brake, the combination of a relatively fixed frame member, a drum mounted for rotation relative to the frame member, a pair of diametrically oppositely disposed brake shoes on the interior of the said drum, means for guiding the brake shoes on the frame member to move outwardly toward the drum, an actuator, means for guiding the same on the fixed member to slide along a diametrical line of the drum located between the said brake shoes, means connected with the actuator for moving the same forward to press the brake shoes outwardly, and a plurality of inclined thrust links pivotally connected



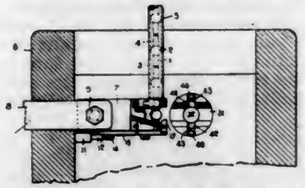
with the actuator and pivotally connected with the shoes with the longitudinal axes of the links inclined with respect to the direction of sliding movement of the actuator, said guiding means constructed so as to permit lateral play of the actuator so that the thrust imparted from each brake shoe through its inclined thrust links, will be imparted through the actuator to the inclined links on the opposite side of the actuator, thereby balancing and equalizing the pressure of the shoes against the drum.

2,068,074
REFRIGERATOR
Fay T. Rodgers, Memphis, Tenn.
Application December 20, 1934, Serial No. 758,450
1 Claim. (Cl. 62—89.5)



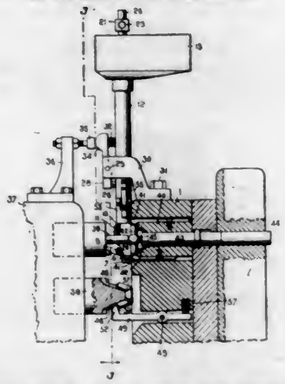
A refrigerator including an elongated casing having an article supporting shelf therein, and cooling means in said casing spaced above said shelf, said casing having a glass front extending from the under surface of the top of said casing substantially to the level of said shelf; said means comprising a flat coil of pipe, means for circulating a cooling medium through said coil; an elongated flat housing enclosing said coil, said housing being substantially horizontally disposed, having smooth exterior surfaces and an undersurface sloping to a longitudinally disposed drainage line, a heat transference medium in said housing surrounding said coil; and a drain disposed along and below the drainage line of said housing, said housing lying adjacent said casing top but being unobstructedly spaced from the contiguous surface to permit access for cleaning, the front portion of said housing closely embracing the coil therein whereby to minimize the thickness of said front portion, and said drain being spaced rearwardly from said front, whereby to present a minimum obstruction of vision to articles on said shelf.

2,068,075
APPARATUS FOR NUT MAKING
Heyman Rosenberg, New York, N. Y.
Application May 19, 1932, Serial No. 612,327
24 Claims. (Cl. 10—166)



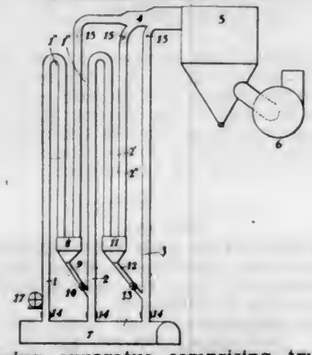
1. In wing-nut forming mechanism, the combination, with wing-nut forming dies for forming wing-nuts from blanks each of which blanks has a bulbous intermediate portion and lateral projections extending therefrom, and means for sustaining and relatively moving the dies for producing wing-nuts, of means for receiving, transporting, and delivering such wing-nut blanks to said dies in timed relation to the movements of the dies and with each of the blanks supported in that cooperating registering alinement of its several parts with respect to the dies enabling direct action of the dies thereon as the blank is delivered, said last-named means comprising a reciprocating carrier and a resilient releasable clamp for gripping a lateral projection of a blank.

2,068,076
APPARATUS FOR MAKING WING-NUTS
Heyman Rosenberg, New York, N. Y.
Application August 12, 1932, Serial No. 628,569
10 Claims. (Cl. 10—72)



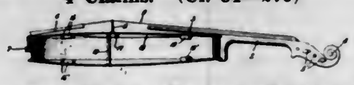
1. In apparatus of the class described, the combination, with wing-nut stamping means and a reciprocating carrier for bodily carrying wing-nut blanks for delivering blanks to the stamping means, the carrier having a main plate and a resiliently movable jaw spaced with respect to the plate sufficiently for accommodating an arm of the blank between the jaw and plate, the carrier having a support for the blank located to be engaged by the lower end of said arm when disposed between the jaw and plate for sustaining the blank in an upright position with the bulbous enlargement out of the line of the jaw, whereby a wing-nut blank of the type stated is adapted to be received, carried, and released by said carrier with the blank in an upright position, of a tube for delivering blanks to the carrier, the tube being located with its discharge end contiguous to the carrier for discharging wing-nut blanks to the carrier in an upright position and the tube having a lateral opening at its lower end portion for the lateral passage of a portion of a wing-nut blank extending from the carrier during a feeding stroke thereof for enabling the blank to move laterally out of the tube while in an upright position and while the upper portion of the blank is not below the lower end of the tube.

2,068,077
PNEUMATIC DRYING DEVICE
Paul Rosin and Erich Rammler, Dresden, Germany; said Rammler assignor to said Rosin
Application August 11, 1933, Serial No. 684,642
In Germany August 27, 1932
3 Claims. (Cl. 34—34)



1. Drying apparatus comprising two drying conduits; means for causing a current of drying gases through each of said conduits; means for introducing comminuted material into one of said conduits at the beginning of the effective current therein; separating means at the discharge end of said one conduit arranged to separate out and remove from further drying influence the smaller particles which have reached a predetermined degree of dryness; and means for collecting and delivering the larger separated wetter particles to the other conduit.

2,068,078
MUSICAL STRINGED INSTRUMENT
Charles T. Samuelson, Beaumont, Tex.
Application December 15, 1934, Serial No. 757,662
4 Claims. (Cl. 84—276)

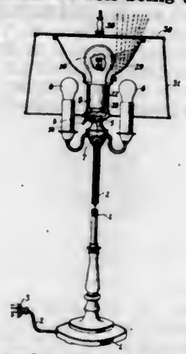


1. In a sound box of a musical instrument of the viol type, the combination comprising a belly member, a back member and an interconnecting side wall, said belly having two opposing generally arcuate shoulders at each end thereof and a waist portion of reduced width intermediate the said ends, a plurality of groups of weighted elements carried by and rigidly secured to said belly, the outermost elements of each of such groups being disposed substantially at the center from which the arc of the nearest adjacent arcuate shoulder of such belly is described.

2,068,079
LAMP
Frederick Schwartz, Brooklyn, N. Y., assignor to Artistic Lamp Manufacturing Company, Inc.
Application November 30, 1935, Serial No. 52,297
7 Claims. (Cl. 240—81)

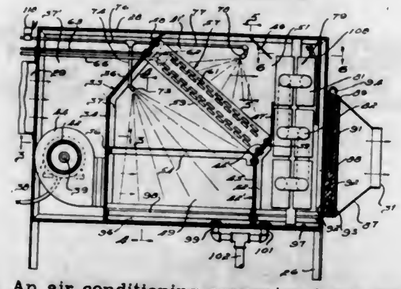
1. In a portable lamp, having a switch and socket for a multi-filament bulb and a single

circuit plug-in cord or source of electric current to said switch, said switch being constructed and



arranged to complete the single circuit to each of the filaments of said multi-filament bulb or to all of said filaments.

2,068,080
AIR CONDITIONING APPARATUS
George L. Schuyler, Grosse Pointe Park, Mich., assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 12, 1932, Serial No. 604,749
Renewed May 2, 1935
8 Claims. (Cl. 257—8)

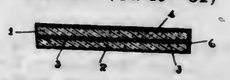


1. An air conditioning apparatus for buildings comprising a casing having a cooling unit arranged therein, means for circulating air throughout said casing and across said cooling unit, means comprising a refrigerating system for operating said cooling unit under predetermined temperature conditions, and means responsive to the humidity changes in the air for spraying water upon said cooling unit, the last mentioned means being controllable whereby to permit its use only when said refrigerating system is inoperative.

2,068,081
ART OF COLORING FRUIT
Jagan N. Sharma, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
No Drawing. Application January 4, 1935, Serial No. 363
3 Claims. (Cl. 99—103)

1. In a process of enhancing the varietal color of fruit provided with water-repellent surfaces, the step of bringing whole fruit in contact with an organic dye containing a diazotized ring component and a poly-ring component coupled therewith, said poly-ring component carrying a free hydroxyl radical whereby the dye is rendered soluble in aqueous alkali solutions; said dye being oil-soluble and substantially water-insoluble and exhibiting a color suitable for enhancing the varietal color of fruit when in solution in said aqueous alkali.

2,068,082
LAMINATED GLASS AND PROCESS OF MAKING THE SAME
James H. Sherts, Tarentum, Pa., assignor to Duplate Corporation, a corporation of Delaware
Application June 8, 1935, Serial No. 25,659
2 Claims. (Cl. 49—81)



2. A process of attaching a transparent reinforcing sheet of non-shatter material to a plate of laminated glass made up of a pair of glass sheets with a sheet of reinforcing material therebetween which consists in placing said transparent sheet of the same shape as the glass sheets but of greater size upon one of the glass sheets with one of the opposing surfaces of the glass and transparent sheets adapted to give adhesion on the application of heat and pressure, placing a sheet of thin polished metal of the same size as the glass sheets upon the transparent sheet, applying a flexible diaphragm over the sandwich thus formed, heating the sandwich sufficient to soften the transparent sheet, and applying fluid pressure behind the diaphragm so as to cause the attachment of the transparent sheet to the glass sheet on which it rests and to bend the edges of the transparent sheet at right angles over the side edges of the glass sheet.

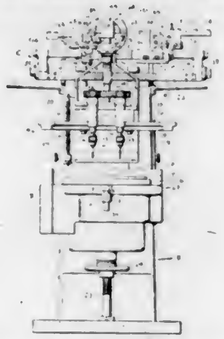
2,068,083
UNDERHOOD RECORD HOLDER
Eugene H. Souter, Independence, Mo.
Application May 11, 1936, Serial No. 79,073
7 Claims. (Cl. 40—16)



5. A record holder of the kind described comprising a frame having an open side; a wall closing the other side of the frame, said wall having an offset margin and a laterally disposed shoulder extending around the edge thereof; a sheet of transparent material extending across the frame, bearing upon the offset margin of said wall and held in spaced parallel relation to the remaining portion of said wall by the said laterally disposed shoulder, a length of said shoulder along one edge of said wall being provided with a slot co-operating with the spaced-apart wall and sheet of transparent material in forming an open top pocket for the reception

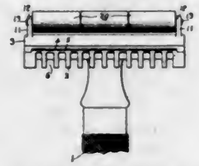
of a record card; a wall forming a part of said frame, extending laterally from the other edge of said offset margin in a plane parallel with the planes of said first mentioned laterally disposed shoulder, said wall bearing against the edges of said sheet of transparent material to preclude edgewise displacement; a flange formed around the outer edge of said wall extending to each side thereof in a plane parallel with the said transparent sheet; and an inwardly inclined marginal edge formed on the said flange engaging the said sheet of transparent material along a line spaced inwardly from the edges thereof substantially opposite the innermost edge of the offset margin of the said wall.

2,068,084
DRILLING AND TAPPING MACHINE
Eric J. Stahlhammer, Bridgeport, Conn., assignor to The Bodine Corporation, Bridgeport, Conn., a corporation of Connecticut
Application November 29, 1933, Serial No. 700,241
22 Claims. (Cl. 10—136)



1. In a drilling and tapping machine, the combination of a work-holder; a tool-holder; a tool driving shaft; a pinion on said shaft; a carriage mounted to reciprocate in a plane intersecting the axis of said shaft; a rack on said carriage engaging and driving said pinion; reversible power means connected to said carriage to reciprocate the same; and means, including means traveling with said carriage, for automatically reversing the action of the power means at the ends of travel of the carriage.

2,068,085
SAFETY RAZOR
Nathan M. Stanley, Dayton, Ohio
Application February 27, 1935, Serial No. 8,523
4 Claims. (Cl. 30—34)



1. In a safety razor, a double-edge blade, a guard, a cover plate, a handle, and an anti-friction member adjustably mounted on said cover plate approximately in line with said handle for adjustment sidewise of said blade, said anti-friction member consisting of a plurality of freely rotatable coaxial cylindrical rollers.

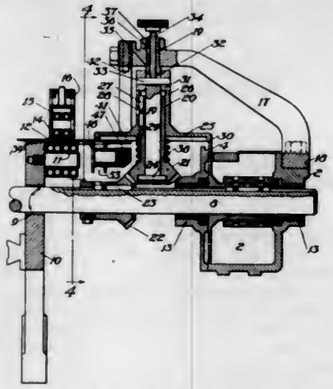
2,068,086
METHOD AND MEANS FOR FORMING METALLIC BELLOWS
Edgar C. Stanley, Glen Cove, N. Y., assignor to Webster Engineering Company, Inc., New York, N. Y., a corporation of New York
Application July 30, 1932, Serial No. 626,323
17 Claims. (Cl. 153—73)



1. In a device for forming circumferentially-closed corrugations in a tube, inner and outer die members for cooperating with said tube, one of said die members being so formed as to engage said tube along an elongated circumferential arc thereof, and means for rotating said tube, one of said die members being non-rotatable and said other die member being rotatable.

15. The method of making a bellows which includes frictionally rotating a thin-walled tube between inner and outer die members while positively driving one of said die members to rotate said tube and displacing a portion of said tube radially by simultaneous elongated arcuate contact with the other of said die members to form circumferentially-closed corrugations.

2,068,087
ADHESIVE APPLYING MECHANISM FOR PAPER PACKAGE MAKING MACHINES
Edwin G. Staude, Minneapolis, Minn.
Application October 28, 1933, Serial No. 695,615
15 Claims. (Cl. 91—50)



15. An adhesive applying mechanism, including means for feeding material to which adhesive is to be applied on the upper side, comprising a driven adhesive pick-up first member operating on a horizontal axis, a second driven transfer member operating on a vertical axis, the under outer edge of said second member having adhesive transfer contact with said first member to transfer said adhesive to the upper side of said material, means for guiding said material under the edge of said second member, and means for holding said material against said second member to cause a wiping action of said second member on the upper surface of said material.

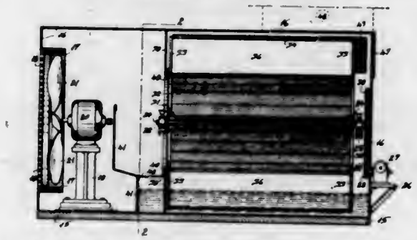
2,068,088
CASTOR OIL PRODUCT
Karl T. Steik, Upper Montclair, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application August 27, 1934, Serial No. 741,739
3 Claims. (Cl. 87—9)

3. The product producible by heating a mixture of castor oil and naphthenic acids at a temperature of approximately 270° C., which product is soluble in mineral oil and is a neutral mutual solvent for castor oil and mineral oil.

2,068,089
EMULSIFIABLE SOLUTIONS OF SULPHUR DIOXIDE
Karl T. Steik, Upper Montclair, and Julius F. Muller, New Brunswick, N. J., assignors to National Oil Products Company, Harrison, N. J.
No Drawing. Application August 27, 1934, Serial No. 741,740
3 Claims. (Cl. 167—14)

3. An emulsifiable solution of dry mahogany mineral oil soaps and an oil selected from the group consisting of paraffin oil and castor oil containing sulphur dioxide.

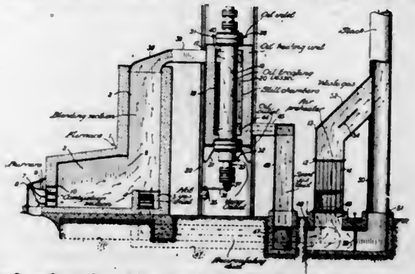
2,068,090
AIR CONDITIONING APPARATUS
Charles A. Stilphen, Denver, Colo.
Application February 20, 1934. Serial No. 712,098
5 Claims. (Cl. 261—92)



1. Air-conditioning apparatus comprising, in operative combination, a housing defining a chamber, an apertured partition transversely of said chamber, air inlet and air exhaust means communicating through said housing with said chamber on opposite sides of said partition, a rotatable, fabric-covered reel in said chamber on the inlet side of said partition and cooperating with the aperture of said partition in such manner as to require air from said inlet passing through said partition aperture to first traverse said reel, means for rotating said reel, means operable through rotation of said reel to automatically supply cooling liquid to said fabric reel cover, fan means adjacent said air exhaust means operable to circulate air from said inlet through said reel, partition aperture and outwardly of said housing through said exhaust means and a baffle transversely of said housing between said partition and fan means operable to intercept and return excess liquid carried by said air from said reel.

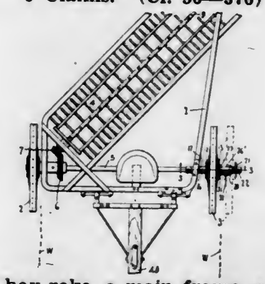
2,068,091
METHOD OF RECIRCULATING FLUE GASES
Hubert R. Stoltz, Kansas City, Mo., assignor to The Fractionator Company, Kansas City, Mo., a corporation of Missouri
Application January 8, 1934, Serial No. 705,730
4 Claims. (Cl. 196—71)

3. The method of heat treating hydrocarbon oil including rotating the oil within a cylindrical vessel with sufficient velocity for the centrifugal forces generated by its rotation to cause the oil to pass over the inner surface of the vessel in progressive advancement in the form of a continuous film, moving hot gases in separate streams tangentially of opposite sides of the



vessel whereby the velocity of one stream is absorbed by the other and the combined gases move uniformly in the same direction as the advancement of the film, collecting a portion of the gases, and recirculating the collected gases in the same direction.

2,068,092
HAY RAKE
Adolph J. Synck, Coldwater, Ohio, assignor to New Idea, Inc., Coldwater, Ohio, a corporation of Ohio
Application November 25, 1935, Serial No. 51,408
9 Claims. (Cl. 56—376)

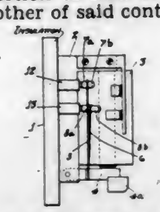


1. In a hay rake, a main frame, an axle carried thereby and extended laterally of said frame, a pair of carrying wheels on said axle, means for retaining one of said wheels on said axle extension at different distances laterally with respect to said frame, means stationary laterally on the axle extension for contacting and rotating said axle by rotating said wheel in these positions, a tongue slidably connected to said frame for lateral movement, and means for holding said tongue in different positions laterally with respect to said frame.

2,068,093
CONTACT ARM FOR CIRCUIT CONTROLLING DEVICES
Tellef Terjesen, Hoboken, N. J., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application January 25, 1934, Serial No. 708,263
4 Claims. (Cl. 200—166)

1. In a device of the class described, the combination with spaced stationary contacts, of a movable contact arm having integrally formed and independently flexible portions lying in the same plane at different distances from said stationary contacts when disengaged therefrom

and means for moving said arm in one direction to cause the free end thereof to engage one of said stationary contacts accompanied by flexure of an intermediate portion of said arm upon engagement with the other of said contacts, to establish

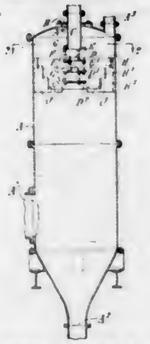


a circuit between said contacts, while movement of said contact arm in the other direction results in disengagement of its free end from one of said contacts with engagement still maintained between the other of said stationary contacts and the deflected portion of said arm.

2,068,094
LIQUID DIFFUSION APPARATUS

Alfred L. Webre, Merion, Pa., assignor to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey

Application February 26, 1936, Serial No. 65,784
1 Claim. (Cl. 299—121)



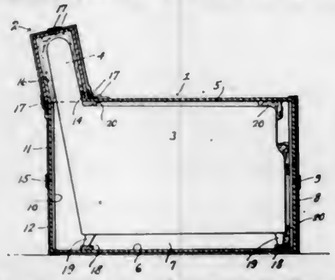
Liquid diffusion apparatus comprising a nozzle adapted to project a vertical column of liquid, a plurality of approximately horizontally located deflecting plates arranged in the path of the liquid column delivered by the nozzle and spaced from the nozzle and from each other, said plates being formed with aligned orifices lying in the path of the liquid column, the orifice in the plate adjacent to the nozzle being of smaller cross-section than that of the liquid column and the orifices in the succeeding plates being of progressively smaller cross-section so that in each case a portion of the liquid column will contact with the plate and be laterally directed thereby while a portion of the liquid column will pass through the orifice in the plate and be similarly acted upon by the succeeding plate, and a plurality of ring baffles located to intercept the radial jets of water delivered by individual deflecting plates and directing the water downward in an approximately annular curtain, said ring baffles being of progressively smaller diameter from above downward.

2,068,095
FURNITURE PACKING CARTON AND METHOD OF MAKING THE SAME

Darwin Weltzien, Elgin, Ill.

Application January 28, 1936, Serial No. 61,239
1 Claim. (Cl. 93—6)

A method of packing furniture of the type including a back, comprising taking a box embodying upper and lower flaps on one end, cutting the top of the box along the sides thereof inwardly for a distance from said one end, then severing and removing a portion of said top, including the upper flap, at a point adjacent said cuts in a manner to provide an opening extending the cuts inwardly of the opening to form a flap adjacent the opening, then securing the severed portion to the free end of the lower

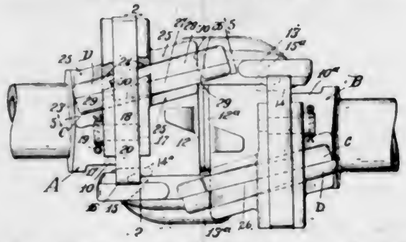


flap, then inserting the furniture in the box from said one end thereof with the back of said furniture projecting through the opening, then folding the lower flap, with the upper flap and the severed portion of the top thereon, upwardly to close the box at said one end, and then mounting an inverted box over the back in a manner to enclose said back, and the third-named flap and the severed top portion and securing said inverted box to the first-named box.

2,068,096
HOSE COUPLER LOCK

Walter W. Wilson, Oak Park, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application April 13, 1936, Serial No. 74,129
16 Claims. (Cl. 285—68)



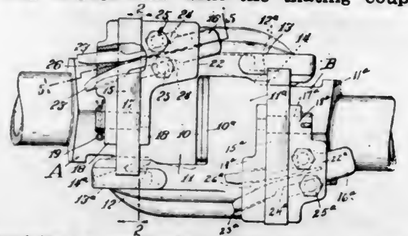
1. In combination, a hose coupler, comprising a head formed for interlocking engagement with a mating coupler, a locking lever pivotally supported on the head and movable in the direction of its length transversely of the head into a position overlying a portion of said mating coupler, and means for tilting the lever to force one end thereof into holding engagement with said mating coupler.

2,068,097
LOCK FOR HOSE COUPLERS

Edward A. Russell, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application April 13, 1936, Serial No. 74,133
8 Claims. (Cl. 285—68)

1. In combination, a hose coupler comprising a head formed for interlocking engagement with a mating coupler, a locking lever pivotally supported on a horizontal axis on the head and movable lengthwise to project over a portion of said mating coupler, and means for tilting the lever to force one end thereof downwardly into holding engagement with the mating coupler,

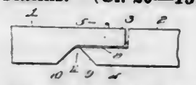


comprising a vertically rigid one-piece wedge adapted to be driven between the other end of the lever and the head and having resilient end portions adapted to press laterally against portions of the head to hold the wedge in position.

2,068,098
FASTENING PANELS THAT SHRINK

Armin Elmendorf, Winnetka, Ill.

Application February 24, 1936, Serial No. 65,366
17 Claims. (Cl. 20—15)

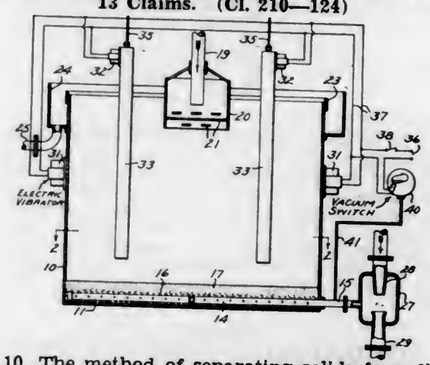


1. In combination, a support and a member engaged with the same, fastenings securing said member to the support, a second member overlapping the first member, and a layer of bonding material between and joining the overlapping portions of said members together, said bonding material being sufficiently elastic to provide therein sufficient shear displacement and stretching to permit a considerable relative movement between said members parallel to the plane of the joint.

2,068,099
SEPARATION OF LIQUIDS AND SOLIDS

Melvin D. Engle, Winchester, Mass.

Application May 15, 1935, Serial No. 21,614
13 Claims. (Cl. 210—124)

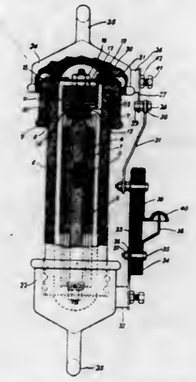


10. The method of separating solids from liquids mixed therewith comprising the steps of filtering the mixture, subjecting the mixture to a differential pressure to render the filtering more effective, vibrating the mixture to compact the same whenever the differential pressure falls below a predetermined minimum value, and stopping the vibration whenever the differential pressure exceeds a predetermined maximum value.

2,068,100
CONDENSER

James L. Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 20, 1935, Serial No. 32,317
11 Claims. (Cl. 250—16)

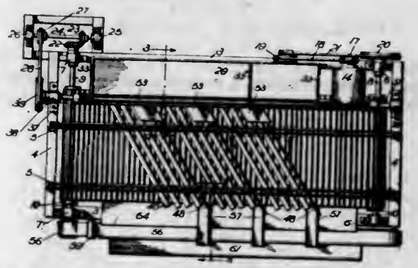


1. A sleet-melting roll condenser comprising an insulating casing, metallic end members having securing means for supporting said condenser, an inductance located at one end of said casing and electrically connected in series with said condenser.

2,068,101
MACHINE FOR CLEANING SEEDS

Robert R. Freund, Denver, Colo.

Application January 28, 1935, Serial No. 3,797
5 Claims. (Cl. 209—114)



1. A machine of the character described, comprising in combination with a travelling carrier belt, a group of spaced, substantially parallel wipers extending transversely thereof in a direction oblique to the direction of movement of the belt, a scraper bar associated with the group of wipers, a source of leguminous seeds, means for feeding the seeds from said source onto the carrier, along one edge thereof and means for shielding the space between the last wiper and the adjacent scraper bar from the feed.

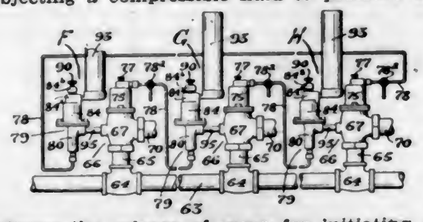
2,068,102
FLUID CONTROL SYSTEM

Ernest Lamar Gaines, Seattle, Wash.

Application November 7, 1933, Serial No. 697,000
31 Claims. (Cl. 137—78)

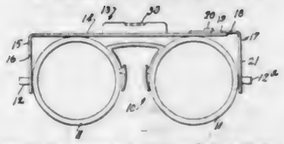
1. In a fluid control system, the combination of fluid pressure supply means, a plurality of control units connected to said supply means and operable in sequence by the fluid pressure

therein, said control units embodying means for subjecting a compressible fluid to pressure and



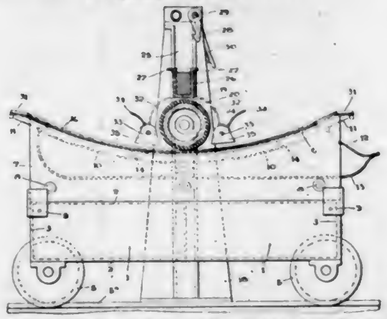
utilizing the release of same for initiating sequential actuation of said control units.

2,068,103
SPECTACLE LEVEL
Moses H. Harris, New York, N. Y.
Application January 15, 1936, Serial No. 59,209
5 Claims. (Cl. 33—207)



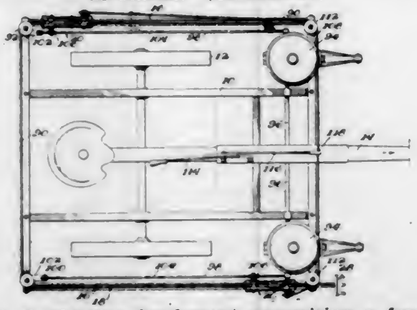
1. A level for use in combination with spectacles, comprising a base, a spirit tube carried thereby, a forked arm at one end of the said base for engaging one end of the spectacle frame, a second forked arm slidably and adjustably mounted at the opposite end of the base for engaging the opposite end of the spectacle frame, and means for securing the said second forked arm to the base in adjusted position.

2,068,104
APPARATUS FOR MAKING CURVED SAFETY GLASS
Elmer H. Haux, Tarentum, Pa., assignor to Duplate Corporation, a corporation of Delaware
Application February 23, 1935, Serial No. 7,892
9 Claims. (Cl. 18—17)



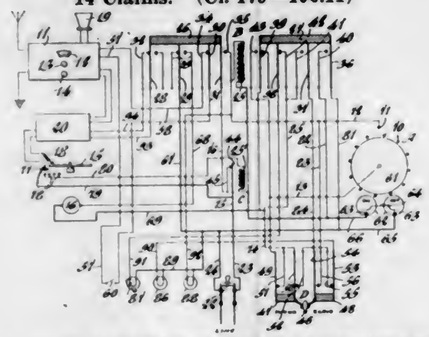
1. In apparatus for making safety glass made up of curved sheets of glass and an interposed sheet of reinforcing material, a table and a presser roll thereover mounted so that one of such parts is movable horizontally, said roll having a guided movement vertically and the top of the table which receives the sheets and which is of metal being curved to correspond to the curvature of the glass sheets, means beneath the table top for heating it and the assembled sheets carried thereby, and means for pressing the roll downward upon the sheets carried upon the table.

2,068,105
PLANTING IMPLEMENT
Frederick H. Holwick, near West Union, Ill.
Application June 2, 1934, Serial No. 728,761
18 Claims. (Cl. 111—27)



1. A planting implement comprising a frame, a carriage, means mounting said carriage on the frame for movement longitudinally thereof, means on said carriage for engaging the ground and means including a releasable latch engageable with said ground engaging means and operable by movement of said carriage longitudinally of the frame for disengaging said ground engaging means from the ground.

2,068,106
SOUND EMITTING APPARATUS
Milton V. Horn, Earnest H. Roy, and Herman I. Lovett, Buffalo, N. Y.
Application May 13, 1933, Serial No. 670,932
Renewed June 19, 1936
14 Claims. (Cl. 179—100.11)

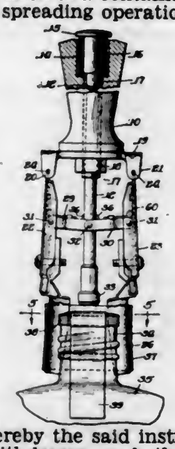


1. In an apparatus of the character described, the combination of a radio receiving unit, an auxiliary sound-reproducing unit, a time-control mechanism for governing the playing interval between said units, respectively, and means controlled by said sound-reproducing unit in correlation with said time-control mechanism for controlling the duration of operation of such unit.

2,068,107
APPARATUS FOR APPLYING BANDS ON CONTAINERS
Hallward F. Nygard, Madison, Wis., assignor to The Celon Company, Madison, Wis., a corporation of Wisconsin
Application April 2, 1934, Serial No. 718,597
13 Claims. (Cl. 226—80)

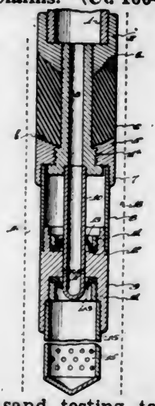
1. In a device of the class described comprising an instrumentality to support a band about an outer surface thereof, means for spreading

the band to provide an opening within the band to receive the neck of a container, and means for releasing the spreading operation of said instru-



mentality whereby the said instrumentality may be readily withdrawn and the band will be positioned about the neck of the bottle.

2,068,108
SAND TESTING TOOL
Turner A. Owen, Olney, Tex.
Application May 27, 1935, Serial No. 23,606
5 Claims. (Cl. 166—1)



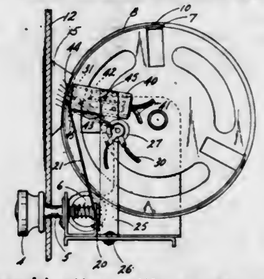
1. In a well sand testing tool arranged for suspension on a drill stem, a tubular mandrel in fixed relation with said drill stem and having a threaded shoulder on its lower end, a valve stem carried by said mandrel having ports in its lower end, a ring having interior threads to engage the threads of said mandrel shoulder and having a sleeve depending therefrom in concentric relationship with said valve stem, a valve stem guide carried by said sleeve through which said valve stem is slidably movable, a perforated tubular member suspended from said guide, sealing means carried by said guide and wipingly engaging said valve stem when the latter is vertically displaced, said sealing means being arranged above and below the ports in said valve stem when the latter is in retracted position, packing means surrounding said mandrel and expanded by the weight of said drill stem when the latter is rotated to disengage the threads of said shoulder from those of said ring to effect movement of said valve stem to open position below said guide.

2,068,109
THUMB GUARD
Harold S. Paul, Wyoming, Ohio; Paul C. Rodgers administrator of said Harold S. Paul, deceased
Application October 27, 1930, Serial No. 491,381
2 Claims. (Cl. 128—133)



1. A thumb-sucking prevention guard comprising a pair of wires twisted together at the medial portions to form the top of the guard, one pair of the end portions of the wires bent into an open loop adapted to lie adjacent the front of the thumb, the other pair of wires bent so as to form a splint adapted to lie upon the back of the thumb, opposed wires of each pair then bent inwardly and twisted into a circular formation adapted to enclose the thumb, and the extreme ends of the wires bent into eyelets to lie along the sides of the thumb and to receive a binding tape.

2,068,110
TUNING DIAL
Ernest R. Pfaff, Chicago, Ill., assignor to E. H. Scott
Application December 30, 1932, Serial No. 649,476
16 Claims. (Cl. 250—40)

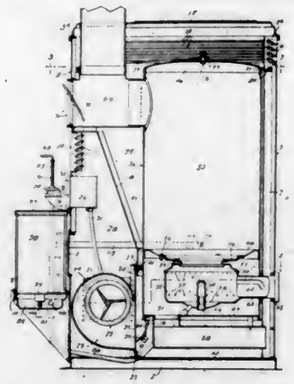


16. In combination with a radio receiver, an indicator therefor comprising a manually operated tuning dial having station indicating calibrations thereon, a light source, means operable by a signal in the receiver interposed between the light source and the dial to indicate resonance of the receiver on the dial.

2,068,111
FORCED AIR HEATER
Marc Resek and Theodore B. Focke, Cleveland Heights, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application January 3, 1935, Serial No. 267
5 Claims. (Cl. 126—110)

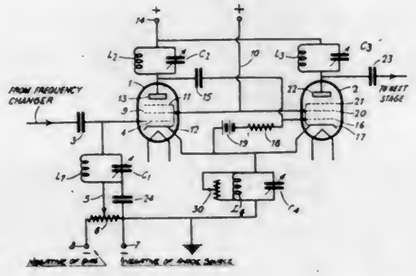
1. A room heater comprising a rectangular casing having outlet openings adjacent its top that open directly into the surrounding atmosphere, a partition dividing the interior of the casing into an air inlet duct and a hot air compartment, the partition having an opening adjacent the bottom of the casing through which the duct and compartment communicate, the casing having air inlets that open into the duct from the surrounding atmosphere, a combustion apparatus situated entirely within the hot air

compartment having its sole inlet for combustion air opening into said compartment at a point



remote, and shielded, from the opening in the partition, and means for creating a forced draft of air inwardly through the duct.

2,068,112
AMPLIFICATION AND SELECTIVITY CONTROL CIRCUIT
Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1935, Serial No. 36,964
In Great Britain August 15, 1934
1 Claim. (Cl. 179—171)

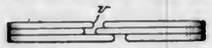


A carrier frequency thermionic valve circuit arrangement of the reaction type comprising a first valve having a carrier frequency tuned circuit in its control or input grid circuit and a carrier frequency tuned circuit in its anode circuit, a second valve having its control or input grid coupled to the anode of said first valve and a carrier frequency tuned circuit connected between its anode and a source of anode potential therefor, said second valve having an inserted impedance connected in series between its cathode and the negative terminal of the source of anode potential therefor, said negative terminal also constituting a point upon the grid circuit of the first valve whereby voltage set up across said inserted impedance is fed back to the control or input grid of the first valve, means for adjusting the control or input grid bias of said first valve, said inserted impedance being a tuned circuit substantially identical with the other three tuned circuits.

2,068,113
RESISTANCE ELEMENT
Newton C. Schellenger and Willis E. Haselwood, Elkhart, Ind., assignors to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
No Drawing. Application November 26, 1934, Serial No. 754,845
2 Claims. (Cl. 201—75)

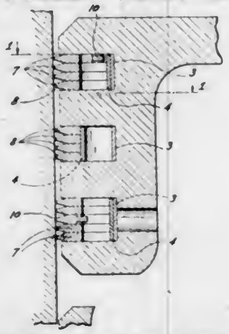
1. A conductive paint for high resistance elements consisting of powdered carbon, a phenol-furfural resin, and an organic solvent.

2,068,114
PISTON RING
Dean M. Solenberger, Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc., a corporation of Ohio
Application January 29, 1934, Serial No. 708,916
6 Claims. (Cl. 309—29)



1. A piston ring comprising a series of split thin ring sections or laminae, the sides of the ends of said laminae on opposite sides of the split being beveled to avoid interlocking with the ends of adjacent laminae.

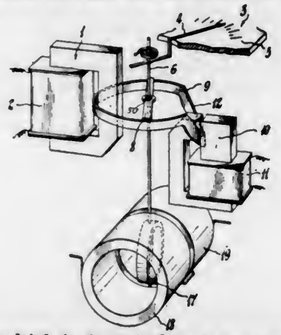
2,068,115
PISTON SEALING DEVICE
Dean M. Solenberger, Cleveland, Ohio, assignor to Simplex Products Corporation, a corporation of Ohio
Application December 28, 1935, Serial No. 56,570
10 Claims. (Cl. 309—29)



1. A composite packing for a piston comprising a series of superposed ring sections of ductile metal, each section having an axial thickness not in excess of approximately $\frac{1}{32}$ inch and having substantially no inherent wall pressure producing characteristics, and an expander contacting said ring sections and tending to distort said ring sections to conform said ring sections to the surface of a cylinder.

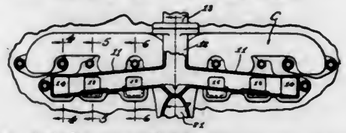
2,068,116
APPARATUS FOR TRANSMITTING MOVEMENTS TO A DISTANCE
George Frederick Shotter, Friern Barnet, London, England
Application July 26, 1933, Serial No. 682,183
In Great Britain August 5, 1932
9 Claims. (Cl. 177—351)

1. A device for producing an alternating magnetic flux of such value as to correspond with the position taken up by a movable member comprising a magnetic circuit, a second magnetic circuit, said circuits being disposed in non-inductive relationship with respect to each other, means for exciting said first magnetic circuit with alternating magnetic flux of constant magnitude, a closed circuited conducting member embracing both magnetic circuits and providing the sole inductive link between said two magnetic circuits to cause a flow of current to be induced by said first magnetic circuit in said closed-circuited conducting



member which in turn induces a magnetic flux in said second magnetic circuit, and means supporting and mechanically connecting said conducting member and said movable member together for joint movement, said conducting member being of asymmetrical configuration whereby movement of said conducting member in accordance with the movement of the movable member will cause the amount of flux produced by the said first magnetic circuit in the second magnetic circuit to vary.

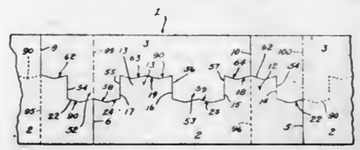
2,068,117
ENGINE
Harold H. Timian, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application February 27, 1933, Serial No. 658,691
11 Claims. (Cl. 123—52)



1. An intake manifold structure constructed for detachable assembly with a multi-cylinder engine and including a primary fuel mixture conducting portion, a lateral runner communicating therewith, said lateral runner sloping generally downwardly and terminating in a port runner communicating with an end cylinder of the engine and having a floor extending substantially flush with the adjacent floor of the lateral runner, said lateral runner having one or more intermediate openings, and one or more intermediate port runners extending toward the engine from said lateral runner and communicating with said opening or openings, said intermediate port runner or runners having a floor extending substantially horizontal and at a level substantially below the adjacent floor of the lateral runner.

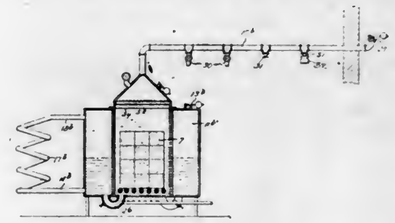
2,068,118
COVERING MATERIAL
John A. Topping, Bronxville, N. Y.
Application December 8, 1933, Serial No. 701,477
10 Claims. (Cl. 108—7)

1. A pair of covering elements each having a tab projecting from the body thereof, the outer edge of said tab on each element having a serrated outline, said edge of the tab on one element being of complementary outline to said edge of



the tab of the other element, the portion of the edge of the body of each element adjacent its tab having a serrated outline complementary to that of the tab of the other element.

2,068,119
METHOD AND APPARATUS FOR GENERATING GAS
John T. Whitfield, Boston, Mass.
Application February 4, 1935, Serial No. 4,980
28 Claims. (Cl. 169—11)



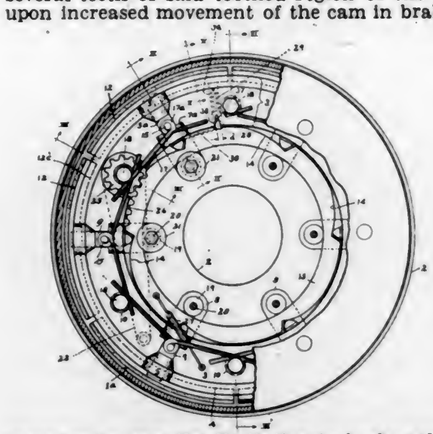
1. A fire extinguishing apparatus which comprises a pressure storage chamber with a portion thereof removable for supplying to the interior thereof a charge of solid volatile fire extinguishing substance, means for heating said charge whereby to effect rapid generation of fire extinguishing gas in said chamber, a body of liquid adapted to serve as a heat exchange medium in said chamber and a conduit adapted to deliver said gas from said chamber to locations at which fire protection is desired.

25. The method of evaporating a solid which comprises immersing the solid in a bath of a liquid and heating the liquid to maintain it at a temperature above its freezing point and above the critical temperature of the gas.

2,068,120
VEHICLE BRAKE
Louis E. Wirth, Pittsburgh, Pa.
Application May 4, 1935, Serial No. 19,826
11 Claims. (Cl. 188—79.5)

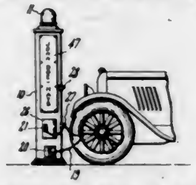
1. In a brake, a brake frame, a drum concentric with the brake frame and a member for braking engagement with the drum, an approximately circular cam rotatable in one direction to move said member into braking engagement and rotatable in the opposite direction to release said member from braking engagement, mechanism for rotating said cam in both directions, a toothed region on said cam, and a detent pin loosely mounted in a bore of the brake frame adjacent the toothed region of the cam and yieldingly forced into contact with the toothed region of the cam cooperatively therewith to limit movement of the cam in brake-releasing direction, said detent pin adapted to assume a changed position with respect to the

several teeth of said toothed region of the cam upon increased movement of the cam in braking



direction to vary the limitation to brake-releasing movement of the cam.

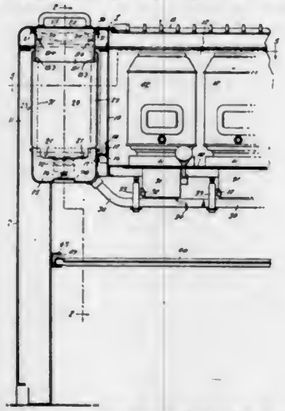
2,068,121
COMBINED PARKING METER AND ADVERTISING DEVICE
Roger W. Babson, Wellesley, Mass.
Application May 22, 1930, Serial No. 454,670
11 Claims. (Cl. 177—311)



3. The combination with a stationary supporting structure having connector-locking means and a connector adapted to be engaged detachably with said structure and locked by said locking means, of a tie member coupled at one end to said connector and at its opposite end to said supporting structure and being adapted to be passed around a part of an adjacently parked automobile, together with a signal and means for actuating said signal when the connector is so engaged and locked, and the coupling between said tie member and supporting structure is broken.

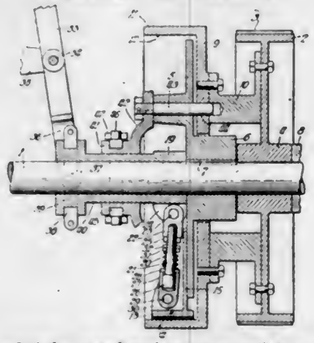
2,068,122
OIL STOVE OR RANGE
Lee S. Chadwick, Shaker Heights, and Charles J. Kessler, Cleveland Heights, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application November 15, 1935, Serial No. 49,994
19 Claims. (Cl. 126—44)

2. In a liquid fuel stove of the kind including a top and one or more burners therebelow, the top having an opening, a closure for said opening, a fuel receiver below said opening having communicative connection with the burner or burners, a substantially vertical partition separating the space below the stove top into a compartment wherein the burner or burners is or are housed and a fuel compartment wherein the receiver is situated, the last mentioned compartment being vented to the atmosphere, a substantially horizontal burner plate having an opening for the accommodation of each burner and occupying a plane approximately at the base of the zone of



combustion, and a reservoir having a discharge opening and supported with said opening in operative relation to the receiver.

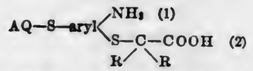
2,068,123
CLUTCH
William Elliott, Elkhart, Ind., assignor to American Coating Mills, Elkhart, Ind., a corporation of Indiana
Application March 22, 1934, Serial No. 716,761
2 Claims. (Cl. 192—53)



1. A clutch mechanism comprising co-axial driving and driven members, expansible friction clutch means carried by one of said members for engagement with the other, a positive drive connection between said members comprising driving pins slidably mounted in the same member which carries said clutch means and engageable in holes therefor in the other member, toggle mechanism for operating said friction clutch means comprising a shiftable shaft sleeve and toggle links connecting said sleeve and clutch means, said toggle links comprising contractile struts embodying springs through which the thrust is transmitted for forcing said friction clutch means against said other member, the arrangement permitting operating the toggle mechanism to a self-locked position with the friction clutch means gripping said other member, a shiftable element slidably and rotatably mounted on said sleeve for shifting said pins to engage and disengage said other member, and independent shift levers for said sleeve and element thereon.

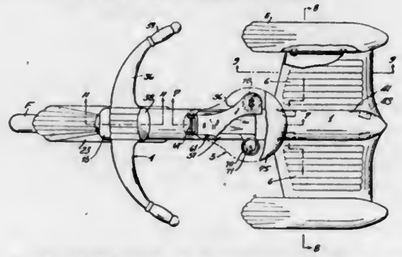
2,068,124
ANTHRAQUINONE DYES AND PROCESS FOR PREPARING THE SAME
Samuel Ellingworth, Norman Hulton Haddock, Frank Lodge, and Colin Henry Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 15, 1933, Serial No. 702,646. In Great Britain December 30, 1932
7 Claims. (Cl. 260—58)

1. The lactams, free acids and alkali-metal salts of the compounds which when existing in the form of the free acids have the following formula:



wherein AQ stands for an anthraquinone radical and the R's stand for one of the group hydrogen, alkyl, aryl and aralkyl.

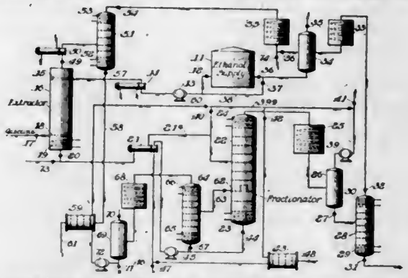
2,068,125
JUVENILE VEHICLE
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Co., Cleveland, Ohio, a corporation of Ohio
Application February 19, 1935, Serial No. 7,171
5 Claims. (Cl. 208—113)



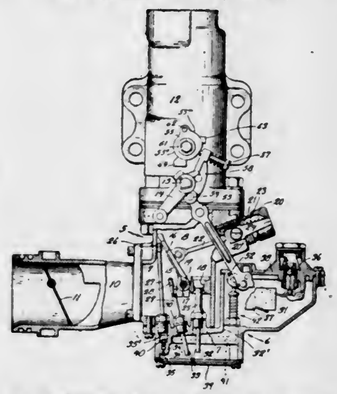
1. In a velocipede, a sheet-metal cross-beam for supporting a pair of rear wheels, a front wheel support assembly, a hollow sheet metal back-bone extending rearwardly from said assembly and downwardly to join said cross-beam, the lower end of the back-bone member having tongues, and the beam having openings receiving the tongues, said tongues being bent toward each other into underlying face-to-face relationship with the under surface of the beam and being welded thereto, a wall portion of the back-bone being open adjacent the cross-beam for reception of a welding instrument applicable over the beam at the region or regions of the welding.

2,068,126
PROCESS FOR REFINING MOTOR FUELS
Ogden Fitz Simons and Raymond A. Jack, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 11, 1933, Serial No. 684,694
1 Claim. (Cl. 196—13)

Process for refining a heavy naphtha motor fuel stock, comprising contacting said stock with aqueous ethanol, separating a raffinate phase and an extract phase, adding a hydrocarbon carrier material boiling approximately within the range 140° F. to 170° F., fractionally distilling said extract phase together with said hydrocarbon carrier material to separate an overhead fraction comprising said hydrocarbon carrier material and dilute ethanol, condensing said overhead fraction, separating said dilute ethanol from said hydrocarbon carrier material, redistilling said dilute ethanol to produce a substantially constant-boiling mixture of ethanol and water, recycling said mixture back to said contacting step and recycling said hydrocarbon carrier material back to said first mentioned distilling step.



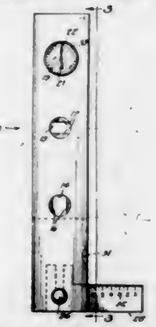
2,068,127
CARBURETOR
David Firth, Flint, Mich., assignor to Marvel Carbureter Company, Flint, Mich., a corporation of Illinois
Application May 9, 1934, Serial No. 724,795
10 Claims. (Cl. 261—51)



1. In a carburetor a main body member providing a mixing chamber, and having an air inlet opening and a combustible mixture discharge opening, a fuel bowl providing a float chamber and a fuel sump extending below said main body member and having a wall portion forming the bottom wall of said main body member, a direct air passage leading from said inlet opening to the mixing chamber, a suction-operated air valve controlling said passage, a by-pass air passage leading from the inlet opening around said air valve and terminating in a venturi discharging into the mixing chamber, a low speed nozzle mounted on said wall portion to discharge into the venturi and having a tube extending downwardly through said wall portion into the sump and through the surface of the fuel therein to obtain fuel only from near the bottom of the sump, and an intermediate and a high speed jet controlled by said air valve and mounted on said top wall portion, said high speed jet having a tube extending downwardly through said wall and through the surface of the fuel in the sump, and said intermediate speed jet having a passaged extension formed by a stud on the wall portion

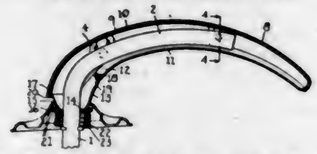
also extending through the surface of the fuel and downwardly into the sump to a point adjacent the bottom thereof.

2,068,128
COMBINATION ANGLE INDICATOR AND TRY SQUARE
Everett Harson Galford, Covington, Va.
Application August 23, 1934, Serial No. 741,137
1 Claim. (Cl. 33—89)



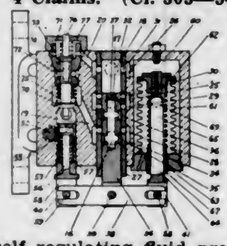
A combination angle indicator and try square including a level block, an angle indicating dial on the face of said level block, an indicating needle pivotally suspended centrally on said dial, one end of said needle being in pointer form, a weight integrally attached to the other end of said needle to cause said needle to act as a plumb, a slot formed in said level block at the opposite end thereof from the dial, a bolt extending transversely through said slot and countersunk below the surface of said level block, a wing nut on said bolt countersunk beneath the opposite surface of said level block, a try square, one end of said try square being characterized by a bifurcated arm at right angles thereto, said try square being adapted to be removably inserted in said slot in said level block with said bifurcated arm extending about said screw bolt, said try square being adapted to pivot to any desired angle relative to said level block about said screw bolt, said wing nut and bolt cooperating with said try square to hold said try square at any desired angle relative to said level block as measured by said indicating dial and plumb indicator needle, the edge of said level block and the edge of said try square each being graduated.

2,068,129
DOOR HANDLE
Gilbert J. Haan, Jr., Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.
Application February 27, 1936, Serial No. 66,019
12 Claims. (Cl. 292—347)



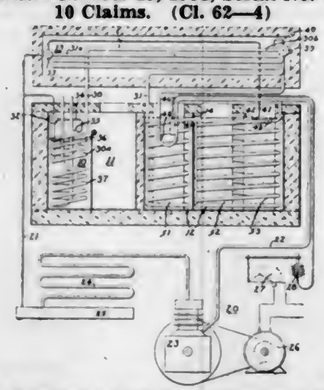
12. A handle structure comprising a spindle bent at its outer end to provide a laterally disposed curved arm, a curved body member of channel cross section having insets at the side thereof welded to the sides of said arm on said spindle, there being portions of said body member at the inner sides of said insets flush with the sides of said body member, and a casing embracing said body member and folded around the edges thereof.

2,068,130
SELF REGULATING FLUID PRESSURE VALVE
Albert Dex Harrison, Hampstead, Quebec, Canada
Application January 13, 1934, Serial No. 706,504
In Canada January 14, 1933
4 Claims. (Cl. 303—54)



1. In a self regulating fluid pressure valve, a valve body divided into a valve chamber having an inlet port connected to a source of compressed air, an intermediate port connected to the work and an exhaust port, and a pressure adjusting chamber having an open connection to the work, an actuating member suitably mounted in said valve body, a floating lever external to said valve body and flexibly connected to said actuating member, a hollow valve having inlet and outlet ports communicating with said inlet port and work port of the valve chamber and associated with said floating lever and controlling the flow of air to and from the work, and an adjusting member in said pressure adjusting chamber and having a connection to said floating lever and adapted to return said valve to its neutral position.

2,068,131
REFRIGERATING APPARATUS
Charles F. Henney, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 19, 1934, Serial No. 749,017
10 Claims. (Cl. 62—4)



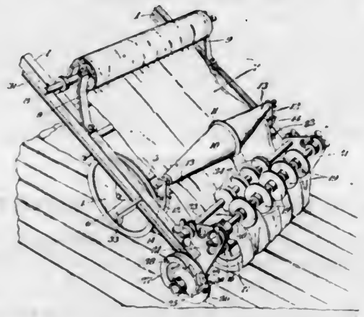
8. Refrigerating apparatus including refrigerant liquefying and evaporating means, and means for condensing refrigerant between the outlet of said evaporating means and the inlet of said liquefying means, and means for controlling the liquefying means according to the refrigerant condensed by said condensing means.

2,068,132
PRODUCTION OF MONOMETHYLAMINE AND DIMETHYLAMINE
Paul Herold and Karl Smeykal, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 11, 1934, Serial No. 720,041
In Germany April 19, 1933
6 Claims. (Cl. 260—127)

1. The process of producing methylamines containing from 1 to 2 methyl groups in the molecule by catalytically reacting, at a temperature between about 300° and about 450° C. in the vapor phase, ammonia with a compound of the formula $CH_3—O—R$, R being one of the group consisting of hydrogen and methyl, which comprises adding before the reaction to each part by volume of the starting material mixture (measured while liquid) from 5 to 6 parts by volume (measured while liquid) of an ammonia-trimethylamine-mixture containing less trimethyl-amine than the azeotropic ammonia-trimethylamine mixture.

6. The process of continuously producing methylamines containing from 1 to 2 methyl groups in the molecule by catalytically reacting, under a pressure above 50 atmospheres and at a temperature between about 300° and about 450° in the vapor phase, ammonia with a compound of the formula $CH_3—O—R$, R being one of the group consisting of hydrogen and methyl, which comprises adding before the reaction to each part by volume of the starting material mixture (measured while liquid) from 5 to 6 parts by volume (measured while liquid) of an ammonia-trimethylamine-mixture containing less than 20 per cent by weight of trimethylamine, subjecting the reaction mixture to fractional distillation under superatmospheric pressure thus separating out the water formed, a mixture of mono and dimethylamine, and a mixture of ammonia and trimethylamine which has about the same composition as the mixture added and recycling the latter.

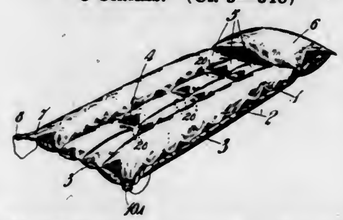
2,068,133
MACHINE FOR APPLYING OR LAYING FLEXIBLE SHEET MATERIAL OVER CORRUGATED SURFACES
Clarence D. Hindall, Ada, Ohio, assignor of one-fourth to The Philip Carey Manufacturing Company, a corporation of Ohio
Application March 11, 1932, Serial No. 598,185
23 Claims. (Cl. 216—6)



15. In an apparatus, adapted to apply flexible sheet material to a corrugated surface, rotating devices provided with grooves adapted to be brought into register with the valleys in a corrugated sheet, means adapted to guide flexible material into said grooves and a plurality of rollers movably mounted on a shaft adapted to slack the material between said grooves.

22. In an apparatus for applying flexible sheet material to a surface, a frame, means to carry a supply of flexible material, rotating means adapted to apply the flexible material to a surface, and means located between the supply means and the applying means adapted positively to engage said flexible material for holding same in alignment as it passes from the supply to the applying means.

2,068,134
INFLATABLE BED OR MATTRESS AND THE LIKE
William Henry Houghton, Orpington, England
Application April 1, 1935, Serial No. 14,107
In Great Britain August 16, 1934
3 Claims. (Cl. 5—348)

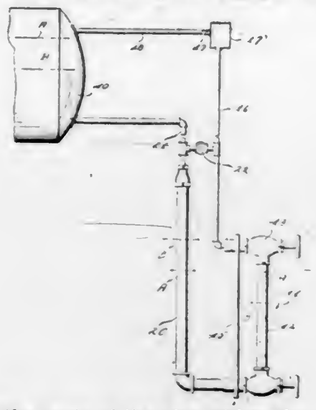


1. An inflatable air mattress or the like comprising two coextensive layers of air-impermeable flexible material united along their edges and interattached along lines between said layers to form a plurality of pneumatic air-cells extending over the whole area of coextensivity of the layers, the cells being connected by ports, distending means of flexible material in one of the cells to which pressure may be applied from outside the walls of the said one cell, and means comprising a one-way inlet valve communicating with the atmosphere to permit air to be sucked in from the atmosphere during the distending action of the distending means but to prevent air escaping to the atmosphere during the contraction of the distending means, and the distending means having also a one-way outlet valve connecting the said one cell with the distending means to permit air to enter the said one cell from the distending means during the contraction of the distending means but to prevent air entering the distending means from the said one cell during the distending action of the distending means, whereby the distending means may be caused to operate as a pump for inflating the mattress or the like, the said one cell being sufficiently narrow compared to the dimensions of the distending means so that the distending means is easily accessible from the said walls of the said one cell over its area in projection in the direction of the said pressure application.

2,068,135
WATER LEVEL INDICATOR
Curtis L. Howse, Birmingham, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application October 20, 1930, Serial No. 490,072
4 Claims. (Cl. 73—54)

1. A liquid level indicator including a U-bend pipe with vertical legs in communication with the liquid-containing space and with the space above said liquid, said pipe containing a column of an indicating liquid having a specific weight exceeding that but less than double that of the liquid whose level is to be indicated, and means for

maintaining a constant liquid level in one leg of said U-bend pipe whereby one end of said column of indicating liquid is subjected to a constant pressure and the other end of said column of indicating liquid is subjected to a variable pressure dependent upon the level of the liquid whose level is to be indicated, the relative cross sec-



tions of the parts of the pipe within the range of movement of the indicating liquid having a definite relation directly dependent on the specific weight of the indicating liquid, this relation being such as to obtain fluctuations of the indicating liquid which are equal to the fluctuations of the liquid whose level is to be indicated.

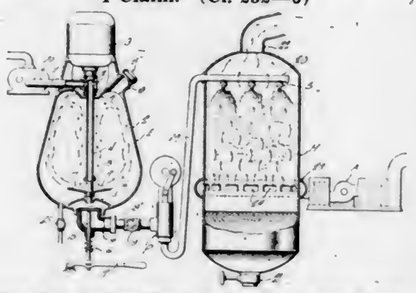
2,068,136

PROCESS OF PREPARING EMULSIONS

Edwin F. Hulbert, Glenview, Ill.

Application August 20, 1934, Serial No. 740,631

1 Claim. (Cl. 252—6)



The hereindescribed process of preparing an emulsion of mineral oil and an aqueous solution of agar-agar which consists in breaking up and dispersing the constituents of the emulsion while maintaining the temperature of the mass above the hydrating temperature of the agar and until the desired physical structure of the emulsion has been accomplished, and then spraying the mass within a confined chamber against a stream of air properly controlled as to volume, temperature and humidity to quickly reduce the temperature of the particles of the mass to a point below the hydrating temperature of the agar whereby to obtain a stable emulsion of a predetermined fluidity and phase proportion.

2,068,137

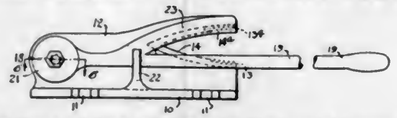
LEG BONE BREAKER AND TENDON PULLER

Joseph Edward Jaeger, Los Angeles, Calif.

Application October 23, 1934, Serial No. 749,586

2 Claims. (Cl. 17—11)

1. In a machine of the class described, the combination of a stationary frame having jaws adapted to hold the leg of a fowl, and a lever rotatably mounted on said frame, said lever having a similar jaw adapted to hold the lower portion



of the leg and foot of the said fowl, said lever being so mounted as to permit a limited lateral movement in addition to the rotative movement for the purpose shown and described.

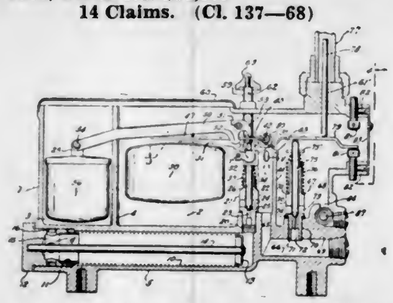
2,068,138

DEVICE FOR CONTROLLING THE SUPPLY OF FUEL TO OIL BURNERS AND THE LIKE

Roy W. Johnson, Milwaukee, Wis., assignor to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin

Original application March 3, 1933, Serial No. 659,448. Divided and this application October 7, 1936, Serial No. 104,379

14 Claims. (Cl. 137—68)



1. A device of the character described comprising means providing a main supply chamber and an auxiliary chamber, an inlet valve regulating the flow of liquid into the supply chamber, means controlling said inlet valve to maintain a selected liquid level in said supply chamber, an auxiliary operator for said inlet valve, a float in said auxiliary chamber controlling the action of said auxiliary operator, means providing for the flow of liquid into the auxiliary chamber from the main supply chamber when the level of liquid in the supply chamber rises above said selected level a certain extent, the unsubmerged volume of the float being greater than the volume of the space defined by the unsubmerged portion of the float and the wall of the auxiliary chamber up to said flow providing means, and means for actuating the float within the auxiliary chamber to displace the liquid from said auxiliary chamber back into said main supply chamber.

2,068,139

MACHINE FOR MAKING STUFFING FOR FURNITURE

Jacob Kronheim, Cleveland, Ohio

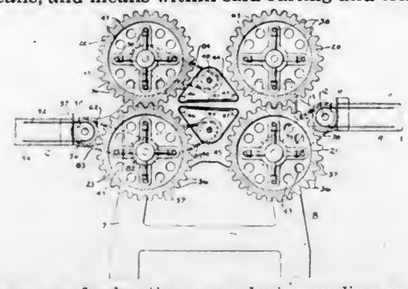
Application August 1, 1933, Serial No. 683,223

Renewed July 24, 1935

7 Claims. (Cl. 19—66)

1. In a machine for making stuffing for chairs, couches, etc. from fibrous material having a curling section, means for advancing said material through said curling section including spaced sets of differently timed rotatory curling and crimping means, and conveying means between said sets of curling and crimping means timed to the

speed of the faster rotating, curling and crimping means, and means within said curling and crimp-



ing means for heating same during curling operations.

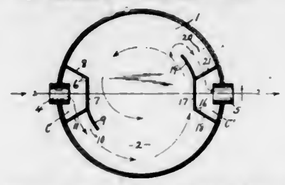
2,068,140

SEPTIC TANK

Willard E. Jaquith, Syracuse, N. Y.

Application March 2, 1934, Serial No. 713,707

6 Claims. (Cl. 210—6)



3. In a septic tank for sewage disposal comprising an upright receptacle, said receptacle having an inlet opening and an outlet opening near the top thereof, said outlet opening determining the level of the sewage in said receptacle, a deflector plate secured to the side walls of the receptacle adjacent the inlet opening, said plate having a surface extending at one side of the inlet opening from above the maximum surface level of the sewage substantially to the bottom of the receptacle and a surface facing the inlet opening which is free from sharp corners in which sewage may lodge and which extends from above the maximum surface level of the sewage substantially to the bottom of the receptacle and a surface on the other side of the inlet opening which extends from above the maximum surface level of the sewage and downward toward the bottom of the receptacle a distance substantially less than said first two mentioned surfaces, said deflector plate causing the incoming sewage to be deflected downward well below the surface of the sewage and beneath the lower edge of said last mentioned deflector plate surface and in one circulatory direction around the side walls of the receptacle toward the outlet opening, and a deflector plate similar to said first deflector plate disposed adjacent the outlet opening.

2,068,141

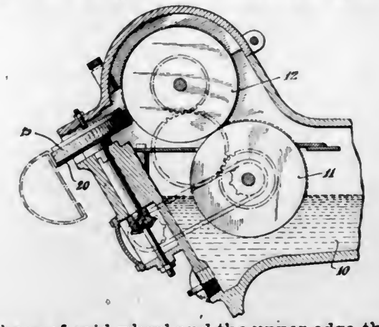
COATING APPLICATOR

August Kramer and Peter Bolhofner, St. Louis, Mo., assignors to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware

Application June 11, 1934, Serial No. 729,992

4 Claims. (Cl. 91—50)

1. A shoe bottom cementer comprising, a fluid reservoir, a rotatable applicator, and a transfer wheel for conveying fluid on its periphery from said reservoir to said applicator, said applicator being located in a plane at right angles to said transfer wheel and having a yieldable rim of a width commensurate with that of the band of cement to be applied to the bottom of a lasted upper for sole affixing purposes, the lower edge of said rim being located in contact with the



periphery of said wheel and the upper edge thereof being slightly spaced from said wheel periphery to provide a narrow tapered fluid receiving space in which cement is adapted to build up across substantially the entire extent of the applicator rim.

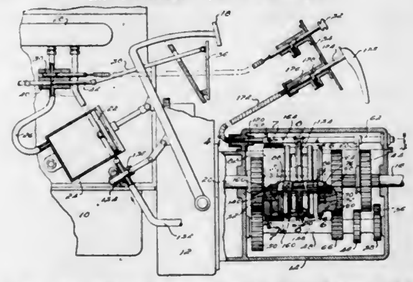
2,068,142

AUTOMATIC TRANSMISSION

Rex E. Keller, Beverly Hills, Calif.

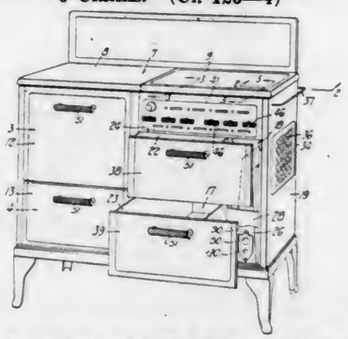
Application February 26, 1934, Serial No. 713,029

12 Claims. (Cl. 192—.01)



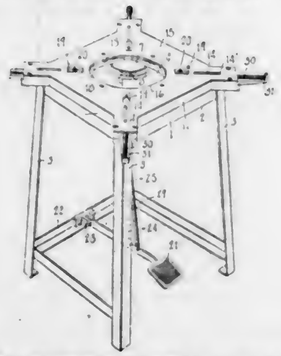
1. In an engine-driven vehicle, the combination of a variable speed transmission having driving and driven shafts and an automatic speed changing mechanism including a centrifugally actuated clutch having driving and driven members operatively connected to said shafts respectively, means for providing an initial driving connection between said shafts for rotating said clutch members at different rates of speed, a locking member carried by one of said clutch members and operable responsive to centrifugal force resulting from rotation thereof for engagement with the other of said clutch members to provide a driving connection between said shafts at a different ratio than the said initial driving connection, and means associated with said locking member and operable upon substantial relative rotation between said clutch members for preventing the operation of said locking member until the rotative speeds of said clutch members are approximately synchronous, a main clutch operatively connecting said driving shaft to the engine of said vehicle, and brake means for braking the driving member of said centrifugally actuated clutch to expedite the synchronization of the same with said driven member and operable incidental to the actuation of said main clutch to break the driving connection between said driving shaft and the engine of the vehicle.

2,068,143
COOKING AND HEATING RANGE
Joseph E. Leonard, Berkeley, Calif., assignor to Hammer-Bray Company, Ltd., Oakland, Calif., a corporation of Nevada
Application June 1, 1935, Serial No. 24,527
6 Claims. (Cl. 126—4)



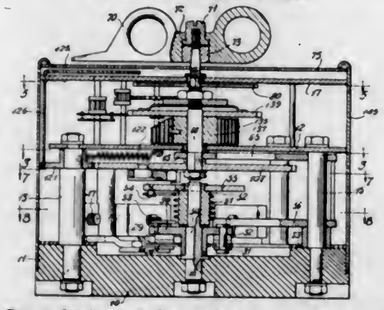
1. In a cooking and heating stove, gas burners, a fuel manifold, control cocks for the burners, a top gas burner chamber with a space at the front of the stove for the fuel manifold and control cocks, a compartment underneath said chamber and communicated therewith and extending substantially to the front of the stove, and a closure member normally covering the area at the front of said compartment having a vertical passage therethrough for delivering air from said compartment adjacent the lower extremity of said closure to the space aforesaid.

2,068,144
WRAPPING MACHINE
Charles F. McAleer, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.
Application January 14, 1935, Serial No. 1,745
13 Claims. (Cl. 93—2)



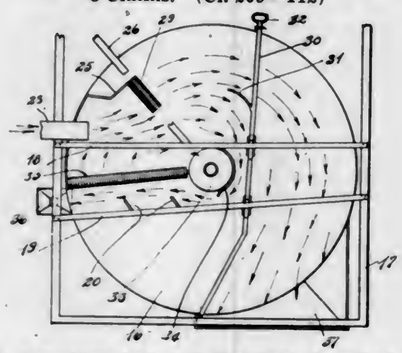
1. A dish wrapping machine comprising a central holder conformed to receive a plurality of dishes in inverted nested relation and a wrapper therefor, a spring actuated ejector at the center of said holder, a plurality of spring retracted slides radially disposed about said holder and having arcuate folders adapted to fold the wrapper over the dishes when they are advanced, said holder acting to hold the wrapper in the paths of said slides, and pedal actuated means for advancing said slides and including a central vertical slide rod and cables connecting said slides to said rod.

2,068,145
TIME SWITCH
John E. McAllister, Cleveland, Ohio, assignor, by mesne assignments, to Arthur J. Hudson, Cleveland, Ohio
Application November 7, 1934, Serial No. 751,859
7 Claims. (Cl. 200—39)



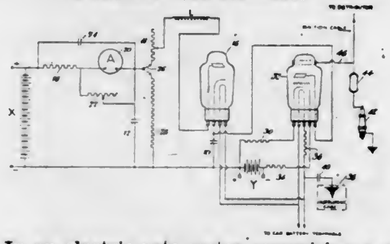
2. In a device of the character referred to the combination of a rotary member, a second member rotatably supported coaxial with said first mentioned member, means for limiting the rotation of said second member, a coil spring operatively connected to said first and second members, an oscillatory member, means for oscillating said oscillatory member, a one-way driving connection between said oscillatory member and said second member, and means operatively connected to said oscillatory member for effecting intermittent rotation of said first mentioned member under the action of said spring in a different number of steps upon movement of said oscillatory member in different directions.

2,068,146
SEED SORTING MACHINE
Lee A. Medcalf, Fairgrove, Mich.
Application May 11, 1935, Serial No. 20,931
5 Claims. (Cl. 209—112)



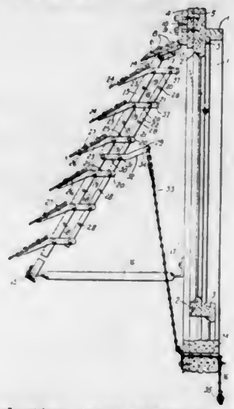
1. A sorting device of the class described and including a frame, a flat disc, a feed spout for feeding the product to be sorted onto the disc, a sectional roller mounted on said frame and riding on the face of the disc in the path of the product discharged from the feed spout, spaced apart substantially parallel scrapers mounted on the frame, with certain sections engaging the face of the disc, another scraper positioned at right angles to the first mentioned scrapers and adjustable with relation thereto, a handle on one end of said scraper, the opposite end extending to the edge of the disc to force the product carried on the outer section of the disc from the face thereof, deflecting wings on one of said parallel scrapers, and means for driving said disc.

2,068,147
ELECTRIC RATE METER
Benjamin Miller, Brooklyn, N. Y., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application July 19, 1935, Serial No. 32,213
5 Claims. (Cl. 175—183)



1. In an electric rate meter comprising a condenser, a charging circuit for the condenser comprising a source of charging current, an ammeter connected in series circuit with said condenser, and means for discharging the condenser at a frequency proportional to the rate to be measured, the improvement which comprises means for compensating for variations in potential of the source of charging current comprising a variable resistance shunted across the ammeter in the condenser charging circuit, a fixed resistance, and a switch located in position to alternatively connect the fixed resistance in closed circuit with the ammeter and source of charging current with the condenser disconnected and to connect the condenser in the charging circuit with the fixed resistance disconnected.

2,068,148
SHUTTER AWNING
Vincent J. Moir, Cleveland Heights, Ohio
Application November 22, 1935, Serial No. 51,131
5 Claims. (Cl. 156—17)

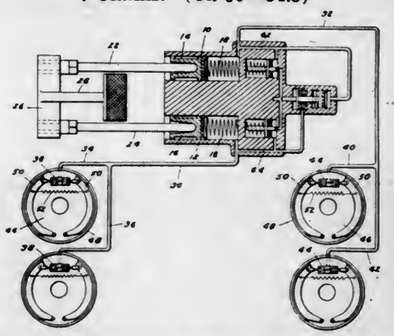


1. In a shutter type awning, a plurality of groups of substantially horizontal cooperating vanes, the groups being disposed generally in planes at a dihedral angle, one with the other, and outwardly convex, a frame comprising a pair of horizontally spaced members each comprising frame elements conforming to the direction of and spaced from the planes of the vane groups, each frame element having a bar disposed parallel thereto and spaced therefrom, a plurality of arms pivotally connecting each bar with the corresponding frame element and having outwardly extending free end portions, the vanes each being supported by its opposite end portions on opposite pairs of arm free end portions, the bars of each member being connected together by means permitting relative pivoting thereof, and means to move the bars with a parallelogram movement relative to the frame elements to pivotally move the vanes.

2,068,149
PROCESS OF PURIFYING AND FRACTIONATING MAHOGANY SULPHONATES AND PRODUCTS THEREOF
Latimer D. Myers and Lou A. Stegemeyer, Cincinnati, Ohio, assignors to The Twitchell Process Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application June 21, 1933, Serial No. 676,928
10 Claims. (Cl. 260—159)

4. The method of separating inorganic sulphates from impure mahogany sulphonates, said method, comprising, dissolving the sulphonates in a high-proof aqueous alcohol at a temperature just under the boiling point of said aqueous alcohol, and agglomerizing and settling said inorganic sulphates out of said solution at said temperature by means of oil dispersed throughout said solution.

2,068,150
HYDRAULIC BRAKE
Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application November 5, 1934, Serial No. 751,462
7 Claims. (Cl. 60—54.5)

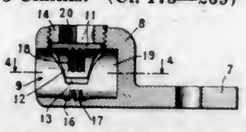


1. A fluid pressure system of the class described, comprising a pair of compressors, a passageway connecting said compressors, valve means normally closing said passageway, fluid pressure responsive means for opening said valve means, a single valve for closing said passageway upon the creation of a pressure higher than that required to open said valve means, and fluid pressure responsive means for actuating said single valve.

2,068,151
PAPER MANUFACTURE
Raymond F. Remler, Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 5, 1934, Serial No. 751,583
5 Claims. (Cl. 92—13)

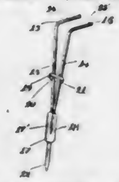
1. In a process of cooking a fibrous material, the step comprising subjecting the material to the action of an alkaline medium and a minor amount of turpentine.

2,068,152
SOLDERLESS ELECTRICAL TERMINAL
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application March 3, 1934, Serial No. 713,789
5 Claims. (Cl. 173—269)



1. An electrical connector including a housing provided with a recess in which a stranded conductor is adapted to be received, said recess having side bays, clamping means for a conductor consisting of a saddle having a concave surface adapted to fit around and laterally outside the conductor, said saddle having side arms adapted to extend over opposite sides of the conductor and into said side bays, the end portions of said side arms within said side bays being capable of movement to below the axis of said recess whereby said inner end portions of the side arms may be easily wedged between the conductor strands and the outer walls of said side bays, and a nut rotatable independently of said saddle for applying pressure thereto.

2,068,153
TIE STAY
Everett W. Sharkey, Woodhaven, N. Y.
Application September 15, 1936, Serial No. 100,813
4 Claims. (Cl. 24—49)

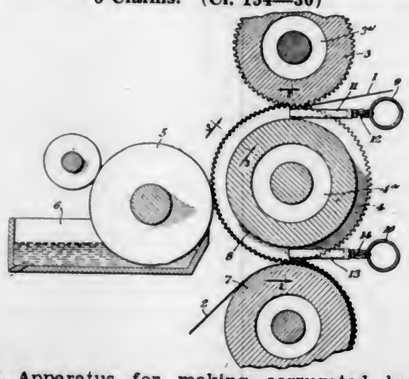


1. A tie stay for a four-in-hand tie comprising resilient and diverging arm members, the upper end portions of said arm members both being angularly offset to serve as forwardly projecting and adjustable external lateral guides for the knot, a bar member slidable along the said arm members thereby adjusting the distance between the said guides, the lower end portions of the said arm members being joined together, and a securing prong depending from the junction of the lower ends.

2,068,154
EARTHENWARE BODY
Ira Elmer Sproat, Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 30, 1935, Serial No. 47,413
8 Claims. (Cl. 106—11)

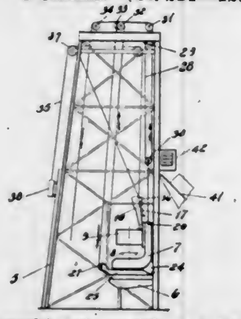
1. Glazed, semi-vitreous, earthenware bodies having a bisque made from a mixture comprising clay from the class consisting of ball clays, kaolins and china clay, and pyrophyllite, both in substantial amount, and a small percentage of a calcium compound sufficient to impart decreased moisture expansion in the resulting body, the amount of calcium compound being greater than that occurring naturally in the pyrophyllite and clay and between about 0.5 and 5%.

2,068,155
MACHINE FOR MAKING CORRUGATED PAPERBOARD
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application May 12, 1934, Serial No. 725,252
6 Claims. (Cl. 154—30)



1. Apparatus for making corrugated board comprising in combination a pair of intermeshing corrugating rolls, one constituting a carrier roll and having in its periphery an endless circumferential groove of substantially greater depth than its corrugations, means for delivering paper to said carrier roll at the intermeshed portions of the two rolls, means for removing corrugated paper from the carrier roll at a point substantially removed from the intermeshed portions of said rolls, whereby the paper covers a portion of said groove between the points of delivery and removal of the paper, forming a covered chamber; and air-excluding means projecting into both ends of said chamber so as to maintain a continuous sealing relation with the corrugated paper, terminating therein beneath the corrugated paper on the carrier roll and out of the path of the paper as it engages and as it leaves the carrier roll, said air-excluding means having at least one duct therein for the extraction of air from said chamber.

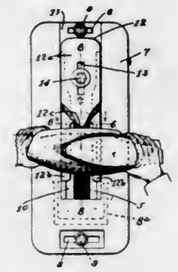
2,068,156
CAR DUMPING APPARATUS
Ernest W. Taylor, Bay City, Mich., assignor to Industrial Brownhoist Corporation, Bay City, Mich., a corporation of Ohio
Application May 8, 1933, Serial No. 669,823
3 Claims. (Cl. 214—123)



1. The combination with a material handling apparatus of the character described and including an inclined discharge apron and a cradle

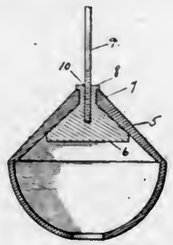
adapted to accommodate a car, clamps pivotally connected to the apparatus, a flat cover member secured to said clamps, and forming a closure for the upper end of the car when it is tilted to discharge its contents, and a hinged section on the one edge of the cover, said section being adapted to swing up and form a discharge opening between the edge of the car and the main body of said cover when the car is being tilted.

2,068,157
FORE PART ROUGHING MACHINE FOR SHOES
Arthur T. Tempesta, Lewiston, Maine, assignor, by direct and mesne assignments, to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application March 10, 1934, Serial No. 714,952
4 Claims. (Cl. 69—1)



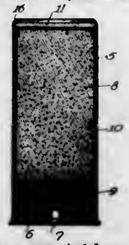
1. An upper roughing machine comprising a rotatable roughing wheel, a casing for said wheel having an open front, a guard covering such open portion of said casing and having a guide groove in its forward face, said guard having an opening located in said groove through which part of the periphery of said wheel extends, and a gauge having an outwardly extending shoulder for engaging the side of a lasted upper and a pair of straight spaced arms extending forwardly beyond said shoulder for engaging entirely across the bottom of a lasted upper, said gauge being fastened in said guide groove with its arms located at either side of said opening.

2,068,158
FLUSHING VALVE FOR TOILETS
Phillip H. Theisen, San Francisco, Calif.
Application March 10, 1936, Serial No. 68,066
4 Claims. (Cl. 4—56)



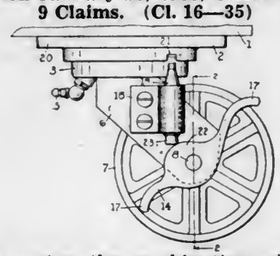
1. In a ball flush valve of the class indicated, comprising, a resilient ball valve, a counterweight associated therewith and thread means for attaching said lifting stem to said counterweight.

2,068,159
CARTRIDGE
Peter von Frantzius, Chicago, Ill., assignor to Hercules Gas-Munitions Corporation, Chicago, Ill., a corporation of Illinois
Application December 18, 1931, Serial No. 581,831
4 Claims. (Cl. 102—12)



4. In a tear gas cartridge, having a primed shell, a propellant and heat generating filling for the inner end portion of said shell, and a substantially complete filling for the entire outer end portion of said shell consisting of a tear gas chemical and an envelope entirely surrounding said chemical and composed of such readily combustible material of such extreme thinness throughout that it will be immediately consumed as an entirety at the moment of the explosion of the shell in the gun.

2,068,160
CASTER WHEEL
Werner Zeindler, Albion, Mich., assignor to Service Caster & Truck Company, Albion, Mich.
Application January 20, 1936, Serial No. 59,827
9 Claims. (Cl. 16—35)

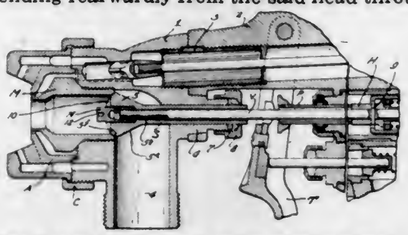


4. In a caster, the combination with a base member provided with an annular downwardly facing flange having keeper recesses therein, of a wheel, a wheel standard swiveled on said base member, a spindle for said wheel carried by said standard, a vertically disposed bolt mounted on said wheel standard in alignment with said flange of said base member, and an actuating lever mounted on said wheel spindle and provided with a bolt actuating cam.

2,068,161
MATERIAL-DISCHARGE CONTROL VALVE FOR SPRAY GUNS
Svend Bramsen and Fred W. Wahlin, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Original application October 2, 1935, Serial No. 43,244. Divided and this application March 20, 1936, Serial No. 69,762
6 Claims. (Cl. 299—140.1)

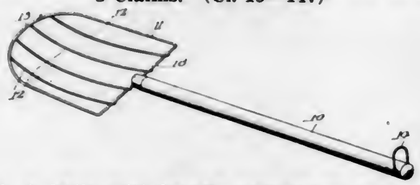
1. In a spray gun having a forwardly facing material nozzle, and having a longitudinally movable material valve controlling the said nozzle and slidably guided by a part of the body of the

gun, a frontally adjustable material valve comprising: a tubular member having a forward head adapted to seat against a portion of the material nozzle to shut off the flow of material through that nozzle, the said member also having a shank coaxial with the said valve head portion and extending rearwardly from the said head through



the said part of the gun body; a valve stem coaxial with the said tubular member, the said stem having its forward portion threaded through and forwardly beyond a part of the said member; and a locknut threaded upon the said projecting stem portion and normally in rearward engagement with a part of the tubular member.

2,068,162
BATH MITT HANDLE
Henry C. Borchers, Chicago Heights, Ill.
Application December 7, 1935, Serial No. 53,372
3 Claims. (Cl. 15—147)



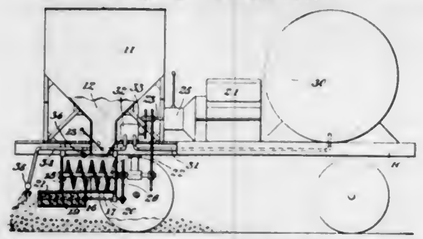
1. A bath mitt handle comprising a handle proper and an approximately rectangular head at one end of the handle, said head being plano-convex in longitudinal section, the plano portion comprising a frame, and the convex portion comprising a plurality of spaced bars unsupported intermediate their ends and extending across the frame from one side to the opposite side thereof and secured thereto, whereby when the head is removably inserted into a mitt, the opposite walls of the mitt will be maintained spaced from each other to permit a circulation of air within the mitt.

2,068,163
METHOD OF AND APPARATUS FOR MAKING CONTAINERS
Wilber E. Bowersock and Francis J. Spiess, Rochester, N. Y., assignors to The Rochester Folding Box Co., Rochester, N. Y., a corporation of New York
Application December 5, 1935, Serial No. 53,024
79 Claims. (Cl. 93—41)



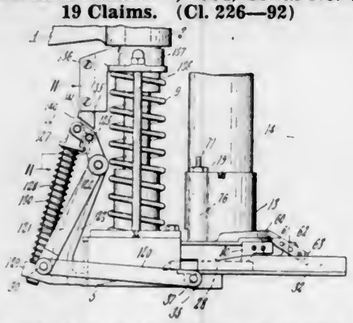
1. A machine for operating upon box forming blanks, comprising mechanism for advancing the blanks in spaced relation, means for folding the blanks during advancement thereof, mechanism for advancing the blanks in contact one with another subsequent to the folding operations, means located between said mechanisms for squaring the blanks including a device for moving the squared blanks to the second advancing mechanism and in contact one with another, and means for applying connecting means to the opposing edge portions of the blanks during advancement of the blanks in contact one with another.

2,068,164
METHOD OF PREPARING ROAD PAVING COMPOSITIONS
Edwin B. Cadwell, Saugerties, N. Y., assignor to Merwin F. Ashley, Brooklyn, N. Y.
Application August 11, 1932, Serial No. 628,309
6 Claims. (Cl. 94—23)



1. In methods of preparing road paving compositions, mechanically admixing solid ingredients of a bituminous binder in finely divided particles with fluid ingredients thereof to make a mixture of paste-like consistency, and then coating the mixture thus prepared over the surfaces of road aggregate metal at normal temperature, before the binder ingredients can completely amalgamate to form a cement.

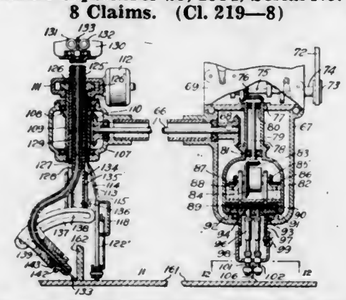
2,068,165
BOTTLE CAPPING MECHANISM
Ransom J. Daniels, Whitestone, N. Y., assignor to American Seal-Kap Corporation, Long Island City, N. Y., a corporation of Delaware
Application December 7, 1934, Serial No. 756,444
19 Claims. (Cl. 226—92)



1. In combination with a bottle capping mechanism comprising a capping head movable up and down relative to a bottle to be capped, a cap-holder, a feeder for feeding caps one by one from said holder to said head, of means actuated when said head and a bottle approach each other to cap a bottle to retract said feeder, and means controlled by the cap, on the subsequent separation of the bottle and head by the withdrawal of the cap from said head causing the bottle to which it has been applied, to effect actuation of the feeder to feed another cap into position in said head.

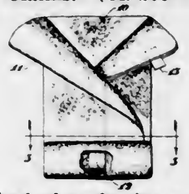
14. A bottle capping mechanism comprising a support, a capping head movable up and down relative to said support, a cap holder movable with said head, a cap feeder movable laterally between said cap holder and head in position to feed caps one by one from said holder to capping position in said head, a lever for actuating said feeder, a spring acting on said lever in cap-feeding direction, and a cam carried by said support and cooperating with said lever to retract said feeder on upward movement of said head relative to said support.

2,068,166
WELDING APPARATUS
Paul E. Dodge, Detroit, Mich.
Application September 28, 1934, Serial No. 745,903
8 Claims. (Cl. 219—8)



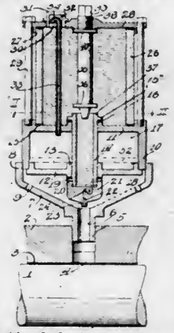
1. In a device of the class described the combination of a thermal metal working instrumentality; a freely movable tracking mechanism for supporting said instrumentality; a templet for defining the line of operation of said instrumentality; a flexible guide for said instrumentality; means for maintaining said instrumentality at an angle to the work-piece operated upon; and power driven means for raising and lowering said instrumentality in conformance with the surface of the work-piece independently of the raising and lowering of the supporting means of said instrumentality.

2,068,167
BATTING PACKAGE
Russell S. Dwight, Cincinnati, Ohio, assignor to The Stearns & Foster Company, Cincinnati, Ohio, a corporation of Ohio
Application May 19, 1934, Serial No. 726,564
3 Claims. (Cl. 206—46)



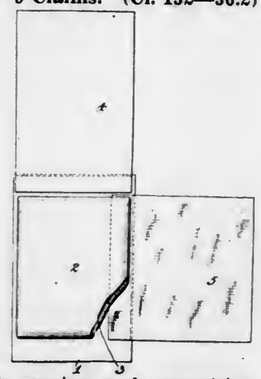
1. The method of packaging a sheet of cotton batting into a roll, said method comprising folding said batting sheet substantially in half to obtain a marginal folded edge and marginal raw edges, interposing a separator strip intermediate the layers so constituted, interposing a plurality of fingerhold separator tabs spaced at intervals between the layers of the over-fold sheet at the joining raw edges, then folding said raw edges enclosing said separator tabs toward said marginal folded edge, then folding said marginal folded edge over said raw edges and concealing them; then rolling the folded bundle upon itself to compact the same into a roll having only folded and not raw edges exposed.

2,068,168
AUTOMATIC LUBRICATOR
Hilmer N. Ekbom, Chicago, Ill.
Application September 27, 1934, Serial No. 745,676
21 Claims. (Cl. 184—84)



1. An automatic lubricator comprising a main lubricant reservoir, an auxiliary reservoir connected therewith and having a restricted lubricant discharge passage leading therefrom, a housing supporting the main reservoir and having a common wall therebetween and an air chamber therein surrounding the auxiliary reservoir and means connecting said air chamber and the main reservoir to produce a discharge of lubricant from the feed passage due to variations in air pressure in the air chamber produced by temperature changes transmitted from a bearing on which the lubricator is mounted.

2,068,169
HAIR WAVING PAD
Ralph L. Evans, New York, N. Y., assignor to Zotos Corporation, New York, N. Y., a corporation of New York
Application June 24, 1932, Serial No. 619,025
9 Claims. (Cl. 132—36.2)



1. A hair waving pad comprising a non-absorbent outer sheet, a perforable impervious envelope containing an exothermic material, an inner impervious sheet and a moistenable intermediate absorbent sheet interposed between the envelope and the inner sheet, the envelope, the intermediate sheet and the inner sheet all being attached to the outer sheet.

2,068,170
DUPLEX HAIR WAVER
Anna E. Farrell, Seattle, Wash.
Application June 19, 1935, Serial No. 27,380
5 Claims. (Cl. 132—31)

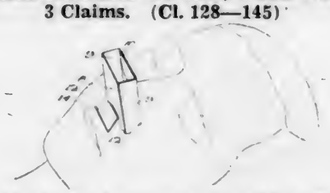
1. A hair waver, comprising an elongated flattened member, with openings therethrough, and

provided with parallel plates along the outer sides thereof, resilient hook teeth spaced apart along the inner edges of the plates and projected in forward and downward directions for insertion through hair to be waived on a head, par-



allel bars attached at both ends by links to the side plates and spaced apart from each other by a central slot, to provide a passageway for a comb to draw said hair along beneath said slot, and over said hooks and beneath said bars, for double wave formations.

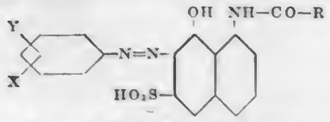
2,068,171
BREATHING DEVICE
Edward Bell Fishburne, Anniston, Ala.
Application December 16, 1935, Serial No. 54,757
3 Claims. (Cl. 128—145)



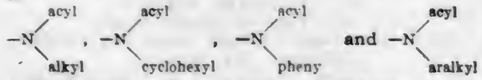
1. A blank for forming a breathing device to be applied to the nose, said blank having pairs of folding lines for dividing the blank into an inner side section, intermediate side sections and outer side sections, the outer side sections being cut away to provide a nose receiving opening, the blank further comprising a lip-engaging flap secured to the inner side section.

2,068,172
MONO-AZODYESTUFFS
Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 11, 1934, Serial No. 757,070. In Germany December 23, 1933
2 Claims. (Cl. 260—92)

1. Monoazodyestuffs of the general formula



wherein X is selected from the group consisting of



Y is selected from the group consisting of hydrogen, methyl, chlorine and a sulfonic acid group and R is selected from the group consisting of methyl, methoxymethyl, phenoxymethyl and phenyl, which dyestuffs are when dry reddish water soluble powders and dye the animal fibers bluish red shades of a very good leveling power and fastness to light.

2,068,173
RESILIENT COMPRESSION ANNULUS
Albert Galvès, Oran, Algeria
Application October 25, 1934, Serial No. 750,012
In France December 5, 1933
1 Claim. (Cl. 128—79)



A device of the character described comprising an elastic annulus of tubular cross-section and a relatively rigid segment positioned within said annulus and having a portion intermediate its ends bulged outwardly of the annulus to accommodate a projection on an organ to which the device is to be applied, said segment being formed of malleable material to enable the segment to be manually deformed while in the annulus to vary the contour of said outwardly bulged portion.

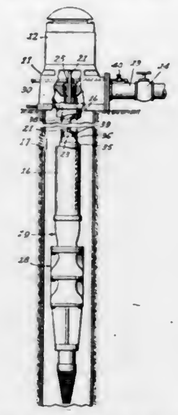
2,068,174
HAIR WAVING METHOD
Paul Gustave Gaire, New York, N. Y.
Application July 16, 1934, Serial No. 735,499
1 Claim. (Cl. 132—36)



A method of curling hair, consisting in arranging the hair in the form of a curl, completely enclosing the curled hair by a pad containing heat liberating chemicals and including a completely impervious envelope, forming an opening in the envelope to permit the introduction of water within the envelope to saturate the pad following the application of the pad to the curl of hair, the opening in the envelope being formed at a point farthest from the head of the patient, introducing water into the opening to saturate the pad, and enclosing the curl and surrounding envelope to prevent escape of the heat, whereby the water necessary to develop the heat in the pad is absolutely prevented from reaching the curl of hair or the head of the patient.

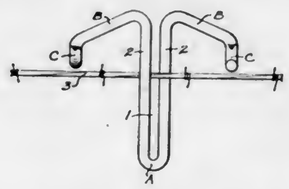
2,068,175
MEANS FOR LUBRICATING A DEEP WELL PUMP
James M. Hait, Los Angeles, Calif., assignor to Food Machinery Corporation, a corporation of Delaware
Application April 29, 1935, Serial No. 18,821
11 Claims. (Cl. 184—6)

1. In combination with a vertical well pump having a bowl assembly, a line shaft, and a shaft enclosing tubing: means for delivering lubricant into the top of said enclosing tubing; a lubricant retaining chamber situated at the bottom portion of said enclosing tubing and in open communication therewith for accumulating a substantially static body of lubricant therein; and conduit means separate from said enclosing tub-



ing for delivering pressure fluid into the bottom portion of said retaining chamber to force lubricant contained therein to the surface of the ground.

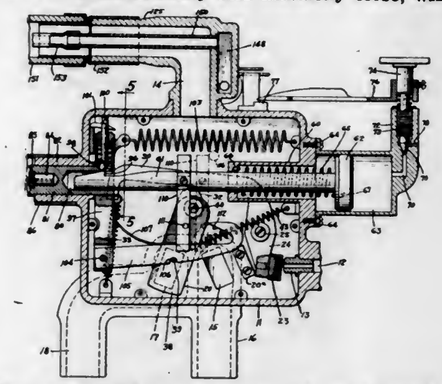
2,068,176
WIRE TIGHTENING CLIP
Clarence E. Hedrick, Newton, Kans.
Application November 22, 1935, Serial No. 51,017
2 Claims. (Cl. 140—123.5)



1. In a wire tightening clip of the class described, comprising a structure made from a single piece of wire consisting of a U shaped member, the legs of which are in parallelism, and an outer portion of each leg having an abrupt bend from each other, and the bent portion obliquely extending toward the U shaped portion, the terminating end of the last said portions having a hook formed thereon, the said hooks in parallelism with each other, and turned in opposite directions to engage on a wire when wound on the U shaped portion to avoid unwinding of the wire.

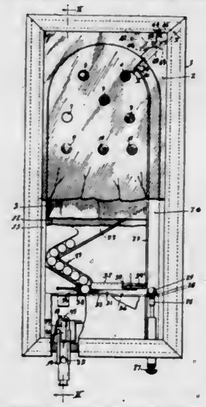
2,068,177
ANESTHETIZING APPARATUS
Walter R. Henion, Minneapolis, Minn.
Application April 13, 1933, Serial No. 665,897
24 Claims. (Cl. 128—203)

1. In combination with a machine for supplying inhalation fluids, a breathing tube for the patient, an automatically closing valve for controlling delivery of the fluid from the machine to the tube, means manually operable by a patient for controlling the valve to open it and hold it open and timing means adapted at the end of a timing period to annul the controlling action of said manual means and permit the valve to automatically and instantly close, while



the valve-hold-open action of said manual means continues.

2,068,178
MARBLE SHIFTING MECHANISM FOR GAME BOARDS
Donald E. Hooker, Los Angeles, Calif., assignor of one-half to Joseph Vierling, Jr., Los Angeles, Calif.
Application July 14, 1934, Serial No. 735,185
19 Claims. (Cl. 273—121)

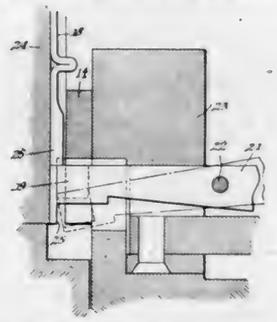


1. In a marble game board device of the type having a playing deck, a runway leading to the deck through which marbles may be projected onto the deck, a reservoir below the deck for containing marbles to be played and a projector in said runway for projecting marbles through said runway onto said deck; means for transferring marbles one at a time from said reservoir to said runway, and means responsive to ejection of a marble from said runway to said deck for actuating said first means, whereby another marble is automatically transferred from said reservoir to said runway.

2,068,179
KNITTING MACHINE
Harry S. Horrocks, Philadelphia, Pa., assignor to H. Brinton Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 25, 1932, Serial No. 630,461
1 Claim. (Cl. 66—50)

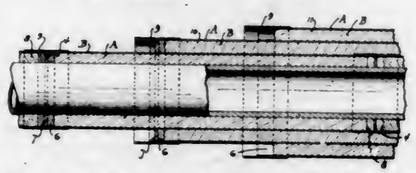
In a knitting machine, a slotted needle cylinder, needles in the slots of said cylinder, said

needles having butts, a set of needle cams including a stitch cam, a cam for elevating the needles, a design wheel approximately parallel to the needle raising edge of said needle elevating cam for selectively elevating needles by engagement with said butts, a nullifying cam movable up and down directly below said wheel,



the shanks of the needles being solid from the bottom end nearly to said butts and being enlarged so as substantially to fill the needle slots and thus to provide a wide flat bottom face on a needle for engagement by said nullifying cam, and the walls of the needle slots being radially reduced in the zone of operation of said nullifying cam.

2,068,180
INSULATING MATERIAL AND METHOD OF APPLYING AND SEALING THE SAME
William H. Horsman, San Francisco, Calif.
Application October 23, 1935, Serial No. 46,319
4 Claims. (Cl. 154—44)



1. An insulating cover of the character described comprising a flexible elongated tubular member split at one side from end to end, said tubular member consisting of an inner layer of hair felt and an exterior layer of air and moisture proof material, said material being provided with a flap to cover the split extending longitudinally of the tube and having an extension at one end to form an annular end chamber for the reception of a sealing medium and packing member only.

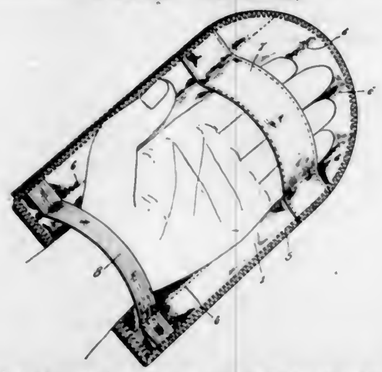
2,068,181
PROCESS AND APPARATUS FOR DRYING PLASTIC MATERIALS
Alpheus O. Hurxthal, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application May 14, 1935, Serial No. 21,440
12 Claims. (Cl. 34—4)

1. A drier for plastic materials, comprising a heated drum provided with continuous circumferential grooves having imperforate bases and inwardly convering side walls disposed at an angle to each other from the bases to the tops of the respective grooves, means for initially pressing said material into said grooves and into contact with the walls thereof, and means for maintaining said material in contact with said walls.



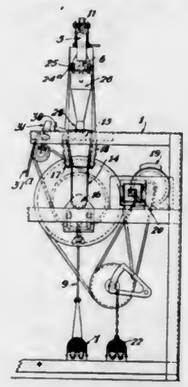
11. The process of drying plastic material which consists in pasting the material into suitable cavities of predetermined uniform cross-section, heating the walls of said cavities to drive out moisture from and to set the shape of the material into pieces having a uniform cross-section corresponding to that of said cavities, repressing the material in said cavities to insure intimate contact between the material and the heated walls of said cavities when the material loses contact with said walls as by the escape of generated vapor from the material and the shaping cavities, maintaining the pieces in intimate contact with the heated walls of the cavities during said setting, removing the set pieces from said cavities, and subsequently drying the set pieces in the presence of a circulating drying medium.

2,068,182
HAND COVERING
Frank S. Jackson, Washington, Ohio
Application April 25, 1935, Serial No. 18,199
1 Claim. (Cl. 2—20)



A hand covering comprising a flexible body consisting of front and rear layers of thin flexible fabric and an intermediate layer of flexible heat insulating material, rows of stitching extending longitudinally of the body for the full length thereof in transverse spaced relation to each other, the body being of a length and width adapting it to cover a person's entire hand with its rear portion extending in covering relation to a person's wrist and its front end portion projecting beyond ends of the fingers, a forward strip of flexible inelastic material extending transversely across the body in spaced relation to the front end thereof with its end portions secured flat against marginal portions of the body and the intermediate portion of the strip free, and a rear strip of elastic flexible material extending transversely across the body in spaced relation to the rear end thereof with its intermediate portion free whereby a hand may be thrust longitudinally of the body between the body and the strips towards the front end of the body to dispose the front strip across a person's fingers and the rear strip across a person's wrist and hold the body in shielding relation to the wrist and the entire hand with the thumb free and forward portions of the fingers projecting forwardly from the front strip and free.

2,068,183
MEANS FOR APPLYING ADHESIVE TO FABRICS AND THE LIKE
Lazarus Kay, Cheetham, Manchester, England
Application February 8, 1936, Serial No. 62,980
In Great Britain February 6, 1935
3 Claims. (Cl. 91—43)



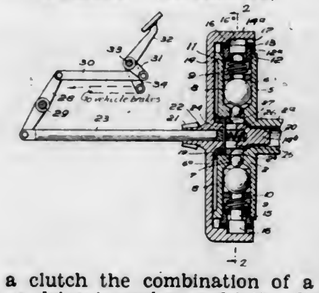
1. In a machine for smearing fabrics with rubber solution, a solution container with a thin flat apertured floor part adapted to be pressed firmly on to the fabric, a thin sliding plate in the container, lying on and adapted to be moved to and fro over the floor part to open and close the aperture, means connected to such plate and extending through one side wall of the container whereby such movement may be imparted to it, and a scraper or doctor also within the container for cleaning the upper face of the sliding plate as it is moved to and fro.

2,068,184
PULLER FOR AXLE SHAFTS AND THE LIKE
William E. A. Knopp, Milwaukee, Wis.
Application February 28, 1936, Serial No. 66,301
3 Claims. (Cl. 294—100)



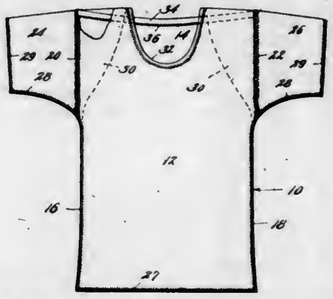
1. A device of the character described for gripping an end of a substantially cylindrical rod or the like, said device comprising a clamping sleeve adapted to assume a position circumposed on the end of the rod or the like, spring arms lying within said clamping sleeve and interposed between opposite sides of the clamping sleeve and corresponding opposite sides of the end of the rod, tubular means on which said arms are mounted, and a plunger working in said tubular means and having a head engageable with the clamping sleeve for forcing the clamping sleeve along the rod end in a direction to compress the said arms in engagement with the said opposite sides of the rod end.

2,068,185
AUTOMATIC CLUTCH
Fritz Kreis, Nuremberg, Germany
Original application February 4, 1935, Serial No. 4,925. Divided and this application October 9, 1935, Serial No. 44,273. In Germany October 7, 1933
9 Claims. (Cl. 192—.01)



1. In a clutch the combination of a driving member, a driven member, a friction lining between the two members, radially disposed guides in the driving member, sliding sleeves in the said guides in contact with the lining, locking members in the said sleeves adapted to engage the driven member, means for resisting the movement of the locking members with respect to the sleeves, centrifugal weights in the driving member in engagement with the locking members and adapted to resiliently press the lining against the driven member and to move subsequently the locking members into engagement with the said driven member and means for independently moving the centrifugal weights into the position of positive drive connection between the said members.

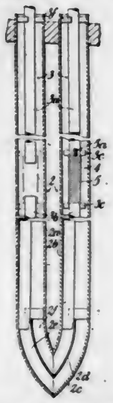
2,068,186
GARMENT
Joseph H. Le Coney, Bedford, Mass., assignor to Earnshaw Knitting Company, Newton, Mass., a corporation of Massachusetts
Application June 8, 1935, Serial No. 25,665
3 Claims. (Cl. 2—111)



1. In a garment, a cylindrical trunk portion of knitted material having arm openings and comprising a forepart and a back part, said forepart having a triangular flap extension on each side overlapping an upper side portion of said back part and having its outer edge secured to the side edge of said back part along said arm opening, the inner edge of said flap being free and unattached to provide an expansible neck opening and said back part having an approximately straight edge extending from the top of one arm-hole to the top of the other arm-hole, said upper edge being provided with an elastic band folded upon itself along a median longitudinal line to form a

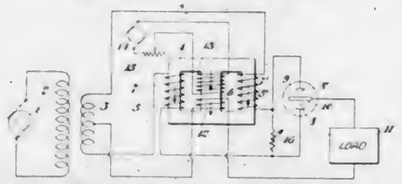
double thickness, the upper edge of said back part being inserted between the two folds of said band and stitched thereto by elastic stitching and the two ends of said band being fastened at the top portions of said arm-holes for holding said expansible neck opening in a normally closed position.

2,068,187
HEAT TRANSFER APPARATUS APPLICABLE TO WATER TUBE BOILERS
William Yorath Lewis, St. John's Wood, London, England
Application February 18, 1935, Serial No. 7,091
In Great Britain February 21, 1934
20 Claims. (Cl. 122—312)



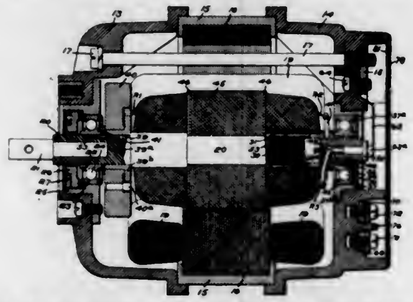
1. A U-Field-tube heat-transfer unit comprising a U-tube having a bend at that part remote from the ends of its legs, a diaphragm running longitudinally round said bend to provide separated ducts in said bend and at least one inner tube inserted in said U-tube and operatively aligned with one of said ducts.

2,068,188
ELECTRIC CONTROLLING APPARATUS
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application August 3, 1932, Serial No. 627,326
19 Claims. (Cl. 175—363)



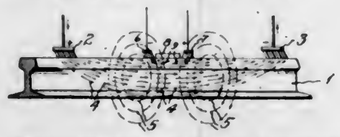
10. The combination of a reactor having windings thereon adapted to be supplied from an alternating potential source and having the flux due to said windings passing in a common direction in part of the reactor core, rectifying means receiving energy from said windings and supplying energy to a consumption circuit, a winding on said reactor supplied with direct current and related to have its flux opposed to that of said first-named windings, means for adjusting the current in said direct current winding to control the output to the consumption circuit, an impedance device connected in shunt around said rectifying means for passing current through said first-named windings for affecting the flow of current through said rectifier when said windings become active respectively in delivering current to the consumption circuit, and a winding on said reactor and in series in the consumption circuit affecting the flux created by said direct current winding, the flux of said last named winding acting cumulatively with that of said direct current winding.

2,068,189
ELECTRIC MOTOR AND THE LIKE CONSTRUCTION
Samuel N. Mead, Amesbury, Mass., assignor to Chas. J. Henschel & Co., Inc., Amesbury, Mass., a corporation of New York
Application March 13, 1936, Serial No. 68,677
6 Claims. (Cl. 172—36)



1. In an electric motor and the like having a plural-phase rotor winding, in combination, a non-conducting frame supporting a stator element, a rotor shaft having non-conducting bearing portions, ball-bearing units on the frame respectively receiving said bearing portions of the rotor shaft, a magnetic element and a plurality of rotor coils on the shaft, lead-out terminals on the frame, and electrical connections between an end of one rotor coil and one ball-bearing unit, between an end of another rotor coil and a second ball-bearing unit, and between the respective ball-bearing units and the corresponding lead-out terminal, for establishing electrical circuits for said rotor coils through and by means of the ball-bearing units themselves.

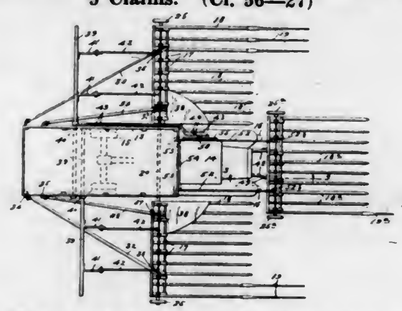
2,068,190
ELECTRICAL APPARATUS
Joseph P. Muelleman, Chicago, Ill.
Application February 17, 1934, Serial No. 711,747
9 Claims. (Cl. 175—183)



1. In electrical apparatus for electromagnetically detecting internal flaws in the structure of elongated electrically conducting material, the combination of contacting means for passing an electric current of a certain magnitude substantially longitudinally through a section of said conducting material, an electromagnetic pick-up element adapted to be carried along surfaces of said conducting material, means for passing a second electric current of a magnitude smaller than that of said first current through a section

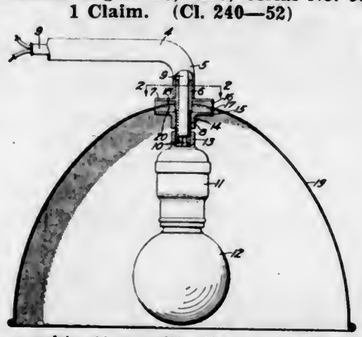
directly beneath said pick-up element of said conducting material for neutralizing the effects of said first current directly beneath said pick-up element, and indicating means coupled to said pick-up element.

2,068,191
TRACTOR SWEEP RAKE
Joseph E. Murphy, Minneapolis, Minn.
Application December 5, 1935, Serial No. 52,983
5 Claims. (Cl. 56—27)



1. The combination with a tractor, of a cross beam rigidly secured to the tractor frame and projecting at the side thereof, a rake having a back with permanently secured forwardly projecting tines located below the projecting end of said cross beam, a link suspending the inner end of said rake back from the projecting end of said beam, a ground-engaging wheel journaled to the outer end of said rake back, oblique thrust-acting push bars connecting the lower portion of said rake back to the side of the tractor frame, and operating connections for oscillating said rake back on said link and supporting wheel to raise and lower the tines thereof.

2,068,192
REFLECTOR MOUNTING
James J. O'Neill, Oakland, Calif.
Application August 26, 1935, Serial No. 38,007
1 Claim. (Cl. 240—52)



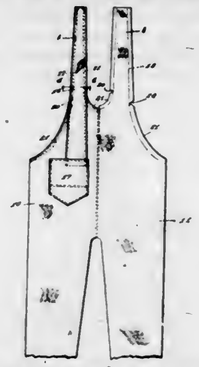
The combination, with the supporting structure of a lamp provided with a reflector having a curved surface thereon provided with an elongated aperture and a threaded stem passing through said aperture, of a flange fixed to said stem, a nut threaded on said stem and provided with a flange facing said fixed flange, and a pair of washers rotatably mounted on said stem between said flanges, said washers having plane surfaces contacting said flanges and opposed correlated curved surfaces spaced apart to provide a space in which said curved surface of the reflector is slidably mounted.

2,068,193
NOZZLE ATTACHMENT
Oscar W. Overhuls, Delta, Colo.
Application March 15, 1935, Serial No. 11,271
2 Claims. (Cl. 299—107)



1. The combination with a garden hose and a nozzle thereon, said nozzle having a discharge sleeve provided with a flared exit end and a tapered shoulder in rear of the flared exit end, of an open ended flexible tube snugly embracing the tapered portion of the shoulder and projecting beyond the discharge end of the nozzle for such a distance as will produce the results described.

2,068,194
OVERALL CONSTRUCTION
Edwin L. Patrick, Indianapolis, Ind., assignor to C. B. Cones & Son Mfg. Co., Indianapolis, Ind., a corporation of Indiana
Application January 21, 1935, Serial No. 2,653
2 Claims. (Cl. 2—230)



1. In an overall, a back of textile material cut at its upper end to provide two shoulder straps, the bases of said straps being located above the waist of the overall, and a strap-reinforcement of textile material secured to each of said straps and to said back, each reinforcement being of substantially the same width as its associated strap throughout the length of said strap and extending upwardly to the end of the associated strap and downwardly on said back, notches in the edges of said back where such edges meet the edges of such strap-reinforcement, seams at the edges of said strap-reinforcement and hems at the edges of said back below said meeting points, both formed by folding edge-material under, and hems at the edges of the reinforced shoulder straps formed by folding over the marginal edges of said back-material above said notches and folding under the marginal edges of said strap reinforcements whereby said marginal edges are disposed between the strap and its reinforcement and may be held in place by common stitching.

2,068,195
HAIR SLIDE
Bohumil Polák, Prague, Czechoslovakia, assignor to The Firm Grodetzky & Polák, Prague VIII, Czecho-Slovakia
Application November 12, 1935, Serial No. 49,379
In Czechoslovakia May 2, 1935
2 Claims. (Cl. 132—31)

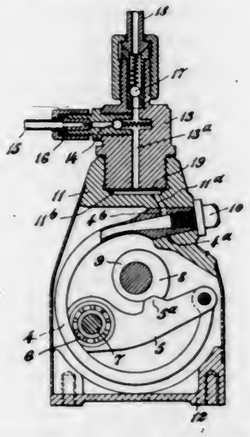
2. In a hair slide comprising an upper member of channel-shaped cross section and a lower

member, the side walls of the upper member being indented along their free edges, the combination of the margins of the bottom of the



upper member springing inwards to form hollow rib-like edges stiffening the bottom of the upper member.

2,068,196
PUMP
George William Rawlings, Park Hill, Kenilworth, England
Application July 10, 1935, Serial No. 30,606
In Great Britain December 14, 1934
3 Claims. (Cl. 103—44)



1. A pump comprising a tube, means for effecting an alternate flexing, bending or twisting of the said tube so as to engender a pumping effort by varying the contained volume of the bore of said tube, a pumping chamber, a pump body having therein a passage placing the said chamber in communication with a source of supply and with a discharge line and with an orifice opening into the pumping chamber, valve means for controlling the supply of liquid to said passage and the discharge of liquid therefrom, a mercury filling for said tube free from air, a resilient diaphragm dividing the pump chamber into two parts one of which is in communication by way of the aforesaid orifice with the passage in the pump body and the other part of which is in communication with the tube and is filled with mercury, said diaphragm normally occupying the position in which the volume of the pumping chamber is slightly in excess of the maximum volume of liquid required to be ejected at a delivery operation and under the influence of the pressure generated in the tube closing the aforesaid orifice to effect an abrupt termination of a discharge operation.

2,068,197
PRODUCTION OF BETA-BRAZIN-5,11-DIONE
Curt Schuster and Franz Broich, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 28, 1934, Serial No. 746,011. In Germany October 7, 1933
6 Claims. (Cl. 260—54)

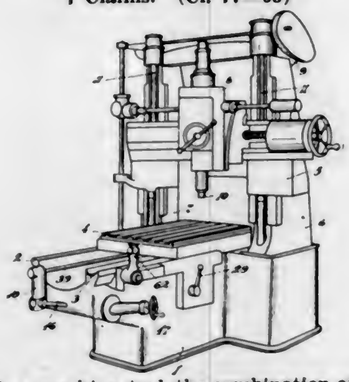
1. The process of producing beta-brazin-5,11-dione which comprises treating beta-naphthylenephenylene oxide with an oxidizing agent selected from the group consisting of the oxidizing compounds of chromium, oxygen and the higher oxides of nitrogen.

2,068,198
ROLLER BEARING
Frederick G. Seifarth, Chicago, Ill.
Application March 19, 1932, Serial No. 599,960
32 Claims. (Cl. 308—214)



1. An anti-friction unit for a bearing device, comprising a retaining member formed with a plurality of pockets having plane wall portions, a plurality of substantially cylindrical shaped roller members positioned within said pockets and having plane end portions contacting said plane wall portions, said members having a rolling surface disposed in spaced relation to said retaining member and surface portions angularly disposed in relation to said rolling surface, and guide portions on said retaining member cooperating with said angularly disposed surface portions only for guiding said anti-friction members.

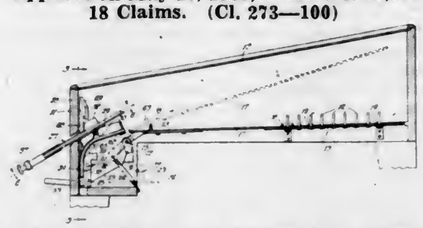
2,068,199
PRECISION MACHINE TOOL
Léon Seletsky, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a corporation of Switzerland
Application March 13, 1935, Serial No. 10,939
In Germany March 24, 1934
7 Claims. (Cl. 77—63)



1. In a machine-tool, the combination of a stationary member, a slidable member mounted for

movement therealong, a channel-shaped measuring scale carried by the slidable member for measuring the movements thereof, means for urging the scale against a face of the stationary member whereby the walls of the channel-shaped scale and said face of the stationary member form a closed chamber, and a resilient coupling means at one end of the slidable member for connecting the measuring scale to said slidable member to allow for relative linear expansion of the scale and slidable member.

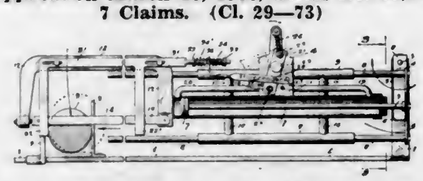
2,068,200
GAME
Walter M. Shetler, Chicago, Ill., assignor of one-half to Gordan Shetler, Chicago, Ill.
Application May 10, 1935, Serial No. 20,744
18 Claims. (Cl. 273—100)



1. A game of the class described comprising a supporting member having a plurality of pins projecting therefrom, a plurality of annular projectiles, a relatively narrow magazine therefor for retaining the projectiles on their edge portions in substantially upright position, a projector, means including an inclined guide for conveying the projectiles from said magazine to said projector, a projectile supporting plate having apertures formed therein adapted to receive said pins, said plate and pins being relatively movable for removing the projectiles from said pins and directing the return of said projectiles by gravity to said magazine.

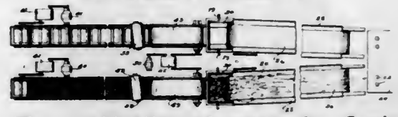
15. A ring handling device comprising a frame, a plurality of rings, a magazine therefor mounted in said frame and having a discharge opening, a movable stop member adjacent said opening for retaining the rings in said magazine, a retaining pawl adjacent said discharge opening and adapted to extend into said magazine to engage a superposed ring therein, and means operatively related to said stop member and pawl for moving the pawl from said magazine to release the ring engaged by said pawl.

2,068,201
POWER SAW
Douglas W. Shurtz, Modesto, Calif.
Application March 16, 1936, Serial No. 69,120
7 Claims. (Cl. 29—73)



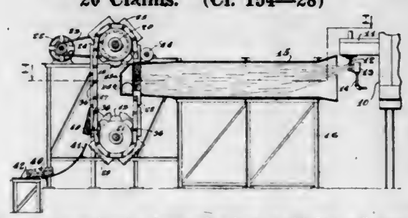
6. A power saw comprising the combination with a saw and reciprocating means therefor of tripping means for controlling said reciprocating means and arranged at each end of said saw and actuated by impact with a work piece when the end of said saw reaches said work piece to automatically adjust the length of a saw stroke to said work piece, regardless of the size of any work piece within the length of said saw.

2,068,202
MANUFACTURE OF GLASS WOOL
Donald C. Simpson, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application November 29, 1932, Serial No. 644,814
Renewed March 25, 1936
14 Claims. (Cl. 154—27)



1. The combination of means for flowing a stream of molten glass, a blower arranged to blow the glass and reduce it to filaments, means for receiving said filaments and accumulating them to form glass wool, a vertically disposed chute, means for directing said wool into the upper end of the chute, a horizontally traveling conveyor beneath the chute, individual holders arranged in a row on said conveyor and traveling therewith, said holders being carried in succession to a receiving position beneath and in alignment with the chute and each receiving a quota of said wool, the lower open end of the chute being substantially coextensive laterally with the holder therebeneath and in close proximity thereto while the holder is in said receiving position, and means for compressing the wool within said holders as they travel with the conveyor, said compressing means comprising an endless belt having a downwardly and forwardly inclined lead arranged over the conveyor in position to bear on said mass and advancing with said conveyor.

2,068,203
METHOD AND APPARATUS FOR MANUFACTURING AND FABRICATING GLASS WOOL
Donald C. Simpson, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application October 27, 1933, Serial No. 695,432
Renewed March 25, 1936
20 Claims. (Cl. 154—28)

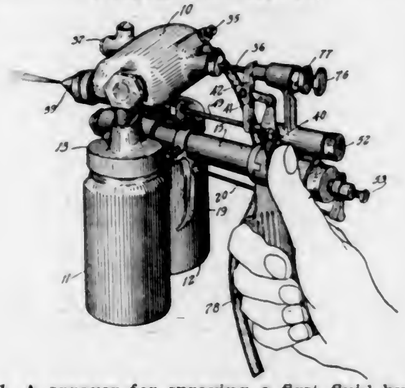


1. The method of producing articles of predetermined size and shape consisting of matted fibrous material, which comprises directing a blast of gas against a supply of said material while the latter is in a liquid or semiliquid condition and thereby drawing the material out into threads or filaments, enclosing said material in a conduit through which the material is blown during said drawing operation, causing the filaments to solidify while being carried with the blast through the conduit, causing a series of containers to move in succession across the conduit and causing the blast to extend from the conduit through each container as it moves across the conduit while arresting the material as it enters the container and thereby causing the material to accumulate in matted form within the containers, forming mats of predetermined size and shape, and removing the mats thus formed from the containers.

2,068,204
INDELIBLE INK
Burgess W. Smith, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
No Drawing. Application December 7, 1934, Serial No. 756,532
14 Claims. (Cl. 134—32)

9. An indelible and fraud preventing ink for use on paper comprising a fluid aqueous solution containing a water soluble leuco ester salt of a vat dye dissolved therein, the aqueous vehicle constituting at least the principal liquid vehicle of the ink.

2,068,205
ELECTRIC SPRAY GUN FOR SHELLAC, PAINTS, ETC.
Elmer A. Steckel, Jr., and Elmer H. Bridenbaugh, Denver, Colo.; said Bridenbaugh assignor to said Steckel
Application September 16, 1935, Serial No. 40,735
9 Claims. (Cl. 299—87)



1. A sprayer for spraying a first fluid by vaporizing a second fluid comprising: a generating compartment; a first container for said first fluid; a second container for said second fluid; an electrical heating element in said compartment; an atomizing nozzle; means for conducting said first fluid to said nozzle; means for forcing said second fluid into said compartment so that it will be vaporized by said heating element to create a pressure; and a conduit for conducting the vaporized second fluid from said compartment to said nozzle for spraying said first fluid from said nozzle.

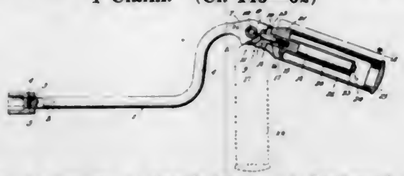
2,068,206
BISMUTH SALTS OF ARSENO COMPOUNDS AND A PROCESS OF PREPARING THEM
Karl Streitwolf, Frankfort-on-the-Main, Alfred Fehrle, Bad Soden-on-the-Taunus, and Walter Herrmann, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 20, 1932, Serial No. 612,632. In Germany June 11, 1931
12 Claims. (Cl. 260—15)

1. The process which comprises causing an aqueous solution of a bismuth salt of a strong inorganic acid to act upon an aqueous solution of a compound of the following formula:

$$X—As=As—Y\cdot O\cdot CH_2\cdot COOZ$$

wherein X and Y are radicals selected from the group consisting of radicals of the benzene and benzene imidazole series and radicals of the benzene and benzene imidazole series substituted by a substituent selected from the group consisting of hydroxyl, chlorine, methyl and acetylamino, and Z stands for an alkali metal.

2,068,207
WRENCH
John E. Torbert, Jr., National City, Calif.
Application July 16, 1935, Serial No. 31,673
1 Claim. (Cl. 145—62)

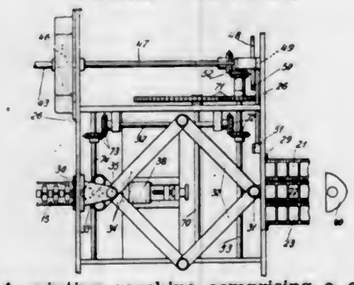


In a wrench, a shank having a flattened rear end portion providing a mounting block, a yoke straddling the mounting block and having a rearwardly extending mounting shank circular in cross section, a pin extending through the yoke and the mounting block to pivotally connect the yoke with the mounting block, a hollow cylindrical handle open at its rear end and having a solid forward portion and an inner tubular bearing sleeve extending rearwardly therefrom and fitting snugly about the mounting shank to rotatably mount the handle thereon, the forward end of said handle defining a flat annular shoulder abutting said yoke, a screw threaded into the rear end of said mounting shank, a washer fitting about said screw and engaging the rear ends of the mounting shank and the sleeve to hold the sleeve upon the mounting shank, and a detachable cap for closing the rear end of said handle.

2,068,208
ELECTRICAL INSULATION
Bailey Townshend, Westfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 18, 1935, Serial No. 2,451
3 Claims. (Cl. 106—12)

1. Electrical insulation comprising fibres of the type of chrysotile asbestos and the insoluble product of the reaction of a water-soluble soap with the said fibres, the said product being distributed substantially uniformly over the fibres.

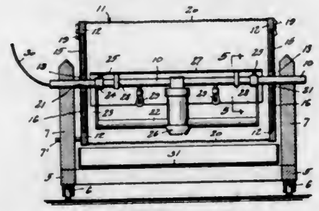
2,068,209
APPARATUS FOR OBTAINING FILMS FOR CINEMATOGRAPHIC PROJECTION IN COLORS
Auguste Valentin and Laurent Bassani, Paris, France
Application April 4, 1935, Serial No. 14,698
In France April 14, 1934
2 Claims. (Cl. 88—24)



1. A printing machine comprising a carriage for negative films, a carriage for a positive film,

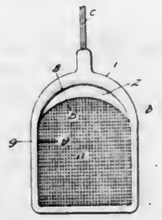
a fixed objective situated between said carriages, means for displacing one of said carriages, means for connecting said carriages, said means comprising levers with unequal arms articulated together and forming two parallelograms having a common summit and respectively attached by their opposite summits to said carriages.

2,068,210
COMBINED BROODER, FEEDER, AND EXERCISER
Myrtle B. Walker, Perry, S. C.
Application October 11, 1935, Serial No. 44,575
6 Claims. (Cl. 119—33)



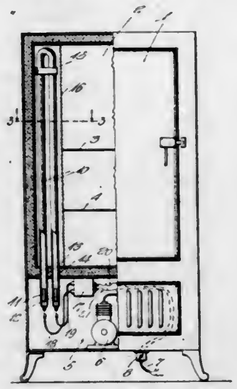
1. A combined brooder, feeder and exerciser, comprising a supporting structure, a shaft carried thereby and held against turning movement with relation thereto, a rotatable drum mounted upon the shaft to turn with relation thereto, a feed trough arranged within the drum, an arm carrying the feed trough, and means for adjustably connecting the arm with the shaft and to clamp the arm to the shaft in a selected adjusted radial position.

2,068,211
FLY SWATTER
James G. Wasson, Baltimore, Md., assignor to Gatch Brush & Wire Goods Company, Baltimore, Md., a corporation of Maryland
Application December 31, 1934, Serial No. 760,005
1 Claim. (Cl. 43—137)



In a fly swatter, a blade comprising a reticulated body and a frame enclosing the margins of the body, said frame composed of various pieces of textile fabric thinly rubberized on both sides and comprising a binding strip extending along the forward end and lateral edges of the body, constituting a layer on each side of the body adhesively secured to the body by the rubber on the fabric, and a thickened portion at the handle end of the blade composed of a plurality of layers of said fabric adhesively secured to one another and to the body by the rubber on the fabric, and a handle having one end embedded in said thickened portion, the said parts of the frame being permanently united by pressure and vulcanization into a one-piece frame having a rubber coated exterior.

2,068,212
IRRADIATING MECHANICAL REFRIGERATOR
Stewart C. Whitman, New York, N. Y.
Application October 22, 1932, Serial No. 639,142
Renewed June 15, 1936
9 Claims. (Cl. 99—247)



8. In an irradiating mechanical refrigerator, a heat-insulated storage chamber, a working chamber, a plurality of substantially horizontal stationary treating shelves in said storage chamber for carrying material to be refrigerated and irradiated, a mechanical refrigerating system contained in said storage chamber and said working chamber, a stationary gas discharge tube generating ultra-violet radiation having a long central portion inside said storage chamber extending substantially vertically transversely of said shelves and also having a plurality of terminal portions each provided with actuating electrodes, said tube being formed of glass which will obstruct substantially all radiation shorter than 2800 Angstrom units, said tube being mounted so that said central portion is inside said storage chamber and said terminal portions are outside said storage chamber, and means for applying actuating potential to the electrodes of said terminal portions.

2,068,213
DEVICE FOR APPLYING THIN LAYERS OF LIQUIDS
John Marshall Wilson, Craigiehall, Dumbreck, Glasgow, Scotland
Application July 21, 1936, Serial No. 91,781
In Great Britain October 3, 1935
1 Claim. (Cl. 15—134)



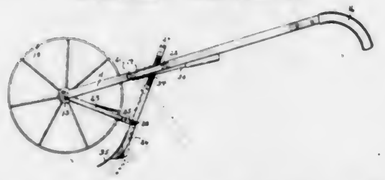
A device for applying thin layers of liquids comprising a receptacle, a hollow flexible cap adapted to fit over the mouth of said receptacle and to be in unrestricted communication with the contents of said bottle, at least one flat face on said cap, a slit in one flat face of said cap adapted to be opened on bending the end of said cap, and a covering of flexible material on at least one of said flat faces, the said slit being left uncovered by said material so as to deliver the said liquid on to the flexible material.

2,068,214
LOOSE LEAF CALENDAR
Orion P. Winford, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application March 6, 1933, Serial No. 659,694
9 Claims. (Cl. 40—121)



1. A loose leaf calendar including, a back, a binder member mounted at the upper edge of said back adapted to support a series of loose leaf sheets, each sheet having indicia at the top thereof to represent one or more months of the year, a pocket on the lower portion of each of said sheets formed as a part thereof, a calendar on said pocket, and means for supporting said sheets freely removable in their entirety.

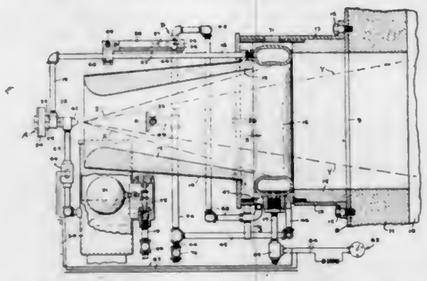
2,068,215
ADJUSTABLE EARTH IMPLEMENT
Chester A. Winters, Lynnville, Iowa
Application January 20, 1936, Serial No. 59,864
5 Claims. (Cl. 97—59)



1. In a device of the class described, a frame having two spaced apart bars, a means for supporting one end of said frame, a bracket element having its front end hingedly secured to said frame, a post element hingedly secured between its two ends to said bracket member and having its upper end portion loosely extending between said two bars of said frame, and a lever bar hinged at one end to said frame and capable of being manually swung to a position between said two bars of said frame for wedging said post element against movement between said two bars of said frame.

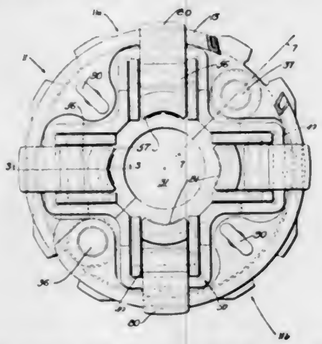
2,068,216
OIL BURNER
Horace E. Woolery, St. Paul, Minn.
Application October 31, 1934, Serial No. 750,833
10 Claims. (Cl. 158—73)

1. An oil burner comprising a housing, a steam generator disposed within the housing and having an opening for passage of a constricted burner flame therethrough, a fuel oil injector at one end of the housing for producing an oil spray which upon combustion will produce a flame for impingement against the generator, said injector communicating with the generator to receive steam under high pressure therefrom to atomize the oil, and means for constricting the oil spray



so that the flame thereof will be diverted from direct contact with the generator and pass through the said opening therein.

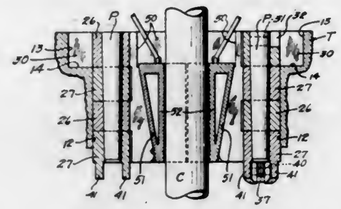
2,068,217
AUTOMATIC DRILLING SPIDER
Walter A. Abegg, Los Angeles, Calif., assignor of one-half to Baldwin Reinhold, Los Angeles, Calif.
Application August 19, 1935, Serial No. 36,847
3 Claims. (Cl. 24—263)



3. In a rotary well drilling apparatus an automatic drill spider comprising a spider member adapted to be operatively positioned with relation to a rotary table, a plurality of drill slips vertically slidable with relation to said spider member, a lifting ring engaging each of the drill slips to move the same, operating means engaging the lifting ring to raise and lower it, said spider and ring each being formed in two complementary sections whereby said members may be disposed in an embracing position around a drill string or the like to be gripped, means articulately connecting contiguous ends of said spider and ring sections, and guide means whereby the ring sections and their complementary spider sections will swing in unison and may be simultaneously manipulated.

2,068,218
ROTARY TABLE BUSHING
Walter A. Abegg, Los Angeles, Calif., assignor of one-half to B. Reinhold, Los Angeles, Calif.
Application April 4, 1936, Serial No. 72,746
14 Claims. (Cl. 255—23)

14. In a rotary table bushing, a plurality of bushing parts forming a unitary bushing adapted exteriorly to fit a rotary table and interiorly to take pipe engaging members, releasable means for interconnecting the bushing parts, and means

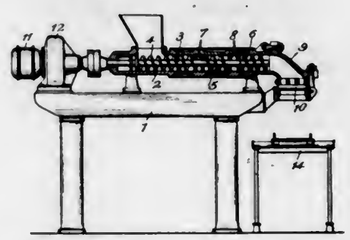


on one of the bushing parts adapted for releasing said interconnecting means.

2,068,219
WATER-RESISTANT PRODUCT AND METHOD OF MAKING THE SAME
Marion S. Badollet, Fanwood, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 14, 1933, Serial No. 666,225
4 Claims. (Cl. 91—68)

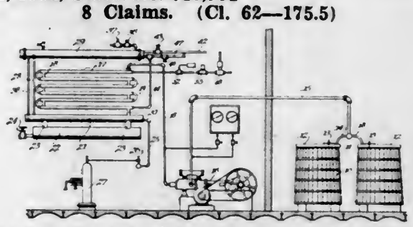
1. A water-resistant composition of matter comprising fibers and an insoluble soap disposed on the surface portions of the said fibers and integrally united thereto, the said fibers being selected from a group consisting of chrysotile asbestos, tremolite, activated crocidolite and activated amosite.

2,068,220
MACHINE FOR PRODUCING FOODSTUFFS MADE OF DOUGH
August Baechi, Niederuzwil, Switzerland, assignor to the firm Gebrüder Bühler, Uzwil, Switzerland
Application April 27, 1934, Serial No. 722,784
In Germany May 3, 1933
1 Claim. (Cl. 107—14)



A machine for preparing the ingredients of dough into shaped dough bodies comprising, means for mixing the ingredients of the dough and for kneading the dough, said mixing and kneading means comprising an elongated casing, interiorly cylindrical and smooth, and divided transversely by a plurality of spaced partitions each containing a plurality of apertures, a longitudinally extending screw in said casing, and means for rotating said screw, said screw fitting said casing closely for preventing leakage of the material backwardly, whereby the ingredients of the dough are first mixed together, then subjected to gradually increasing pressure, subdivided into small streams with abrupt reduction of pressure, further gradual increase of pressure, further subdivision and sudden reduction of pressure.

2,068,221
GAS SEPARATION
Alvin H. Baer, Carbondale, Pa., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Virginia
Original application May 1, 1934, Serial No. 723,421. Divided and this application October 4, 1934, Serial No. 746,904
8 Claims. (Cl. 62—175.5)



7. A method for recovering a condensible gas from a mixture comprising compressing the mixture, cooling the compressed mixture by means of a fluid current to liquefy the gas to be recovered, permitting non-condensed gas to escape at a predetermined pressure, and automatically varying the flow of cooling fluid in accordance with the pressure of the non-condensed gas.

2,068,222
EMERGENCY REPAIR LINK
Joseph B. Bambenek, Dominic C. Bambenek, and Peter Worner, Winona, Minn., assignors to Peerless Chain Company, Winona, Minn., a corporation of Minnesota
Application June 6, 1936, Serial No. 83,918
11 Claims. (Cl. 152—14)

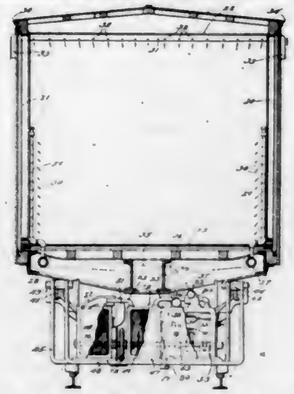


1. A repair link for tire chains having a pair of spaced ground-engaging and chain link protecting extensions, means connecting said extensions to form opposingly related chain-link receiving hooks, each extension being capable of passing through a corresponding chain link to assume hooked relation, and thereafter project within and outside of the end links of the chain which is being repaired.

2,068,223
REFRIGERATOR CAR AND THE LIKE
Thomas A. Banning, Jr., Wilmette, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application September 29, 1930, Serial No. 485,170
4 Claims. (Cl. 98—6)

1. A car having a longitudinally extending conditioned air duct, a series of vertically extending ducts located along the length of the car and each vertical duct having one end in communication with said longitudinally extending duct to receive conditioned air therefrom and having a delivery port adjacent to its other end, said port being located at least one half the height of the car interior above the floor of the car interior, there being an end partition at the end of each of said vertical ducts to prevent direct endwise discharge of air from said vertical ducts into the interior of the car body, and said delivery port reaching sidewise and downwardly with respect to the vertical axis of the duct, to

thereby ensure lateral and downward delivery of the conditioned air into the body portion of the car interior at a number of points along the



interior of the car body and at points at least one half the height of the car interior above the floor thereof, substantially as described.

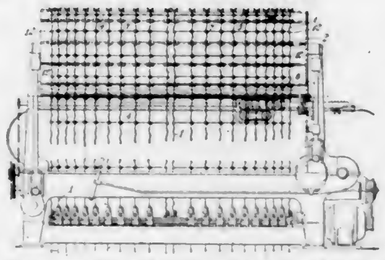
2,068,224

WIRE FABRIC MAKING MACHINE

Arthur Ernest Blashill, Withington, Manchester, England

Original application June 18, 1931, Serial No. 545,321, now Patent No. 1,996,061, April 2, 1935. Divided and this application January 14, 1935, Serial No. 1,797. In Great Britain June 24, 1930

6 Claims. (Cl. 140—11)



1. In a machine for forming wire fabric composed of wires secured together at their points of intersection by means of wire locks the combination therewith of means adapted to feed wire to the machine from which the wire locks may be formed, means for forming successive portions of this wire into staples, comprising a reciprocable slide and an anvil around which the portions of wire fed by the slides are formed into staples, said anvil having a cam surface adapted to be engaged by a cam surface on the said slide to cause the anvil to be retracted from the path of the slide.

2,068,225

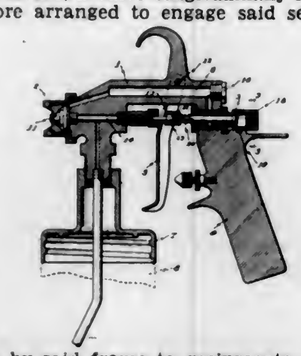
AIR VALVE FOR SPRAY GUNS

William R. Brown, Chicago, Ill.

Application December 16, 1935, Serial No. 54,691

3 Claims. (Cl. 251—134)

2. In a device of the class described, a frame, an adjustable valve housing secured in said frame and having a bore extending therethrough and having a valve seat, one end of said housing being provided with a head having a flattened face portion and the other end provided with screw thread means for securing said housing in said frame, a valve longitudinally movable in said bore arranged to engage said seat, means



carried by said frame to reciprocate said valve and a boss on said frame arranged to engage said face portion of said valve housing head to prevent unintended rotation of said valve housing.

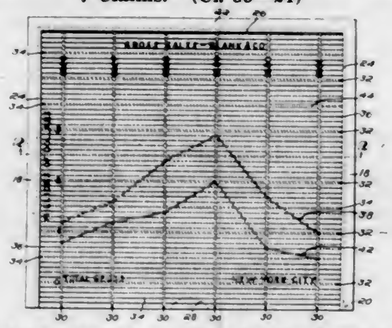
2,068,226

CHANGEABLE EXHIBITOR

Walter F. Buck, Brighton, Boston, Mass.

Application July 24, 1935, Serial No. 32,857

7 Claims. (Cl. 35—24)



1. An apparatus providing for the visual comparison under conditions of differential adjustment of graphical representations of data, comprising a support having an extended supporting surface presenting a background delineated substantially throughout its area with a multiplicity of crossed lines defining a coordinate reference system, a plurality of transpicuous plates substantially free of coordinate designation and having delineated on each thereof an isolated graph computed in accordance with said system and representing the fluctuations of a variable, and means on the support for positioning such plates superposed on said background to be evaluated by reference to the lines of said system, including a guideway cooperating with an edge of the plates and along which the plates may selectively be slid only in a direction parallel to but one coordinate axis.

2,068,227

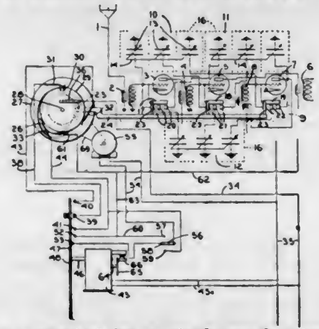
AUTOMATIC CONTROL FOR RADIO APPARATUS

David R. Cutler, Quincy, Mass., and Eustace B. Corson, Rochester, N. H., assignors of one-third to Roger Wolcott, Sharon, Mass.

Application January 5, 1934, Serial No. 705,360

6 Claims. (Cl. 250—20)

1. In a radio receiving apparatus, a radio frequency circuit having an inductance and a thermionic valve incorporated therein, an adjustable capacitance connectible to and capable of resonating said circuit to receive signals within a desired wave length range, an automatic signal selecting switch comprising a cam-actuated switch arm co-acting with said capacitance to cause the apparatus to receive a predetermined series of signals said switch having a position for each of a desired series of signals and an electrical conductor which when energized causes the switch to assume one of said positions, a timing



member actuated by a clock mechanism, manually adjustable contact members on said timing member engaging and energizing one at a time the conductors on said signal selecting switch to cause the switch to assume a selected position whereby a predetermined series of signals may be received according to a predetermined time sequence determined by the adjusted position of said contact members upon said timing member and means in the supply circuit actuated by said timing device to deenergize the apparatus during the periods when no signal is wanted.

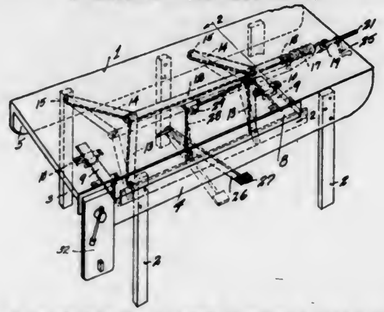
2,068,228

BENCH VISE

Caswell P. Dinsmore, Cheney, Wash.

Application March 14, 1936, Serial No. 68,872

5 Claims. (Cl. 144—290)



5. A work-bench, a work gripping jaw extending along a side of the bench longitudinally thereof and shiftable laterally of the bench towards and away from the said side of the bench into and out of a closed position, a bar slidably mounted under the top of the bench and shiftable longitudinally, members extending laterally of said bar and pivoted to the bar and to said jaw and adapted to project the jaw away from the bench to an opened position when the bar is moved longitudinally in one direction, means to yieldably resist movement of the bar in the said direction and normally maintain the jaw closed, and manually operated means for moving the bar in the said direction and effecting movement of the jaw to an opened position.

2,068,229

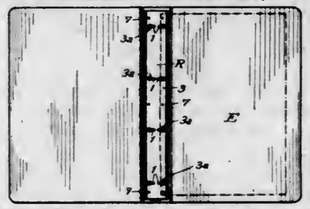
HOLDING DEVICE FOR THE SHEETS OF LOOSE LEAF BOOKS

Jean Fahrnbühl, Lucerne, Switzerland, assignor to Paul Carpentier Söhne Bucherfabrik Aktiengesellschaft, Zurich, Switzerland

Application January 20, 1936, Serial No. 59,952

In Germany February 11, 1935

4 Claims. (Cl. 129—23)



1. In a holding device for the sheets of loose leaf books, a series of slitted sheet holding rings, a base member accommodating said rings circumferentially revolubly about the axis of said series, said rings having projections thereon, slide means engaging said projections on said rings at portions of their circumferences interiorly of said base member, guide means on the slide means at the engaging portions of said slide means for turning said rings pairwise in opposite directions during the sliding movement of the slide means, and handle means disposed terminally on said slide means for reciprocating the same longitudinally of said axis, for turning each pair of rings in position of interchanging sheets with the slits of the rings aligning exteriorly of said base member and for reversely turning each pair into position of locking the sheets respectively, the slits of the individual pairs being positioned on opposite sides of said axis during said turning movements.

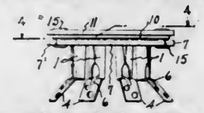
2,068,230

RADIO TUBE SOCKET

Albert W. Franklin, New York, N. Y., assignor of one-half to Edwin R. Berger, West Long Branch, N. J., and Jacob Poster, Brightwaters, N. Y.

Application September 28, 1935, Serial No. 42,563

2 Claims. (Cl. 173—328)



1. A radio socket of the type described comprising a supporting base having a plurality of longitudinally split tubular contacts mounted thereon about the center of the supporting base, each contact having a pair of ears at the split side engaging the support and a supporting ear opposite said pair of ears engaging the support, the single ears extending radially inward, and the pairs of ears extending radially outward whereby for a given size of said ears increased spacing between the ears of adjacent contact is effected.

2,068,231

SHOETREE

Julius Gershune, Louisville, Ky.

Application April 3, 1933, Serial No. 664,221

11 Claims. (Cl. 12—128.1)

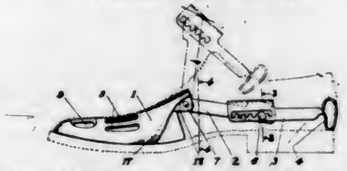
1. In a device of the class described, a toe-body

including an integral projection; the sides of said projection being exposed for convenience in assembling said device; and means connected to



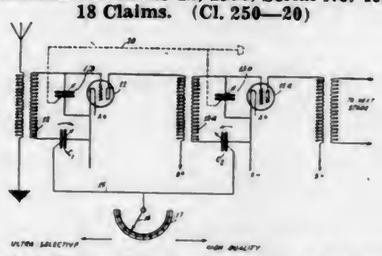
said projection adjacent to one of said exposed sides for compressing said toe-body inside the front end of a shoe.

2,068,232
SHOETREE
Julius Gershune, Louisville, Ky.
Application August 21, 1933, Serial No. 686,081
2 Claims. (Cl. 12—128.1)



1. An adjustment device consisting of two members; one of said members provided with a curvilinear end section and a pivot; said pivot adapted for selectively engaging one of a plurality of branching slots of an elongated slot contained in the other member; and a portion of said other member adapted to abut a portion of said curvilinear end section for the purpose of confining the pivot in the selected branching slot.

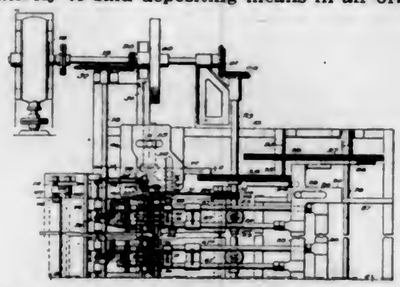
2,068,233
RADIO RECEIVING SET
Alfred N. Goldsmith, New York, N. Y.
Application November 12, 1930, Serial No. 495,019
18 Claims. (Cl. 250—20)



1. A radio receiving set comprising a plurality of stages of amplification of superaudible frequencies, each of said stages being provided with a tuned input circuit, a reactance disposed in each of said input circuits, and connected to the tuning means in each of said circuits, and means to simultaneously vary the said reactances in an inverse manner to detune each of said circuits while maintaining the mid-frequency of the selected band of frequencies substantially constant.

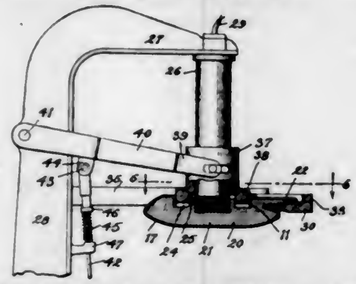
2,068,234
MACHINE AND METHOD FOR MAKING PRETZELS
Carlton L. Hoff, York, Pa., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application April 4, 1933, Serial No. 664,429
25 Claims. (Cl. 107—8)

1. In a machine of the class described, the combination of a forming surface, means for depositing a strip of plastic material continuously on said surface, means for moving said surface relatively to said depositing means in an orbital



path corresponding to the shape of the finished article, and means for severing said strip to detach successively formed articles from each other.

2,068,235
APPARATUS FOR MAKING CAPS
Isadore Kiwad, New York, N. Y., assignor of one-fourth to Harry Radzinsky, New York, N. Y.
Application July 24, 1934, Serial No. 736,623
2 Claims. (Cl. 223—12)

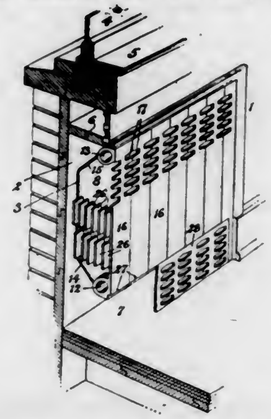


1. An apparatus of the character described comprising, a heated tubular member, means at the lower end of said member for detachably receiving a headwear shaping member, a shaping member removably held on said tubular member and formed with an annular recess in one of its surfaces, a sleeve slidable on the tubular member and receiving heat therefrom, means for lowering the sleeve to cause it to move into the recess in the shaping member and force a part of an article of headwear stretched over the shaping member into said recess, the shaping member being provided with a peak-shaped projection, and a pivoted stretching element movable at an angle to the sleeve and against a part only of the circumference of the article of headwear to cause it to follow the shape of the peak-shaped projection and the shaping member.

2,068,236
RADIATOR
Walter E. Kuenstler, Grantwood, N. J.
Application April 16, 1936, Serial No. 74,617
4 Claims. (Cl. 257—151)

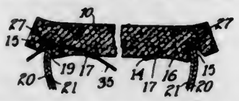
1. A radiator for location in a wall depression, said radiator having ends converging rearwardly from the front, thereby providing its greater radiating surface at the front facing the interior of the room in which the wall depression is located and having upper and lower horizontal heating-fluid passages disposed at the widest part of the radiator, said radiator having

a flat face disposed between and connecting the horizontal passages, said face being recessed ad-



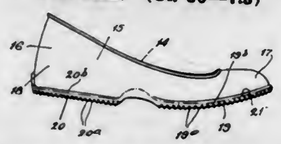
jacent the upper passage to provide an integrally formed grille.

2,068,237
SHOE AND METHOD OF MAKING SAME
Fred Maccarone, Brooklyn, N. Y., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y.
Application October 9, 1935, Serial No. 44,180
8 Claims. (Cl. 12—142)



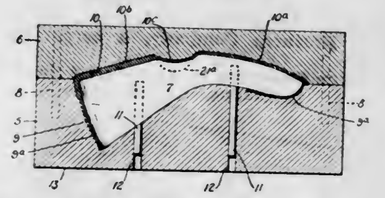
1. In shoemaking methods, that improvement which includes: stitching the forepart of an upper right-side-out to the forepart of a single sole and then cement attaching the shank and heel portions of the sole.

2,068,238
FLEXIBLE RUBBER OVERSHOE
Henry Malm, New York, N. Y.
Application December 21, 1935, Serial No. 55,539
2 Claims. (Cl. 36—7.3)



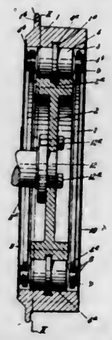
1. In footwear, a rubber for mounting upon the shoe of a wearer, said rubber comprising a unitary molded body composed only of freely flexing relatively highly extensible rubber throughout, said rubber body consisting of a normally relatively flat bottom having thick sole and heel portions and a thinner shank and upper part, said upper part being continuous with and extending entirely around the peripheral edge of the rubber bottom and forming an upper shoe engaging portion, the outer peripheral edge of the sole and heel portions of the rubber bottom extending beyond said upper part, and said relatively high extensibility of the rubber adapting the same to shoes having a range in many sizes and contours.

2,068,239
METHOD OF MOLDING FLEXIBLE RUBBERS
Henry Malm, New York, N. Y.
Original application December 21, 1935, Serial No. 55,539. Divided and this application April 20, 1936, Serial No. 75,337
1 Claim. (Cl. 18—55)



The herein described method of forming an article of footwear composed entirely of rubber, which consists in forming the entire article by a single molding operation, said molding operation consisting of shaping sheets or particles of unvulcanized rubber in a mold to form continuous sole and heel portions, an upper shoe engaging portion, side walls sufficiently short in length to normally support the sole and heel portions in raised and angular position to each other, curved peripheral edges on the sole and heel portions and a fin disposed along said curved edges, then vulcanizing said formed article while in said mold by applying heat thereto, then removing the article from the mold, and then trimming said curved edges to remove the fin and otherwise finishing the rubber to form the finished article, the trimming being substantially invisible on said edges of the sole and heel portions.

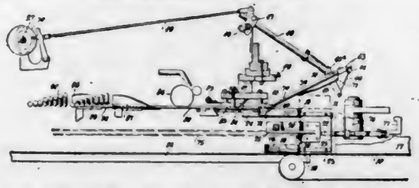
2,068,240
WHEEL, MORE PARTICULARLY FOR VEHICLES
Archibald George Frederick Marriott, Loughborough, England
Application January 21, 1936, Serial No. 60,099
In Great Britain March 12, 1935
10 Claims. (Cl. 295—10)



1. A wheel of the kind specified, comprising a middle part, an outer part which is circumferentially movable relatively to said middle part, a number of rollers disposed transversely in an annular series between the two parts, each of said rollers being adapted to make peripheral line contact with the opposing surfaces of the wheel parts, and means for providing edge contact between each roller and the wheel parts laterally, whereby said rollers are prevented from

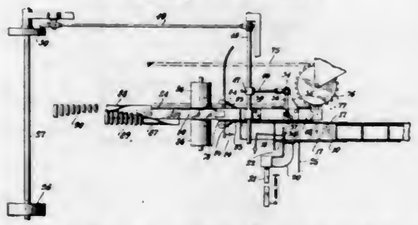
being displaced axially and are maintained square in their action and the area of frictional resistance between opposing relatively movable parts substantially reduced.

2,068,241
CARTON CLOSING DEVICE
Bernard L. Maxwell, Reading, Mass., assignor to Lever Brothers Company, a corporation of Maine
Application December 15, 1934, Serial No. 757,633
15 Claims. (Cl. 93—2)



1. Apparatus for closing flaps at opposite edges of the top of a carton comprising movable means operable to engage one flap for folding it inwardly to closed position; and means carried by said first means and movable relatively thereto and engageable with the opposite flap for folding it inwardly to closed position.

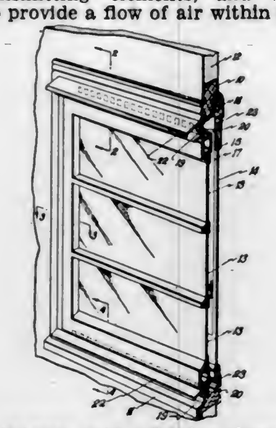
2,068,242
CARTON CLOSING DEVICE
Bernard L. Maxwell, Reading, Mass., assignor to Lever Brothers Company, a corporation of Maine
Application February 2, 1935, Serial No. 4,597
8 Claims. (Cl. 93—6)



1. Apparatus for closing flaps extending upwardly from opposite edges at the top of a carton comprising; a movable carton support; a pair of flap closing members pivotally mounted in opposed relation and each adapted to engage one of a pair of opposed flaps of a carton on said support; means for moving said plates about their pivots into engagement with said opposed flaps for folding them inwardly to closed positions; and means for moving said support toward said members to press said pair of flaps against said members.

2,068,243
WINDOW CONSTRUCTION
Robert W. McLaughlin, Jr., New York, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware
Application June 8, 1935, Serial No. 25,582
9 Claims. (Cl. 189—64)

1. In combination with a plurality of spaced light-transmitting elements, means adapted to form a chamber therewith, a radiant-heat-reflecting element, means to position said reflecting element within said chamber and between said light-transmitting elements, and vents positioned to provide a flow of air within said cham-

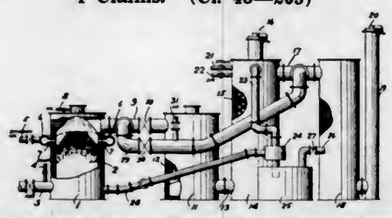


ber and between said reflecting element and one of said light-transmitting elements.

2,068,244
PROCESS FOR THE PRODUCTION OF CASTINGS BY THE CENTRIFUGAL METHOD
Carl Pardun, Gelsenkirchen, Germany, assignor, by mesne assignments, to Centrifugal Pipe Corporation, Jersey City, N. J., a corporation of Delaware
No Drawing. Application February 7, 1935, Serial No. 5,403. In Germany March 26, 1934
5 Claims. (Cl. 22—192)

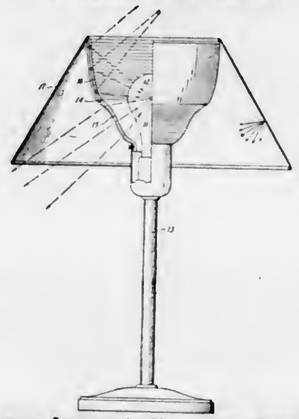
1. A process of producing a casting in a centrifugal mold which comprises applying a lining including an alloy of phosphorus to at least a portion of the mold, and then pouring molten metal into the lined mold, thereby forming a casting having the surface which contacted the lining enriched in phosphorus.

2,068,245
PROCESS OF THE MANUFACTURE OF CARBURETED WATER GAS WITH HEAVY OIL
Joseph A. Perry, Swarthmore, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 7, 1931, Serial No. 514,106
4 Claims. (Cl. 48—205)



1. Process of manufacturing carbureted water gas in a device including a generator containing an ignited fuel bed, a hydrocarbon vaporization apparatus, and a heat exchange apparatus, which process includes the following steps: one step being, air blasting the fuel bed to incandescence, passing all the blast gases through the vaporization apparatus, burning the blast gases in the vaporization apparatus, dividing the flow of blast gases as it issues from said vaporization apparatus, conducting one portion through the heat exchange apparatus storing heat therein to the amount desired, by-passing all of said heat exchange apparatus with the remaining portion of the blast gases to prevent overheating the heat exchange apparatus, and recovering outside of said heat exchange apparatus the heat of the blast gases not stored in the heat exchange apparatus; and another step being, introducing steam to the fuel bed, generating blue water gas thereby, carbureting the blue water gas, and utilizing in the gas-making process the heat stored in said heat exchange apparatus.

2,068,246
LAMP
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application December 7, 1935, Serial No. 53,356
13 Claims. (Cl. 240—81)



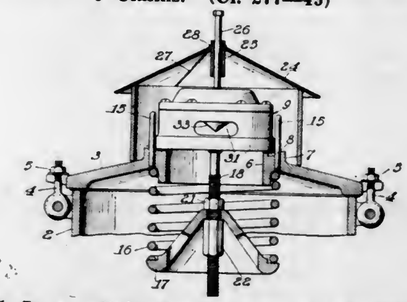
1. Means for controlling the distribution of light from a source onto a plane surface, which comprises a light-directing appliance of small area adjacent the normal to the surface and disposed to direct light away from the normal to the surface and divert light from angles near nadir to angles remote from nadir whereby the brightness of such appliance is such that specular reflections thereof effected at said surface and at angles near the normal have lower brightness than those at more remote angles, and a diffusing light-reflecting shade of larger area and of low surface brightness and disposed about the light-directing appliance for diffusely reflecting light toward such area to build up the intensity of illumination in said closer area whereby specular reflections of said shade at said surface have low brightness.

2,068,247
TYPEWRITING MACHINE
George F. Rose, New York, N. Y.
Application February 2, 1933, Serial No. 654,862
31 Claims. (Cl. 197—186)



1. A typewriting machine segment plate including substantial portions of the ends turned back from the body of said plate, bearings in said turned-back portions and arranged for reception of the carriage shifting rocker bar.

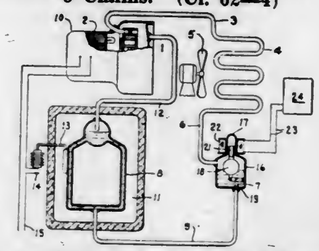
2,068,248
RELIEF VALVE
Carl J. Schroeder, Hobart, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 30, 1933, Serial No. 704,702
9 Claims. (Cl. 277—45)



1. In a relief valve for use in hydrocarbon storage and treating systems, means providing a flat annular valve seat, said seat being surfaced with "stellite" insert, a valve member adapted normally to rest upon said seat, and a "thiokol" packing ring for said valve adapted to engage with said seat and rest upon the stellite insert to provide a fluid tight seal therebetween.

4. A relief valve as described comprising, means providing a valve seat, a pressure relief valve assembly adapted normally to rest upon said seat, guide means for guiding said valve assembly vertically toward and away from said seat, and a vacuum relief valve contained within said pressure relief valve assembly including an annular substantially flat valve seat of continuous unbroken area and a circular valve member formed with convex and concave conical walls on opposite sides thereof and presenting an unbroken outer surface, with the apex thereof extending downwardly below the plane of the adjacent seat, and having an extending substantially flat surface adapted under force of gravity alone to bear upon the substantially flat valve seat, said valve member having its low pressure side communicating at opposite sides thereof with the pressure side of said pressure relief valve assembly the air inlet passageways therefor extending through the side walls of the body of said pressure relief valve.

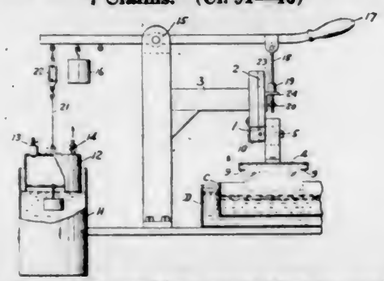
2,068,249
CONTROL APPARATUS
Matson C. Terry, Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 3, 1932, Serial No. 636,087
8 Claims. (Cl. 62—4)



1. In a refrigerating system, the combination of a heat absorbing element normally subject to

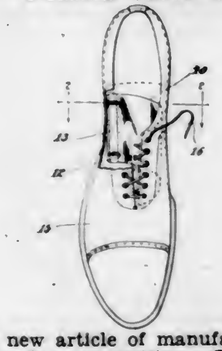
accumulation of frost thereon, a compressor for circulating refrigerant vapor, a condenser for normally supplying the refrigerant after condensation to the heat absorbing element to vaporize therein and cool the same, means for periodically supplying non-condensed refrigerant to the heat absorbing element and means for maintaining the compressor in operation for the time that non-condensed refrigerant is supplied to the heat absorbing element, whereby the heat of the vapor is absorbed by said heat absorbing element to rapidly defrost the same.

2,068,250
DIPPING MACHINE
Frederick Thomas, Philadelphia, Pa.
Application November 14, 1934, Serial No. 752,975
7 Claims. (Cl. 91—46)



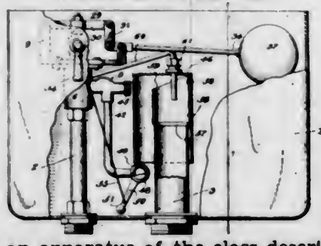
1. A dipping machine, comprising in combination, a head slidably mounted on a stationary support for dipping and removing movement, a stop mounted in the path of movement of said head for limiting the dipping movement of said head, a restrained operating weight, and a pivotally mounted operating lever stressed for removing movement and having a lost motion connection between said head and said lever on one side of said pivot and having a connection between said weight and said lever on the other side of said pivot, whereby the head is dipped to the limit of the stop and is retracted with a dwell at the end of its dipping movement during the taking up of the lost motion between said head and said lever and is retracted by said weight at the end of said dwell.

2,068,251
ARCH SUPPORT FOR SHOES
Henry F. Ullrich, New York, N. Y.
Application May 17, 1934, Serial No. 726,062
6 Claims. (Cl. 36—71)



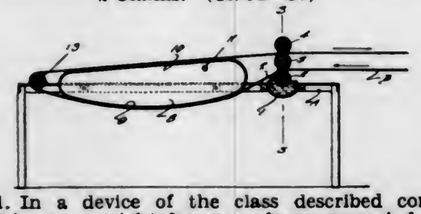
1. As a new article of manufacture, an arch support for shoes comprising a flat band of supporting material having means adapting it to be adjustably fastened indirectly to the outer sole of the shoe along the outside edge of the shank at one end and to be fastened by the shoelace of the shoe at the other end.

2,068,252
PACKLESS EJECTOR FLUSH VALVE
Walter C. Weber, Aurora, Ill.
Application January 11, 1936, Serial No. 58,742
9 Claims. (Cl. 4—44)



1. In an apparatus of the class described, the combination with a flush tank, of an outlet pipe extending into said tank and being reduced within the tank, a syphon hood over said outlet pipe, means attaching said hood to one side of said outlet pipe, said outlet pipe being bevelled at its upper end, and means for supplying a jet of water into said syphon hood or into said tank.

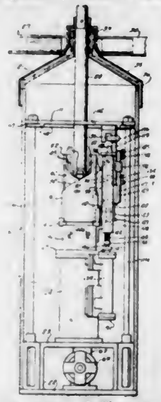
2,068,253
MEANS FOR APPLYING ADHESIVE TO WALLPAPER AND THE LIKE
Arthur R. Williams, Tunnelton, W. Va.
Application May 23, 1935, Serial No. 23,101
2 Claims. (Cl. 91—55)



1. In a device of the class described comprising an upright frame, a dryer supported by the frame and comprising an elongated oval-shaped hollow member adapted to contain steam and having a convex bottom part and a sloping substantially flat top part, a trough supported in the frame and adapted to contain adhesive material, a roller extending into the material, a second roller arranged on the first roller, the rollers receiving a strip or sheet between them and guiding said strip or sheet to contact the convex bottom part of the dryer, a roller in rear of the dryer over which the strip or sheet is trained, and a third roller between which and the second roller the strip or sheet is passed to guide said strip or sheet in contact with the sloping substantially flat part of the dryer.

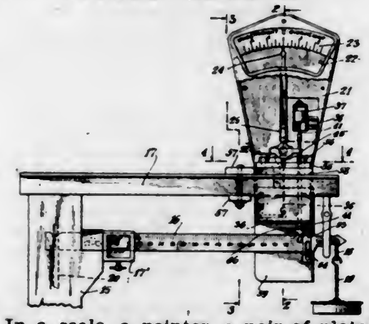
2,068,254
CROSSING SIGNAL
Mercer D. Wilson, Phoenix, Ariz.
Application August 17, 1935, Serial No. 36,710
11 Claims. (Cl. 246—130)

1. A signal having in combination: a signal member; a vertical floating shaft operatively connected with the signal member; an arcuate cam adjacent the shaft, having a cam surface sloping downward in one circumferential direction to a lowest level, a second arcuate cam adjacent the shaft having a cam surface sloping downward in the opposite circumferential direction to a lowest point, said two lowest points be-



ing staggered; a cam-follower associated with the shaft to support the shaft on either or both said cams; and means to cause relative axial movement of said cams to rotate the shaft in alternate directions.

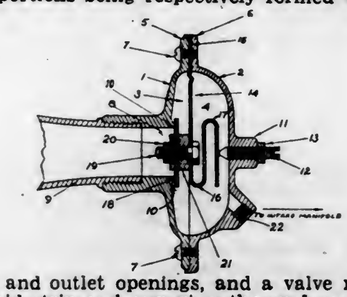
2,068,255
SCALE
John E. Woodland, Columbus, Ohio, and Paul J. Kircher, Brooklyn, N. Y., assignors to The Jacobs Bros. Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 10, 1935, Serial No. 53,720
4 Claims. (Cl. 265—58)



1. In a scale, a pointer, a pair of plates connected to each other and to said pointer, means for rotating said plates, means for resisting such rotation, a mounting member, a shaft secured to said mounting member, blocks of material carried by said plates, and the ends of said shaft extending into said blocks and having rotatable engagement therewith.

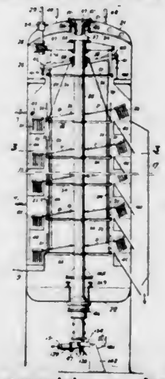
2,068,256
SIGNALING DEVICE
Emanuel Auflero, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application October 3, 1934, Serial No. 746,635
6 Claims. (Cl. 116—138)

2. A warning signal including a pair of casing portions, co-acting flanges forming a part of said casing portions whereby the same may be brought into sealing engagement, a strip having one of its ends disposed between such casing portions, said strip being resilient, and said casing portions being respectively formed with in-



take and outlet openings, and a valve mounted by said strip and engaging the surfaces of said casing portion having the inlet opening therein.

2,068,257
FILTERING APPARATUS
Daniel B. Banks, Upper Darby, and Paul D. Barton, Wynnewood, Pa., assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application November 26, 1934, Serial No. 754,714
17 Claims. (Cl. 210—153)

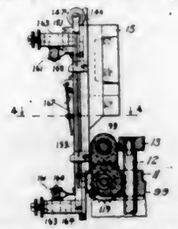


16. A filter comprising a closed tower, superimposed annular trays therein each having partitions dividing it into sections, a number of filter leaf clusters in each tray, a rotatable vertical central shaft, vertical pipes in said shaft and rotating therewith, nozzles on said shaft, ball and socket joints carried on said nozzles, tubes swingable vertically on said ball and socket joints and communicating through said nozzles with said pipes, and means operative in the rotation of said shaft, pipe, nozzles, sockets and tubes, to swing said tubes vertically to lift the filter leaf clusters over said partitions, vertically slidable plates through which the nozzles extend and which close openings in the shaft, and a spring between each socket joint and plate holding the corresponding pipe against the shaft, each plate being slidable vertically in the longitudinal expansion and contraction of the pipe carrying the corresponding nozzle.

2,068,258
FILM GATE STRUCTURE FOR MOTION PICTURE MACHINES
Per Johan Berggren, New York, N. Y.
Original application December 20, 1928, Serial No. 327,200. Divided and this application May 5, 1933, Serial No. 669,519. Renewed July 2, 1936
7 Claims. (Cl. 88—17)

1. In a motion picture apparatus a film gate having an aperture, a frame in which said gate is

carried, means for pivotally supporting the gate at the top in said frame, and pressure devices

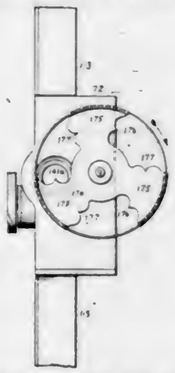


engaging the upper and lower ends of the gate adjacent the corners thereof.

2,068,259

SHUTTER STRUCTURE FOR MOTION PICTURE MACHINES

Per Johan Berggren, New York, N. Y.
Original application December 20, 1928, Serial No. 327,200. Divided and this application May 5, 1933, Serial No. 669,522. Renewed July 2, 1936
4 Claims. (Cl. 88—19.3)

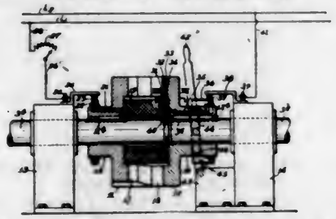


1. In a motion picture projecting apparatus, a shutter having blades, each blade having a projection on the advancing edge thereof and a recess in the receding edge thereof, the outline of the projection and the recess being the same.

2,068,260

CLUTCH MECHANISM

Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1935, Serial No. 1,467
17 Claims. (Cl. 192—56)



14. A driving shaft, a driven shaft, a magnetic clutch disposed to drive said driven shaft solely by magnetic pull, and adapted to automatically release itself when the load on the driven shaft exceeds the magnetic pull of said clutch.

2,068,261

TRANSMITTING ANTENNA

George Harold Brown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 26, 1935, Serial No. 33,281
7 Claims. (Cl. 250—33)

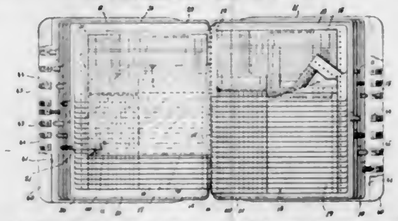


1. A transmitting antenna comprising vertical sections of a combined height less than one-half of the wave length to be transmitted, an insulated section between said sections, an inductance bridging said insulating section and joining the first mentioned sections at substantially two-thirds of the distance from the base to the top of said antenna, and means for adjusting said inductance so that the ratio between the vertical and horizontal radiation from said antenna may be adjusted by varying the current distribution in said sections.

2,068,262

LOOSE LEAF BOOK

Raymond W. Brown, New York, N. Y.
Application October 26, 1934, Serial No. 750,226
15 Claims. (Cl. 129—1)



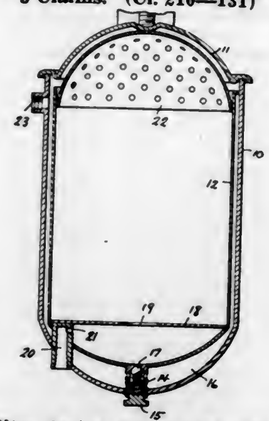
1. A book having groups of sheets overlapping one another from top to bottom, division sheets between the groups, each division sheet having upstanding rims extending along the top, bottom and front edges with a vacant space between and forming a receptacle for containing the sheets of a group.

6. A loose leaf book comprising a binder cover with prongs securing sheets therein, said sheets being arranged in groups and each group being formed of two sub-groups, the sheets of the sub-group overlapping from top to bottom to provide projecting margins for receiving identifying markings and the sheets of one group facing the sheets of the other group whereby when the group of sheets is opened at the center, all projecting margins of the group are visible and each sheet being punched adjacent both the front and rear edges whereby it is adapted to be secured in the binder so as to form part of either sub-group and a transparent sheet between the sub-groups, said last named sheet having a projecting tab.

2,068,263

FILTER CARTRIDGE AND CYLINDER

William G. Burhans, Kingston, N. Y.
Application February 18, 1935, Serial No. 7,097
3 Claims. (Cl. 210—131)

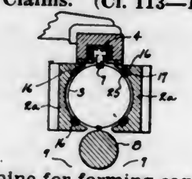


1. In a filter device, a cartridge cylinder comprising an outer tank, an inner tank spaced from the outer tank, a discharge connection at the top of the outer tank, a filtering cartridge in said inner tank, means for introducing the fluid to be filtered into the bottom of the inner tank below the cartridge, a perforated tube connecting the bottoms of the two tanks together with the perforations connecting the interior of the tube with the space between the tanks, and a spring-pressed valve normally closing communication between the tube and the bottom of the inner tank.

2,068,264

CAN BODY FORMING MACHINE

Wilford E. Burns, Burlingame, Calif., assignor to M. J. B. Company, a corporation of Delaware
Application July 16, 1934, Serial No. 735,374
6 Claims. (Cl. 113—11)



1. In a machine for forming can bodies, a body forming mechanism, a soldering horn of different diameter than that of formed bodies, means for conveying formed bodies from the forming mechanism along the horn, and means operable to form each body with offset bosses prior to its delivery to the horn and whereby, when moved along the horn, the main body portion thereof will be supported from surface contact with the horn in its travel therealong.

2,068,265

PREPARATION OF CARBOXYLIC ACIDS

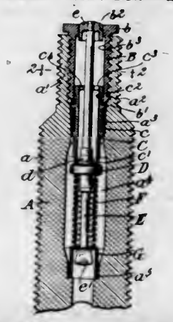
Gilbert B. Carpenter, Framingham, Mass., and Wallace H. Carothers, Fairville, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 6, 1932, Serial No. 585,154
7 Claims. (Cl. 260—116)

2. In a vapor phase process for the preparation of aliphatic organic acids from compounds containing at least one alkoxy group and carbon monoxide, the step which comprises effecting the reaction in the presence of a substantially non-volatile catalyst consisting of vanadium chemically combined with an element of group VI—A of the periodic table.

2,068,266

TIRE VALVE

Abraham Engel, New York, N. Y., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a corporation of New York
Application March 23, 1932, Serial No. 600,615
1 Claim. (Cl. 152—12)

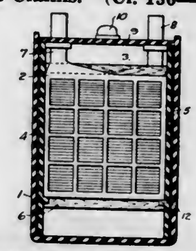


A top repair tire valve comprising a casing having a shoulder therein, a hollow plug having a seating face engaging said shoulder and a seat for a check valve, means for engaging said plug for holding said seating face against said shoulder, said means comprising a tubular member having an enlarged bore below its outer end, a check valve engageable with the seat on the hollow plug and having a valve pin extending through the tubular member and means slidably engaging within the opening in the top of the tubular member providing a sliding closure therefor and adapted upon being depressed into the enlarged bore of the tubular member to operate through the valve pin to unseat the check valve to provide for ingress and egress of fluid through the casing.

2,068,267

STORAGE BATTERY SEPARATOR PROTECTOR AND PLATE SUPPORT

Theodore B. Entz, New Rochelle, N. Y.
Application February 20, 1934, Serial No. 712,265
3 Claims. (Cl. 136—81)



1. In combination with a battery of the storage type, having plates and separators therein, means for locating the plates and separators of the battery so that the separators extend beyond the edges of the plates at the sides and bottom, consisting of support plates having slots extending entirely therethrough to engage and receive the side edges of the separators, said separator edges passing through the support plates in the slots,

providing a break in the path of the electrolyte attempting to pass around the side edges of the separators, thereby preventing mossing, and the bridging of metallic particles from one plate to a plate of opposite polarity.

2,068,268

TRANSFER COMPOSITIONS AND THE PRINTING THEREOF

Frederick George Francis, Leyton, London, England, assignor to Caribonum Limited, London, England, a company of Great Britain

No Drawing. Application October 16, 1931, Serial No. 569,266. In Great Britain May 23, 1931
11 Claims. (Cl. 91—68)

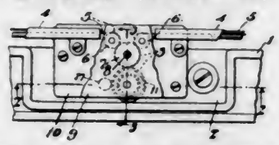
1. Method of producing non-smearing pressure-transferable colour coatings on paper surfaces which includes coating said surface in the cold by printing methods with a compositon comprising a substantially non-volatile substantially non-drying oily base, including diaceto glyceryl abietate in an amount sufficient to function as an extender, at least one wax in finely divided suspended form and colour components, heating said coated surface to cause a fusion of at least one of said suspended waxes and cooling said heated surface rapidly.

2,068,269

TYPEWRITING MACHINE

Carl Gabrielson, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York

Application July 22, 1935, Serial No. 32,478
16 Claims. (Cl. 197—171)



1. A ribbon inking device comprising an ink reservoir, an ink lifting means extending into said reservoir, a rotary ink transfer disk for transferring ink from the upper end of the ink lifting means to a ribbon to be inked, a rotatively supported vertical shaft for said disk, a coil spring surrounding a portion of said shaft and secured thereto at its ends to turn therewith, means for attaching the ink transfer disk to said spring substantially midway its ends, said shaft being out of contact with the said coil spring at the point of attachment between the coil spring and said disk whereby the disk and the coil spring may be moved laterally or sidewise with respect to the axis of said shaft and the said spring will tend to return said disk to a concentric position with respect to the axis of said shaft, said shaft being located with respect to the ink lifting means to maintain the said disk in yielding contact with the ink lifting device.

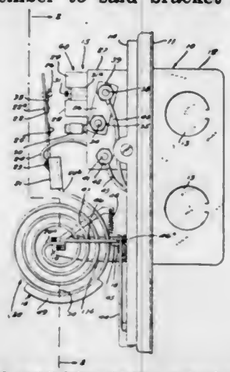
2,068,270

THERMOSTATIC SWITCH CONSTRUCTION

George E. Huise, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey

Application January 26, 1935, Serial No. 3,610
2 Claims. (Cl. 200—139)

1. In a thermostatic switch, in combination, a base adapted to be suspended in a vertical position, a bracket member secured to said base and extending from the lower portion thereof, means forming a contact member secured to said base and extending from the upper portion thereof, a bimetallic member comprising a flat strip spirally shaped with the several convolutions thereof in substantial alignment, means forming a pivotal connection between the end of said bracket member and the inner end of said bimetallic member, a bar connected to said last-mentioned end of said bimetallic member and extending away therefrom radially with respect to said convolutions to a point spaced above said bracket member, spring means connecting the outer end of said bar member to said bracket member, the



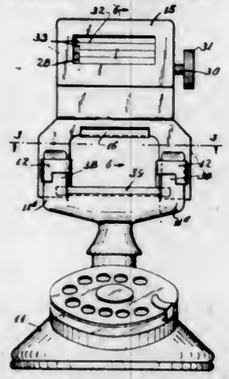
other end of said bimetallic member being bent upwardly into a substantially vertical position, a block of electrical insulating material secured to said last-mentioned end of said bimetallic member, a contact arm secured to said block and extending upwardly substantially parallel to said base to a point substantially adjacent said contact member so that expansion and contraction of said bimetallic member moves said contact arm into and out of engagement with said contact member, and a weight element secured to the outermost convolution of said bimetallic member at a portion thereof below said bracket member.

2,068,271

TELEPHONE INDEX HOLDER

Edmond J. Huott, New York, N. Y.

Application July 22, 1936, Serial No. 91,860
9 Claims. (Cl. 40—10.5)



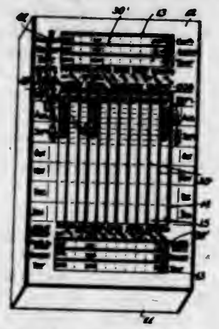
9. A telephone index holder comprising a support plate having a pair of finger portions each having a loop adapted to encompass a finger of a French or Cradle telephone, a base plate removably supported on said support plate, an index means mounted on said base plate, a removable cover for said index means, and means for locking said finger portions on the fingers of said telephone when the cover is in position, comprising pivoted levers mounted upon said fingers and having heads engageable against the outturned ends of the fingers of the French or Cradle telephone, and means for locking said levers in operative positions, including projections from the base plate engaging through slots in the support plate and engaging said levers.

2,068,272

COMPOSITE RECORDER

Chester C. Kaskell, St. Paul, Minn.

Application August 5, 1933, Serial No. 683,738
Renewed November 12, 1935
15 Claims. (Cl. 281—8)



1. A device for forming composite sheet-like pages comprising a body, a plurality of web units adapted to expose sections of webs matched to synchronization, means associated with said body and web units for readily removably holding said web units, and means associated with said body and web units for moving said webs to and fro in synchronization.

2,068,273

OPHTHALMIC MOUNTING

Lloyd H. Kirk, Cranston, R. I., assignor to Martin-Copeland Company, Providence, R. I., a trustee-ship composed of Edgar W. Martin, E. Cornell Martin, Laurence C. Martin, and George W. Bleecker

Application June 5, 1935, Serial No. 25,115
4 Claims. (Cl. 88—49)



2. A nose-pad for attachment to an apertured support on an eyeglass bridge or spectacle frame comprising a metal plate, a beveled lug extending outwardly from the face of the plate, and a U-shaped strap embracing the lug with the sides of the strap fixed to the sides of the beveled lug to form a closed loop.

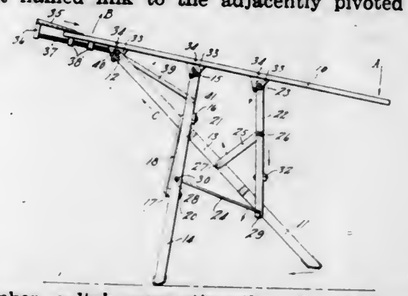
2,068,274

IRONING TABLE

George W. Lewis, Berlin, Mass.

Application September 25, 1934, Serial No. 745,409
8 Claims. (Cl. 38—107)

2. An ironing table comprising an ironing board, leg members pivotally connected to the underside of the board and adapted to be arranged in crossed relation to support the table in operative position, means to releasably hold said leg members in table supporting position comprising a link connected to the table at one side of the legs, a link connecting the free end of the first named link to the adjacently pivoted leg



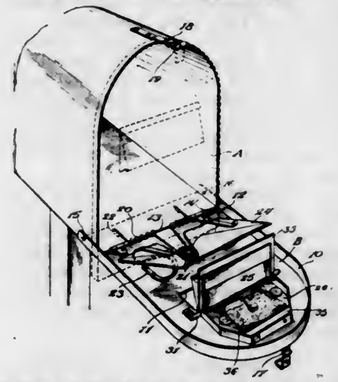
member, a link connecting the other leg member to the first named link to form a toggle, and means to limit movement of the toggle members, in the unfolding direction, to the made position of the toggle, said toggle being breakable in the opposite direction to permit folding of the leg members against the under side of the board.

2,068,275

MAIL BOX

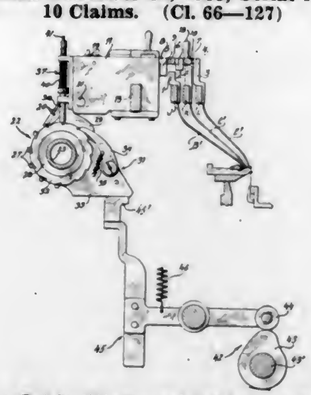
William Carl Luss, Hamburg, N. Y.

Application August 12, 1935, Serial No. 35,866
1 Claim. (Cl. 232—33)



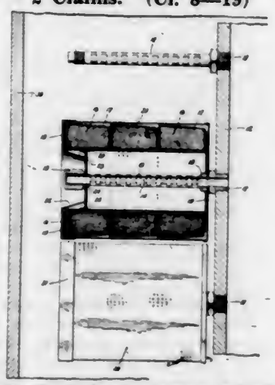
A mail box of the kind described comprising a box like body permanently closed at its bottom, sides, top and one end and having an open end opposite to the latter, a door closing the open end and having a flange extended along the side and top of the body, said door being provided with a transversely disposed slot for accommodating mailing matter for deposit within the body, a gate pivoted to the inner side of the door at the slot and having angularly bent portions, one of said portions being provided with a marginal rim to provide a money tray, the other of said portions being formed with a change pocket and this latter portion normally closing the slot, the money tray and change pocket being arranged for inaccessibility through the slot, a flange on the gate at the change pocket and engageable with the door to limit the outward swinging of said gate through the slot and a weight fitted in the money tray for normally holding the flange on the change pocket of said gate contacting with the door for the closing of the slot by said gate.

2,068,276
FULL FASHIONED HOSIERY KNITTING MACHINE
Sterling C. Mack, Bangor, Pa.
Application December 31, 1935, Serial No. 56,886
10 Claims. (Cl. 66—127)



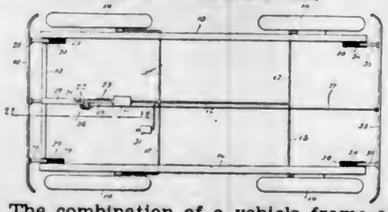
1. In a flat knitting machine having a plurality of reciprocable carrier rods, a reciprocating friction rod, and a rotating main cam shaft; a friction device carried by the friction rod to reciprocate therewith; selectors mounted on the friction device to move therewith and operable for selecting and driving any one of said carrier rods; means arranged on the friction device and actionable for acting upon said selectors to effect the selection of the carrier rods; cams supported upon the friction device and engageable with said means for the operation thereof; means carried by the friction device for progressively actuating said cams; and a mechanism operatively associated with said main cam shaft and having an element disposed for constant riding engagement with the last mentioned means whereby the latter may be actuated at either end of the reciprocating movement of the friction device.

2,068,277
DYEING RAYON IN CAKE FORM
Thomas McConnell, Northampton, Mass., assignor to Hampton Company, Easthampton, Mass., a corporation of Massachusetts
Application June 20, 1935, Serial No. 27,574
2 Claims. (Cl. 8—19)



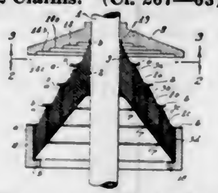
1. A method of dyeing rayon which has been spun, treated, and dehydrated in cake form, which comprises assembling end to end a plurality of rayon cakes wrapped individually in a pervious fabric, the dehydrated rayon cakes being of such soft and fluffy consistency as to be substantially incapable of self-support when wet, enclosing the assemblage of cakes on all sides with a substantially rigid support pervious to liquid interiorly and exteriorly of the cakes and substantially impervious to liquid at the ends of the cake assemblage, supporting the enclosed cakes in a bath of liquor with their common axes sufficiently horizontal to protect the soft cakes against collapsing pressure from their own weight or from the weight of cakes above them and thus shifting away from the impervious ends of the support so as to provide a by-pass for the dyeing liquor, and passing dyeing liquor under pressure through the cakes between their inner and outer peripheries.

2,068,278
BRAKE CONSTRUCTION
Robert Perillard, New York, N. Y.
Application January 18, 1936, Serial No. 59,649
11 Claims. (Cl. 180—83)



6. The combination of a vehicle frame and a hydraulic brake system carried by said frame comprising a hydraulic cylinder and piston adapted for pedal operation, and a separate cylinder member and a piston member; a bumper mounted on said frame and a shaft member connecting said bumper with one of said members whereby an impact on said bumper will actuate said brake system.

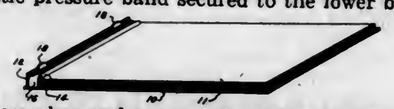
2,068,279
ELASTIC SPRING
Emil H. Piron, New York, N. Y., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York
Application May 27, 1935, Serial No. 23,651
22 Claims. (Cl. 267—63)



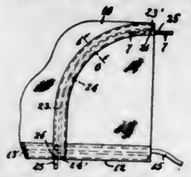
1. In a spring, concentric load imposing and load receiving members having alternate concentric cylinders of metal and rubber therebetween, said cylinders of elastic material each having a height at any concentric section substantially inversely with the radius of that section, and stop means for progressively contacting said metallic cylinders from the inside radially outwardly of said spring.

2,068,280
PACK BINDING CONSTRUCTION
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application October 22, 1935, Serial No. 46,148
10 Claims. (Cl. 281—44)

8. A pack binding construction comprising a base, an angular lower binding member secured to the base and having an upstanding rear wall provided with spaced lugs, an upper binding member having a substantially flat side adapted to rest upon the uppermost sheet of the pack and bent to form a channel open at one side, an elastic pressure band secured to the lower binding member and passing through said channel, said upper binding member having slots formed in the bend of the channel to interfit with the lugs on the rear wall of the lower binding member to hold the upper binding member in an inactive position against the force of the pressure band to facilitate the insertion of a fresh pack of sheets.

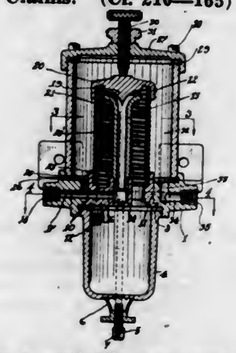


2,068,281
SHOWER CAP
Max Stone, New York, N. Y.
Application January 25, 1936, Serial No. 60,833
4 Claims. (Cl. 2—68)



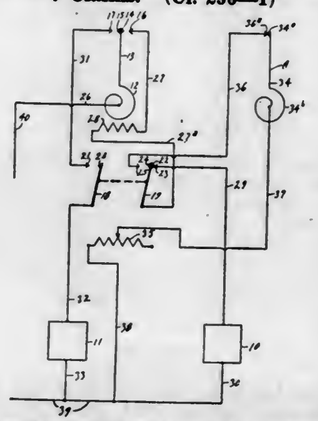
1. A shower cap, comprising waterproof material having a front edge for engaging around a wearer's face and a bottom edge for engaging around a wearer's neck, an element along the bottom edge of said material forming a passage, means within said passage by which the bottom edge may be contracted, an element extending from the front at the top of said cap down to the back at the bottom, and means associated with said element by which the height of the cap may be contracted.

2,068,282
FLUID STRAINER OR FILTER
Richard Strindberg, Worcester, Mass.
Application December 10, 1934, Serial No. 756,811
6 Claims. (Cl. 210—165)



1. In a filter, a vertically positioned coil spring having adjacent coils thereof in contact when the filter is not in operation and between the adjacent coils of which the material being filtered is forced, a cap on the upper end of said spring, the latter being open at the bottom to receive the liquid being filtered, and means engageable with said cap to limit the opening movement of said spring for controlling the spacing between adjacent coils thereof.

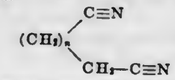
2,068,283
ELECTRICAL CONTROL SYSTEM
William W. Stuart, Des Moines, Iowa
Application January 28, 1936, Serial No. 61,167
7 Claims. (Cl. 236—1)



5. In combination, a heating device and a cooling device, electrical control means for the devices including a thermostat, and a summer-winter switch, and anticipating heater means adapted to hasten the action of the thermostat for stopping the operation of a controlled device when the switch is in one position, and to hasten the action of the thermostat for starting the operation of a controlled device when the switch is in the other position, and means for rendering the anticipating heater inoperative.

2,068,284
METHOD FOR THE PRODUCTION OF DERIVATIVES OF CYCLIC β-KETO CARBOXYLIC ACIDS
Karl Ziegler, Heidelberg, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany
No Drawing. Application November 16, 1934, Serial No. 753,303. In Germany November 18, 1933
16 Claims. (Cl. 260—99.30)

1. A method of producing cyclic α-cyanoketone compounds consisting in acting on a nitrile having the formula

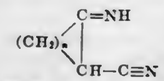


n being an integer, with a condensing agent of the type



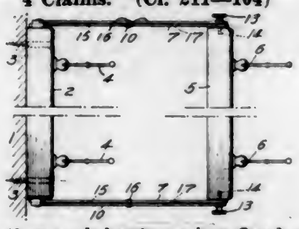
wherein R_1 is an aromatic and R_2 a non-aromatic organic, alkyl or alicyclic radical, while M is an alkali metal.

13. The α-cyanocycloketimides of the general formula



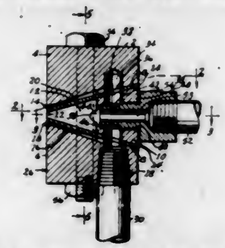
wherein n denotes an integer which is 5 or greater.

2,068,285
CLOTHESRACK
Jordan B. Bierman, New Rochelle, N. Y.
Application April 15, 1936, Serial No. 74,458
4 Claims. (Cl. 211—104)



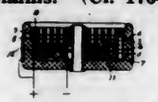
1. A clothes rack having a bar fixed on a support and carrying clothes hangers, a second bar also carrying clothes hangers, said bars being relatively long, a set of links interconnecting said bars for holding said bars in substantially parallel relation, and means cooperating with said links to hold said second bar in a position away from or in proximity to said support.

2,068,286
OIL BURNER
Carl D. Edwards, Manhattan Beach, Calif.
Application May 18, 1934, Serial No. 726,255
3 Claims. (Cl. 299—140)



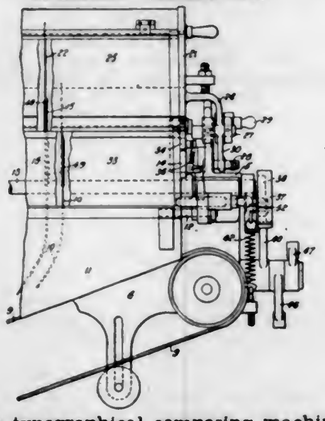
1. A fluid burner comprising an inner casing member in the form of a truncated wedge having smooth sides diverging from the truncated end of the wedge, said member having a wedge-shaped portion removed to form a chamber which opens at the truncated end of the member, an outer casing member for and at each side of the inner member, said outer members having inner surfaces complementing the diverging sides of the inner member, means for holding said members rigidly in their assembled positions, and means through which two fluids are separately fed to and are mixed in the chamber in the inner member, the mixed fluids passing from said chamber through the truncated end of the inner member.

2,068,287
ELECTRIC LAMP
Denes Gabor, Budapest, Hungary
Application October 9, 1934, Serial No. 747,593
In Hungary October 14, 1933
13 Claims. (Cl. 176—122)



1. An electric lamp comprising an envelope enclosing a lighting space containing rarified gases, an anode, an electron beam source which in turn comprises a hot cathode and a body or plasma-filter provided with openings for the passage of the electron beams, said body or plasmafilter separating the cathode from the lighting space and from the anode, and having insulating material on its surface exposed to the electron beams and to the lighting space, the openings having lateral dimensions so restricted that the voltage-current characteristic of the lamp is positive and independent of excess electron emission by said cathode.

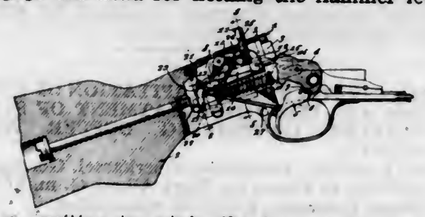
2,068,288
ASSEMBLING MECHANISM OF TYPOGRAPHICAL COMPOSING MACHINES
Eric Gayter and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a limited-liability company of Great Britain
Application October 23, 1935, Serial No. 46,256
In Great Britain October 25, 1934
10 Claims. (Cl. 199—20)



1. In a typographical composing machine, the combination with a pair of superposed magazines each provided with a set of escapements and having their discharge ends located in an inclined plane, of an assembler entrance including a relatively fixed lower section adapted to receive matrices discharged from either magazine, a relatively fixed upper section adapted to receive matrices discharged from the upper magazine and a pivoted intermediate section adjustable to convey to the lower section matrices discharged from either magazine, escapement-actuating tappets mounted on said upper section, strikers carried by said intermediate section, and means adapted to adjust said intermediate section on its pivot to bring said strikers into operative relationship either with the escapement mechanism of the lower magazine or with the tappets of the upper entrance section.

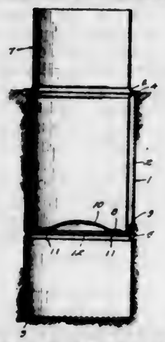
2,068,289
SELECTIVE HAIR TRIGGER AND SAFETY DEVICE
Joseph Thomas Gurney, Johnson City, N. Y.
Application November 27, 1935, Serial No. 51,895
3 Claims. (Cl. 42—70)

1. In combination with a gun provided with a hammer and a trigger mechanism having a standard pull normally acting to hold the hammer in cocked position and to release said hammer from said cocked position when manually pulled, a finger piece pivotally and slidably mounted on the gun and capable of having several positions, a bell crank lever pivoted to the gun and to the finger piece, a head formed on said bell crank lever, a hammer lever pivotally mounted to the gun and engaging said head at one end and engaging the hammer at its opposite end to hold the hammer in cocked position when said finger piece is moved into one of its positions and thereby provide a safety against accidental firing of the gun, a spring pressed trip element normally moved into a position to engage either of said levers and during one of the positions of the finger piece is adapted to engage the head for holding the hammer lever



in a position to retain the hammer in cocked position, means engageable with the trip element and the finger piece for positioning said trip element out of engagement with the levers and securing the finger piece in a position to retain the hammer in cocked position against accidental firing, and means between the trigger mechanism and the trip element to disengage the latter from the head after the positioning of the finger piece in one of its positions to release the hammer with a hair trigger pull.

2,068,290
CEMETERY GROUND VASE, RAISED TYPE
George W. Hagle, Hillsboro, Oreg.
Application June 30, 1936, Serial No. 88,251
3 Claims. (Cl. 47—41)



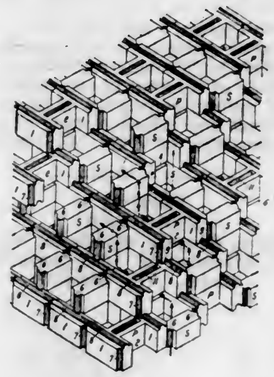
1. A ground vase of the character described, comprising an outer cylinder adapted to be sunk to the full extent of its length into the earth, and a vase of an overall length slightly less than the length of said cylinder, said vase being freely insertible into the cylinder, said vase and cylinder having coacting ribs whereby the vase is supported in the cylinder when not in use and said vase having a bottom adapted to engage the rib of the cylinder to maintain the vase with a portion of its body extending above the surface of the earth when the vase is in use.

2,068,291
CEMETERY GROUND VASE, FLUSH TYPE
George W. Hagle, Hillsboro, Oreg.
Application June 30, 1936, Serial No. 88,252
2 Claims. (Cl. 47—41)

1. A cemetery vase, comprising a shielding cylinder adapted to be sunk to the full extent of its length into the earth and a vase of the same cross-sectional contour as the cylinder and having a wall closing one end and having the other end open, said vase being of an overall length less than the length of the ground cylinder, finger hold means adjacent the open end of the vase, said wall closing the end of the vase having a central inwardly pressed area forming a finger recess, and a bar secured across said recess and forming a handle.



2,068,292
CHECKER BRICKWORK CONSTRUCTION FOR REGENERATORS
Joseph Fraser Hyslop, Falkirk, Scotland, assignor to John G. Stein & Company Limited, Bonnybridge, Scotland, a corporation of Great Britain and Northern Ireland
Application August 19, 1936, Serial No. 96,899
In Great Britain December 2, 1935
3 Claims. (Cl. 263—51)



1. A checker brickwork construction for regenerators comprising a plurality of superposed courses each consisting of spaced parallel rows of abutting primary supporting bricks of substantially H section and rows of spaced secondary filler bricks alternating with said rows of primary bricks and forming in association therewith vertical flues.

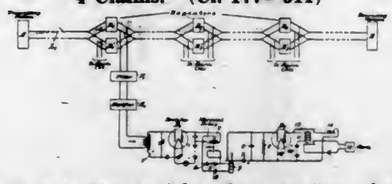
2,068,293

MEANS FOR PRODUCING TIME LAG IN ELECTRICAL CIRCUITS

Lester M. Ilgenfritz, New Rochelle, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Original application September 14, 1926, Serial No. 135,447. Divided and this application March 19, 1930, Serial No. 437,209

4 Claims. (Cl. 177—311)



1. In a system to delay the operation of a device until the operating voltage has persisted a predetermined length of time, the combination with a source of potential the variations of which from normal are to be indicated, of a marginal relay having an armature the position of which for normal currents is midway between its contacts, an auxiliary relay having its winding effectively connected to a source of current and to the contacts of the marginal relay so as to be energized upon the closing of either contact, a condenser, a source of voltage, a vacuum tube having its input connected with the said condenser and the negative pole of the said source of voltage through the armature and contact of the said auxiliary relay, and an alarm circuit connected with the output of the said vacuum tube.

2,068,294

INORGANIC COLORED PIGMENT AND A PROCESS OF PREPARING THE SAME

Erich Korinth, Frankfort-on-the-Main-Hochst, and Georg Meder, Munster in Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application February 3, 1932, Serial No. 590,774. In Germany February 7, 1931

8 Claims. (Cl. 134—58)

1. A pigment comprising mixed crystals containing in their lattice construction zinc oxide, at least one oxide of a metal of the fourth group of the periodic system consisting of Si, Zr, Sn, and Ti, and at least one coloring oxide of a metal of the group consisting of V, Cr, Mn, Fe, Co, Ni, Cu, and U.

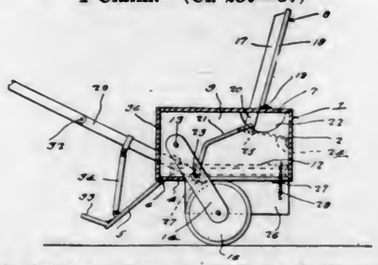
2,068,295

STROLLER

Lyle L. Kramer, Golconda, Nev.

Application November 26, 1935, Serial No. 51,675

1 Claim. (Cl. 280—37)



A foldable stroller comprising a body, retractible supporting wheels mounted for swinging movement on the body, a back rest pivotally mounted on the body for movement to operative or inoperative position, means operatively connecting the wheels to the back rest for actuation thereby to operative or inoperative position, said back rest including a pair of arms projecting into the body, and resilient latches mounted in the body and engageable with the free ends of the arms for releasably securing the back rest in operative position, said resilient latches including retaining shoulders for abutting engagement with said arms.

2,068,296

PROCESS FOR THE PRECIPITATION OF COPPER AND FOR THE TREATMENT OF SUBSTANCES CONTAINING COPPER AND NICKEL

Fritz Lausberg, Dusseldorf-Oberkassel, Germany, assignor to Firma Dr. Kurt Albert G. m. b. H., Neuss, Germany, a limited corporation

No Drawing. Application February 12, 1936, Serial No. 63,658. In Germany December 28, 1934

4 Claims. (Cl. 75—109)

1. Process for the precipitation of copper from solutions containing copper, by nickel, characterized by the precipitation taking place at temperatures above 100° C. and under increased pressure.

2,068,297

OESTRUS-PROMOTING SUBSTANCE FROM THE ANTERIOR LOBES OF THE HYPOPHYSIS AND PROCESS OF PREPARING IT

Carl Ludwig Lautenschläger, Frankfort-on-the-Main, Otto Schaumann, Wiesbaden, and Willy Ludwig, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Original application May 7, 1928, Serial No. 275,958. Divided and this application December 8, 1931, Serial No. 579,818. In Germany May 23, 1927

3 Claims. (Cl. 167—74)

1. In the process of preparing an oestrus-promoting substance from the anterior lobes of the hypophysis, the steps which comprise treating first the fresh anterior lobes of the hypophysis with an organic solvent liquid at ordinary temperatures and capable of dissolving lipoids, then separating the glands from the resultant solution and finally extracting said glands with water.

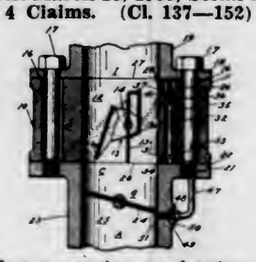
2,068,298

METHOD AND APPARATUS FOR OPERATING AN INTERNAL COMBUSTION ENGINE

William E. Leibing, Sausalito, Calif., assignor to Leibing Automotive Devices, Incorporated, San Francisco, Calif., a corporation of Nevada

Application March 18, 1935, Serial No. 11,741

4 Claims. (Cl. 137—152)



1. In a flow governing mechanism, a governor body; a main passage and an auxiliary passage

in said body connected by cross passages adjacent opposite ends of said main passage; a valve in said main passage; a sleeve in said auxiliary passage having an aperture aligned with one of said cross passages and terminating short of the other cross passage; a piston arranged to reciprocate in said sleeve, said piston having a portion of reduced diameter and a valve head thereon arranged to cooperate with said sleeve to form a chamber within said sleeve and a chamber immediately above said sleeve communicating with one of said cross passages; means to normally maintain said piston in a position to seal said chambers one from another, said valve being disposed between said cross passages whereby on being positioned in a flow restricting position, a differential of pressures is set up between said cross passages and said piston is moved to connect said chambers.

2,063,299

PAPER ARTICLE AND METHOD OF MAKING SAME

George J. Manson, Hawkesbury, Ontario, Canada, assignor of one-half to Nathaniel L. Foster, New York, N. Y.

No Drawing. Application June 24, 1931, Serial No. 546,672

13 Claims. (Cl. 92—21)

1. In a process of producing paper products, the step which comprises beating trim of a laminated material carrying a light-colored adhesive consisting of a saponifiable natural resin, and an oil selected from the group consisting of mineral and glyceride oils to produce a light-colored reconstituted pulp containing substantially all of the adhesive components from the trim and capable of being sheeted on a paper making machine.

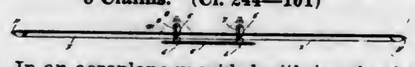
2,068,300

AEROPLANE

James V. Martin, Garden City, N. Y.

Application November 16, 1923, Serial No. 675,156

8 Claims. (Cl. 244—101)



1. In an aeroplane provided with two fuselages having boat shaped bottoms, alighting gear under each fuselage and means to retract the said gear within the streamline thereof.

2,068,301

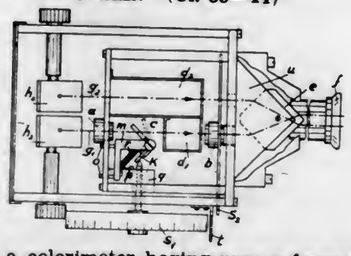
OPTICAL COLOR-MATCHING APPARATUS

Wilhelm Nagel, Freiburg in Breisgau, Germany

Application May 28, 1935, Serial No. 23,899

In Germany April 21, 1934

4 Claims. (Cl. 88—14)



2. In a colorimeter having means for passing light simultaneously through a substance to be tested and a color producing device, said color producing device comprising a polarizer and an analyzer, one of which is rotatable about its optical axis, a single slab of double refracting crystal having piano parallel surfaces, said crystal slab being mounted between said polarizer and said analyzer, means for tilting said crystal slab to set the faces of the same at varying angles to the optical axis to vary the effective thickness of the crystal to a beam of light passing through said color producing device, and means for comparing the light which has passed through the substance with the optically created color.

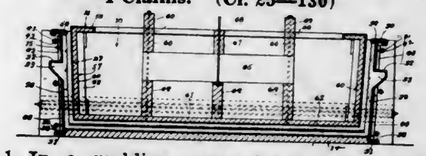
2,068,302

MOLDING APPARATUS

Edwin F. Nickol, Versailles, Ohio, assignor to Edwin F. Nickol, Inc., Versailles, Ohio, a corporation of Ohio

Application September 16, 1935, Serial No. 40,836

4 Claims. (Cl. 25—130)



1. In a molding apparatus, a pair of end walls, a pair of side walls abutting and extended outwardly from the side edges of the end walls, a bottom coacting with said walls providing a molding chamber, each of said walls at its top being formed with an outwardly directed angle-shaped part having a horizontal leg and a vertical leg depending from said other leg and constituting a combined support and coupler, spaced elements seated on, disposed transversely of, extending inwardly from and inter-engaging with the vertical legs of said parts constituting means for suspending a metallic reinforcing unit within said chamber in spaced relation to the inner faces of said walls and bottom, outwardly directed flanges at the lower ends of said walls, means coacting with said flanges for detachably maintaining said walls upstanding, tie devices extending through and coacting with the extended portions of the side walls for detachably maintaining the inner faces of the side walls against the side edges of the end walls, spaced upstanding supports mounted on the said parts of said side walls, a core for suspension in said chamber in spaced relation to said unit and provided with suspension bars seated on said spaced supports, and means for detachably clamping said bars, spaced supports and said parts of said side walls together.

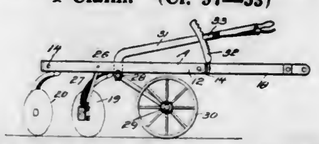
2,068,303

CULTIVATOR

Dale J. Priefert, Haswell, Colo.

Application July 31, 1936, Serial No. 93,730

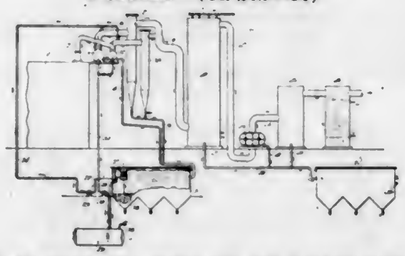
1 Claim. (Cl. 97—53)



A cultivator of the character described comprising a frame, cranked axles journaled on the frame at opposite ends thereof, ground wheels rotatably supported by said axles, levers connected with the axles for raising and lowering the same, means for latching the levers in adjusted position, stationary hangers depending

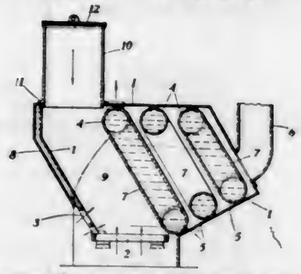
from said frame rearwardly of the axles, reversely angled rotatable disks journaled in said hangers, and double bars constituting said hangers and having block-like hubs fixed therein for axles of said disks.

2,068,304
MANUFACTURE OF ROAD MATERIALS
Edmund O. Rhodes, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application May 18, 1932, Serial No. 612,097
Renewed June 16, 1936
8 Claims. (Cl. 202—30)



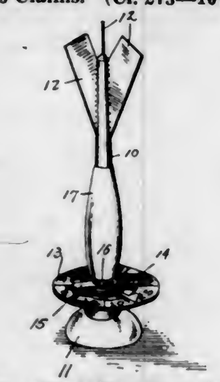
1. A process of preparing road material from materials condensed from vapors produced in a standard by-product coke oven plant comprising a coke oven battery for coking bituminous materials, a collecting main connected to the coke oven battery, a pipe connected to the collecting main and leading to a primary cooler, and a downcomer connected to said pipe between the collecting main and the primary cooler; which process comprises separately distilling a tar acid oil fraction and a creosote fraction from light tar collected from cooled vapors after leaving the downcomer of the said by-product coke oven battery in which bituminous material is being coked, mixing the residue thus obtained with heavy tar which is separately obtained from the collecting main, and heating the resulting mixture to dehydrate or partially distill the same and to form a residuum for road material.

2,068,305
BOILER
George Wilfrid Trotter, West Hartlepool, England
Application March 17, 1934, Serial No. 716,150
In Great Britain March 25, 1933
2 Claims. (Cl. 122—334)



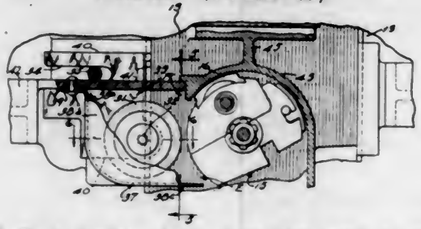
1. A boiler for coke and like fuels of small volatile content, having a fire box or combustion space with a fuel inlet to its upper end, said fire box or combustion space having forwardly inclined rear and front walls of rectilinear form in side elevation whereby the fire box becomes forwardly inclined as a whole, the rear wall being contiguous to said inlet and afforded by inclined water tubes spaced apart to form apertures for the passage of the hot gases from the fire box to the uptake and constituting the main surface to be heated, and the front wall being provided at the bottom with an air admitting opening of such size and extent that the line of draught through the fire box is upwardly inclined at an acute angle to the front wall and in a direction approaching the vertical, the angle between the front wall and the bottom grate being approximately vertically below the topmost outlet aperture in the rear wall, the whole being so arranged that fuel is maintained in contact with the entire rear wall so long as the supply of fuel is maintained.

2,068,306
GAME APPARATUS
Alexander Weinberg, New York, N. Y.
Application July 15, 1935, Serial No. 31,489
3 Claims. (Cl. 273—107)



1. A game apparatus comprising a shaft adapted to be put in motion by a player and to continue in motion when free from the control of the player, scoring means on the shaft comprising a dial with a score value marked thereon and an index to cooperate with the dial and free to move automatically with reference to the score values on the dial, said shaft having means to attach the body to a surface against which the body may be thrown.

2,068,307
DIE PROTECTOR
Walter H. Wheeler, Jr., Stamford, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application January 23, 1936, Serial No. 60,533
7 Claims. (Cl. 101—91)



1. In a device of the class described, a base unit, a detachable meter unit, a printing member carried by said meter unit and adapted to print indicia having a value registerable within the meter unit upon each printing operation

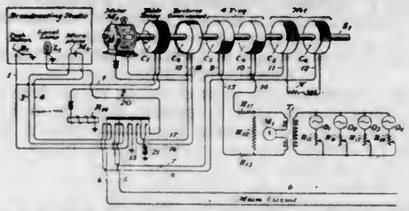
thereof, a removable inking member carried by said base unit and adapted to ink said printing member, and protective means associated with said base unit and cooperating with said meter unit to provide an enclosure for said inking member, whereby the taking of unregistered impressions from the printing member at the inking position after the inking member is removed, is prevented.

2,068,308
HOLDER OF TOOLS
Alfred Zerver, Remscheid-Vieringhausen, Germany
Application November 25, 1935, Serial No. 51,528
In Germany June 27, 1933
11 Claims. (Cl. 206—16)



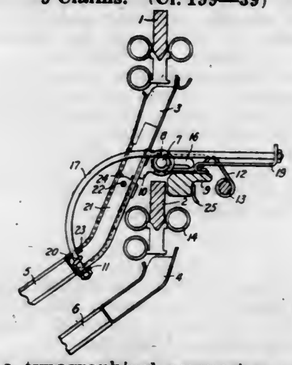
1. A holder for a set of end wrenches comprising a base, means carried by said base and engaging the jaws of one end of the wrenches to provide a pivotal support therefor, means carried by said base and formed to provide individual spring slots for engaging the shanks of said wrenches and maintaining them adjacent one another, said slots and support permitting an individual wrench to be pivoted about said support out of engagement with its slot for removal of the wrench and to be reversely pivoted to return the wrench to the holder.

2,068,309
TRANSMISSION MEASURING SYSTEM
Herman A. Affel, Ridgewood, and Fred H. Best, Westfield, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application August 18, 1933, Serial No. 685,775
17 Claims. (Cl. 179—175.3)



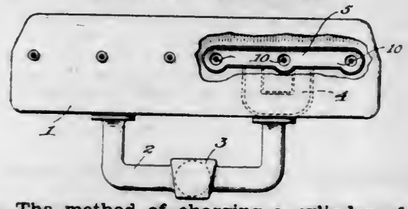
1. In a system for automatically determining the characteristics of an electrical transmission system, the combination with a source of power comprising a plurality of frequencies of a main transmission circuit whose electrical properties are to be determined by the transmission of the said power thereover, a branch circuit containing a translating device normally connected to said main circuit, a switching device to connect the said source of power to said circuit, the said device comprising means to limit the period of application of power to said circuit and also means to hold the said branch circuit disconnected from said main circuit during said period of application of power.

2,068,310
DISTRIBUTING MECHANISM OF TYPOGRAPHICAL COMPOSING AND DISTRIBUTING MACHINES
William Edgar Aynge, Upper Sydenham, London, England, assignor, by mesne assignments, to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application October 4, 1935, Serial No. 43,484
In Great Britain October 11, 1934
9 Claims. (Cl. 199—39)



1. In a typographical composing and distributing machine, the combination of a plurality of vertically superposed distributors and magazine entrances arranged in overlapping relationship for conducting matrices from the distributors to a corresponding plurality of magazines, of a pivot for an upper magazine entrance located at the rear thereof and above the next lower distributor, and a support for the said pivot displaceable relatively to the distributors to carry the entrance from and to operative position.

2,068,311
METHOD AND APPARATUS FOR INTRODUCING EXPLOSIVE CHARGES INTO INTERNAL COMBUSTION ENGINES
Joseph Rex Davis, Clarksburg, W. Va.
Application May 19, 1930, Serial No. 453,779
13 Claims. (Cl. 123—52)



1. The method of charging a cylinder of an internal combustion engine, which includes utilizing the pressures produced in the admission manifold adjacent an intake valve by the increasing space occurring in the cylinder during the operation of an intake valve for causing, during a following similar operation of an intake valve, a flow of gases against an intake valve.

2,068,312

HALOGEN-AMINO-FLAVANTHRONES AND PROCESS OF PRODUCING THE SAME

William Dettwyler, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application May 24, 1933, Serial No. 672,641. Divided and this application October 21, 1935, Serial No. 45,969

5 Claims. (Cl. 260—42)

5. 5,5'-dichloro-6,6'-diamino-flavanthrone.

2,068,313

COMPOUNDS OF THE ANTHRAQUINONE SERIES AND PROCESS FOR PRODUCING THE SAME

William Dettwyler, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application May 24, 1933, Serial No. 672,641. Divided and this application October 21, 1935, Serial No. 45,970

5 Claims. (Cl. 260—60)

3. An α,α'-dihalogen-tetra-β-acylamino-1,1'-dianthraquinonyl in which one acylamino group is attached to each anthraquinone molecule ortho to the dianthraquinonyl linkage, and in which one halogen and one acylamino group are attached in ortho position to each other in the benzene ring of each anthraquinone molecule remote from the dianthraquinonyl linkage.

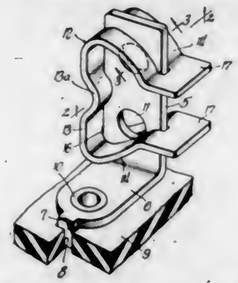
2,068,314

MULTIPLE TERMINAL CONNECTER

Frank A. Dotterer, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana

Application November 18, 1935, Serial No. 50,312

7 Claims. (Cl. 173—328)



5. A terminal connecter comprising, in combination, a flat plate having a pair of adjacent openings therethrough for receiving terminal members, and a substantially U-shaped leaf spring member surrounding said flat plate at each end and so arranged and constructed as to bias said terminal members toward the adjacent sides of said openings on insertion therein.

2,068,315

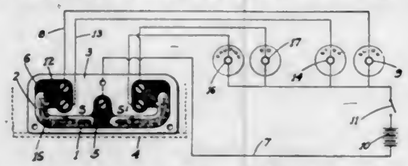
AUTOMATIC SIGNAL ACTUATING SWITCH FOR VEHICLES

Reuben Erich, Avenal, Calif., assignor of one-third to William J. Erich and one-third to Walter G. Erich, both of San Joaquin County, Calif.

Application April 29, 1933, Serial No. 668,529

2 Claims. (Cl. 200—52)

1. An inertia switch including an L shaped tube comprising a normally horizontal leg and an upstanding leg formed on one end of the horizontal leg, the opposite end of the latter being closed, an electrode projecting into the horizontal leg adjacent said closed end, liquid in the tube normally completely filling the horizontal leg and extending a certain distance up the upstanding leg, and another electrode projecting into said upstanding leg a predetermined distance above the normal level of the liquid therein; the liquid normally extending upwardly into the upstanding leg to a height sufficient to enable the horizontal leg of the tube to be tilted to lie at a predetermined downward angle from its closed end without the point in the upstanding leg, to which the liquid normally rises, being moved below the horizontal plane of the closed end of the horizontal leg.



2,068,316

ALTERNATING CURRENT REGULATOR

Samuel Francis Farkas, Fairfield, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 19, 1936, Serial No. 64,700

5 Claims. (Cl. 171—119)



1. In combination, a monocyclic square having two vertices connected to a constant potential source of alternating current and the other two vertices connected to a load circuit, said square having two capacity arms and two inductive arms, a protective winding mounted on a core operating at high flux densities, said winding being connected across the output circuit of the square to protect the square in case the load circuit is opened, and means to effect a slight varying unbalance of the square in a direction to increase the current output from the square when operating at higher voltages to compensate for the current drawn by said protective winding.

2,068,317

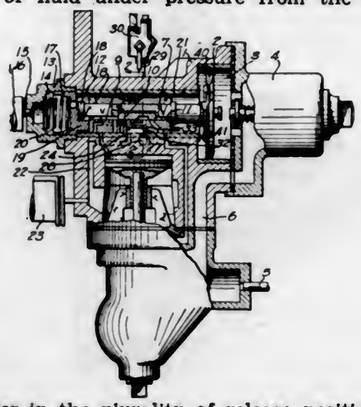
FLUID PRESSURE BRAKE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 2, 1934, Serial No. 738,083

1 Claim. (Cl. 303—36)

The combination with a triple valve device of the type comprising a casing having a brake cylinder exhaust passage and valve means movable to either one or another of a plurality of release positions for releasing fluid under pressure from the brake cylinder through said exhaust passage at different rates, of means adapted to be applied to said exhaust passage for synchronizing the rate of release fluid under pressure from the brake cylinder by operation of said triple valve device with that of another brake controlling valve device, said means comprising a fitting adapted to be secured to said casing within said exhaust passage and having a restricted port for controlling the rate of release of fluid under pressure from the brake cylinder in the plurality of release positions of said triple valve device.



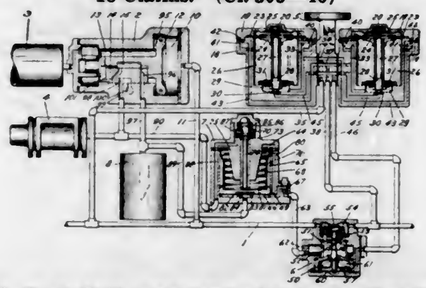
2,068,318

FLUID PRESSURE BRAKE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application February 13, 1935, Serial No. 6,322

18 Claims. (Cl. 303—46)



9. In a fluid pressure brake, in combination, a brake pipe, a brake cylinder, a reservoir, a movable abutment subject on one side to the pressure of the fluid in a chamber and controlling the supply of fluid under pressure from the reservoir to the brake cylinder, biasing means associated with said abutment and yieldingly urging the abutment to a position to cut off the supply of fluid from the reservoir to the brake cylinder, the abutment being moved to a position to permit fluid to flow from the reservoir to the brake cylinder on an increase in the pressure of the fluid in said chamber, means operative upon a reduction in the pressure of the fluid in the brake pipe for supplying fluid under pressure from the brake pipe to said chamber, and means operative by movement of the abutment by fluid under pressure supplied to said chamber from the brake pipe for supplying fluid under pressure to said chamber.

2,068,319

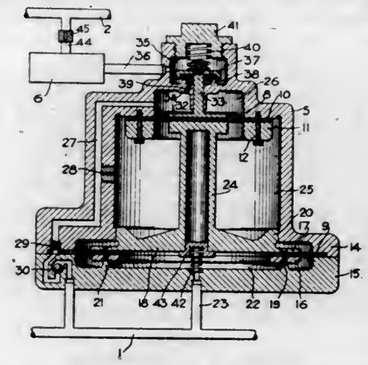
BRAKE CONTROL

Ellery R. Fitch, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 27, 1935, Serial No. 51,780

13 Claims. (Cl. 303—48)

1. In a fluid pressure brake, in combination, a straight air pipe adapted to be supplied with fluid under pressure for effecting an application of the brakes, a brake cylinder communicating with said pipe, a source of fluid under pressure, and a valve device operative in response to the pressure of fluid supplied to said straight air pipe to supply fluid under pressure from said source through said straight air pipe to the brake cylinder.



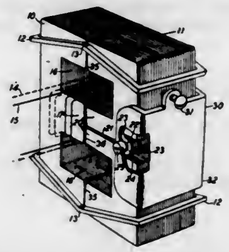
2,068,320

INDUCTANCE DEVICE

Dwight W. Grant, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 9, 1935, Serial No. 48,958

7 Claims. (Cl. 171—119)



1. A magnetic core comprised of two similar E-shaped structures with their legs in juxtaposition and providing two closed magnetic paths having a common path in the center leg of the E sections, one E section being slotted in its center leg to subdivide the path, and means for bending the slotted E-shaped member to form an air-gap between the center leg of the complementary E sections forming the completed core.

2,068,321

BENZOYL BENZOIC ACID COMPOUNDS AND PROCESS FOR PRODUCING THE SAME

Ivan Gubelmann, Wilmington, Del., and John M. Tinker, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 27, 1935, Serial No. 28,668

4 Claims. (Cl. 260—64)

3. A compound of the class consisting of 4'-halogeno-3'-cyano-2-benzoyl-benzoic acid and its halogen substitution products, wherein the halogen is present in at least one of the positions 3, 4, 5 and 6.

2,068,322

METALLURGY

Charles Hardy, Pelham Manor, N. Y., assignor, by mesne assignments, to Charles Hardy, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 4, 1935, Serial No. 52,828
12 Claims. (Cl. 75—122)

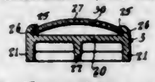
1. A process for melting a difficultly fusible alloy ingredient containing carbon and for incorporating it into a molten bath of base metal having a lower melting point than the alloy ingredient which comprises submerging in the molten bath a solid mass containing the alloy ingredient, the carbon and metallic calcium, and maintaining the solid mass in contact with the molten bath until the calcium has reacted with the carbon to form substantially insoluble calcium carbide, whereby a zone of intense heat is created adjacent the solid mass and the melting thereof is facilitated.

2,068,323

DISPLAY TURNSTILE

Merton E. Harrison, Rancho Santa Fe, and Albert V. Echternach, Beverly Hills, Calif.; said Echternach assignor to said Harrison

Application August 24, 1935, Serial No. 37,720
4 Claims. (Cl. 40—77)



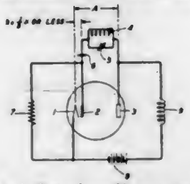
1. A turnstile comprising a hub member rotatable about a vertical axis having gate arms secured thereto, with stationary means for pivotally supporting said hub for rotation about its axis, in combination with a hollow dome of transparent material bearing display transparencies and a lamp positioned within the dome.

2,068,324

SHORT-WAVE ELECTRON TUBE CIRCUIT

Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 19, 1936, Serial No. 64,697
10 Claims. (Cl. 250—36)



1. An electron tube circuit comprising an electron tube having a cathode, an anode, and a control electrode, and means for impressing between the control electrode and cathode of said tube a wave the periodicity of which is comparable with the electron transit time from cathode to anode, the control electrode-cathode spacing in said tube being as small as possible consistently with mechanical stability and adequate electrical insulation at all times.

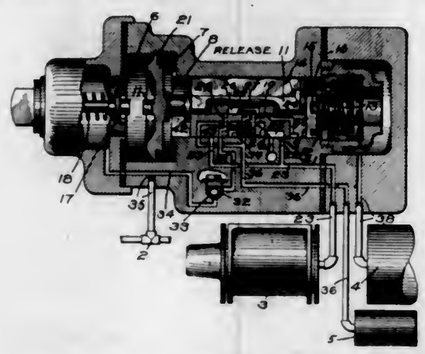
2,068,325

FLUID PRESSURE BRAKE

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application January 29, 1932, Serial No. 589,632
18 Claims. (Cl. 303—38)

1. In a fluid pressure brake, the combination with a brake pipe, of a triple valve device comprising a main valve, a graduating valve, and a piston operated upon a reduction in brake pipe pressure for moving said graduating valve with respect to said main valve to a position for locally venting fluid from the brake pipe,



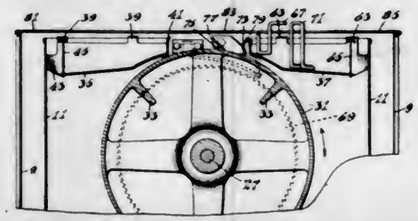
yielding means for opposing further movement of said graduating valve with respect to the main valve, and an additional yielding means for also opposing said further movement of the graduating valve.

2,068,326

CANDY DIPPING MACHINE

William A. Horberg, Winchendon, Mass.

Application January 14, 1935, Serial No. 1,739
3 Claims. (Cl. 91—4)



3. A dipping machine for use in coating candy centers, comprising a kettle for melted coating material, a feed roller in the kettle with its lower portion submerged in the coating material, mechanism for rotating the roller, an open-front dipping pan with its front end facing the receding periphery of the roller, and a baffle plate so located between the periphery of the roller and the front end of the dipping pan that coating material carried on the periphery of said roller is directed into the dipping pan.

2,068,327

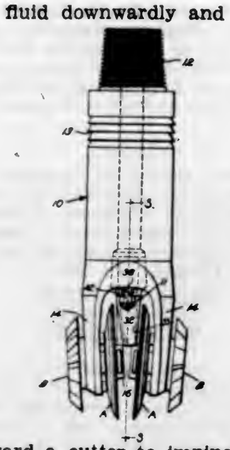
DISK BIT

John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif.; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application April 27, 1935, Serial No. 18,547
10 Claims. (Cl. 255—71)

1. A well bit including a shank, spaced legs on the lower end of the shank, spaced rotatable disk cutters at the inner sides of the legs, there being a fluid passage in the shank, and a nozzle at the lower end of the passage projecting downwardly between the cutters, the nozzle having branches each located and formed to direct a

stream of fluid downwardly and laterally outwardly toward a cutter to impinge against the same adjacent the bottom of the well bore.

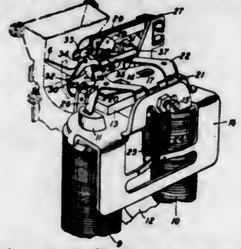


2,068,328

COIN CONTROLLED APPARATUS

Frederick A. Hoyt, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 27, 1935, Serial No. 38,035
6 Claims. (Cl. 194—16)



1. In a coin controlled apparatus, a coin hopper, a trigger pivoted externally of said hopper but projecting therein, a cam portion on said trigger, an angle piece pivoted coaxially with said trigger, a contact spring pile-up comprising three or more springs, one of which springs is tensioned to force said other springs into contact, said cam portion of said trigger when in its unoperated position adapted to restrain said one spring, said spring when the trigger is in its operated position adapted to maintain said trigger in the operated position and to force said contacts together, an electromagnet, an armature therefor and restoring arms associated with said armature, said restoring arms when in normal unoperated position adapted to hold said angle piece from rotation about its pivot in one direction and when said armature is operated adapted to move said angle piece against said contact springs whereby said one spring is caused to release said trigger, whereupon said trigger restrains said one spring from forcing said other springs into contact.

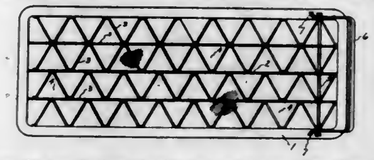
2,068,329

GRID FOR ICE TRAYS

Victor N. Hybinette, Jackson, Mich., assignor to The Nicralumin Company, Jackson, Mich., a corporation of Michigan

Application June 19, 1933, Serial No. 676,516
16 Claims. (Cl. 62—108.5)

1. In combination, a container for substances to be coagulated having side walls and a bottom, a removable grid for defining a plurality of compartments within said container comprising adjacent sections coacting to define said compartments, said sections being contiguous yet freely disposed relative to each other along the greater portion of their associated extent, connecting means loosely bundling together said sections,



said sections being held in position by the walls of said container and supported upon the bottom thereof, the sections of said grid being readily movable relative to each other upon removal from said container whereby the coagulated substance located within the compartments is released.

2,068,330

STRAND HANDLING APPARATUS

Richard D. Jessup, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 10, 1934, Serial No. 752,435
5 Claims. (Cl. 91—55)



1. In a strand handling apparatus, a continuously running capstan for receiving and advancing strand material, means for rotating said capstan, and clamping means for gripping the strand material and holding it against advancement on the capstan without stopping the rotation of said capstan.

2,068,331

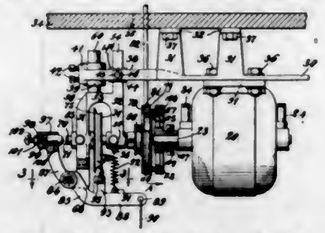
FRICTION CLUTCH DRIVING MECHANISM

Jacob Katzman, Brooklyn, N. Y.

Application May 24, 1935, Serial No. 23,168
5 Claims. (Cl. 192—17)

1. In a friction clutch driving mechanism the combination of a supporting bracket, a journal bracket, means to suspend the journal bracket from the supporting bracket, a driving shaft slidably journaled in said journal bracket, a pulley having a bearing face fastened to the shaft, an electric motor with its armature shaft normally coaxial with said driving shaft, a disc fastened to the armature shaft of the electric motor, a friction ring supported in said disc coacting with the bearing face of the pulley and means to slidably move the driving shaft to position the pulley with its bearing face against

said friction ring, the means suspending the journal bracket from the supporting bracket constructed to tilt the said driving shaft in all



directions to locate the plane of the bearing face of the pulley parallel to the plane of the friction ring.

2,068,332

METHOD AND MEANS OF COLLECTING DUST FROM AN AIR CURRENT

Richard F. Kneisley, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio

Application June 24, 1936, Serial No. 86,929

5 Claims. (Cl. 183—67)



1. The method of extracting dust from air directed into a porous walled dust collecting bag, which consists in discharging dust laden air into the mouth of the bag, deflecting such air to have its discharge outwardly against the side wall of the bag adjacent to its mouth and thence down along such wall in sweeping engagement therewith throughout a substantial portion of its area to remove dust particles therefrom, the air current at the bottom portion being swerved inwardly to and upwardly through the central portion of the bag.

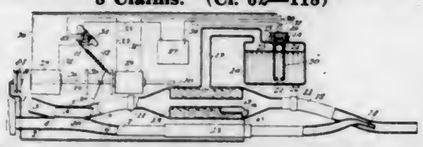
2,068,333

REFRIGERATING APPARATUS

Karl W. Krummell, Pittsburgh, Pa.

Application November 26, 1935, Serial No. 51,610

8 Claims. (Cl. 62—118)



1. In refrigerating apparatus arranged to be operated on the absorption system in connection with a source of fluid heat, the combination with an absorbent chamber, a heat-exchange chamber and a passage connecting the chambers, of a duct to which the wall of the absorbent chamber is exposed, a second duct for the escape of the fluid heat, and means for alternately causing the fluid heat to travel through the first duct and heat the absorbent chamber and to cause air to travel through the first duct to cool the chamber and the fluid heat to travel through the second duct.

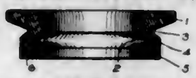
2,068,334

PIPE COUPLING GASKET

Anton K. Kusebauch, Bellevue, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application February 2, 1935, Serial No. 4,622

3 Claims. (Cl. 288—1)



1. A flexible ring gasket comprising an annular flange portion and a seat portion, and provided with an interior annular groove and an exterior annular groove forming a web portion connecting the flange portion with the seat portion, the web portion being narrow in extent to provide rigidity on the one hand to ensure firm seating, and flexibility on the other hand to ensure adjustment of the seating face to conform to a plane at an angle to the normal plane.

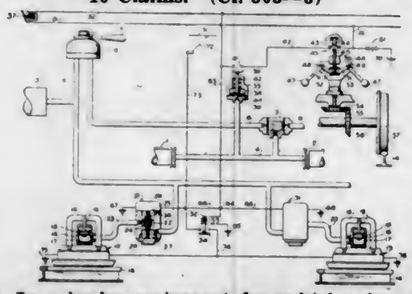
2,068,335

MAGNETIC TRACK BRAKE

Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 18, 1935, Serial No. 55,055

10 Claims. (Cl. 303—3)



1. In a brake equipment for vehicles, in combination, a brake cylinder, means for supplying fluid under pressure to said brake cylinder to effect a fluid pressure application of the brakes, magnetic track shoe braking means, electrically controlled means for lowering said track shoe braking means into engagement with the track rails, electrically controlled means for controlling the energization of said track shoe braking means, means responsive to the supply of fluid under pressure to said brake cylinder for effecting the energization of said electrically controlled means to cause the application of said magnetic track shoe braking means, and means responsive to vehicle speed for effecting the deenergization of said electrically controlled means to cause the release of said magnetic track shoe brake prior to the complete stopping of the vehicle.

2,068,336

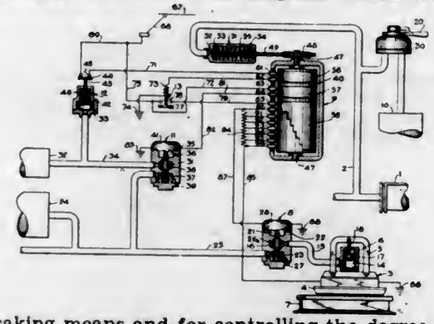
MAGNETIC BRAKE

Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 18, 1935, Serial No. 55,056

19 Claims. (Cl. 303—3)

1. In a brake equipment for vehicles, in combination, a brake cylinder, means for supplying fluid under pressure to said brake cylinder to effect an application of the brakes, a magnetic track shoe braking means, means including a pressure operated switch and an electric controller responsive to the supply of fluid under pressure to said brake cylinder for controlling the application of said magnetic track shoe



braking means and for controlling the degree of application thereof in accordance with brake cylinder pressure, and electrically controlled means for gradually venting fluid under pressure from said pressure operated switch device upon movement of said controller to a brake applying position to effect the release of said magnetic track shoe braking means at a predetermined time after application thereof.

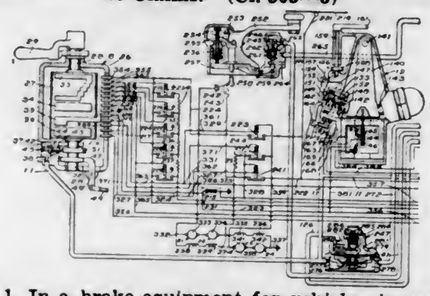
2,068,337

TRAIN BRAKING SYSTEM

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 3, 1934, Serial No. 751,340

29 Claims. (Cl. 303—3)



1. In a brake equipment for vehicles, in combination, a brake cylinder, an electric brake, manually operable means for controlling the supply of fluid under pressure to said brake cylinder and for controlling said electric brake, a retardation controller responsive to the rate of deceleration of the vehicle for regulating the degree of fluid pressure in said brake cylinder, and manually operable means independent of said brake controlling means for varying the setting of said retardation controller under service conditions.

2,068,338

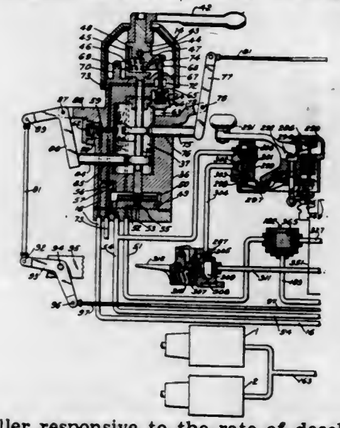
BRAKE CONTROL SYSTEM

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application January 30, 1935, Serial No. 4,008

33 Claims. (Cl. 303—3)

1. In a brake equipment for vehicles, in combination, a brake cylinder, an electrical braking means, manually operable means for controlling the supply of fluid under pressure to said brake cylinder and for controlling the application of said electrical braking means, and a retardation



controller responsive to the rate of deceleration of the vehicle for regulating the degree of fluid pressure in said brake cylinder and the degree of application of said electrical braking means.

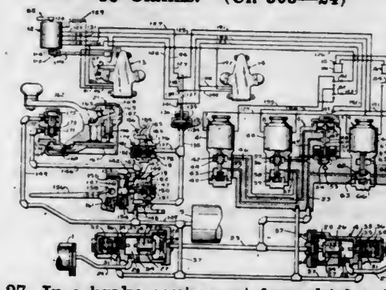
2,068,339

RETARDATION CONTROLLED BRAKE

John W. Logan, Jr., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Limited, Wilmerding, Pa., a corporation of Pennsylvania

Application June 22, 1934, Serial No. 731,851

36 Claims. (Cl. 303—24)



27. In a brake equipment for vehicles, in combination, braking means, means for releasing said braking means to limit the rate of deceleration of the vehicle, and means for varying the rate of making said release in accordance with variations in the speed of the vehicle.

2,068,340

ELECTRIC AND FLUID PRESSURE BRAKE SYSTEM

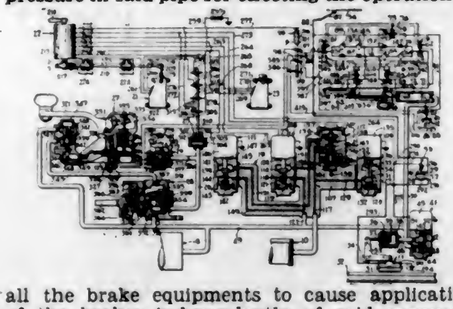
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application February 28, 1936, Serial No. 66,235

26 Claims. (Cl. 303—3)

1. In a vehicle brake system, in combination, a fluid pressure brake equipment, a magnetic track shoe brake equipment, a dynamic brake equipment, a manually operable element for controlling the operation of all the brake equipments to cause application and release of the brakes, a pipe normally charged with fluid under pressure,

and means operably responsive to a reduction of pressure in said pipe for effecting the operation of



all the brake equipments to cause application of the brakes independently of said manually operable element.

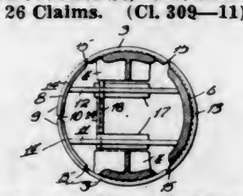
2,068,341

PISTON

Elmer C. Long, Quincy, Ill., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich., a corporation of Michigan

Application November 22, 1919, Serial No. 339,892

26 Claims. (Cl. 309—11)



10. A piston comprising a head, pin bosses depended from the head, a flexible skirt, and connecting means from the pin bosses comprising instrumentalities having cooperable connection with the skirt for contracting the skirt as the pin bosses are moved outwardly by expansion of the head.

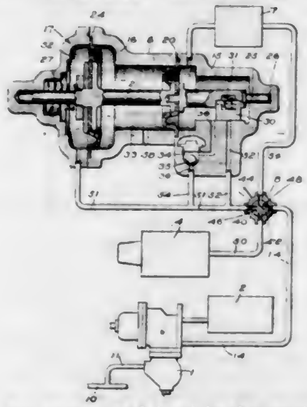
2,068,342

LOAD BRAKE DEVICE

Glenn T. McClure, McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 19, 1935, Serial No. 45,697

15 Claims. (Cl. 303—23)



1. In an empty and load brake equipment, in combination, a brake pipe, a brake cylinder, a brake controlling valve device operated by variations in the pressure of the fluid in the brake pipe and controlling the supply of fluid from a reservoir to a passage through which fluid may be supplied to the brake cylinder, and valve means subject to the opposing pressures of the fluid supplied to said passage and of the fluid supplied to the brake cylinder and controlling communication through said passage.

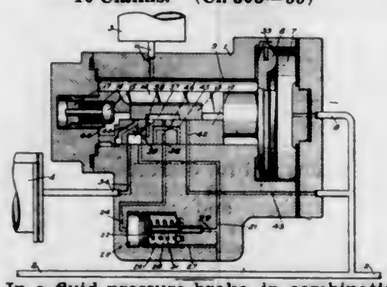
2,068,343

QUICK SERVICE DEVICE

Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 9, 1935, Serial No. 48,953

10 Claims. (Cl. 303—39)



1. In a fluid pressure brake, in combination, a brake pipe, a brake controlling valve device operated upon a reduction in brake pipe pressure for effecting an application of the brakes and for venting fluid under pressure from the brake pipe to a chamber, and means operated according to the degree of pressure of fluid built up in said chamber for increasing the volume of said chamber and maintaining said increased volume so long as fluid pressure is maintained in said chamber.

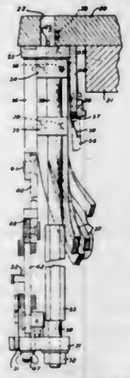
2,068,344

SAMPLING DEVICE

James M. McManus, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 3, 1934, Serial No. 723,715

2 Claims. (Cl. 193—31)



1. In an article forming press having a die, a support attached to the die, means on the support movable into one position to normally receive articles from the die and movable into another position, and means, caused to become operative by the receiving means in moving, to interpose between the die and the receiving means to divert articles from the receiving means.

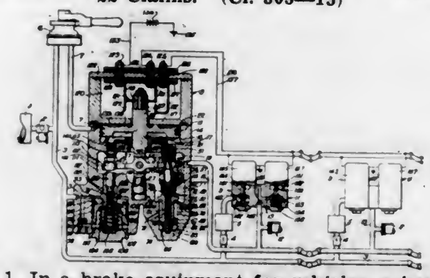
2,068,345

ELECTROPNEUMATIC BRAKE EQUIPMENT

Donald L. McNeal, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 19, 1935, Serial No. 45,698

22 Claims. (Cl. 303—15)



1. In a brake equipment for vehicles, a brake cylinder, means for controlling the application and release of the brakes comprising a brake valve device, a relay device responsive to the operation of said brake valve device and having an electrical portion and a pneumatic portion actuated by a common movable element, electrical means responsive to the operation of said relay device for controlling the supply of fluid under pressure to, and the release of fluid under pressure from, said brake cylinder, and valve means also responsive to the operation of said relay device for controlling the supply of fluid under pressure to and the release of fluid under pressure from said brake cylinder for controlling the application and release of the brakes upon failure of the operation of the electrical means.

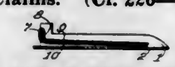
2,068,346

MEANS FOR SHAPING AND TRANSFERRING SUBSTANCES INTO RECEPTACLES

Roger L. Messerly, Waterloo, Iowa, assignor to The Rath Packing Company, Waterloo, Iowa, a corporation of Iowa

Application October 24, 1935, Serial No. 46,472

2 Claims. (Cl. 226—18)



1. A packing and shaping mold-tray adapted to transfer its shaped contents in a single coherent body into and to fit the interior of a casing, comprising a body member having a bottom wall, raised side walls, and having an open top and open ends, and a compression lid mounted between the side walls and having an upset end part within an end part of the tray and both pivotally and slidably connected to the side walls and serving to shape the contents of the tray coherently, the lid when opened and swung rearwardly out of the tray subsiding to cause said upset end part to close that end of the tray.

2,068,347

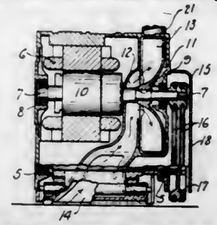
SANDING MACHINE

Harry L. Myers, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio

Application July 24, 1936, Serial No. 92,457

3 Claims. (Cl. 51—176)

1. In a sanding machine, a housing, a sanding drum and motor mounted in the housing with their shafts transverse thereto, a driving connection between said shafts, a fan mounted on the motor shaft within one side portion of the housing, means forming a chamber enclosing the fan, and a dust collecting conduit with its receiving mouth adjacent to the drum periphery and



with its throat between the fan and motor and in central communication with the fan chamber, said chamber having an outlet.

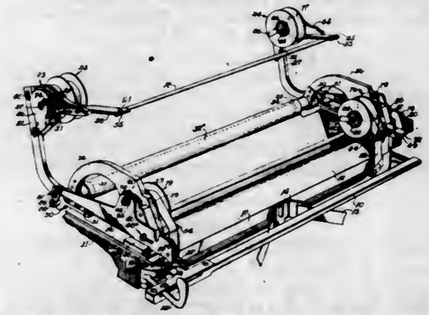
2,068,348

MULTIPLE COPY TYPEWRITING MACHINE

Lewis D. Nelson, Coldwater, Mich, assignor to James C. Trimby, Detroit, Mich., and Harry D. Atwood, Coldwater, Mich.

Application May 22, 1933, Serial No. 672,197

10 Claims. (Cl. 197—153)



1. In a typewritting machine having a laterally shiftable paper carriage carrying a rotary platen, the combination of a tube extending along the rear side of said carriage and pivotally mounted thereon, a pair of arms rigid with opposite ends of said tube and swingable forwardly and downwardly to a position overlying said platen, a pair of alined shafts rotatably mounted upon the forward ends of the respective arms, spools rotatably mounted on said shafts and each adapted to be coupled for rotation therewith or to be uncoupled therefrom, a copy-printing ribbon having opposite ends wound upon said spools and an intermediate portion stretched between said arms, a pair of oscillatory members on the free ends of said arms each having a ratchet drive connection with one of said shafts, a shaft extending through said tube and carrying cranks at opposite ends, a pair of horizontally reciprocable bars extending alongside of said arms and each having one end connected to the free end of one of said cranks and the other end connected to one of said members eccentrically of the axis thereof, and means operable as an incident to normal operation of said machine to reciprocate one of said bars.

2,068,349

DUSTING TOOL

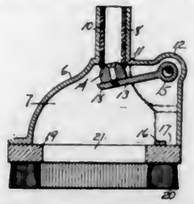
Wilbur V. Paine, East Hartford, Conn., assignor to The Spencer Turbine Company, Hartford, Conn., a corporation of Connecticut

Application May 20, 1935, Serial No. 22,351

9 Claims. (Cl. 15—155)

1. A dusting tool including a body with a chamber therein having a mouth leading into said

chamber and an outlet therefrom, a valve member pivotally mounted within said chamber and a holding member to retain said valve in an open



position against suction within the chamber, said members being relatively movable to release said valve from said holding member.

2,068,350

PREPARATION OF DYESTUFFS OF THE ANTHRAQUINONE SERIES

William L. Rintelman, Carrollville, and William H. Lycan, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 23, 1935, Serial No. 46,338

6 Claims. (Cl. 260—61)

1. In the preparation of a brominated dimethoxy-dibenzanthrone wherein the bromination is carried out in concentrated sulfuric acid, the step which comprises neutralizing any free bromine contained in the solution at least as soon as the sulfuric acid solution becomes diluted with water.

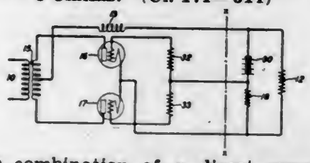
2,068,351

GRID CONTROLLED RECTIFIER CIRCUIT

George H. Rockwood, Jr., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 23, 1936, Serial No. 76,012

8 Claims. (Cl. 171—314)



3. The combination of a direct current load circuit, an alternating current supply, a rectifier interposed between said supply and said direct current load circuit for delivering rectified current to said load and having a control grid whose bias determines the output of the rectifier, a battery associated with said rectifier and said load circuit and adapted to be charged by current from said rectifier under predetermined load current conditions, and means for biasing the grid of said rectifier in accordance with the charge current through said battery to regulate the rectifier output accordingly.

2,068,352

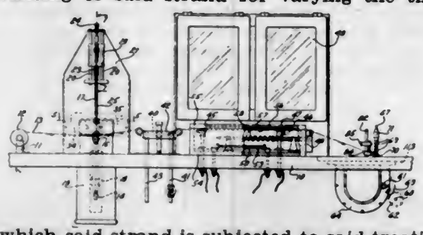
TUNGSTEN WIRE REDUCING MACHINE

Henry V. Schlacks, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 15, 1931, Serial No. 544,511

16 Claims. (Cl. 176—4)

3. In a material treating apparatus, means for advancing a strand, a treating tank, a treating solution disposed in said tank for varying the size of the strand, and means for raising or lowering the strand in said treating bath during the advancing of said strand for varying the time



in which said strand is subjected to said treating bath.

2,068,353

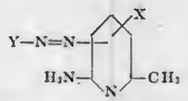
ARYLAZODIAMINO-PICOLINES

Herman J. Schneiderwirth, Laurelton, N. Y., assignor to Picochrome Corporation, Jamaica, N. Y., a corporation of New York

No Drawing. Application December 24, 1935, Serial No. 56,085

6 Claims. (Cl. 260—42)

1. Chemical compounds having the following formula:



in which X represents NH_2 in either the third or fourth position of the ring and Y represents the radical of a diazotized amino-cresol having antibacterial and anesthetic properties.

2,068,354

SEPARABLE FASTENER

Elliot O. Seaver, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania

Application September 2, 1933, Serial No. 687,989

2 Claims. (Cl. 24—205)



1. A separable interlocking fastener comprising a pair of flexible stringers, fastener elements arranged along the adjacent edges of said stringers in uniformly spaced relation, said fastener elements each comprising a block-like member having a transversely extending notch dividing the block into a base portion and an interlocking portion, said interlocking portion having a projection on one side and a correspondingly shaped recess on the opposite side, said base portion and said interlocking portion including said projection being coextensive in a direction longitudinally of the fastener, said base portion being longitudinally slotted to receive the edge of the tape, the entire surfaces of said slot being adhesively secured to the tape.

2,068,355

VULCANIZATION OF RUBBER

Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application August 6, 1935, Serial No. 34,941

24 Claims. (Cl. 18—53)

1. A method of vulcanizing rubber which comprises heating rubber and sulfur in the presence of a rubber vulcanization accelerator comprising a product obtainable by reacting a methylol carbamide, the carbamyl carbon atom of which is directly joined to one member of a group consisting in sulfur and oxygen atoms, and a dithiocarbamic acid.

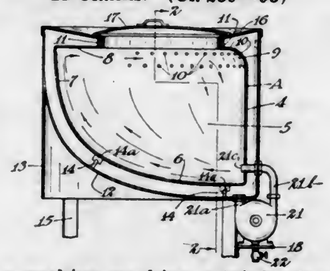
2,068,356

WASHING MACHINE

Carl J. Soderholm, Minneapolis, Minn.

Application November 14, 1935, Serial No. 49,741

11 Claims. (Cl. 259—95)



1. In a washing machine, a tub having a rearwardly extending deflector joining the upper portion of its front and having the upper portion of the remainder of the tub inwardly curved adjacent the level of said deflector, the inwardly curved portion having a multiplicity of horizontally spaced drain apertures therein, certain of which are located at different levels, means for circulating washing fluid upwardly along the front of the tub to strike said deflector and means for catching the fluid draining through said apertures and supplying said circulating means with the drained washing fluid.

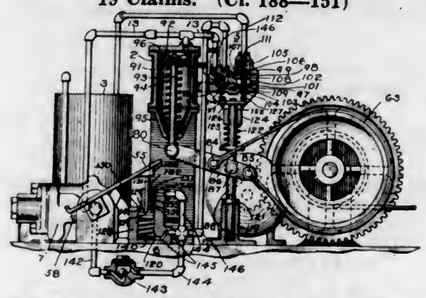
2,068,357

BRAKE AND CLUTCH CONTROL DEVICE

Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application April 26, 1933, Serial No. 668,011

19 Claims. (Cl. 188—151)



1. The combination with a driven member, power means for driving said driven member and means for arresting movement of said driven member, of manually operable means for controlling the arresting means, and means automatically actuated upon movement of said driven member to effect an indication through the manually operable means when power is applied to said driven member.

2,068,358

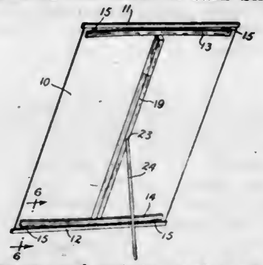
STAND FOR DISPLAY DEVICES

William Stuebing, Jr., Cincinnati, Ohio

Application March 29, 1934, Serial No. 717,877

8 Claims. (Cl. 40—125)

1. In a display device of the character described, in combination, a flexible display sheet having binding members secured to opposite edges thereof, a resilient stretching member rigidly engaging one of said binding members at two spaced points, a similar stretching member rigidly engaging the other of said binding members at two spaced points, and a strut secured between said stretching members to camber said stretching members between their points of engagement with said binding members, the length of said strut being greater than the normal distance between said stretching members.



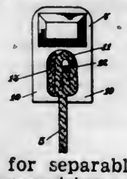
2,068,359

SEPARABLE FASTENER

Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania

Application September 1, 1933, Serial No. 687,802

4 Claims. (Cl. 24—205)



3. A stringer for separable fasteners of the class described, comprising an elongated narrow fabric tape with a single ply base portion and a beaded edge providing shoulders on both sides of the plane of said tape, said beaded edge being relatively narrow so that it is adapted to be completely embraced by the jaws of the separable fastener elements, said beaded edge consisting of folds of the tape to provide the shoulder on one side of the plane of the base portion, and means forming the shoulder on the opposite side of the plane of said base portion.

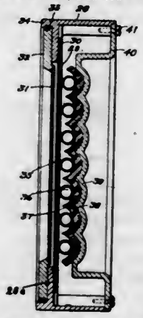
2,068,360

LUMINOUS SIGN

Harry R. Van Deventer and John J. Shively, New York, N. Y., assignors to Neosign Corporation, a corporation of Delaware

Application April 30, 1935, Serial No. 19,039

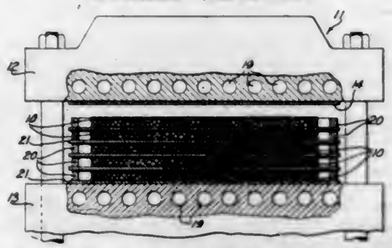
14 Claims. (Cl. 40—132)



1. In a sign, a body having an inwardly ex-

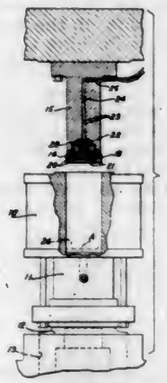
tending flange, a transparent member resting against the inner surface of said flange, illuminating means adjacent the rear surface of said member, a reflector in the rear of said means, a rear casing and resilient means supported on said casing for positioning said illuminating means and reflector relative to said member.

2,068,361
METHOD OF WORKING MOLDABLE MATERIAL
Henry L. Ward, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 9, 1933, Serial No. 675,020
3 Claims. (Cl. 18—55)



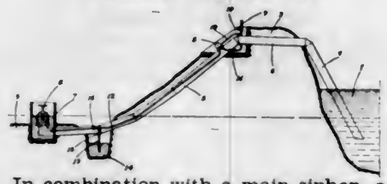
2. The method of manufacturing vulcanized hard rubber sheets of predetermined thicknesses which comprises applying heat to a plurality of vulcanized hard rubber sheets of an oversize thickness to soften the same, stacking said sheets, applying pressure to said softened and stacked sheets to reduce their thickness, and positively and individually stopping the application of pressure to the respective sheets.

2,068,362
APPARATUS FOR EXTRUDING MATTER
John Wells, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1935, Serial No. 1,123
1 Claim. (Cl. 207—16)



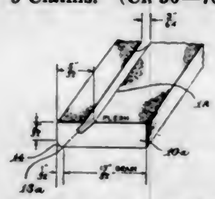
In a cable sheath extruding press, an open cylinder for receiving molten metal, a plunger for extruding metal from said cylinder, said plunger being adapted to be withdrawn from the cylinder to permit pouring a fresh charge of molten metal therein, and readily replaceable electrical heating means within the end of the plunger for fusing the surface of the preceding charge prior to withdrawal of the plunger.

2,068,363
SIPHON ATTACHMENT
Louis S. Wetmore, Stockton, and Oscar C. Goeriz, Oakland, Calif.; said Goeriz assignor to said Wetmore
Application September 30, 1935, Serial No. 42,844
2 Claims. (Cl. 137—20)



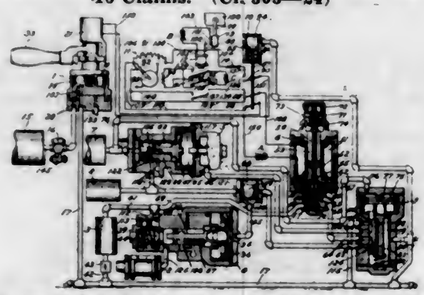
1. In combination with a main siphon, a pilot siphon connected to and leading downwardly from the bottom of the main siphon adjacent the highest point thereof, said pilot siphon including a curved ejector interposed therein, and an air pipe leading from the top of the main siphon at the highest point thereof to a connection with the discharge leg of said ejector on the inner curve thereof.

2,068,364
WELT
Pearl C. Arnold, West Hanover, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application April 22, 1936, Serial No. 75,731
5 Claims. (Cl. 36—78)



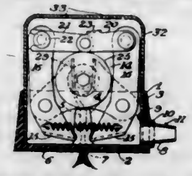
1. Leather welting for shoes having a sewing groove in its flesh face the lie of the groove being such that the plane of each wall thereof forms an acute angle with the plane of the inseam edge of the welt.

2,068,365
BRAKING APPARATUS
George W. Baughman, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 16, 1935, Serial No. 2,042
16 Claims. (Cl. 303—24)



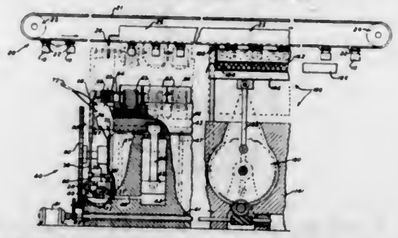
1. In a fluid pressure brake for a vehicle, the combination with a brake pipe, of a valve device operated upon a decrease in pressure for effecting an application of the brakes and operated upon an increase in pressure for effecting a release of the brakes, means operable to effect an increase in pressure in said valve device, means operable upon a predetermined reduction in the pressure of the fluid in said brake pipe to render the first mentioned means effective to increase the pressure in said valve device, and a retardation controller device responsive to the rate of deceleration of the vehicle for controlling the operation of the first mentioned means.

2,068,366
APPARATUS FOR WAVING HUMAN HAIR
William H. Bleuel, Dormont, Pa., and Samuel Steck, Steubenville, Ohio
Application April 24, 1934, Serial No. 722,115
16 Claims. (Cl. 132—36)



1. In apparatus for waving human hair, the combination with a mandrel upon which the lock of hair is wound, of a scalp protector of flexible waterproof material such as rubber comprising an extended oblong base arranged to bear on the scalp and an elongated neck disposed along the longitudinal center of the base and stepped inwardly from the perimetral edges of the same, said neck having a similarly elongated throat through which the hair is led to the mandrel, means arranged to laterally compress the neck to clamp and seal the hair in the throat, and an inclosure consisting of an open bottom box arranged to be set down over the apparatus, said protector having an upwardly extending continuous flange into which the lower edge of said box is stepped for sealing the same against the escape of fluid therefrom.

2,068,367
METHOD OF AND APPARATUS FOR MANUFACTURING ARTICLES
William B. Bohannon, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1934, Serial No. 719,136
7 Claims. (Cl. 91—55)



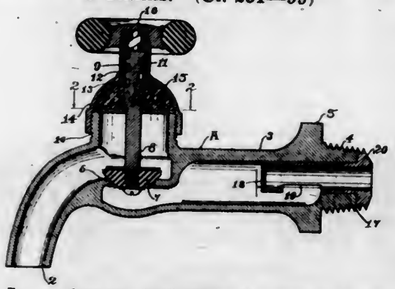
2. In an apparatus for treating articles having internal metal parts, an open mouthed housing, means to close the housing, a conductive helix concentric with the housing, means to supply an alternating electric current to the helix, and means to create a vacuum within the housing, in combination with means to treat an article with liquid material.

2,068,368
SECURING DEVICE
George A. Bouvier, Chicago, and Homer W. Larson, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 15, 1935, Serial No. 1,832
3 Claims. (Cl. 287—103)



1. In a device for supporting a conductor against longitudinal pull, a sheet metal member and a wire extending from the member for attachment to a support, the member having a struck up portion forming a loop extending across an opening formed in striking up the loop, the attaching wire passing under the loop and being secured in place by being bent into the opening under the loop, the side of the loop in the direction where longitudinal pulling forces are exerted on the wire being offset with respect to the corresponding side of the opening in a direction along the wire to permit a bend in the wire having a small angle with reference to the axis of the wire, the other side of the loop being substantially in alinement with the edge of the opening corresponding thereto so as to cause a sharp bend in the wire at this point.

2,068,369
FAUCET
Charles J. Brown, St. Paul, Minn.
Application September 3, 1935, Serial No. 38,899
2 Claims. (Cl. 251—95)

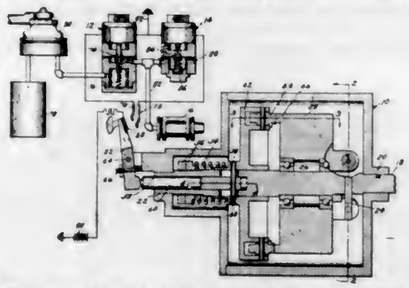


1. In a faucet including a casing having a passageway therethrough, a sleeve fitted longitudinally into the inlet end of said passageway, said sleeve having a closed inner end, the outer end of said sleeve being open and being positioned adjacent the inlet end of said passageway, said sleeve being formed with a port opening adjacent its closed inner end communicating with said passageway, said sleeve being relatively rotatable with respect to said casing, said sleeve having a flanged end overlapping the inlet end of said passageway and forming a continuation of said casing, and screw threads formed on the periphery of said flanged end and on the adjacent portion of said casing for attaching the faucet to a supply pipe.

2,068,370
INERTIA OPERATED CONTROL DEVICE
Rankin J. Bush, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 27, 1934, Serial No. 713,103
19 Claims. (Cl. 303—24)

1. In a vehicle brake system in combination, a driving body, a driven body, resilient means

for transmitting motion between said bodies and providing for different degrees of relative movement therebetween, an axially movable body, a cam on said driven body adapted to move said



axially movable body upon relative movement between said driven and driving bodies, and brake control means operated according to the axial movement of said axially movable body.

2,068,371

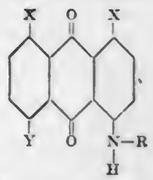
PREPARATION OF ARALKYLAMINO-ANTHRAQUINONE COMPOUNDS

Edwin C. Buxbaum, Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 25, 1936, Serial No. 70,891

7 Claims. (Cl. 260—59)

1. Compounds of the following general formula



wherein both X's represent a member of the group consisting of hydroxy and alkoxy radicals, R represents an aralkyl radical and Y stands for a radical of the group consisting of NO_2, NH_2 and NH—R wherein R has the same significance as above.

2,068,372

PREPARATION OF ARALKYLAMINO ANTHRAQUINONE COMPOUNDS

Edwin C. Bauxbaum, Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 25, 1936, Serial No. 70,892

10 Claims. (Cl. 260—60)

1. A polyaminoanthraquinone containing at least three amino groups in alpha positions in which at least one alpha amino group contains an aralkyl radical.

2,068,373

PROCESS FOR PREPARING DIAMINO-DIPHENOXY-ANTHRAQUINONE DISULPHONIC ACIDS

Edwin C. Buxbaum, Shorewood, Wis., assignor E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 20, 1936, Serial No. 80,807

9 Claims. (Cl. 260—59)

1. In the process for isolating a 1,4-diamino-2,3-diphenoxy-anthraquinone disulphonic acid from its sulphonation mass, the step which comprises adjusting the sulphuric acid concentration of the mass to between 45 and 65%, to precipitate the sulphate of the 1,4-diamino-2,3-diphenoxy-anthraquinone disulphonic acid.

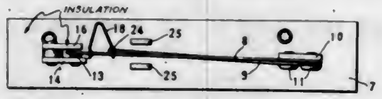
2,068,374

THERMOSTATIC SWITCH

John E. Carlson, Forestville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application May 26, 1934, Serial No. 727,655

2 Claims. (Cl. 200—138)



1. A switch including two cantilever spring arms having their supported ends clamped adjacent one another, one of said arms being longer than the other and slotted to permit movement of the short spring arm between the sides of the long spring arm, a bowed expansion spring between the end portions of said arms, a contact carried by the end portion of the long spring arm beyond said bowed spring, abutments for limiting flexural movement of said long arm, abutments spaced apart a greater distance than are the first abutments for limiting flexural movement of both of said spring arms, said second mentioned abutments being located between said bowed spring and the supported ends of said arms, and a base of insulating material to which all of said abutments are secured.

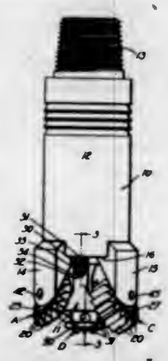
2,068,375

ROLLER BIT

Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application May 25, 1935, Serial No. 23,395

14 Claims. (Cl. 255—71)



1. A well bit including a shank having a plurality of integral bearings projecting therefrom, an outer roller cutter rotatably carried on each bearing to project below the shank, a member removably attached to the shank and positioned to retain said outer cutters on their bearings, and an inner roller cutter carried by said member to rotate in spaced relation to the outer cutter and act on the formation being drilled within the path of the outer cutter.

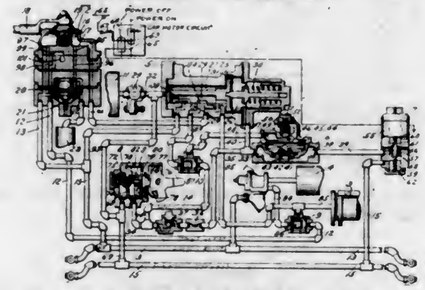
2,068,376

SAFETY CAR EQUIPMENT

John F. Craig, Upper Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 12, 1935, Serial No. 10,647

18 Claims. (Cl. 303—19)



1. In a fluid pressure brake, in combination, means operable to effect an application of the brakes, electrically operated means adapted upon energization to cause operation of said means, and a car motor-controller having a power-off position, said electrically operated means being energized only in the power-off position of said motor-controller.

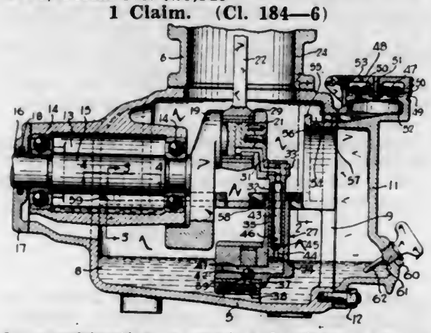
2,068,377

LUBRICATING DEVICE

Philip L. Crittenden, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Original application October 31, 1933, Serial No. 695,995. Divided and this application May 19, 1934, Serial No. 726,519

1 Claim. (Cl. 184—6)



In combination, a casing having a chamber and a horizontal filling opening through which fluid lubricant intended for said chamber must pass, a shaft rotatable in the chamber, a bearing chamber in the casing having a bearing for supporting said shaft, an open channel on the interior surface of the casing within said chamber, one end of the channel opening into the bearing chamber and the other end being so disposed that the said horizontal opening enters the channel thereby causing fluid lubricant supplied through the opening to first fill the channel to provide an initial supply of lubricant to the bearing chamber and bearing and then overflow into said chamber, said channel having a portion which drops sharply from the filling opening in the casing to insure initial flow of lubricant in the channel to the bearing chamber and bearing and having also a portion, connecting the bearing chamber and the lower end of the sharply dropping portion, which is inclined slightly from the horizontal, said slightly inclined portion being effective to collect fluid lubricant thrown up from the lubricant contained in the chamber by rotation of the said shaft and to conduct, by gravity, the lubricant so received therein, to the bearing chamber and bearing to maintain a supply of lubricant thereto while the shaft rotates.

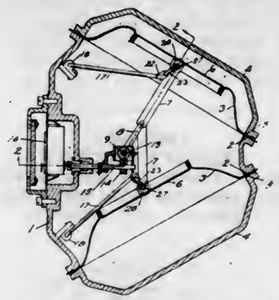
2,068,378

DIAPHRAGM METER

John C. Diehl, Erie, Pa., assignor to American Meter Company, New York, N. Y., a corporation of Delaware

Application August 25, 1933, Serial No. 686,802

2 Claims. (Cl. 73—262)



1. In a meter, the combination of a case; a diaphragm in the case responding in movement to flow of fluid to and from the case, said diaphragm having a movable rigid central wall and a surrounding flexible wall providing freedom of movement for the rigid wall toward and from the case throughout its periphery; and a support for the diaphragm movable with the diaphragm and having a universal connection with the rigid wall.

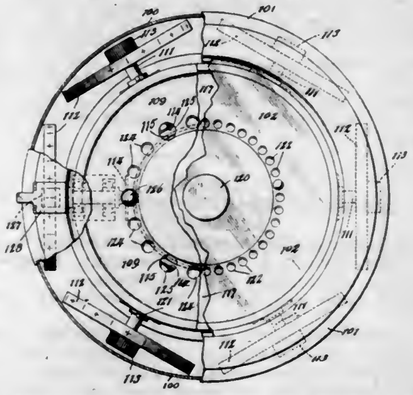
2,068,379

GAME AND APPARATUS THEREFOR

Samuel G. Frantz, Brunson S. McCutchen, Walter van B. Roberts, and John Q. Stewart, Princeton, N. J.

Application November 6, 1931, Serial No. 573,386

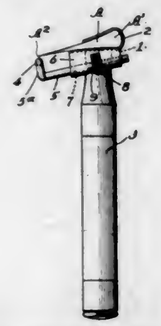
4 Claims. (Cl. 273—138)



1. As an article of manufacture, the combination of a housing including a bearing, a rotatable shaft supported by said bearing, a disk device keyed to said shaft and adapted to rotate with and about said shaft as an axis, said disk being shaped so as to form a ball race having a plu-

rality of means for receiving a ball, a plurality of rotatable shafts spaced radially with respect to said first named shaft, said shafts each having on one end thereof driving means adapted when a ball is within certain ones of said ball receiving means to come in frictional contact with the ball and at the other ends thereof a designation indicator device adapted to rotate with its respective radial shaft for indicating one of a plurality of designations, means fixed with respect to said housing arranged with respect to said disk in such a way that a ball resting within one of said ball receiving means will be rotated thereby with the result that when the ball is within a ball receiving means associated with said driving means, said driving means will be rotated thereby, a second rotatable disk device shaped so as to form a ball race having a plurality of means having various designations for receiving a ball and means including said first named disk for rotating said second disk.

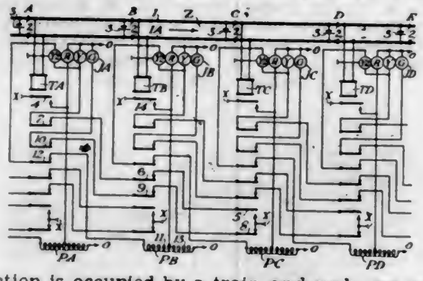
2,068,380
SAFETY RAZOR
Walter P. Grath, Los Angeles, Calif.
Application April 15, 1935, Serial No. 16,370
7 Claims. (Cl. 30—77)



1. In a safety razor, a frame adapted to support a blade, a guard having supports at its ends extending at right-angles to the length of the guard, guides on the frame adapted for sliding reception of the supports so as to mount the guard parallel to the cutting edge of the blade, the supports being oppositely threaded, and nuts threaded on the respective supports and cooperating with the respective guides for longitudinally adjusting the supports in unison relative to their guides by oppositely rotating the nuts.

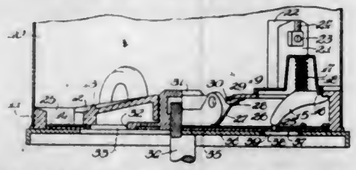
2,068,381
RAILWAY TRAFFIC CONTROLLING APPARATUS
Carl G. Harwig, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 8, 1935, Serial No. 5,601
5 Claims. (Cl. 246—46)

1. In combination, a section of railway track, a signal for said section comprising a red lamp and a yellow lamp as well as a green lamp, means for lighting said red lamp when one particular portion of said section is occupied by a train, means for lighting said yellow lamp when only a certain zone in advance of said section is occupied, means for lighting said green lamp when said section and such certain advance zone are both unoccupied, another yellow lamp on said signal, and means for lighting both of said yellow lamps when another particular portion of said



section is occupied by a train and such one particular portion is unoccupied.

2,068,382
SEED PLANTER
George M. Kriegbaum, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application December 29, 1934, Serial No. 759,681
7 Claims. (Cl. 221—125)

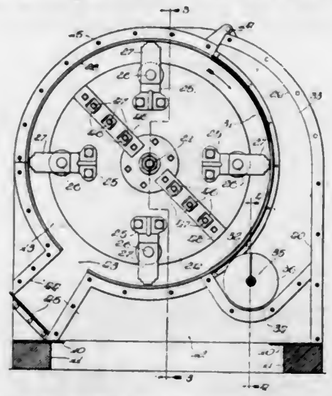


1. In a seed planter, a hopper, a seed plate revolubly supported in said hopper, said plate having a series of seed cells, a stationary member located above the plate having a knock-out chamber therein normally closed at both ends and a cut-off mounted thereon in advance of said knock-out chamber permitting the passage of a predetermined amount of seed, a knock-out member in the aforesaid chamber, and a pivoted gate at the rear of said knock-out chamber extending in the direction of motion of said seed plate by which seeds are prevented from entering said knock-out chamber, but which permits the passage of excess seed therethrough.

2,068,383
HAMMER MILL
Alexus C. Lindgren, Chicago, and Clemma R. Raney, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application February 23, 1933, Serial No. 657,982
1 Claim. (Cl. 83—11)

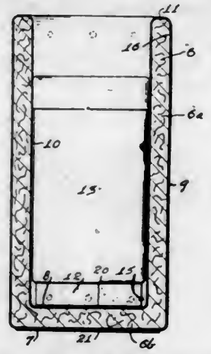
A hammer mill comprising a drum having two upright spaced sides and a cylindrical portion connected therebetween, a screen lining the inner periphery of said cylindrical portion, an arc of the screen along one side edge of the drum being open for the passage of ground material therethrough into a discharge passageway arranged vertically and adjacent said open arc of the screen and delineated by a wall extending from the drum from a point near the top thereof and along a tangent line and gradually curving downwardly on increasing radii to a point substantially on the projected horizontal diameter of the drum, said wall then continuing substantially vertically downwardly alongside the drum to form a gradually enlarged passageway from top to bottom, said ground material discharging through said open

portion of the screen only, a rotor disk having peripheral hammers rotatable within the drum, one face of the disk carrying reducing cutters thereacross, one upright side of the drum having a feed opening arranged off center relative to the axis of the disk and serving to feed material to said adjacent face of the disk, said feed opening



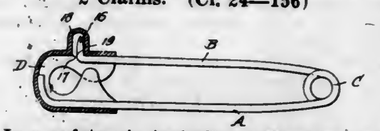
being also arranged in proximity to the open arc of the screen and discharge passageway whereby material in process is carried around substantially the entire periphery of the drum before reaching the discharge portion of the screen, and an auger conveyer at the lower end of the discharge passageway for moving ground material from the said passageway.

2,068,384
INSULATED CONTAINER
Charles L. Newport and Herbert C. Smith, Los Angeles, Calif.
Application September 23, 1935, Serial No. 41,688
5 Claims. (Cl. 62—91.5)



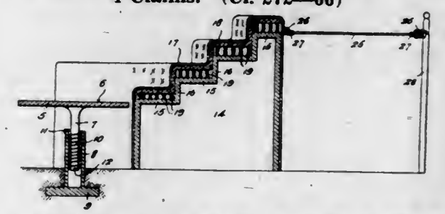
1. In a container of the class described, a flexible jacket comprising; an outside bottom wall, an inside bottom wall of smaller diameter spaced above the outside bottom wall, an outer wall extending vertically from said outside bottom wall to the top of the container and there turning to form an annular rim, and an inside annular wall depending from said rim and parallelling said outside annular wall and connecting with said bottom wall; all being integrally formed from a sheet of flexible material, and flexible insulating material filling all spaces between said walls, said materials co-operating to form a self-supporting open top container.

2,068,385
SAFETYPIN
Barney R. Nyhagen, Bronx, N. Y.
Application November 27, 1935, Serial No. 51,860
2 Claims. (Cl. 24—156)



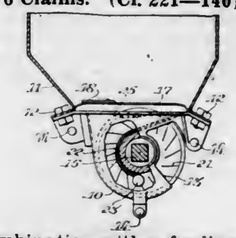
1. In a safety pin including a fixed leg, a movable piercing leg and a head for sheathing the free end of the piercing leg, means provided on the free end portion of the piercing leg and on the head defining interengageable shoulders disposed approximately at a right angle to the axis of the piercing leg of the pin and said head having its inner end edges disposed substantially flush with each other and approximately at a right angle to the axis of the legs of the pin.

2,068,386
AMUSEMENT DEVICE
Arthur S. Otis, Yonkers, N. Y.
Application July 9, 1934, Serial No. 734,251
4 Claims. (Cl. 272—66)



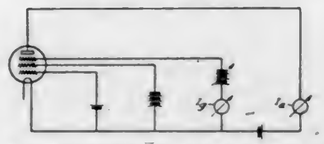
1. An amusement device including a resilient rebounding means having an upper supporting surface from which the user is adapted to jump and a resilient landing upon which the user is adapted to land, said landing being located adjacent to and extending partially around the forward portion of said means to provide a guard for the opposite sides of the resilient rebounding means.

2,068,387
DISTRIBUTOR FOR GRAIN DRILLS
Charles W. Robinson, Auburn, N. Y., assignor to International Harvester Company, a corporation of New Jersey
Application October 14, 1935, Serial No. 44,909
6 Claims. (Cl. 221—140)



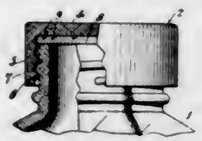
1. The combination with a feeding device having a feed-wheel revolving therein forming a plurality of discharge channels, of a reducing means for one of said discharge channels to regulate the flow therefrom, said reducing means being ball-shaped, and means for resiliently mounting said ball-shaped reducing means in the feeding device, said resilient means being rigidly secured to the aforesaid ball-shaped reducing means.

2,068,388
ELECTRON TUBE IN A RETARDING FIELD CIRCUIT
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 28, 1933, Serial No. 654,091
In Germany March 23, 1932
2 Claims. (Cl. 250—27)



2. In a device of the class described, the combination of a vacuum tube having a cathode, a retarding field electrode and a plurality of grids located at different positions in the electron stream between said cathode and retarding field electrode, a source of variable potential having its negative terminal connected to said cathode and its positive terminal to the outer one of said grids, a circuit connecting said retarding field electrode and cathode and including a source of potential having its negative terminal connected to said retarding field electrode, and means comprising the inner of said grids for maintaining the sum of the currents to said outer grid and retarding field electrode substantially constant upon variation of the potential of said outer grid and a source of constant potential having its negative terminal directly connected to said cathode and its positive terminal directly connected to said inner grid.

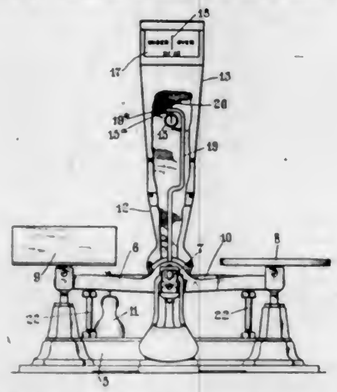
2,068,389
CLOSURE CAP AND LINER THEREFOR
James Sterling B. Smith, Bellport, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application September 21, 1931, Serial No. 564,092
6 Claims. (Cl. 215—43)



1. A molded closure cap having a cover portion and a depending skirt, and a series of sharp projections on the cover portion of the cap spaced from the skirt of the cap adapted to engage and pierce the upper surface of a disc liner when the cap is screwed on a container to make the cap and liner rotate together and thereby increase the resistance to turning and minimize the strains on the cap.

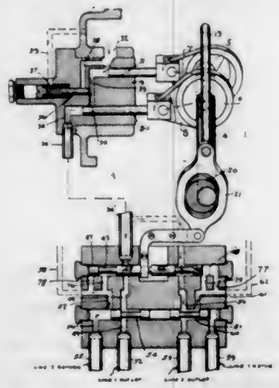
2,068,390
INDICATOR FOR WEIGHING SCALES
James F. Sullivan, Columbus, Ohio
Application April 5, 1934, Serial No. 719,154
7 Claims. (Cl. 265—59)

1. In a counter weighing scale, the combination of a support, a scale beam fulcrumed thereon, a commodity platter mounted on one end of said scale beam, a weight receiving platter mounted on the other end of said scale beam, a housing mounted on said support and extending outwardly therefrom, said housing having an opening in one of its walls, a translucent screen arranged in said opening and provided with stationary weight indicia arranged radially of the fulcrum of said scale beam, a tubular member disposed in said housing, a plurality of lenses arranged in said tubular member, said tubular member being provided with a lateral opening intermediate its ends, an oscillatable arm fixed to said



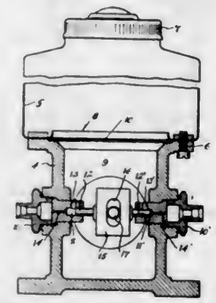
beam and extending therefrom into said housing, a pointer fixed to the outer end of said arm and disposed radially of the fulcrum of said scale beam and extending through said lateral opening into said tubular member, and a source of light arranged adjacent to one end of said tubular member whereby the rays of light and the image of said pointer are projected by said lenses onto said screen, said arm and said pointer being movable by said scale beam.

2,068,391
LUBRICATING SYSTEM
George H. Acker, Shaker Heights, Ohio, assignor to The Farval Corporation, Cleveland, Ohio, a corporation of Ohio
Application August 3, 1933, Serial No. 683,501
14 Claims. (Cl. 184—7)



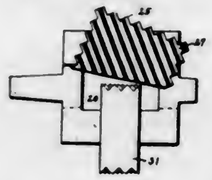
1. In a lubricating system, the combination of a lubricant reservoir, dual feed and return conduits, pressure means for supplying lubricant from said reservoir to said conduits, a control valve for alternately directing the flow of lubricant in said conduits, and timing means directly connected to and for actuating said control valve.

2,068,392
LUBRICATING PUMP
George H. Acker, Shaker Heights, Ohio, assignor to The Farval Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1935, Serial No. 1,011
7 Claims. (Cl. 184—7)



1. In a lubricant pump, the combination of a double ended piston, a cylinder on each end of said piston, an inlet port in each cylinder adapted to be opened and closed by the ends of said piston, a restricted outlet port in the outer end of each cylinder, the length of said piston being less than the distance between the outer edges of said inlet ports whereby either one of said ports is always open, and means for reciprocating said piston.

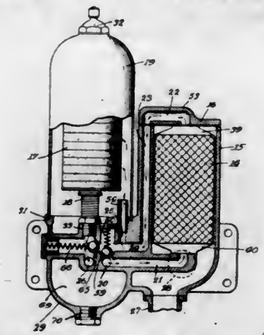
2,068,393
TAB
Nathan Bulwa, Bronx, and Emanuel Feibusch, Brooklyn, N. Y.; said Feibusch assignor to said Bulwa
Application May 16, 1934, Serial No. 725,882
4 Claims. (Cl. 206—82)



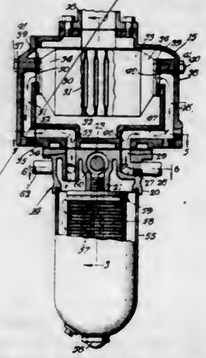
1. In a sample tab, a plurality of connected plies, one of said plies being provided with a window, two other plies being disposed consecutively on one side of said one ply and substantially registering therewith when folded thereonto.

2,068,394
FILTER AND HEAT EXCHANGER
Robert Nash Burckhalter and James Marshall Osburn, Michigan City, Ind., assignors to Michiana Products Corporation, a corporation of Indiana
Application July 21, 1932, Serial No. 623,786
13 Claims. (Cl. 210—165)

1. In a device of the class described, a body including a filter base, a heat exchanger base and an open housing on the latter base, a shell on the filter base, a filter element within the shell, a heat exchanger unit within the housing, a cover for the housing, oil connections including passages in the body whereby oil may flow upwardly through the heat exchanger, and downwardly through a wall of the housing to the filter.



2,068,395
FILTER AND HEAT EXCHANGER
Robert Nash Burckhalter and James Marshall Osburn, Michigan City, Ind., assignors to Michiana Products Corporation, a corporation of Indiana
Application July 21, 1932, Serial No. 623,787
11 Claims. (Cl. 210—165)



1. In an oil treating apparatus, a base casting having inlet and outlet passages, an interior chamber communicating with the outlet passage and a vertical through passage, a heat exchanger mounted above the base and having inlet and outlet passages registering, respectively, with the inlet and through passages of the base, and a filter attached to the lower face of the base and receiving from its through passage and discharging into its interior chamber.

2,068,396
COVERING MATERIAL AND PROCESS OF MAKING THE SAME
Stewart W. Chaffee, New York, N. Y., assignor to Asphalt Process Corporation, New York, N. Y., a corporation of New Jersey
Application April 19, 1933, Serial No. 666,832
35 Claims. (Cl. 18—60)

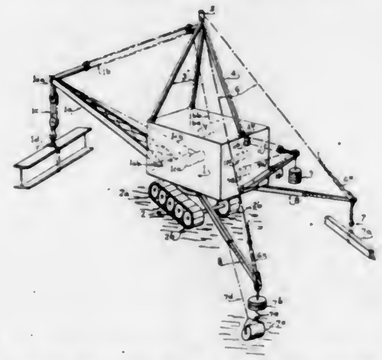
12. The process of producing a covering to simulate a natural stone of laminar structure which comprises applying upon a base a coating of adhesive, applying upon said coating over the whole face to be exposed of said covering a layer of surfacing material, pressing a marginal portion of said face adjacent an edge to be exposed

thereof so as to embed the surfacing material upon said marginal portion in said coating to a greater degree than upon the general surface of said face to be exposed and so as to form at



least one step in said marginal portion having at least a part of its surface below the surface of said remaining portion and of a form simultatively to define a lamina of the structure.

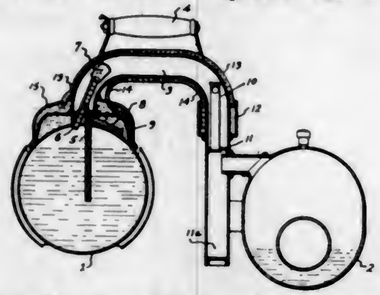
2,068,397
CRANE CONSTRUCTION
Paul Chapman, New York, N. Y.
Application June 1, 1935, Serial No. 24,459
9 Claims. (Cl. 212—70)



1. In crane construction, a crane having a revolving upper section and a non-revolving lower section, a tripod attached to the top of said revolving section, a top lift attached to the top of said tripod, a cylindrical projection at the top of said tripod, a non-revolving cap member in which said cylindrical projection revolves, an adjustable length guy attached to said cap member, an adjustable length sill attached at one end to said guy and at the other end to said non-revolving section of the crane, and an anchor member attached to said sill, substantially as described.

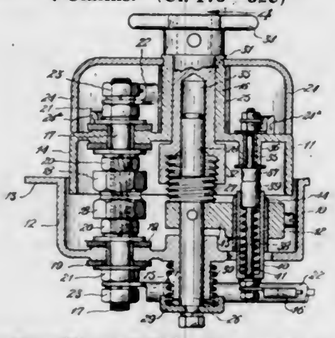
2,068,398
REFRIGERATING DEVICE
John A. Conrady, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application February 19, 1936, Serial No. 64,755
5 Claims. (Cl. 62—120)

1. In an absorption system refrigeration device, the combination of a generator-absorber, a condenser-evaporator, and conduit means between them, a dehydration device comprising a member surrounding the conduit means adjacent the condenser-evaporator, a liquid containing member at the top of the generator-absorber, and interconnecting passages between said members, whereby when filled with a liquid, a thermo-syphon action will be set up causing liquid collected at the condenser-evaporator end of the



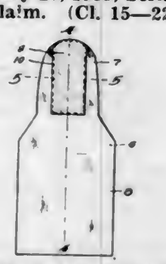
system to flow through the member on top of the generator absorber, for the purpose described.

2,068,399
CONNECTER
Cyrus C. Dash, Lakewood, James G. Higgins, Cleveland, and John H. Hertner, Lakewood, Ohio, assignors to The Hertner Electric Company, Cleveland, Ohio, a corporation of Ohio
Application February 20, 1932, Serial No. 594,158
7 Claims. (Cl. 173—328)



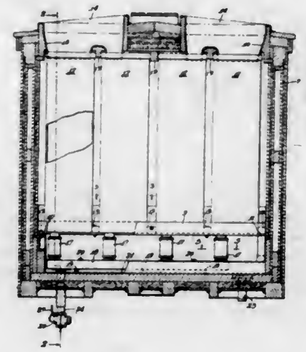
1. A connecter comprising two separable parts having main contacts and auxiliary contacts, a pair of threaded clamping members for causing clamping engagement between the cooperating contacts, and means for movably supporting one of said threaded clamping members, said movably supported member carrying one of the auxiliary contacts.

2,068,400
SANITARY TOOTH CLEANSER
Lester L. De Rome, Chicago, Ill.
Application July 17, 1935, Serial No. 31,755
1 Claim. (Cl. 15—227)



A sanitary tooth cleanser, comprising a sheath and a thumb piece consisting of a strip of textile fabric of sufficient length and width to form the sheath and thumb piece, said strip being doubled upon itself adjacent one end on a line extending transversely of the strip and the two side edges of the doubled part being sewed together with the side edges turned in to form a sheath of less width than the thumb piece and adapted to be placed on a person's finger, the side of the sheath which extends beyond the same being adapted to be grasped between the finger and thumb of the hand, and a pad of approximately the same length as the sheath formed of pile material, said pad being secured to the sheath on that side thereof only containing the thumb piece and extending from the tip of the sheath along the length thereof to a place approximately opposite the free edge of the sheath.

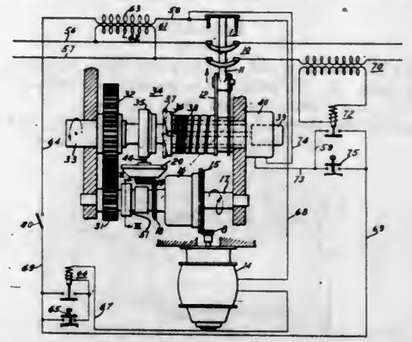
2,068,401
REFRIGERATOR CAR
Loy S. Dromgold, Chicago, Ill.; Gertrude Dromgold, executrix of said Loy S. Dromgold, deceased, assignor, by mesne assignments, to Dromgold & Glenn, Chicago, Ill., a firm composed of Jack K. Dromgold and Howard A. Glenn
Application October 19, 1934, Serial No. 748,982
2 Claims. (Cl. 62—19)



1. In a refrigerator car, a plurality of vertical refrigerating tanks, a horizontal header tank beneath said vertical tanks, means connecting said vertical tanks with said header tank, a drain pipe for said header tank extending therefrom through the car floor to the outside of the car whereby all of said tanks may be drained directly to the outside of the car, a drain pan beneath the header tank to receive melted frost from the exterior of all of said tanks, a drain for said drain pan, and a single drain valve in said drain pipe outside of the car to control from the outside of the car the draining of all of said tanks.

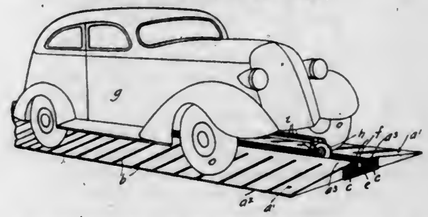
2,068,402
MOTOR-OPERATED MECHANISM FOR CIRCUIT BREAKERS
Paul Duffing, Berlin-Siemensstadt, and Walter Hergert, Berlin-Conradshohe, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1932, Serial No. 613,456
In Germany June 4, 1931
13 Claims. (Cl. 200—92)

1. A motor-operated mechanism for a circuit breaker comprising, in combination, an actuating member disposed to operate the breaker, a drive shaft, a motor for actuating the drive shaft, a disengageable coupling having two relatively movable parts, one of said parts being freely mounted upon said drive shaft and the other part being



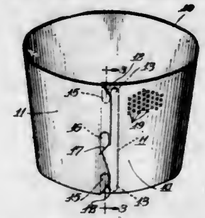
slidably mounted in an axial direction upon said drive shaft, and a band friction clutch surrounding the drive shaft and interconnecting the freely mounted part of the disengageable coupling and the actuating member.

2,068,403
VEHICULAR APPARATUS
Albin L. Ekstrom, Portland, Oreg.
Application June 12, 1936, Serial No. 84,918
16 Claims. (Cl. 46—201)



1. In vehicular toy apparatus including a self propelled vehicle, a track element, a central way defined therein, steering apparatus for said vehicle provided with an element adapted to engage said way, said track being of such breadth at each side of the way as to constitute a road surface for the vehicle.

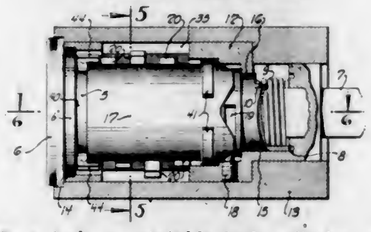
2,068,404
BASKET LINER
George F. Fillbrandt, St. Joseph, Mich., assignor to Perfection Pack Company, Inc., St. Joseph, Mich., a corporation of Michigan
Application June 13, 1934, Serial No. 730,421
4 Claims. (Cl. 217—3)



1. A basket liner comprising a frusto-conical shell formed of a sheet of relatively stiff flexible

material having its surface provided with a multiplicity of projections and recesses adapted to intermesh at overlapping portions; and interlocking tongues and slits at the ends of said sheet.

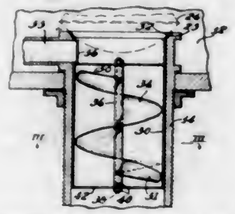
2,068,405
LOCK
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application December 11, 1933, Serial No. 701,839
25 Claims. (Cl. 70—46)



1. In a lock, a rotatable lock cylinder, a stationary element in which said lock cylinder is mounted, locking tumblers carried by the cylinder to restrain rotation of the cylinder with respect to the stationary element, said locking tumblers being retractable by a proper key to free the cylinder for rotation, a member encircling the lock cylinder, said member being engageable by the projected ends of the tumblers, means on said member operable upon movement to a predetermined position to form a positive interlock between the lock cylinder and stationary element, and means to move said member to said predetermined position upon rotation of the lock cylinder effected while any tumbler is in any but fully retracted position.

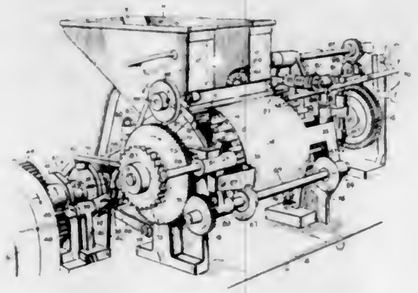
25. In a lock, the combination of a casing, a lock cylinder in said casing having transverse passageways therethrough and locking tumblers shiftable in said passageways to normally project beyond the ends thereof and to be withdrawn into the cylinder when a proper key is inserted in the cylinder, and structure intermediate said casing and cylinder and having passageways for coinciding with opposite ends of said tumbler passageways to receive the ends of projected tumblers, said intermediate structure being movable with the projected tumblers upon turning of the cylinder whereby to retain the passageways therein in alignment with the tumbler passageways.

2,068,406
FLUID FLOW CONTROL APPARATUS
Joseph P. Freed, Los Angeles, Calif., assignor to Edith F. Freed, Los Angeles, Calif.
Application October 21, 1935, Serial No. 45,850
9 Claims. (Cl. 4—52)



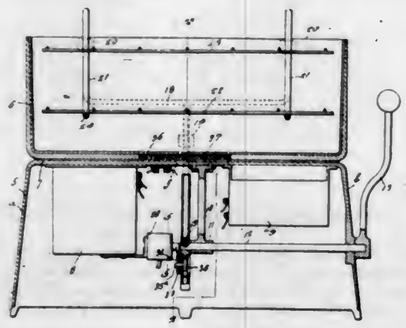
1. The combination with a box-type water-closet having a short pipe connecting the bowl with the box and with a ball valve sealing off the flow of water from the box through the pipe, of a flow control and silencing unit positioned in the pipe, said unit including a cylindrical shell having a close sliding fit in the pipe, an inclined flange on the upper end of the shell and seating on the seat for the ball valve and a spiral screw made from sheet material pivotally carried in the shell with the axis of the screw substantially coinciding with the axis of the shell whereby the flow of water through the shell and pipe is controlled and silenced by the rotation of the screw.

2,068,407
PACKAGING MACHINE
Albert M. Goldstein, Far Rockaway, and Mayer Garfinkel, Brooklyn, N. Y., assignors to Sanita Wrapped Products Corp., New York, N. Y.
Application February 9, 1929, Serial No. 338,744
53 Claims. (Cl. 93—5)



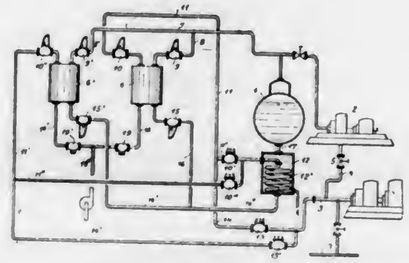
1. In a machine for packaging articles, the combination of means for forming a continuous tubular wrapper, means for conveying the articles into position to be enveloped by the oncoming wrapper, means for cutting off the wrapper during movement thereof over the articles, and means for simultaneously closing both ends of the wrapper.

2,068,408
ELECTRICAL CLEANING BATH
Paul J. Greulach, Fort Wayne, Ind.
Application October 21, 1935, Serial No. 46,016
1 Claim. (Cl. 219—38)



In an electrical bath, a tank, a hollow base, a shaft journaled for rotation in the bath, one end of the shaft extending outwardly of the base and provided with a handle, the inner portion of the shaft being provided with a laterally disposed arm, said base having its side walls provided with a vertical slot through which the arm extends, a vertically movable bar having a cross member at its top, a plurality of U-shaped arms extending from the said cross member and depending into the tank and connecting members between the said U-shaped members adapted to form a rack in the tank.

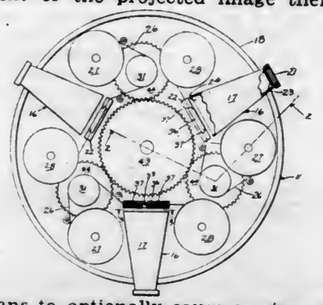
2,068,409
DEVICE FOR FEEDING HIGH PRESSURE BOILERS
Hermann Hähnle, Giengen-on-the-Brenz, Germany
Application February 27, 1934, Serial No. 713,113
In Germany February 27, 1933
1 Claim. (Cl. 122—457)



A device for feeding high-pressure boilers, comprising in combination with a high-pressure boiler, a feed pump and a low-pressure system; at least two feeding devices adapted to contain water and steam, a heat exchanger having a heating coil and connected at one of its ends with the bottom of said boiler, conduits for steam having valves and connecting the steam chamber of the boiler with the upper portions of said feeding devices, conduits for water having valves and connecting the lower portions of said feeding devices with the other end of said heat exchanger, conduits for steam having valves and connecting the upper portions of said feeding devices with said heating coil and said low-pressure system, and conduits having valves and connecting said feed pump with the lower portions of said feeding devices, whereby the feeding devices may be connected intermittently and one after the other with the boiler, that feeding device which is filled with steam being first connected with said heating coil to reduce its steam pressure to that of the low-pressure system, and then connected with said low-pressure system and said feed pump, whereupon this cycle of operation may be repeated.

2,068,410
PHOTOGRAPHIC CAMERA AND PROJECTOR APPARATUS
Frank C. Hanke and Walter B. Rhea, Oakland, Calif.
Application December 11, 1933, Serial No. 701,900
3 Claims. (Cl. 88—16)

1. In a photographic apparatus of the character described, a camera arranged for rotation displacing the principal axis thereof through substantially 360 degrees for recording on film a complete panoramic view, means for periodically completing a revolution of said axis at intervals approximating the image retention period of the eye, means for moving the film across the focal plane of the camera in synchronism with the movement of the projected image thereacross,

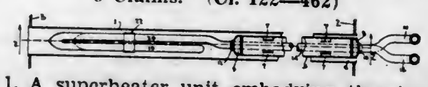


and means to optionally cause or stop said film movement during rotation of the camera.

2,068,411
HIGH-PRESSURE NONPLASTIC REFRACTORY AND METHOD OF MAKING THE SAME
Russell P. Heuer, Bryn Mawr, Pa., assignor to General Refractories Company, a corporation of Pennsylvania
No Drawing. Application January 9, 1934, Serial No. 705,955
14 Claims. (Cl. 25—156)

1. The method of making a refractory of high density from anhydrous non-plastic material and a bonding substance, using anhydrous non-plastic particles of relatively larger and smaller grain sizes, which consists in mixing larger anhydrous non-plastic particles retained on a 30 mesh per linear inch screen with smaller anhydrous non-plastic particles and a bonding substance, while employing not more than a relatively small proportion of intermediate anhydrous non-plastic particles, in molding the mix in moist condition into a refractory shape, in drying the refractory shape and in subjecting the dried unburned refractory shape to firing temperature in a furnace structure during use.

2,068,412
SUPERHEATER UNIT
Walter H. Hinsch, Chicago, Ill.
Application May 9, 1935, Serial No. 20,546
9 Claims. (Cl. 122—462)



1. A superheater unit embodying therein an incoming saturated steam tube, an outgoing superheated steam tube having a major portion between its ends arranged within the first mentioned tube so as to be surrounded by the saturated steam therein for a direct exchange of heat between the outgoing superheated steam and the incoming saturated steam, and a steam superheating arrangement communicating at its front end with the rear ends of the incoming saturated steam receiving tube and the outgoing superheated steam tube.

2,068,413
SIEVE
Allan D. Hunsicker, Salina, Kans.
Application November 26, 1934, Serial No. 754,878
1 Claim. (Cl. 209—408)

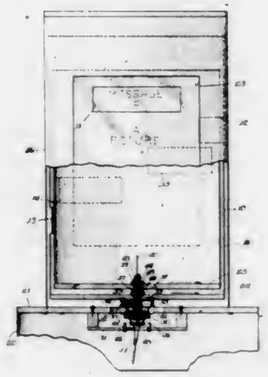
A sieve comprising a supporting frame having side bars and front and rear bars, a cross bar

in said frame spaced from the rear bar and defining a passage across the rear end of the frame open at its top and bottom, tracks in said frame extending between front and rear bars thereof over the cross bar, a screen frame in the supporting frame having end bars and side bars slidably engaging said tracks, and screening secured to the screen frame, the side bars of the



screen frame having their rear end portions extending rearwardly beyond the rear end bar of the screen frame to engage the rear bar of the supporting frame and limit rearward movement of the screen frame when the screen frame is slid into the supporting frame and leave the passage between the cross bar and the rear bar of the supporting frame unobstructed.

2,068,414
ADVERTISING DISPLAY
David H. Johnson, Fox River Grove, Ill.
Application February 3, 1934, Serial No. 709,546
7 Claims. (Cl. 40—33)



1. A display device comprising cylindrical members one within the other, and the outer one having a succession of windows through which display material on the inner member is visible, and means for actuating the members at different speeds whereby the outer member is rotated intermittently and the inner member continuously.

2,068,415
PURIFICATION OF ALCOHOLS
Kenneth H. Klipstein, Short Hills, N. J., assignor to The Calco Chemical Co., Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application May 18, 1935, Serial No. 22,219
10 Claims. (Cl. 260—98)

1. A method of purifying phenylethyl alcohol which comprises forming a stable, relatively non-volatile phenylethyl ester of an acid, removing impurities by vacuum distillation, hydrolyzing the ester and recovering the phenylethyl alcohol.

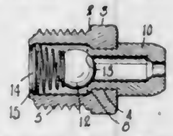
10. As a new compound, triphenylethyl borate.

2,068,416
HYGROSCOPIC ACTUATING ELEMENT
Ira W. Knight, Providence, R. I., assignor to American Moistening Company, Providence, R. I., a corporation of Maine
Application December 7, 1935, Serial No. 53,440
3 Claims. (Cl. 297—1)



1. A hygroscopic actuating element comprising a piece of hygroscopically responsive animal membrane having slits extending longitudinally thereof intermediately of its ends.

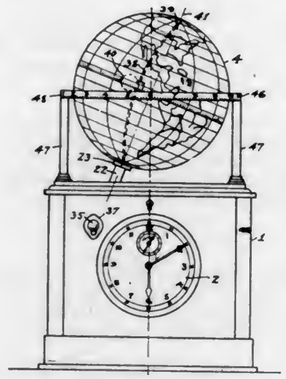
2,068,417
LUBRICATION FITTING
Walter R. Konkle, Albion, Mich., assignor to Decker Screw Products Co., Albion, Mich.
Application October 5, 1934, Serial No. 746,947
7 Claims. (Cl. 184—105)



1. A straight lubrication fitting comprising a body having a short hexagonal head portion provided with a small central bore, and an externally threaded long tubular portion terminating in an internal annular spring stop and provided with a large central bore connected to said small bore by an inclined shoulder, a tubular teat having a reduced inner end portion longer than said small central bore and fitting within said small bore and having an internal annular ball valve seat and an external annular flange engaging said inclined shoulder to secure said body and teat together, a metal valve ball disposed on said seat, and a conical compression spring disposed within said large bore between said stop and said ball with its small end engaging the ball.

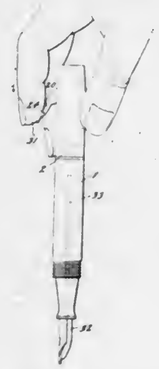
2,068,418
WORLD CLOCK
Frederick Kyack, Detroit, Mich.
Application October 9, 1933, Serial No. 692,839
2 Claims. (Cl. 35—45)

1. An apparatus of the character described comprising a time mechanism including an hour hand, a terrestrial globe mounted for rotation upon its polar axis, driving means actuated by said mechanism for rotating said globe at one half the speed of said hour hand, and means for disconnecting said driving means, said means including a shaft having a flange adapted to engage the inner surface of said globe, a sleeve upon said shaft having a co-acting flange engaging the outer surface of the same, resilient spring means



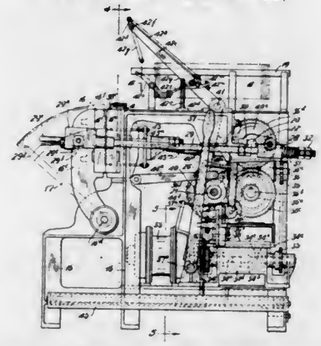
for maintaining said flanges and said globe in frictional engagement, and means for moving said sleeve endwise upon said shaft to disengage the respective parts.

2,068,419
FOUNTAIN PEN
Gabriel Larsen, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y., a corporation of New York
Application July 26, 1935, Serial No. 33,276
8 Claims. (Cl. 120—46)



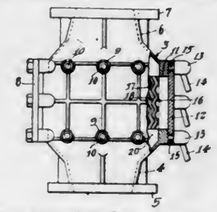
1. A fountain pen comprising a barrel having therein an ink reservoir and a pump chamber in line with each other, a resilient pump sac in said pump chamber and communicating with said reservoir, a bar engaging a side of said sac, a lever pivoted in an opening in a wall of said chamber and in its normal position lying in said opening, means connected to the lever to force said bar against said sac and thus collapse it when the lever is in said normal position, the resiliency of the sac tending to move the lever on its pivot outwardly from the barrel as the sac expands and being sufficient to cause said movement, and means to releasably lock the lever in its normal position against said resiliency of the sac.

2,068,420
CASTING MACHINE
Harry B. Lockwood and Alfred R. Willard, East Cleveland, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 5, 1933, Serial No. 683,878
Renewed December 5, 1935
26 Claims. (Cl. 22—94)



1. In a casting machine, a mold comprising a pair of relatively movable mold members, means for opening and closing the mold, means for ejecting the casting from the mold, and take-out mechanism for the casing, said mechanism having means movable into the space between the open mold members for engaging and catching the casting immediately after it is ejected from the mold and for elevating it from between the mold members.

2,068,421
FLAME ARRESTER
Frank V. Long, South Gate, and Henry A. Jones, Lynwood, Calif., assignors to said Frank V. Long as trustee
Application November 5, 1934, Serial No. 751,662
19 Claims. (Cl. 220—88)

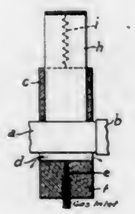


1. In a flame arrester for a vent, the combination of a casing and a bank of arrester elements mounted in the casing cooperating to form a plurality of tortuous passages leading through the casing, and inclining alternately toward opposite ends of the arrester at a plurality of points throughout their length, said casing and said arrester elements being constructed of material having substantially the same coefficient of expansion when heated.

2,068,422
DEVICE FOR EFFECTIVELY QUENCHING THE ARC
Albert Lotz, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 24, 1933, Serial No. 672,670
In Germany May 24, 1932
13 Claims. (Cl. 200—148)

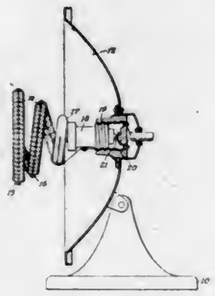
13. In a circuit interrupter, a pair of substan-

tially flat plates of insulating material disposed in parallel planes and spaced some distance from each other for defining two of the opposed walls of an arc passage having the general form of a rectangular prism, means for establishing the arc incident to each opening operation of said interrupter within said arc passage, means for defining the other two walls of said arc passage including a member of insulating material slidable between said opposed plates to vary the dimensions of said arc passage in accordance with the physical dimensions of the arc which is established



therein, and means for causing a blast of arc extinguishing fluid to flow through said arc passage during each circuit interrupting operation to effect the extinction of said arc, said arc passage being substantially completely enclosed except at the ends thereof during each arc extinguishing operation, said slidable member causing the physical dimensions of said arc passage to closely approximate the physical dimensions of said arc at all times thereby effecting intimate contact between said arc extinguishing fluid and said arc.

2,068,423
ELECTRIC HEATING UNIT
William R. Manser, 2d, Wayne, N. J.
Application April 27, 1935, Serial No. 18,615
2 Claims. (Cl. 219—34)

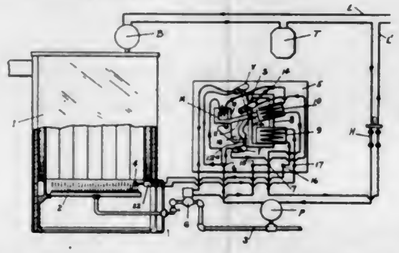


1. An electrical heating unit comprising an insulating and refractory core in the nature of a rod formed into an outwardly tapering conical spiral, each successive convolution lying substantially within the next preceding one to admit of projecting without obstruction the developed heat rays from the apex of the spiral outwardly through the same and the outermost convolution lying in a plane, said rod terminating at its inner end in an integral support portion, terminals mounted upon the support, and a resistor wound over the spiral portion of the core and having its respective ends connected with the said terminal.

2,068,424
PRODUCTION OF POLYMERIZATION PRODUCTS
Hermann Mark, Vienna, Austria, and Hans Fikentscher, Josef Hengstenberg, and Georg v. Süsich, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 13, 1932, Serial No. 646,980. In Germany December 15, 1931
11 Claims. (Cl. 260—2)

1. In the production of polymerization products consisting of vinyl halides, the step which comprises carrying out the polymerization with aqueous emulsions of the said halides in a closed vessel.

2,068,425
FLUID FUEL BURNER MECHANISM
Ira E. McCabe, Chicago, Ill.
Application July 13, 1932, Serial No. 622,195
8 Claims. (Cl. 158—28)

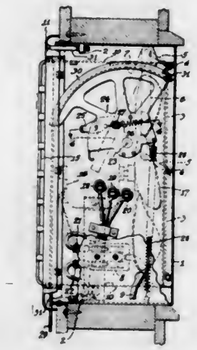


8. An electrical ignition and safety device for controlling the operation of a fluid fuel burner, including a source of electricity, a variable resistance igniter decreasing in resistance upon increasing temperature in the path of the burner flame, means connecting said igniter in circuit with said source, a switch in circuit with said source, means controlling the feeding of fuel to said burner actuated by the closing of said switch, a limiting resistance in circuit with said source, a circuit and a second switch in said circuit shunting said resistance, an electrically operated switch actuating means in circuit with said source including said means for connecting the igniter in said circuit and responding to the conjoint closing of the circuit therethrough and conductivity of said igniter upon attaining ignition temperature to actuate the first switch to feed fuel and thereafter, upon the conductivity of said igniter becoming greater than required for ignition temperature, to actuate said second switch to introduce the limiting resistance, and thereafter the combined heat of the burner flame and energized igniter maintains the temperature of the igniter sufficient to render its conductivity commensurate with the requirements of said means to continue to feed fuel and sufficient for ignition purposes.

2,068,426
VENTILATOR SWITCH
William Melin, Flint, Mich.
Application May 14, 1934, Serial No. 725,553
3 Claims. (Cl. 200—8)

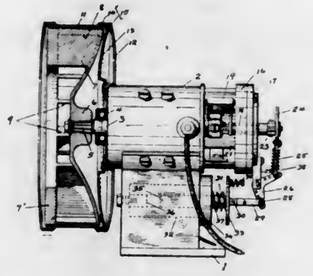
1. In combination in a ventilator having an electrically driven fan and a switch for the electric circuits thereof, actuating means for said switch comprising a quadrant pivotally mounted near one corner thereof, a flexible pull means secured to another corner thereof and depending

over a third corner, a spring pressed contactor carried by said quadrant, a plurality of fixed electric terminals adapted to be bridged by said contactor upon rotation of said quadrant by a given amount, said contactor serving as a means for preventing return of said quadrant, said contactor being adapted to override said terminals upon rotation by a further amount and to return there-



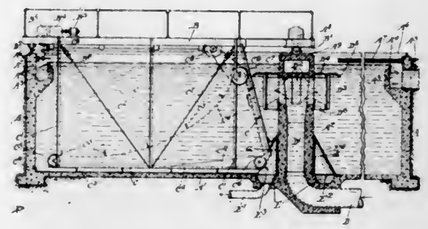
past without serving as a stop upon reverse rotation of said quadrant, said flexible pull means comprising means for rotating said quadrant into a position of locking said contactor with said terminals and to traverse said contactor past said terminals, and a return spring for returning said quadrant to its original position upon release of said flexible pull means.

2,068,427
ELECTRIC SIREN
Conrad P. Meussdorffer, Ross, Calif.
Application July 22, 1930, Serial No. 469,705
2 Claims. (Cl. 177—7)



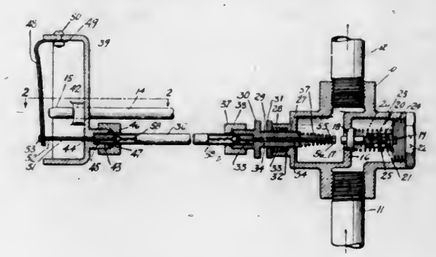
2. In an electric siren, a rotatably mounted rotor, an electric motor in an electrical circuit arranged for driving said rotor, said motor including a rotatably mounted armature, a commutator and brushes thereon, means mounting said brushes for movement toward and away from the commutator, means positively connecting said rotor and armature for rotation together at all times, means connected to said brushes arranged and adapted to press said brushes tightly against the commutator when the electrical circuit is closed and to release the pressure of the brushes against the commutator when the electrical circuit is broken whereby the armature will function as a flywheel substantially free of frictional resistance by the brushes when the circuit is broken, a switch in the electrical circuit for opening and closing the circuit.

2,068,428
SETTLING TANK
George L. Morehead, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application April 17, 1933, Serial No. 666,449
27 Claims. (Cl. 210—3)



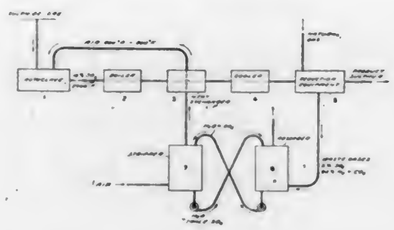
1. In a settling tank, means for maintaining the liquid therein at a fixed level, means for introducing influent liquid thereto at a point substantially below the liquid level and means for directing the liquid from the place of introduction along a path away from the surface of the liquid, said means including a plurality of ports, an apertured cage encircling and spaced from said ports and a deflector below the surface of the liquid closing the upper portion of the cage projecting peripherally away from it and inclined downwardly away from the level of the liquid.

2,068,429
FUEL CONTROL VALVE
Joseph F. Mustee, University Heights, Ohio
Application March 20, 1934, Serial No. 716,493
1 Claim. (Cl. 158—117.1)



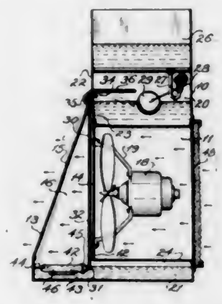
In a device of the character referred to, the combination of a burner, a fuel supply line connected to said burner, a valve in said fuel supply line, said valve comprising a valve body and a movable member positioned therein adapted to control the flow of fuel therethrough, a spring within said valve body continuously urging said movable member towards a closed position, a second spring within said valve body adapted to move said movable member against the resistance of the first mentioned spring in a direction to open said valve, and means for controlling the actuation of said second spring, said means comprising a bi-metallic thermostat positioned in proximity to the plane of said burner having means to hold said second spring in inoperative position when said thermostat is cold, said means comprising a flexible member for operatively connecting said second spring and said thermostat.

2,068,430
PRODUCTION OF SULPHUR
Thomas C. Oliver, Great Neck, N. Y., assignor to Chemical Construction Corp., New York, N. Y., a corporation of Delaware
Application June 9, 1934, Serial No. 729,797
11 Claims. (Cl. 23—226)



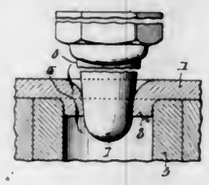
1. A method of producing sulphur from sulphide ores which comprises burning the sulphide ores in a confined space with a restricted amount of oxygen containing gas to produce a concentrated SO_2 containing gas at high temperature, bringing the hot gas in heat exchange relation with the oxygen containing combustion gas to preheat the latter, reducing the SO_2 gas to sulphur under conditions producing a waste gas containing SO_2, separating the sulphur from the waste gas, passing the latter in contact with a liquid capable of dissolving SO_2, the time of contact and amount of liquid being sufficient to substantially dissolve the SO_2 from the waste gases, removing the absorbing liquid from contact with the waste gases, removing at least a major portion of the SO_2 from the absorbing liquid in the form of an SO_2 containing gas, passing the said gas in heat exchanging relation with the hot SO_2 gases from the ore burner and introducing the thus preheated gas into the ore burner, whereby the SO_2 content thereof is added to the SO_2 produced in the ore burner.

2,068,431
AUTOMATIC HUMIDIFIER
Herman W. Patterson, Cleveland Heights, Ohio
Application April 1, 1936, Serial No. 72,154
15 Claims. (Cl. 261—106)



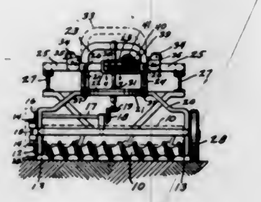
1. In combination, a housing having means providing an air passage, a foraminous screen, means mounting said screen for movement to a position extending across said passage such that the air flowing in the passage must pass therethrough, means for forcing air through said passage and screen, and means for supplying liquid to the screen, the last mentioned means being automatically rendered effective by such movement of the screen.

2,068,432
METHOD OF FORMING STAYBOLT CONNECTIONS
Herman J. Peters, Columbus, Ohio
Application June 10, 1935, Serial No. 25,861
1 Claim. (Cl. 29—157.4)



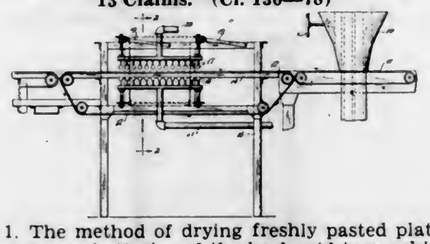
The method of joining a staybolt having a preformed flaring head to a sheet which consists in drilling a preliminary circular hole in the sheet of smaller diameter than the staybolt to ease a subsequent punching operation, punching a rounded plunger through said hole, the size of said plunger corresponding closely to the size of said tapered head, thereby producing an annular flange on said sheet, said flange defining a substantially conical cavity narrowing towards the end of the flange, taperingly threading said flange interiorly, inserting therein a staybolt having a correspondingly shaped and similarly taperingly threaded head fitting the cavity aforesaid, and riveting the head in place.

2,068,433
ROAD LEVELER
Maria E. Peterson, Hull, Iowa
Application December 31, 1934, Serial No. 759,863
2 Claims. (Cl. 37—145)



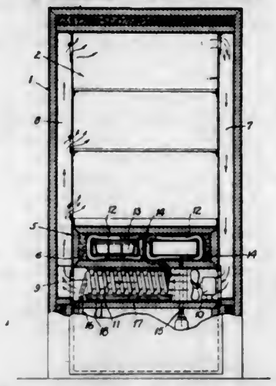
1. In combination with a road leveler, a rigid cylindrical cutting member having a spirally formed, continuous cutting edge, the weight of said road grader adapted to be supported by said cutting member, said cutting member being of substantially rigid construction to cause positive side cutting action on a road bed, a leveling blade positioned rearwardly of said cutting member, means for pivotally positioning the cutter, comprising an upper frame including an upper circular bearing plate, a lower frame including a bearing plate secured to said upper bearing plate, said cutter being rotatably mounted on said lower frame.

2,068,434
METHOD OF TREATING FRESHLY PASTED STORAGE BATTERY PLATES
Clarence C. Rose, Mentor, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application April 17, 1936, Serial No. 75,027
13 Claims. (Cl. 136—78)



1. The method of drying freshly pasted plates for storage batteries of the lead-acid type, which comprises playing directly upon pasted portions of the plates a flame containing carbon dioxide.

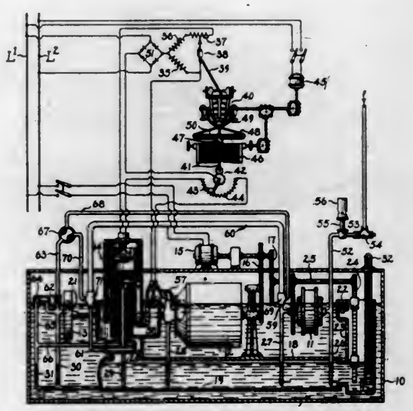
2,068,435
REFRIGERATOR
Donald E. Rutishauser, St. Louis, Mo., assignor to Zero Plate Corporation, a corporation of Delaware
Application February 6, 1933, Serial No. 657,238
6 Claims. (Cl. 62—116)



1. In a refrigerator, a storage compartment, a refrigerating compartment having an inlet from and an outlet to said storage compartment, mechanical means for continuously circulating air through said inlet into and through said refrigerating compartment and through said outlet back into said storage compartment, and a freezing chamber removed from said refrigerating compartment and from the path of said circulation and including an ice making receptacle and means for freezing liquid contained therein, said freezing chamber being arranged in close adjacence to said refrigerating compartment, and means for circulating a refrigerant first through said freezing chamber and then through said refrigerating compartment.

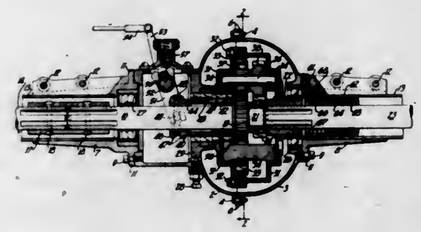
2,068,436
APPARATUS FOR DETERMINING THE TOTAL HEATING VALUE PER UNIT VOLUME OF COMBUSTIBLE GASES
Edwin X. Schmidt, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 25, 1935, Serial No. 18,188
9 Claims. (Cl. 73—190)

6. In a calorimeter, in combination, a burner, cyclically operated means for supplying a continuous flow of combustible test gas to said burner for combustion thereat, means for compensating for cyclic variations in the volumetric rate of flow of test gas so supplied, said means comprising means for adding to said test gas at a uniform rate a gas which is not combustible in air, said means also comprising a continuous and uniform volumetric capacity interposed between



said burner and the point where said second mentioned gas is added, said volumetric capacity being so proportioned as to effect a time lag equal to one-half, or uneven multiples of one-half, of the period of said cyclic variations in the volumetric rate of supply of the test gas, whereby the rate of liberation of heat upon combustion of the combined flows of said gases at said burner is substantially unaffected by said cyclic variations.

2,068,437
AUXILIARY TRANSMISSION
Charles E. Starr, deceased, late of Inglewood, Calif., by Eva M. Starr, administratrix, Inglewood, Calif., assignor to Perfecto Gear Differential Co., Bellingham, Wash., a corporation of Washington
Application March 14, 1935, Serial No. 11,031
6 Claims. (Cl. 74—291)

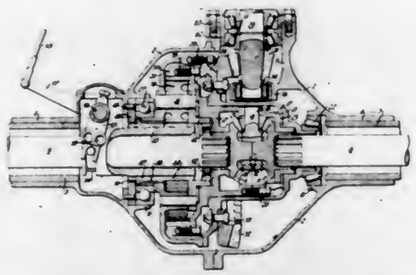


1. A transmission comprising a driving and a driven shaft, a gear fixed on each of said shafts, a double gear in mesh with said shaft-fixed gears, a ring gear in mesh with one of the double gears, a housing, a mounting for the ring gear journaled on one of said shafts, a mounting for the double gear journaled in the ring gear mounting, and means for optionally locking the ring gear mounting to the housing or to the double gear mounting.

2,068,438
SPEED CHANGE AXLE

Charles E. Starr, deceased, late of Inglewood, Calif., by Eva M. Starr, administratrix, Inglewood, Calif., assignor to Perfecto Gear Differential Co., Bellingham, Wash., a corporation of Washington

Application March 14, 1935, Serial No. 11,033
3 Claims. (Cl. 74—314)

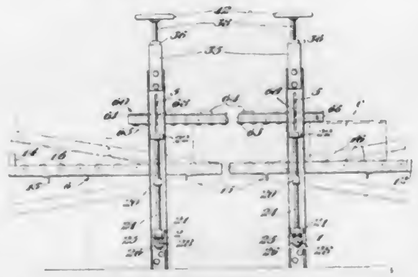


1. The combination with a differential gear system having a differential casing, of a planetary gear system comprising a ring gear mounted on the differential casing, a rotor, a planet pinion meshed with the ring gear and having one end mounted on the rotor, a ring for supporting the other end of the pinion, a sun gear meshed with the planet pinion, and means for locking the sun gear to said pinion supporting ring.

2,068,439
SEALING MACHINE

Frank O. Staves, Waltham, Mass., assignor to Felton & Son, Inc., Boston, Mass., a corporation of Massachusetts

Application February 5, 1936, Serial No. 62,460
3 Claims. (Cl. 93—2)



1. A sealing machine comprising upper and lower frame members, the upper frame member being mounted for independent vertical movement toward and away from the lower frame member, a plurality of rollers rotatably supported by each of said frame members, and means for yieldingly supporting said upper frame member for movement toward and away from said lower frame member, said means comprising a bracket secured to said upper frame member, a horizontally disposed yoke rigidly supported above said bracket, a vertically disposed screw shaft carried by said yoke, and connections between the lower end of said screw shaft and bracket including resilient means operative normally to hold the end of said screw shaft spaced from said bracket and yieldingly to oppose vertical movement of said upper frame member.

2,068,440
COLLAPSIBLE CAN-SHAPED DISPLAY DEVICE

Frederick A. Sunderhauf, Rutherford, N. J., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware

Application April 13, 1936, Serial No. 74,175
4 Claims. (Cl. 40—126)

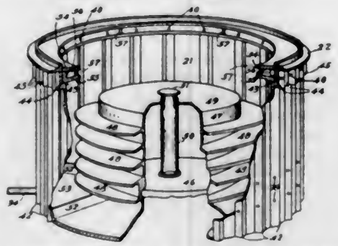


1. A collapsible can-shaped display device comprising a cylindrical body, and top and bottom ends each consisting of an outer substantially disk-shaped member fitted against an end of the cylindrical body and an inner substantially disk-shaped member secured to the inner face of the outer member and provided at its periphery with flaps initially projecting beyond the peripheries of the inner and outer members of said end and bent inwardly and arranged within the cylindrical body and frictionally engaging the inner surface of the same whereby the top and bottom ends are held in place on the body.

2,068,441
OIL BURNING DEVICE

Ben Valjean, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application June 17, 1932, Serial No. 617,802
4 Claims. (Cl. 158—92)

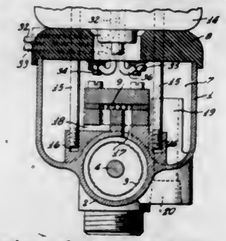


1. Combustion apparatus of the character described comprising a burner chamber having a bottom wall and an annular side wall, the side wall provided with a plurality of primary air inlet apertures in the lower portion thereof and a plurality of secondary air inlet apertures adjacent the top thereof, all of said apertures inclined horizontally to the radius of the burner to give the air admitted therethrough a circumferential direction, a pair of closely spaced air baffle rings located inside of the burner above and below the secondary air inlet apertures, a fuel receiving sump of limited circumferential and radial extent formed on the bottom wall adjacent the side wall, a wall of the burner being provided with a fuel inlet opening adapted to deliver fuel to said sump, and a horizontally disposed baffle arranged within the burner to partially overlie the top of said sump.

2,068,442
FUEL PUMPING AND METERING DEVICE

Carl Beckman, Detroit, Mich.

Application January 21, 1935, Serial No. 2,719
3 Claims. (Cl. 103—87)



1. In a device of the character described, a housing having a liquid reservoir, a pump in said housing for supplying liquid to said reservoir, metering valves in the bottom wall of said housing, actuating means for said valves disposed externally of said housing, an electric motor supported by said housing externally thereof and connected to said pump, circuit controlling means adjacent to said valve actuating means, and means on said valve actuating means for actuating said circuit controlling means.

2,068,443
MEANS FOR MOUNTING BOOK REFILLS

Adolphe Bernasconi, Rosebank, Staten Island, N. Y.

Application January 22, 1936, Serial No. 60,202
5 Claims. (Cl. 281—19)



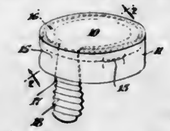
4. A book comprising a binder, a plurality of sheets forming the body of said book, and means for detachably fastening the latter to the former, said fastening means including a pronged member secured to and inwardly extending along the inner surface of the folding edge of said binder, and a spiral wire holder threaded through the binding edge of said sheets, adapted to be slipped over said pronged members by an endwise movement, at least one of said pronged members having its outer end pivotally attached to said binder.

2,068,444
TEAR TAB CLOSURE

Robert W. Breckenridge, Ridgewood, N. J., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware

Application August 29, 1936, Serial No. 98,497
5 Claims. (Cl. 215—46)

5. In combination, a preformed sheet metal cap having an integral cover and a depending skirt adapted to be mounted over a bead upon a container neck, and means associated therewith adapted for tearing and for lifting the cap from place when capped upon a container, said means

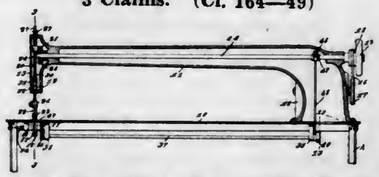


comprising a tear-tab arm and a sheet metal disc integrally connected with said arm, said disc being cut to form a central tearing portion and a marginal lifting portion.

2,068,445
CUTTING MACHINE

Thaddeus Stephens Brightwell, Rankin, Pa., assignor of one-fourth to William E. Scholtz, Braddock, Pa.

Refiled for abandoned application Serial No. 736,802, July 24, 1934. This application October 27, 1936, Serial No. 107,890
3 Claims. (Cl. 164—49)

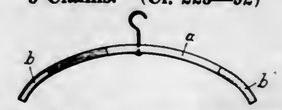


3. A machine of the kind described comprising superposed rotatable shafts, a work bed between the shafts, a reciprocating bar operated by the uppermost shaft, a bit carried by the bar for the cutting of work upon the bed, feed means for the work upon the bed and operated by the lowermost shaft and working at opposite sides of the path of movement of the bit, means coacting with said shafts to hold the feed means passive on downward movement of said bit and active on the upward movement of the latter, a plate interfitting with the feed means and carried by the bed and having a portion confronting the bit, the reciprocating bar having a down stroke preventing the bit from passing below the plane of the upper face of the work bed, said second-named means including a reciprocating member, a rocking part pivoted therewith and turning loose on the lowermost shaft and having a spring tensioned pawl, a wheel fixed to the lowermost shaft and having a roughened periphery engaged by said pawl, the rocking part being a moving support for said tensioned pawl, a guide for the work, and a spring pressed presser foot coacting with the guide and having roller contacts with the work.

2,068,446
CLOTHES HANGER

Olga Brodewitz, Essen, Germany

Application December 14, 1935, Serial No. 54,509
In Germany December 17, 1934
5 Claims. (Cl. 223—92)



1. A clothes hanger comprising a rigid central element and elastic resilient elements of hollow cross section connected to the ends of said rigid

element, said hollow elements extending beyond the ends of said rigid element, no portion of said hollow elements being of greater cross section than the portion thereof connecting said hollow elements to said rigid element.

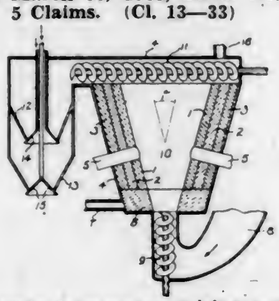
2,068,447

CONTINUOUS HIGH TEMPERATURE ELECTROTHERMAL FURNACE

George Chandler Cox, Modesto, Calif.

Application March 30, 1933, Serial No. 663,603

5 Claims. (Cl. 13—33)



1. An electric furnace comprising a chamber, the chamber having a charging zone at its bottom, a reaction zone above the charging zone, and a cooling zone above the reaction zone, means for electrically heating the reaction zone, and means for charging solid material including loose material into the bottom of the charging zone and upwardly to the reaction zone and for forcing the reacted solid material upwardly through the cooling zone, the solid material forming a thermal insulation during passage through the cooling zone, the chamber and charging means being so constructed as to cause the mass of moving solid material to increase in cross-section as it passes upwardly through the chamber.

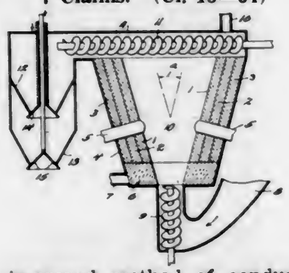
2,068,448

CONTINUOUS HIGH TEMPERATURE ELECTROTHERMAL PROCESS

George Chandler Cox, Charleston, W. Va.

Original application March 30, 1933, Serial No. 663,603. Divided and this application November 14, 1936, Serial No. 110,931

7 Claims. (Cl. 13—34)



1. An improved method of conducting high temperature reactions upon solids including loose material, which comprises forcing a charge of unreacted material into a charging zone at the bottom of a treating chamber and then upwardly into an electrically heated zone, treating the charge in the heated zone and forcing the reacted material upwardly past, out of the heated zone and through a cooling zone far enough to have the reacted material form a thermal insulation above the heated zone, and causing the horizontal cross sectional area of the mass of solid material to increase as it progresses through said zones.

2,068,449

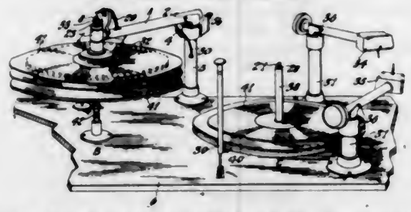
GRAMOPHONE OR THE LIKE

Arthur Robert Downs, Brighton, England

Application October 26, 1934, Serial No. 750,213

In Great Britain November 6, 1933

5 Claims. (Cl. 274—10)



5. In an automatic gramophone, in combination, a swinging arm, a friction pad on the outer end of said arm and revoluble about a vertical axis, expanding grippers extending through the friction pad and serving when contracted to pass through the central aperture in a record and when expanded to engage the undersurface of the central portion thereof and to pull the record into frictional engagement with the undersurface of the friction pad, a storage position for the records to be played, a playing position in which reproduction of each record is effected, a motor driven spindle extending vertically upwards in said playing position, and automatically operating means for lowering the swinging arm in the storage position to effect engagement with a record to be played, for raising the same with the engaged record suspended thereon, for swinging the arm with the record to a position above the motor driven spindle in the playing position, for lowering the arm to effect a driving connection between the friction pad and the motor driven spindle and finally for releasing the suspended record and for returning the swinging arm to the storage position for engaging a further record.

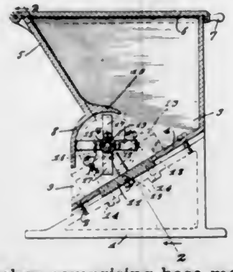
2,068,450

FEED GRINDER

Ralph Eberly, Dalton, Ohio

Application September 30, 1935, Serial No. 42,936

1 Claim. (Cl. 83—6)



A feed crusher comprising base means, a body secured to the base means and including a hopper and an inclined bottom with an outlet arranged at the lower end thereof, a flanged cover for the hopper and hinged thereto, a bar bridging the base means and extending across said bottom for disposal at an inclination therewith, supporting blocks mounted on the ends of the bar, bearing blocks mounted on the supporting blocks, means extending through all of the blocks and bar for removably securing the same to the base means, parallel stationary cutting spikes fixed to the bar and rising therefrom longitudinally thereof in row formation, a shaft journaled in the bearing blocks, and cutting spikes secured

to and radiating from the shaft in spiral row formation and arranged for passage between the stationary spikes and in pairs with the spikes of each pair parallel with each other.

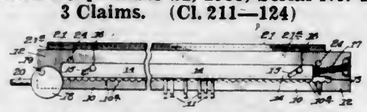
2,068,451

RACK FOR GARMENT HANGERS

George I. Elmore, Omaha, Nebr.

Application September 21, 1935, Serial No. 41,618

3 Claims. (Cl. 211—124)



3. A rack for garment hangers, including: a permanent support having a depending vertical flange with a slot having an enlargement at one end; a supporting bar adapted to receive a plurality of hooks of garment hangers; large-headed pins on said supporting bar adapted for insertion through the enlarged end of the slot of the permanent support and engagement with said slot to support said supporting bar from said permanent support; a vertically movable clamping bar on the supporting bar adapted to be lowered to bear against the upper surfaces of the hooks to clamp the same on said bar or raised to release said hooks; and means for raising and lowering said clamping bar.

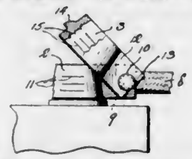
2,068,452

BOLTLESS BATTERY TERMINAL CLAMP

Alvin W. Hansen, McKees Rocks, Pa., assignor of twelve per cent to James H. Messick and twenty-five per cent to Ellsworth Jordan, both of Pittsburgh, Pa., and twelve per cent to Peter W. Yewusiak, McKees Rocks, Pa.

Application August 6, 1935, Serial No. 34,974

1 Claim. (Cl. 173—259)



A battery terminal clamp comprising a post receiving member including a tapered split ring portion providing arcuate jaws having corrugated post receiving faces, a shank formed on the split ring portion and being centrally slotted at its inner end with the slot extending into the ring portion and aligned with the space between the jaws at the outer ends thereof, headed studs formed on and projecting from the opposite sides of the shank, a clamping member including a tapered ring portion fitting the jaws for clamping association therewith, and ears extending from the tapered ring portion of the clamping member for disposal upon opposite sides of the shank and having slots therein received by the headed studs for loosely and pivotally securing the clamping member to the post receiving member.

2,068,453

ASCORBIC ACIDS AND METHODS OF MAKING SAME

Burckhardt Helferich, Leipzig, and Otto Peters, Oker, Germany

No Drawing. Application July 9, 1935, Serial No. 30,562. In Germany July 28, 1934

17 Claims. (Cl. 260—123)

1. The process of preparing ascorbic acids which comprises causing a glyoxylic acid ester to act upon an aldo-sugar in an alkaline medium.

14. The process of preparing an ascorbic acid which comprises causing a glyoxylic acid ester to act upon laevo-xylonic acid nitrile in an alcoholic solution of alkaline reaction.

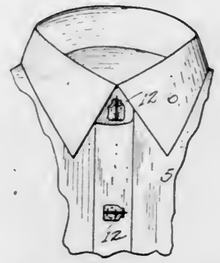
2,068,454

NECKTIE RETAINER

Taavi Helske, San Francisco, Calif.

Application September 16, 1935, Serial No. 40,806

1 Claim. (Cl. 24—60)



A necktie retaining device made of a single blank of material and embodying in its construction two wide end portions connected by a narrow medial portion, one of the said end portions having a hooked-shaped pin secured thereto, the other of said end portions being bifurcated so as to form a button engaging slot, said blank being bent on its medial portion so as to form a U shaped device, the extremities of the bifurcated portion being tapered to allow the passage of a button therethrough to the button engaging slot.

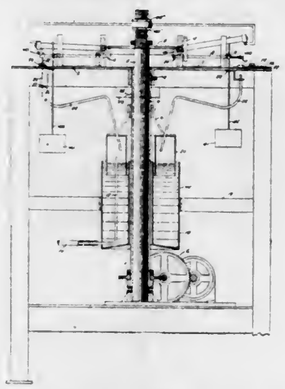
2,068,455

APPARATUS FOR CLOSURE ASSEMBLY

Daniel S. Holt, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application May 18, 1933, Serial No. 671,636

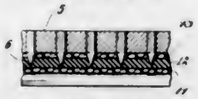
18 Claims. (Cl. 49—1)



1. In a machine for applying a fusible applicator to a closure, holding means for the fusible applicator, heating means effective for softening the fusible applicator, means positioning a closure with respect to said holding means, and means effecting relative movement between said applicator and said closure to effect union therebetween subsequent to the application of heat to said applicator.

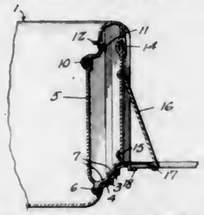
2,068,456
ELASTIC VENTILATED FABRIC
Edward J. Hooper, Nutley, N. J.
Application November 19, 1935, Serial No. 50,611
3 Claims. (Cl. 154—2)

1. Laminated elastic ventilated fabric comprising a rubber layer and an elastic textile fabric layer, adhesively united, the rubber layer being formed with a series of tapering wells terminating in small perforations in the plane of adhesive between said layers.



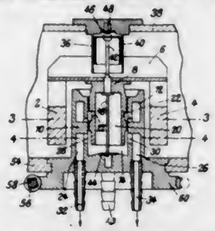
3. Process for making an elastic laminated fabric comprising adhesively uniting an incompletely vulcanized rubber sheet and a sheet of elastic textile fabric, forming a plurality of tapered apertures into said sheet, terminating in the plane of adhesion between said rubber sheet and said textile fabric sheet, and completing the vulcanization of said rubber sheet.

2,068,457
BATHTUB
Raymond S. Kirkwood, New Orleans, La.
Application September 4, 1936, Serial No. 99,468
6 Claims. (Cl. 4—173)



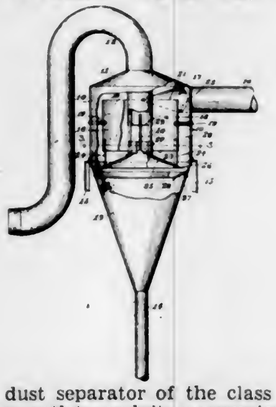
1. A bath tub having an entrance in a wall thereof, a door for the entrance and adapted to swing downwardly and inwardly of the tub to permit a person to enter and exit from the tub by way of said entrance, and means for effecting a watertight connection between the door and the tub when the door is in entrance closing position.

2,068,458
BEARING
Waldemar Möller, Klein-Machnow, near Berlin, Germany, assignor to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau, a German company
Application July 18, 1934, Serial No. 736,111
In Germany July 19, 1933
15 Claims. (Cl. 308—9)



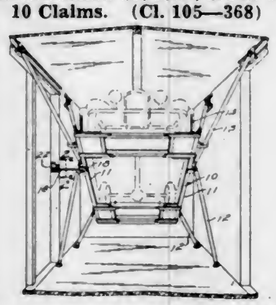
1. A compass comprising, in combination, a cylinder; a hollow, substantially cylindrical piston mounted for rotary and sliding movement in said cylinder; a magnet system carried by said piston; means to permit the entrance of pressure fluid into said cylinder and it exit therefrom; and ports controlled by movement of said piston relatively to said cylinder to vary the supply of pressure fluid admitted to said cylinder and its exit therefrom, and to cause the pressure fluid in said cylinder to support said piston for frictionless movement in said cylinder.

2,068,459
DUST SEPARATOR AND COLLECTOR
Thomas S. Monaghan, Chicago, Ill., assignor of one-half to J. B. Peterson, Chicago, Ill.
Application June 11, 1935, Serial No. 26,054
3 Claims. (Cl. 183—89)



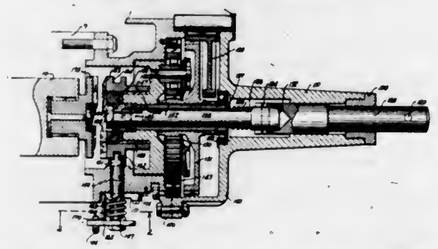
1. In a dust separator of the class described, a drum, an outlet conduit communicating with the top of said drum, an air admission pipe communicating with the drum near the top thereof, an elongated separating partition extending to a point near the top of said drum and above the bottom of said air admission pipe for producing a down draft, said conduit having an entrance opening located below the upper edge of said partition, a substantial cone-shaped disc arranged in spaced relation below said separating partition and having its edge extending laterally beyond the walls of said partition, and an inwardly extending downwardly inclined flange plate located below and in spaced relation from the edge of said cone-shaped disc, said drum provided with a funnel at its lower end, and said flange plate being secured to the wall of said funnel to constitute a protector therefor.

2,068,460
CAR LOADING DEVICE
Sulo M. Nampa, Detroit, Mich., assignor to The Worth Company, a corporation of Michigan
Application November 21, 1934, Serial No. 754,012
10 Claims. (Cl. 105—368)



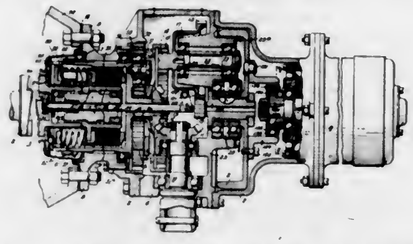
1. In combination, a support, a hook member pivoted on the support, means on the support for limiting swinging movement of the hook to between two positions, and a cam member pivoted on the support within the path of movement of the hook between said two positions and adapted to be swung to lock the hook member in either of such positions, said hook and cam being adapted to pass each other when both are intermediate their respective two positions.

2,068,461
CLUTCH DEVICE FOR STARTING MECHANISMS
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 8, 1931, Serial No. 536,031
Renewed September 20, 1935
1 Claim. (Cl. 192—82)



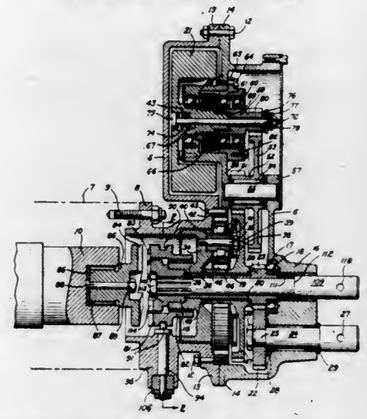
In an engine starter of the type embodying a member movable into driving engagement with a member of the engine to be started, a rod adapted to actuate said movable member, a torsion spring operatively connected to and coiled about said rod, means for maintaining said rod in non-actuating position comprising a notched member and a pawl engageable with said notched member, a second spring for maintaining said pawl in engagement with said notched member, a manually operable means for releasing said pawl to cause rotation of said rod and corresponding forward movement of said movable member by the transfer thereto of the energy stored in said spring.

2,068,462
ENGINE STARTING APPARATUS
Romeo M. Nardone, East Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 12, 1932, Serial No. 642,449
9 Claims. (Cl. 123—179)



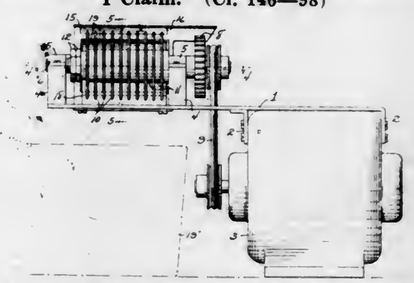
1. In engine starting apparatus of the type having a driven member adapted to mesh with a member of an engine to be started, and embodying a high speed flywheel, means for driving said flywheel including an electric motor and a one-way clutch engageable to energize said flywheel, and means for completely disengaging said one-way clutch to prevent any reverse rotation of said flywheel from being communicated to said driving shaft.

2,068,463
STARTING MECHANISM
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application May 8, 1931, Serial No. 536,031. Divided and this application December 27, 1934, Serial No. 759,423
3 Claims. (Cl. 123—179)



1. In an engine starting mechanism, the combination of a pair of engine engaging members having a common axis of rotation, means rotatable about said common axis of rotation for causing rotation of one of said engine engaging members, said means also being operable to cause longitudinal movement thereof, a peripheral groove and longitudinally extending splines on the other of said engine engaging members, an inertia member adapted to transmit energy to said second named engine engaging member through the instrumentality of said longitudinally extending splines, and means engageable with said peripheral groove to produce engine engaging movement of said second named engine engaging member.

2,068,464
STRING BEAN SLICER
Arthur W. Norman, Jersey City, N. J.
Application April 22, 1936, Serial No. 75,802
1 Claim. (Cl. 146—98)



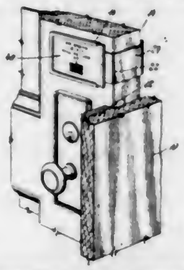
A string bean slicer comprising an elongated base having a discharge slot, depending portions secured on said base and secured on opposite ends of an electric motor for supporting said base horizontally and with a portion thereof projecting beyond one end of the electric motor, rotatable cutters journaled on the base, a drum journaled on the base and having grooves to receive the cutters, means connecting the drum

and cutters to the electric motor, a casing carried by the base and located over the cutters and drum and having a mouth positioned over the cutters and drum and in alignment with the discharge slot, and a guard secured to the base adjacent the slot and including spaced curved fingers projecting between the cutters and laterally of the mouth and drum.

2,068,465
PROCESS FOR PURIFICATION OF MUSTY WATER
Esteban Diaz Ortega, Habana, Cuba
No Drawing. Application August 31, 1934, Serial No. 742,356
4 Claims. (Cl. 210—2)

1. A process for purifying the musty water from alcohol stills which consists in diluting the musty water with fresh water in the ratio of 1:1, heating the diluted water to the boiling point, adding quick lime in the ratio of 48 grams to 1 gallon of the original musty water just before ebullition, transferring the liquid to a cooling container having a large exposed surface, and spraying the liquid with cold water in the ratio of 1 part of cold water to 1 part of the hot liquid, whereby the solids are precipitated.

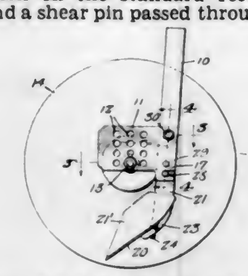
2,068,466
INDICATOR
Leonard B. Paul, Joliet, Ill., assignor of one-half to August M. Weis and one-half to Alice O'Mera Paul, Joliet, Ill.
Application March 25, 1935, Serial No. 12,932
5 Claims. (Cl. 40—16)



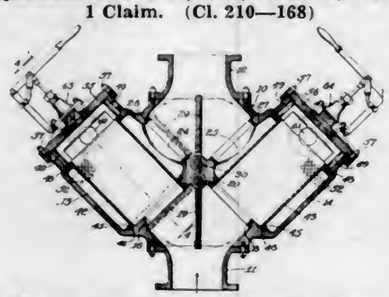
1. The combination with a door frame and a door hingedly connected with the frame, of an indicator comprising a support lying against the outer side of the door, an extension carried by said support and shaped to extend over one edge of the door and lie between the door and the frame, said extension extending beyond the opposite side of the door and having a pressure part for engaging said opposite side of the door, to hold the indicator in assembled relation with the door, and time indicating means slidably connected with said support and positioned in close relation with said frame when the door is closed, to prevent shifting of the means with respect to the support.

2,068,467
CULTIVATOR AND SHIELD
Frank Paus, Eitzen, Minn.
Application July 27, 1936, Serial No. 92,883
2 Claims. (Cl. 97—210)

1. In a cultivator, a standard, a shaft on the lower end of the standard, a colter on the shaft, a shank having a cultivator blade at the lower end, the shank extending along the standard between the colter and the standard, a bolt securing the shank to the standard, there being a groove in the standard at the lower end thereof, a projection on the standard received in said groove, and a shear pin passed through the standard and the shank adapted to permit the cultivator blade to rock on said bolt as a pivot and permit the projection to ride out of the slot when a rigid obstruction is struck.

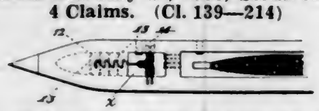


2,068,468
FILTER
William H. Phillips, Oak Park, Ill., assignor to Henry Pratt Company, a corporation of Illinois
Application March 31, 1934, Serial No. 718,497
1 Claim. (Cl. 210—168)



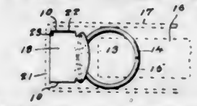
A filter device comprising a casing having an inlet and an outlet, chambers in said casing communicating with said outlet, filtering members disposed within said chambers, said filtering members having their ends adjacent the inlet open and in communication with the inlet, structure within the casing closing the same adjacent the filter ends of the filtering members so that the only communication between the inlet and outlet is through the filtering members, valve means operable to cut off communication between either of the filtering members and the inlet to the casing, and normally closed means for each chamber operable for the discharge of backwash fluid flowing through the walls of the filtering members.

2,068,469
TENSIONING DEVICE FOR SHUTTLES
Joseph B. Plevyak, Carbondale, Pa.
Application February 11, 1936, Serial No. 63,436
4 Claims. (Cl. 139—214)



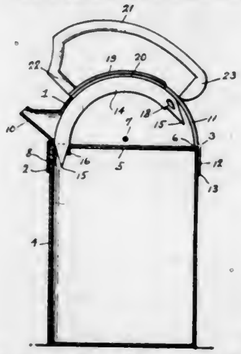
1. In tensioning devices for shuttles, a tension screw; a torsion spring mounted thereon between the ends thereof, with an integral portion of the centre of the spring projecting to one side of the spring and screw; means for holding the two ends of said spring in fixed relation to the screw, whereby the projecting central portion of the spring is yieldingly supported on the screw to rotate therewith; and a tension arm rotatably mounted at its inner end on the tension screw adjacent said projecting central portion of the spring, and extending beyond said portion in the same direction therewith, said arm being arranged to be engaged between its ends by the outer end of said projecting portion of the spring, whereby the spring yieldingly resists the free movement of said arm.

2,068,470
LOOSE LEAF NOTEBOOK, PEN, PENCIL HOLDER
Joseph Rezner, New Britain, Conn.
Application September 9, 1935, Serial No. 39,828
1 Claim. (Cl. 129—1)



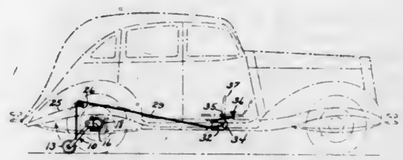
In a loose leaf binder, in combination, a chambered inherently resilient back formed from a single sheet of material cut and bent to provide an intermediate outwardly bowed portion and straight parallel side and end walls, the side walls being instruck next to the intermediate portion to present shoulders interiorly of the chamber in said back, toggle articulated leaves fitting the intermediate portion and fulcrumed on said shoulders, split rings carried by said leaves and projected through the intermediate portion for separable fastening of loose leaves of a notebook to said back, one of said sides being cut away to provide a door opening, a door closing said opening, a pivot rod journaled in the back longitudinally of said door opening, pintle sleeves formed on the door and embracing said pivot rod for the swinging of said door, and springs fitted with said pivot rod and door for tensioning the latter to hold it closed.

2,068,471
MILK CAN ATTACHMENT
Joe T. Riedl, Dickinson, N. Dak., assignor of one-fourth to Martin Binek and one-fourth to Sylvester Binek, both of Dickinson, N. Dak.
Application March 6, 1936, Serial No. 67,555
10 Claims. (Cl. 221—23)



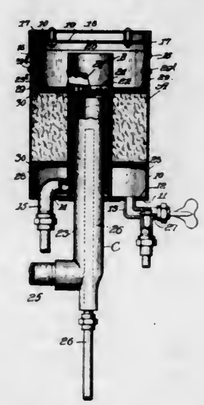
1. A milk can attachment comprising a dome adapted to be mounted on a can, a pouring spout projecting from said dome, an arcuate punch slidably mounted in the dome and guided thereby and operatively engageable with the can, and means for actuating said punch.

2,068,472
ANTI-SKID DEVICE FOR AUTOMOBILES
Elam M. Royer, Ephrata, Pa.
Application March 27, 1936, Serial No. 71,212
2 Claims. (Cl. 188—5)



1. Anti-skid devices comprising clamps, U-bolts adapted to attach the clamps to the rear axle housing of the vehicle, plates having arms pivotally connected to the clamps at the upper ends, road-engaging disc wheels on the lower ends of the arms, springs bearing against the clamps and the plates for normally holding the plates rocked downwardly to engage the wheels with the road bed, cables attached to the plate, a drum for winding up the cables to raise the wheels above the road bed, a ratchet and pawl device assembled with the drum for releasing the drum to permit the springs unwinding the cables therefrom, and a foot operated button connected with the pawl for releasing the pawl.

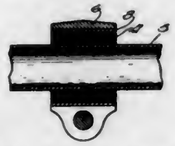
2,068,473
LUBRICATING OIL RECLAIMING APPARATUS
William Schwalge, Chicago, Ill.
Application September 14, 1934, Serial No. 744,072
6 Claims. (Cl. 210—131)



1. In apparatus of the character set forth, adapted for use with an internal combustion motor, a pair of concentric cylinders closed at their lower ends, a perforated cap for said outer cylinder, said cylinders providing an inner chamber and an outer chamber, filtering means supported in said outer cylinder, a pipe extending into said inner chamber, connections between said pipe and the exhaust manifold of said motor whereby the exhaust gases pass through said pipe, means for sealing the inner end of said pipe, a foraminous tube extending about said pipe, an overflow pipe establishing communication between the outer and the inner chambers, an inlet through which oil may be

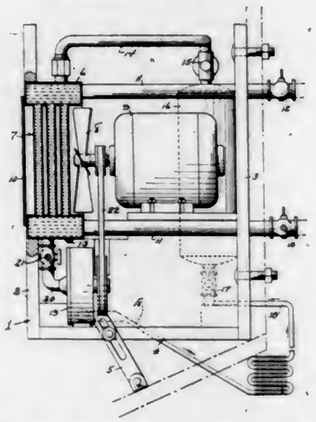
passed into said outer chamber, and an outlet pipe communicating with the bottom of said inner chamber.

2,068,474
HANDLE BAR CONSTRUCTION
Frank W. Schwinn, Chicago, Ill.
Application June 1, 1936, Serial No. 82,991
5 Claims. (Cl. 208—115)



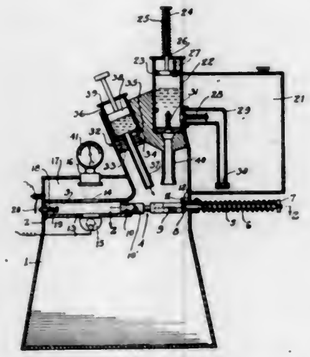
1. A handle-bar and cushion assembly comprising a handle-bar, a ring surrounding said bar and spaced therefrom, and a body of rubber cushioning material in the space between, and vulcanized to, said bar and ring.

2,068,475
AIR CONDITIONER
Dennis E. Stump, Jr., Denver, Colo.
Application January 4, 1936, Serial No. 57,608
1 Claim. (Cl. 257—7)



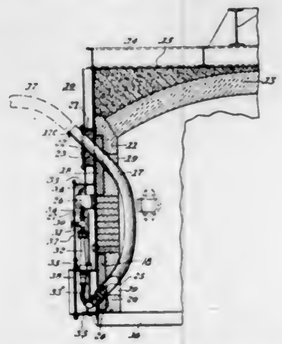
An air conditioner comprising a support including spaced vertically arranged walls and a connecting bottom wall and one of said vertical walls having an opening, a radiator including a core mounted in said opening so that air may circulate through the core, a fan for circulating the air through the core, an electric motor for driving said fan and carried by one of the vertical walls, pipes for circulating a heated fluid taken from a cooling system of an engine through the radiator and passing through one of the vertical walls and supported thereby, valves in the pipes for discontinuing the circulation of heated fluid through the radiator, a pump carried by the connecting bottom wall and connected to the radiator and driven by said motor, a storage tank carried by said support, a pipe connecting the pump to said tank and including an expansion coil located outwardly of the support, means connecting the tank to the radiator, a regulating valve in said last means, a cutoff valve between the pump and the radiator, and a check valve between the pump and the tank.

2,068,476
OIL TESTING DEVICE
Albert G. Thomas, Lynchburg, Va.
Application December 15, 1933, Serial No. 702,599
5 Claims. (Cl. 88—14)



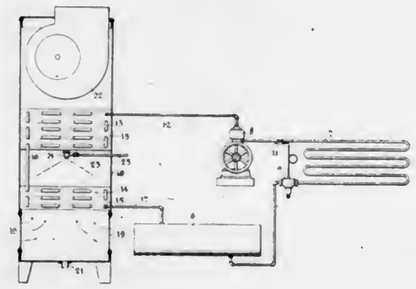
3. Apparatus for testing lubricating qualities of used oil and comprising: a support, a mesh screen positioned on said support to receive a sample of used oil to be tested and to separate the larger contaminating particles from the smaller and colloidal particles in said sample, a photo-electric couple on said support comprising a source of illumination and a photo-electric element including a gage for indicating variations in current therethrough, said screen being located in the path of the light beam between said source of illumination and said element.

2,068,477
FURNACE
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson, Cleveland, Ohio
Application April 17, 1936, Serial No. 74,958
11 Claims. (Cl. 266—5)



5. A furnace comprising a hearth and a cover having side walls and a roof, a burner tube having a gradually curved intermediate portion merging directly into upper and lower terminal portions, the burner tube having the curved intermediate portion inside the furnace and having the end portions passing through a side wall of the furnace at an obtuse angle to each other, the tube being disposed in a vertical plane and having a burner at the lower terminal portion thereof, the lower terminal portion being inclined inwardly and upwardly.

2,068,478
METHOD OF AND APPARATUS FOR CONDENSING REFRIGERANT IN REFRIGERATIVE CIRCUITS
John G. Bergdoll, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application December 15, 1933, Serial No. 702,582
5 Claims. (Cl. 257—37)



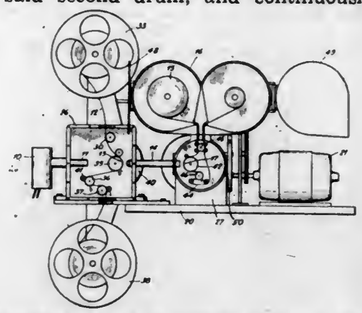
5. A condenser adapted for insertion in a refrigerating circuit and comprising, in combination, two heat exchanging units of the surface type spaced apart; means for connecting both said units in such refrigerating circuit; means for passing air in heat exchanging contact with said units successively; means for supplying water in a finely divided state to said air as it passes through the space between the units at a rate so limited that substantially complete evaporation of the water in the air and approach to saturation of the air will be ensured before the air passes through the second unit; and flow directing means so arranged that substantially all the air passes serially in heat exchanging contact with the two units.

2,068,479
POTENTIALLY REACTIVE SYNTHETIC RESIN FILM
Albert Henry Bowen and Theodore Williams Dike, Seattle, Wash., assignors to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
No Drawing. Application March 14, 1934, Serial No. 715,490
5 Claims. (Cl. 106—22)

1. A self-supporting non-reinforced potentially reactive adhesive film of reaction products of zinc chloride with urea and an aldehyde.

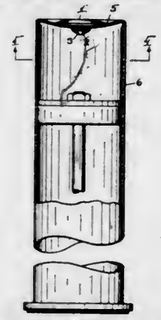
2,068,480
PROJECTION PRINTER
Raymond F. Brady, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1934, Serial No. 723,232
2 Claims. (Cl. 88—24)

1. Apparatus of the class described comprising a sprocket for feeding a photographic sound record film past a printing point, a drum for supporting the film at the printing point and adapted to be driven by the film, a flywheel, and continuously and aperiodically yieldable means coupling and driving said flywheel from said drum, means for directing light past said drum through the film thereon to a second film, a second drum for supporting said second film, sprockets for feeding film to and from said second drum, means for driving all of said sprockets and said second drum, and continuously and



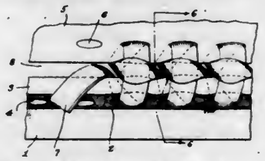
aperiodically yieldable means coupling said second drum to said driving means.

2,068,481
PUMP VALVE
Colin Brown, Rochester, N. Y.
Application May 16, 1932, Serial No. 611,497
7 Claims. (Cl. 251—119)



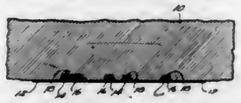
6. In combination with a concave valve seat having a port opening and fastening means associated with said valve seat, of a flexible valve disc having a convex back and a normally substantially flat face and fastening means provided on said substantially flat face and anchored to said fastening means of said valve seat to hold said valve disc flexed thereto so as to be held against the concave portion of said valve seat.

2,068,482
SHOE
Tycho Buek, Jr., Wynnewood, Pa., assignor to Claude H. Daniels, Wellesley Hills, Mass.
Application May 27, 1933, Serial No. 673,277
10 Claims. (Cl. 36—12)



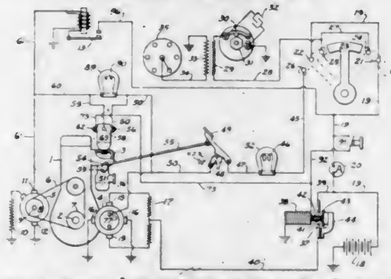
9. A boot or shoe comprising, an upper having spaced apertures adjacent its margin, a flanged sole having apertures therein spaced corresponding to the apertures in the upper, and lacing connecting said parts together, a lap of lacing connecting an aperture in one part with an aperture in the other crossing the lap of lacing connecting an adjacent aperture.

2,068,483
METHOD OF COLORING STONE
Clarence E. Cleveland and Vincent E. Peterson, Salina, Kans.
Application December 16, 1935, Serial No. 54,668
5 Claims. (Cl. 41—29)



3. The method of coloring calcareous stone, comprising coating the surface of the stone with a layer of liquid gelatin and permitting it to penetrate into the pores of the stone and congeal to a solid state to hermetically seal said surface; removing a portion of said layer of gelatin to expose a portion of the surface of the stone corresponding to the desired design; cutting into said exposed surface of the stone to the desired depth; and applying fluosilicate to the exposed cut surface of the stone.

2,068,484
AUTOMATIC STARTING SYSTEM
Irven E. Coffey, St. Louis, Mo.
Application September 24, 1934, Serial No. 745,282
14 Claims. (Cl. 290—37)



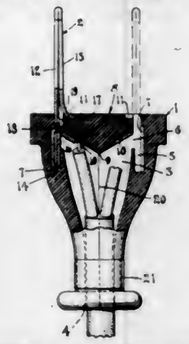
6. In a device of the class described, a starting motor, a solenoid controlled relay switch, a storage battery, a manually operated switch, connections from said manually operated switch to said solenoid, said connections including a heat responsive variable resistance, the voltage of said battery and the resistance of said solenoid being so calibrated with respect to said heat responsive resistance element as to cause the operation of said solenoid controlled switch when current is passed through said resistance element cold, but not when said resistance element is hot.

2,068,485
COMPOSITION FOR REGENERATING AIR FOR BREATHING
Kurt A. Gerson, London, England
No Drawing. Application September 25, 1934, Serial No. 745,451
9 Claims. (Cl. 23—6)

1. In a process of preparing an oxygen-liberating composition from an alkali peroxide, the steps comprising providing an intimate mixture of said peroxide and water in an amount sufficient to cause bonding of the peroxide but not more than about one-fourth mol. of water per mol. of peroxide, and heating said mixture to cause bonding reaction therein.

6. A composition for liberating oxygen upon contact with carbon dioxide and water, as by exhaled air, comprising alkali peroxide and water in an amount sufficient to cause bonding but not more than about one-fourth mol. per mol. of said peroxide.

2,068,486
ELECTRICAL CONNECTER
Charles E. Gilbert, New York, N. Y.
Application October 11, 1935, Serial No. 44,514
6 Claims. (Cl. 173—361)



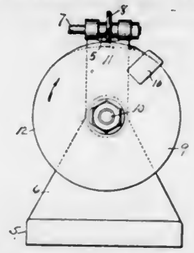
2. An electrical connecter comprising a one-piece elastic body provided with a passage therethrough adapted to permit the introduction of an electrical conductor and a contact element through the same end, a socket in a wall of said body connecting with said passage and adapted to receive said contact element, a contact element which consists of a strip of resilient conducting material folded upon itself so as to form two legs in substantially parallel relation, the free ends of both of which pass through said passage, one of said ends being seated within said socket and the other of said ends being offset and engaging with the wall of said passage so as to maintain said other leg within said socket against longitudinal displacement.

2,068,487
PENCIL AND ERASER HOLDER
Edmund M. Gorrell, Columbus, Ohio
Application September 7, 1935, Serial No. 39,588
1 Claim. (Cl. 120—38)



In means of the kind described a substantially cylindrical tube having at one end thereof an internal projection extending longitudinally of the tube, a stick of resilient eraser for said end of the tube the said stick being of substantially cylindrical form and having a diameter spacing it from the interior wall of said tube beyond said rib, the said internal projection of the tube being of a depth to penetrate the said eraser whereby said eraser is prevented from rocking or twisting in the tube, but permitted easy movement thereof longitudinally therein, and an internal screw thread in the opposite end of said tube adapted to engage the sheath of a lead pencil to feed the eraser from said tube, said eraser and pencil being movable in said tube independently of each other.

2,068,488
MECHANICAL MOVEMENT
Grant Hammond, New Haven, Conn.
Application June 12, 1934, Serial No. 730,341
1 Claim. (Cl. 74—436)



A mechanical movement including a rotatably mounted driver member composed of a single piece of short cylindrical form and having a groove extending peripherally laterally across its face, a rotatably mounted driven member of square shape having its sides resting squarely against the periphery of the driver member and having corners to enter said groove, the length of each side of said driven member being at least as great as the width of the peripheral face of said driver member, whereby a single step movement is imparted to the driven member by the entrance and exit of a single corner into and out of said groove and a guide comprising a cam secured to the side of said driver member and with a cam lip overlying its periphery to engage the corners of said driven member and guide said corners into said groove.

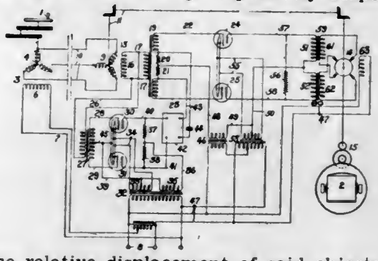
2,068,489
REDUCING DUSTINESS OF DUSTY MATERIALS
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application July 13, 1935, Serial No. 31,294
21 Claims. (Cl. 44—6)

1. The method of reducing dustiness of coal, coke, or the like dusty material which comprises spraying such material with an aqueous solution of glycerine "foots".

2. A method of reducing the dustiness of coal, coke or similar material which is normally dusty or has a tendency to form dust in handling, comprising, preliminarily removing objectionable odors or substances having objectionable odor forming tendencies from glycerine "foots" by a steam distillation treatment, and intimately contacting the coal, coke or similar material with a relatively small amount of the treated "foots".

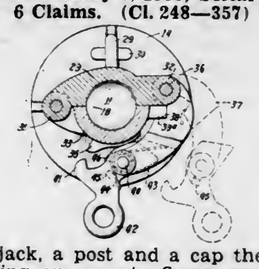
2,068,490
POSITION CONTROL SYSTEM
Harvard L. Hull, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 5, 1935, Serial No. 14,776
9 Claims. (Cl. 172—239)

1. A position control system of the character described, comprising a controlling object, a controlled object, motive means for driving said controlled object, a control circuit for said motive means, said control circuit having grid controlled rectifier means therein, and means for applying A. C. and D. C. control potentials to said grid controlled rectifier means, said A. C. and D. C. control potentials being respectively responsive



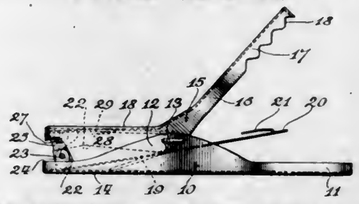
to the relative displacement of said objects and to the first derivative thereof with respect to time, whereby said control circuit is rendered responsive to a function of the relative displacement of said objects and to a function of the relative velocity thereof for varying the operation of said driving means.

2,068,491
MINE ROOF JACK
Frank J. Jakoubek, Elmwood Park, and William E. Gahl, Chicago, Ill., assignors to Templeton, Kenly & Co., Limited, Chicago, Ill., a corporation of Illinois
Application February 7, 1936, Serial No. 62,820
6 Claims. (Cl. 248—357)



3. In a jack, a post and a cap therefor, said cap including an arcuate flange and an arcuate part hinged at one end thereto for a laterally swinging movement, to coact therewith in providing a recess to receive one end of the post, a lever pivoted to said arcuate flange and adapted to engage a portion of said arcuate part to lock it in position with respect to said arcuate flange, and means for locking the lever against movement.

2,068,492
ANIMAL TRAP
Frank T. Johnson, Elgin, Ill., assignor of one-half to Edgar C. Guthard, Chicago, Ill.
Application April 22, 1935, Serial No. 17,643
9 Claims. (Cl. 43—83)



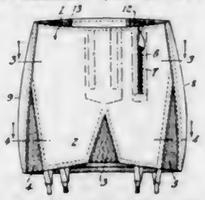
1. An animal trap comprising a base, a jaw pivotally mounted thereon, a spring tending to move said jaw to snapped position, said jaw and

base having rearward extensions serving as handles, a latch member pivotally mounted on one handle, means on the other handle adapted to engage said latch member to set the trap when the handles are caused to approach, and a bait member biased downwardly and arranged to be out of engagement with the latch when the trap is in catching position and to be engaged and elevated by said latch when same moves into trap setting position.

2,068,493
CORSET

Joseph J. Kispert, Hamden, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut

Original application April 29, 1935, Serial No. 18,935. Divided and this application July 26, 1935, Serial No. 33,379
4 Claims. (Cl. 2—37)

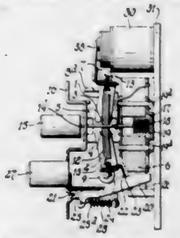


1. A corset of the character described, comprising a pair of inelastic side panels, a rear panel structure formed of material elastic and stretchable in one direction only, the material forming said rear panel being divided into three parts, the central part being positioned to stretch longitudinally of the garment and the remaining parts being positioned to stretch circumferentially of the garment, said remaining parts being wider at the top and tapering toward the bottom of the garment, and a front panel formed of three gores of elastic material and a body of inelastic material, said body of inelastic material having an A-shaped notch at the lower central part thereof and cut-away sides extending from the bottom to a point slightly more than half the height of the garment, said elastic gores being arranged in said notch and cut-away portions respectively, whereby from a point slightly above the center of the garment to the bottom is provided an elastic circumferentially stretchable connection between the body of the front panel and the side panels.

2,068,494
ELECTRICAL CONTROL DEVICE

Clarence Wilbur Kuhn and Clyde F. Robbins, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application November 2, 1931, Serial No. 572,586
5 Claims. (Cl. 175—335)

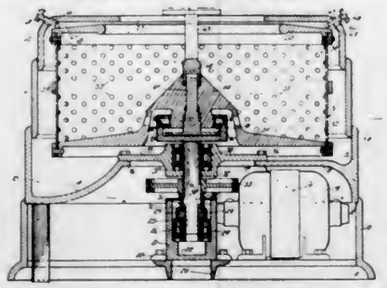


1. The combination with a control device including a movable control part, of a holding winding therefor to be supplied with alternating current, a core member for said winding having a shading coil associated therewith to provide magnetic fields of different phase for attracting said control part to hold the same in a given position, and supporting means for said core member permitting rotary adjustment thereof about its axis for variation of the holding effect of said magnetic fields upon said control part.

2,068,495
BALANCING, INDICATING, AND WEIGHING MEANS FOR ROTARY BODIES

Charles Calvert Lamb, Chicago, Ill.

Application September 6, 1932, Serial No. 631,810
7 Claims. (Cl. 210—63)

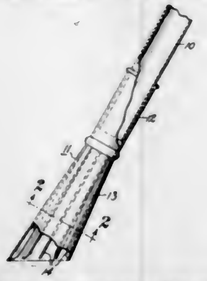


1. In a device of the character described a rotatable container, means for supporting said container for tilting about two horizontal axes at right angles to one another, and means for permitting tilting of said container about one axis, and locking said container against tilting about the other axis.

2,068,496
SUCTION NOZZLE

Lizzie Linghammar, Skanninge, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application May 21, 1936, Serial No. 80,931
In Sweden January 5, 1934
4 Claims. (Cl. 15—155)

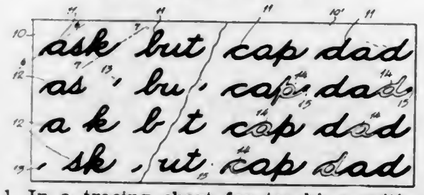


1. A nozzle for a suction cleaner comprising a tubular body of soft resilient material constructed to receive the end of a suction conduit, said tubular body having one end portion funnel-shaped and provided with ribs extending substantially from end to end of said funnel-shaped portion for reinforcing and preventing complete collapse of the same, said ribs being diametrically spaced in a manner to provide an opening of sufficient size to receive the suction conduit and permit reversal of the nozzle thereon, whereby either end of the tubular body may be used as a cleaning nozzle.

2,068,497
TRACING CHART

Charles Lorber, Louisville, Ky.

Application March 15, 1934, Serial No 715,705
2 Claims. (Cl. 35—37)



1. In a tracing chart for teaching writing a strip of material having depressed grooves forming at least one letter in chirographic character, the surface of the chart at the ends of each letter forming a smooth plane, the letter character formed by each of the grooves having terminal portions at which the grooves decrease gradually in depth to merge smoothly into said plane surface whereby upon a sheet of tracing paper being placed on the chart and the grooved letters traced by a tracing implement the latter will pass gradually into the deeper portions of the grooves and gradually from said deeper portions to said plane surface.

2,068,498
METHOD OF TESTING AND RESTORING THE EFFECTIVENESS OF DETERGENT BATHS

Franklin H. Mackenzie, Bywood, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

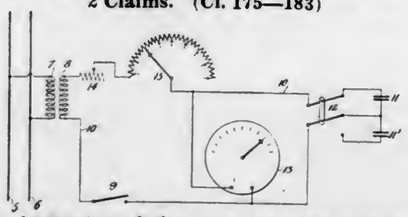
No Drawing. Application January 12, 1935, Serial No. 1,588
4 Claims. (Cl. 87—5)

4. The method of treating an aqueous cleaning chemical and a foaming agent in order to maintain it in a condition of maximum effectiveness, which method consists in determining its electrical conductivity; agitating the bath with air to determine the longevity of the resulting foam; allowing the bath to deposit sediment in order to determine the quantity of suspended matter therein; withdrawing a portion of the bath and then adding water, cleaning chemical and foaming agent in sufficient quantities to bring the electrical conductivity, the longevity of the foam, and the quantity of settled suspended matter at predetermined substantially constant values.

2,068,499
APPARATUS FOR MEASURING THE CONCENTRATION OF SOLUTIONS

Franklin H. Mackenzie, Bywood, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

Application March 5, 1935, Serial No. 9,519
2 Claims. (Cl. 175—183)

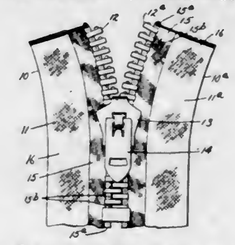


1. Apparatus of the type described including, in combination with a source of electrical current, a pair of spaced electrodes adapted to be immersed in solutions of varying concentration, a circuit connecting said electrodes with said source, a voltmeter connected in parallel with said electrodes, a variable electrical device in said circuit in series with the electrodes and with the meter for compensating for fluctuations in the temperature of solutions to be measured, and a second variable electrical device also in series with the electrodes and with the meter for compensating for variations in electrical conductivity of the solvent used in preparing the solutions being measured.

2,068,500
MOUNTING TAPE FOR SEPARABLE FASTENERS

Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York

Application June 26, 1935, Serial No. 28,396
10 Claims. (Cl. 139—384)

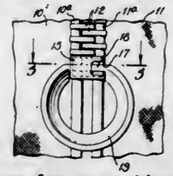


1. A tape for separable fasteners of the class described comprising an elongated strip of fibrous material, consisting of a wide freely extensible or yieldable portion and a narrow non-extensible side edge portion having a dense uniform rib weave throughout the length of said strip and contrasting in structure to the weave of the first named portion of said strip to provide a strong and durable edge portion, the free edge of said side edge portion being beaded and including a wire extending longitudinally of said edge and interwoven therewith, and said wire being exposed through the outer surface of the strip at close intervals throughout the length thereof.

2,068,501
END STOP FOR SEPARABLE FASTENERS

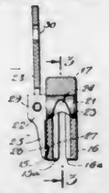
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York

Application September 10, 1935, Serial No. 39,909
5 Claims. (Cl. 24—205)



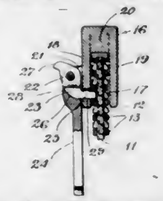
3. An end stop for separable fasteners of the class described comprising a cup-shaped sheet metal member, opposed side walls of which are extended and cut out to form pairs of projecting prongs with a socket or recess in said walls intermediate the prongs, a finger piece including a bar transversing said member and having a bearing in the socket intermediate the pairs of prongs, and said prongs providing means for attaching said cup-shaped body to suitable supports and for retaining the finger piece against displacement from said body.

2,068,502
LOCK SLIDER FOR SEPARABLE FASTENERS
Davis Marinsky, New York, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application October 23, 1935, Serial No. 46,259
17 Claims. (Cl. 24—205)



1. In separable fasteners employing stringers having spaced links thereon adapted to be coupled and uncoupled, a slider movable longitudinally of the stringers to couple and uncouple said links, said slider having spaced side walls, means extending transversely through the side walls of the slider and arranged intermediate said walls in the path of movement of the links therethrough for controlling the movement of the slider on said stringers, and said means comprising a rotatable member of less cross sectional area intermediate said side walls than in the planes of said side walls to form a recess for free movement of the links through said slider in one position of said member.

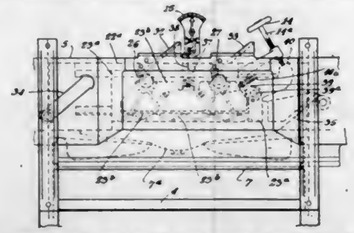
2,068,503
LOCK SLIDER FOR SEPARABLE FASTENERS
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application July 1, 1936, Serial No. 88,371
20 Claims. (Cl. 24—205)



9. The herein described means for controlling the operation of the sliders of separable fasteners of the class described, said means comprising two independently movable elements pivoted to and adapted to swing about a substantially fixed axis on a slider, one of said elements having a projecting lock pin and the other a finger piece portion.

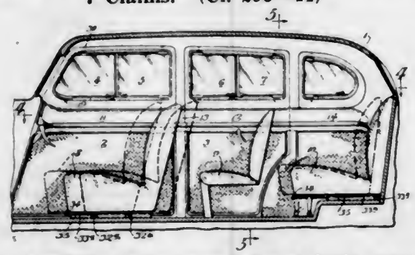
2,068,504
PAPER CUTTING MACHINE
Augustus Misch, Bronx, N. Y.
Application June 15, 1932, Serial No. 617,272
16 Claims. (Cl. 164—54)

1. A cutting machine of the guillotine type for cutting paper, leather, textile fabrics, rubber and the like, comprising a cutter carried by a knife bar, an automatic paper clamping device operated by a pressure producing unit, a means to impart to said knife bar a vertical and oblique movement, a back plate and a sledge, the oblique movement of the knife bar imparting to said sledge a combined vertical and horizontal movement causing it to slide along the back plate and imparting to the latter a vertical movement, and said pressure unit lying between a portion of said knife bar and a portion of said sledge which overlies said clamping device, and a



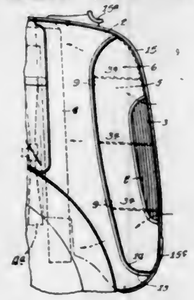
scale operated by said pressure unit to indicate the pressure in tons during each operation of the cutting period.

2,068,505
VEHICLE BODY
Willard L. Morrison, Lake Forest, Ill.
Application September 28, 1933, Serial No. 691,268
7 Claims. (Cl. 296—44)



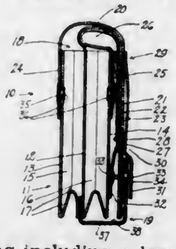
1. A vehicle body comprising a body portion having doors and portions of the body adjacent the doors, a plurality of seats inside of the body portion, and an arm rest having portions on said doors and on the adjacent portions of the body which form a continuous arm rest when the doors are closed.

2,068,506
RADIATOR SHIELD
Willard L. Morrison, Lake Forest, Ill.
Application February 19, 1936, Serial No. 64,648
5 Claims. (Cl. 257—132)



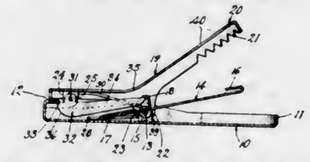
1. A radiator shield for automobile bodies having a radiator and an opening in front of the radiator provided with a grille, comprising a demountable closure device extending around the periphery of the grille on the outside thereof and having an opening therethrough smaller in area than the area of the face of the radiator, said closure device having a curved streamlined outer face converging toward said opening and fastening means for fastening it in position.

2,068,507
HANDBAG
Ethel Nagel, Brooklyn, N. Y.
Application September 1, 1936, Serial No. 98,842
12 Claims. (Cl. 150—28)



1. A handbag including a bag having a partition to provide a plurality of upward opening pockets therein, said bag having a body portion connected to the partition and extending upward therefrom and being foldable externally downward to the bottom of the bag on either side of the latter, said body portion including two plies of material providing a different finish for different faces of the body portion, said plies being separated from each other adjacent to the partition to provide separate cover portions for the different pockets, and the bag having opposite sides thereof of different finish similar to the finish of the complemental sides of the body portion to provide a handbag of different appearance according as the body portion is at one side or another of the bag, whereby each of said cover portions is directly uniformly supportingly secured to the bag, with one of the cover portions being protectively covered by the body portion and closing its corresponding pocket to provide a secret compartment.

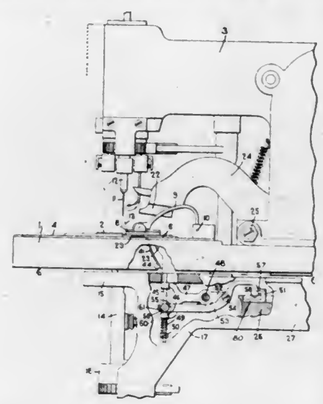
2,068,508
ANIMAL TRAP
Walter Leslie Orr, Los Angeles, Calif., assignor to Edgar C. Guthard, Chicago, Ill.
Application June 29, 1933, Serial No. 678,135
Renewed July 27, 1935
18 Claims. (Cl. 43—83)



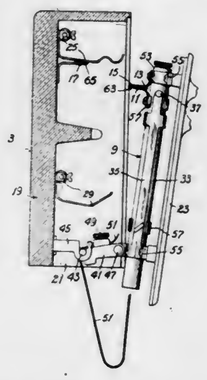
1. An animal trap comprising a base, a jaw pivotally attached intermediate its ends to said base, a spring contacting with the rear portion of said jaw for forcing the forward portion thereof toward said base, a stationary catch on said base, a trigger pivotally carried by the rear portion of said jaw for engaging said catch and having a forwardly extending arm, and a bait lever having a trigger catch for engaging said arm and cooperating with said first mentioned catch for holding said jaw in set position.

2,068,509
THREAD CUTTER FOR BUTTONHOLE SEWING MACHINES
Joseph H. Pikul, Troy, N. Y., and Carl A. O. Grip, Newtonville, Mass., assignors to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application November 15, 1933, Serial No. 698,128
32 Claims. (Cl. 112—252)

1. In a buttonhole sewing machine, in combination, stitch-forming mechanism, work-clamping means, thread-trimming means normally in contact with the under surface of the work, and means separate from the thread-trimming means to produce a relative separating movement between the work and the thread-trimming means just prior to trimming the thread.

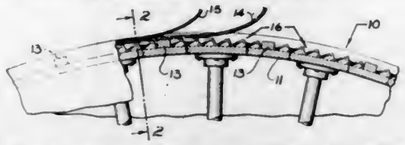


2,068,510
ELECTRICAL CUT-OUT
Ralph R. Pittman, Pine Bluff, Ark., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application March 25, 1936, Serial No. 70,782
15 Claims. (Cl. 200—118)



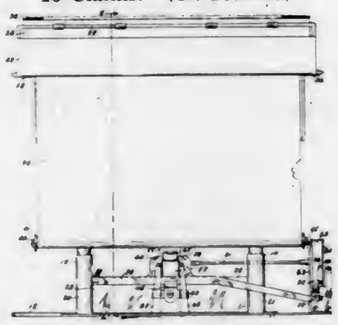
1. In a cutout, a fuse tube of insulating material, a pair of spaced conducting members secured to said tube and extending longitudinally therealong between the respective ends of said tube, contacts secured adjacent each of the respective ends of said conducting members, a fuse link within said tube, a dielectric element carried by said tube, means serially connecting said fuse link with said dielectric element, and means electrically connecting the series arrangement including said fuse link and said dielectric element between one of the contacts adjacent the lower end of one of the conducting members and the contact adjacent the upper end of the other conducting member.

2,068,511
FILTER
William Raisch, Forest Hills, N. Y., assignor to Municipal Sanitary Service Corporation, New York, N. Y., a corporation of New York
Application July 15, 1935, Serial No. 31,361
2 Claims. (Cl. 210—202)



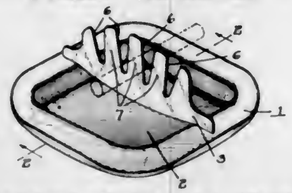
1. In a vacuum filter comprising an open top compartment having vacuum connections and filtering means stretched across the top of said compartment, a drainage plate in said compartment supporting said filtering means, said drainage plate having corrugations providing alternate ridges and valleys and elongated slots each starting on one side of one of said ridges and extending over the crest of the ridge, down the other side thereof to the bottom of the next valley and part of the way up the side of the next ridge.

2,068,512
COPY HOLDER
Howard D. Randall, Cincinnati, Ohio, assignor to The Randall Company, Cincinnati, Ohio, a corporation of Ohio
Application September 19, 1933, Serial No. 690,117
16 Claims. (Cl. 120—29)



1. A copy holder comprising a base, an extensible frame mounted on the base, said frame comprising a pair of standards consisting each of a plurality of telescopically associated tube sections, the respective tube sections of one standard being substantially identical with the like tube section of the other standard, the widest tube section of each standard being fixed to said base, a top piece extending between said standards and secured at the sides to the innermost of said tube sections, a roll of sheet material attached to and extending transversely of said fixed tube sections and having its outer portion projecting upwardly and the adjacent end thereof attached to said top piece, the pages being adapted to depend and lie against the unrolled portion of said sheet material, a hingedly mounted strip positioned adjacent said sheet material and adapted to extend transversely across the face of positioned copy pages, a pair of pressure rollers and a coil of steel tape mounted on said base, the tape passing upwardly between and engaged by said rollers and having its outer end secured to said top piece, means for turning one of said rollers to feed said tape upwardly and thereby raise said top piece and the associated tube sections, the copy pages at this time being carried upwardly behind said transversely extending strip whereby the latter serves as an eye guide, means to preclude buckling of the extended tape, means for holding the raised top piece and associated parts at any selected degree of elevation, and means for returning the raised frame and the extended tape and sheet material to their unextended positions.

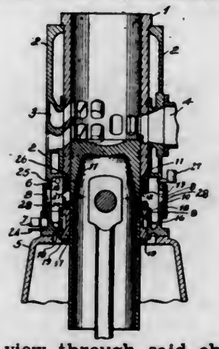
2,068,513
ASHTRAY
George H. Reimer, Fulton, Ill., assignor to Patent Novelty Company, Fulton, Ill., a corporation of Illinois
Application June 3, 1935, Serial No. 24,664
1 Claim. (Cl. 131—51)



In a combined ash tray and cigarette holder and extinguisher, a sheet metal body forming the tray, with a substantially flat horizontal rim portion for the top of the tray, slots formed in the said rim portion at opposite sides of the tray, a bridge plate of relatively thin flexible sheet metal disposed in the vertical plane of said slots, provided with reduced end portions formed for insertion through said slots, bent upwardly against the under side of said rim, and holding the plate firmly in a vertical plane, said plate having its lower edge curved and rounded longitudinally of the plate, so that said edge is below the plane of the top of the tray, and the upper edge portion of said plate, above the upper edges of said reduced end portions, being notched to form downwardly converging and downwardly tapering spaces alternating with upstanding portions radial, like the spaces, to a point substantially below the bottom of the tray, the edges of said upstanding portions being adapted to grip a cigarette placed between the edges thereof, to hold the cigarette, and being also adapted to sever the burned portion of the cigarette from the unburned portion thereof, and said tray being formed with a depresssion to receive the ashes and cigarette stubs, extending equidistant at opposite sides of said plate, with said curved lower edge of the plate disposed a distance above the bottom of said depression, whereby the tops of said upstanding portions are on the line of a circle struck from said point below the tray, and the lower ends of said notches are on the line of a smaller circle struck from the same point, whereby the entire device is composed of only two sections of sheet metal.

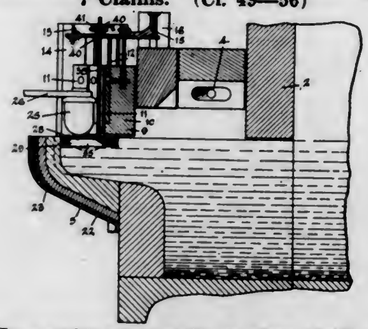
2,068,514
ENGINE SLUDGE CHAMBER
Rudolph Schneider, St. Louis, Mo., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo., a corporation of Missouri
Application April 6, 1933, Serial No. 664,680
16 Claims. (Cl. 123—196)

1. In a combustion engine having a cylinder jacket, a liner therein and air admission and exhaust ports, the combination of a downward extension of the jacket member below said liner and ports forming a sludge chamber about the piston, said extension being fenestrated to expose



the piston to view through said chamber during its operation, and wiper rings acting on the piston to deflect sludge into said chamber.

2,068,515
GLASS TANK FEEDING SHELF
Franz G. Schwalbe, Toledo, Ohio, assignor to Toledo Engineering Company, Incorporated, Toledo, Ohio, a corporation of Ohio
Application April 15, 1935, Serial No. 16,271
7 Claims. (Cl. 49—56)



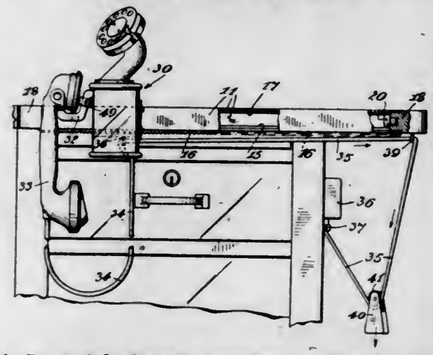
1. In combination with a glass shelf, a refractory member substantially fitting the major portion of the interior of the shelf and floatable on the surface of the glass in the shelf and having an oblong glass delivering port, the furnace having a wall overhanging the surface of the glass in the shelf and the inner side part of the member, means for heating the glass within the furnace by a flame produced by fuel under pressure, and means for varying the position of the inner part of the member with respect to the wall to vary the "sting-out" from the furnace and over the glass of the port.

2,068,516
STRATIFIED PRIMER CHARGE
Frederick R. Seavey, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
Application July 14, 1933, Serial No. 680,347
13 Claims. (Cl. 102—18)



1. In a primer having an anvil, the combination comprising, a relatively small quantity of sensitive priming mixture containing sufficient of an initiator to produce desired sensitivity characteristics for the primer disposed adjacent the anvil point, and a less sensitive layer containing sufficient of a fuel and an oxidizing agent to produce the heat, flame and gas producing characteristics for the primer superimposed upon the sensitive mixture.

2,068,517
TELEPHONE MOUNTING DEVICE OR THE LIKE
Edward F. Sibbert, Brooklyn, N. Y.
Application October 4, 1933, Serial No. 692,144
6 Claims. (Cl. 179—146)

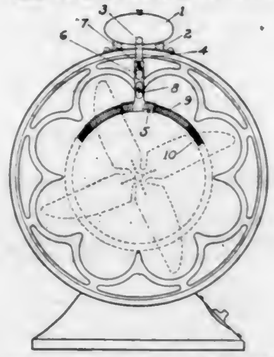


1. In a telephone mounting device, in combination, a hollow track rail adapted to be mounted to run along the front of a desk or the like and having within it a pair of lower tracks and a pair of upper tracks, said tracks of the pairs of lower and upper tracks being vertically opposed to each other, a carriage within said hollow track rail, track wheels on said carriage at the respective opposite sides thereof between and in engagement with lower and upper vertically opposed tracks at the same time for each of said track wheels, said tracks and track wheels having interengagement adapted to prevent rocking movement of said carriage transversely of said track rail, said hollow track rail having an exposed open slot longitudinally thereof, a bracket member rigidly extending from said carriage out through said slot transversely forward beyond said track rail and there adapted to carry a usual type of telephone set having a movable circuit-controlling element and fixed thereon beyond the front of said track rail, automatically acting means having a constant tendency to return said carriage and telephone set along said track rail from an advanced position of use of the latter to a normal retracted position of non-use, and automatically operated locking means adapted to be actuated from and controlled by the movable circuit-controlling element of said telephone set to lock said carriage at a position of use of said set and to release said carriage for its automatic return to its retracted normal position of non-use of said set.

2,068,518
NEBULIZER
Manning Simpson, Columbus, Ohio, assignor of one-half to Hugh K. Martin, Franklin County, Ohio
Application February 26, 1934, Serial No. 712,927
13 Claims. (Cl. 299—20)

1. In combination, a nebulizer element comprising a resilient, open, tubular coil, a fibrous core

carried therein, a bottle, an anchor cap coupling said bottle and said nebulizer element, and con-



nections between said cap and said nebulizer element.

2,068,519

OPHTHALMIC MOUNTING

Edwin F. M. Speidel, Cranston, R. I.

Application February 19, 1935, Serial No. 7,180
4 Claims. (Cl. 88—47)



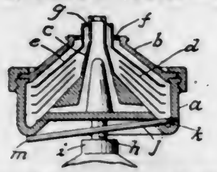
1. In an ophthalmic mounting, a frame member located entirely above the field of vision and shaped to conform substantially with and normally spaced from the forehead above the level of the eyes, temples pivotally connected to said frame member adjacent the ends thereof and each bowed outwardly throughout a portion of its extent at a point adjacent to its point of pivotal connection with the frame, and separate means carried by said frame member and each extending downwardly therefrom adjacent to one side of the nose for supporting a lens member in suitable optical relation with one of the eyes.

2,068,520

CENTRIFUGAL SEPARATOR BOWL

George J. Strezynski, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application September 16, 1933, Serial No. 689,707
13 Claims. (Cl. 233—47)



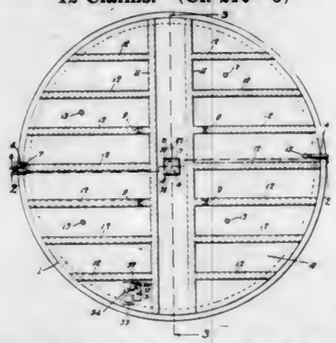
1. In a centrifugal bowl, the combination with a disc having a central opening for lighter separated liquid and a bowl top having a larger central opening for heavier separated liquid; of a discharge for still heavier liquid comprising a tube leading from close to the bowl wall inward beyond the periphery of the zone defined by said central opening in the bowl top, and a nozzle whose admission end is within said tube and outside the periphery of said zone and which terminates outside the bowl.

2,068,521

SCUM PADDLING DEVICE FOR SLUDGE DIGESTION TANKS

Marcus B. Tark, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois

Application June 13, 1935, Serial No. 26,362
12 Claims. (Cl. 210—3)



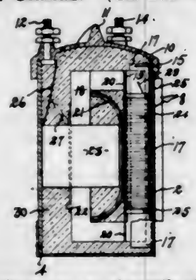
10. In combination, a relatively shallow circular sewage treatment tank having a generally flat roof, a plurality of columns arranged in spaced parallel rows across the tank supporting the roof, scum breaking means movable diametrically across the tank between two rows of columns.

2,068,522

IGNITION TRANSFORMER

Dewey C. Thordarson, Chicago, Ill.

Application November 29, 1935, Serial No. 52,088
17 Claims. (Cl. 175—361)



1. A transformer as described comprising an insulating casing having a section of its wall formed of metal, a transformer within said casing comprising a core, a primary and a secondary, means for positioning the primary of the transformer adjacent the metal wall section, and metal heat conducting fins secured to both sides of said metal wall section, the fins on the inside of said metal wall section being close to said primary.

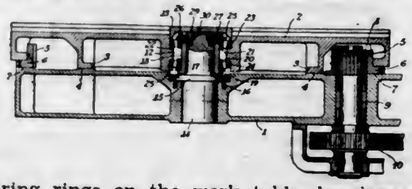
2,068,523

MACHINE TOOL

Alfred Trosch, Rochester, N. Y., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware

Application April 27, 1936, Serial No. 76,537
4 Claims. (Cl. 77—63)

4. In a machine tool, the combination with a base having an upstanding support, a collar fixedly attached to the support and adjustable vertically thereon, a lower conical bearing ring carried by said collar at the lower end thereof, an upper conical bearing ring arranged around the collar at the upper end thereof, a rotatable work table mounted on the base and having a central opening to receive said support, conical



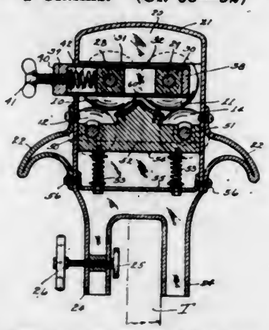
bearing rings on the work table, bearings arranged between the bearing rings on the work table and on the collar, a head fixedly secured to the upper end of the support and overlying said collar and upper bearing ring thereon, and means for adjustably securing the collar to the head and permitting vertical adjustment of the collar on the support.

2,068,524

CLOTHES WRINGER

Charles B. Williams, Shaker Heights, Ohio

Application December 22, 1930, Serial No. 503,891
4 Claims. (Cl. 68—32)



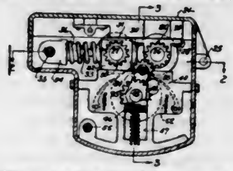
1. In a wringer, the combination of a pair of pressure rolls, a pair of auxiliary rolls contacting with the pressure rolls respectively and spaced apart to provide an upwardly opening intake bite between a respective pressure roll and its associated auxiliary roll, a guide in the form of a ridge projecting toward the path of the pressure roll, a pair of rigid bearing blocks supporting the guide at its end and carrying the journals for the two auxiliary rolls, resilient means for supporting the two rigid bearing blocks, and guides for said rigid blocks whereby an auxiliary roll and the guide may be moved as a unit.

2,068,525

WRINGER

Charles W. Williams, Cleveland, Ohio

Application September 23, 1935, Serial No. 41,706
23 Claims. (Cl. 68—32)



1. In a wringer, a pair of horizontally disposed pressure rolls, an auxiliary roll disposed beneath and shiftable to coact with either of the pressure rolls as desired and means to selectively rotate said auxiliary roll independently of clothes fed to the wringer in a direction to provide a bite with the pressure roll with which said auxiliary roll is moved to coact.

2,068,526

INKSTAND AND BOTTLE THEREFOR

Leo Zimmerman, New York, N. Y.

Application April 10, 1936, Serial No. 73,651
3 Claims. (Cl. 120—73)



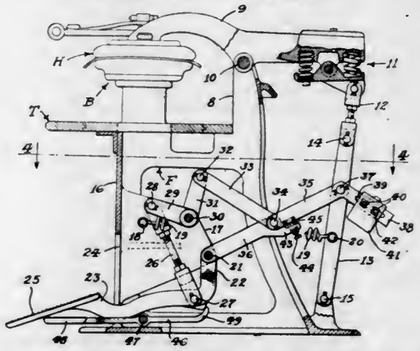
1. The combination with a stand having a raised platform, of a pair of channel-shaped uprights located back to back, a base plate integral with the lower ends of said uprights and secured to the platform, said channel-shaped uprights having inwardly projecting flanges at their edges, and bottles having flattened walls and flanges at the edges thereof fitting within said channel-shaped uprights.

2,068,527

GARMENT PRESSING MACHINE

Thomas Yosyk, Ridgewood, N. Y.

Application August 2, 1935, Serial No. 34,438
2 Claims. (Cl. 38—36)



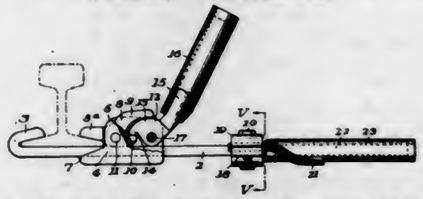
1. In a pressing machine including a frame, a pair of pressing elements one movable relatively to the other, a main toggle consisting of two interjointed links, one of which links is connected to said one element and the other of which links is fulcrumed on said frame, a second toggle consisting of interjointed links having one link connected to one of the links of the first toggle device and the other link fulcrumed on the frame, a bell crank lever pivotally mounted on the frame adjacent to the front thereof, a link operatively connecting one arm of said bell crank and the jointed ends between the two links of the second toggle device, a pedal lever pivotally mounted on the frame jointly with the mounting of the end of one of the links of the second toggle device for relatively short movement, and a link connecting said pedal lever and the other arm of the bell crank device, so that actuation of the pedal lever will cause a straightening out of the toggle devices so as to bring the pressing elements into pressing relation.

2,068,528

ADJUSTABLE GROUND RAIL CONNECTER

Cecil R. Anderson, Ben Avon, Pa., assignor to The Martin-Hardsocg Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 15, 1935, Serial No. 45,095
8 Claims. (Cl. 173—273)



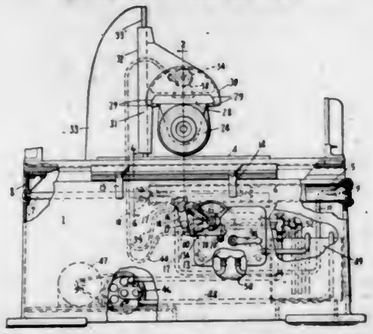
1. A ground rail connecter clamp comprising a bar-like body member having a rail flange engaging claw at one end thereof, a slide member having a guideway therein in which guideway the bar-like body member is received and in which said body member has a sliding fit, and an adjustable jaw element on the slide member mounted for movement about a fixed point on the slide and movable vertically into and out of clamping engagement with the flange of a rail engaged by the connecter.

2,068,529

GRINDING MACHINE

William G. Baldenhofer, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio

Application March 28, 1932, Serial No. 601,485
25 Claims. (Cl. 51—92)



1. In a machine of the character described, a plurality of fluid motors operating from the same source of fluid supply, manual means for regulating the fluid supplied to one of said motors, and fluid admission means operated directly by fluid for admitting successive predetermined charges of the fluid to another of said motors also operable from the same source of fluid supply.

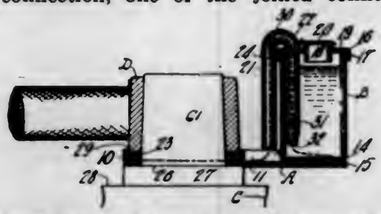
2,068,530

CORROSION PREVENTING MEANS FOR CONNECTIONS

Warren C. Berryman, Lakewood, Ohio

Application October 13, 1934, Serial No. 748,167
5 Claims. (Cl. 173—259)

2. In combination, a connection having joined parts and a unitary joint lubricating device including a base telescoped over one part of the connection and fitting sealingly thereto and being easily telescoped thereover and therefrom, a receptacle on said base around said one part, a lubricant containing reservoir on said base at one side of said receptacle, a porous washer in said receptacle and in contact on joined parts of the connection, one of the joined connection



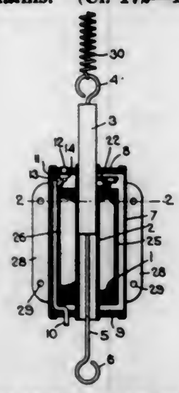
members closing the top of said receptacle and telescoping thereinto, and means for restrictively feeding lubricant from said reservoir to said washer.

2,068,531

ELECTROMAGNETIC MOTOR MECHANISM

Carl T. Blume, Melrose, Mass.

Application October 16, 1935, Serial No. 45,262
13 Claims. (Cl. 172—126)



1. An electromagnetic motor unit comprising a solenoid coil in an electric circuit, a core reciprocable axially of said coil and having no positive limitation of movement, yieldable means normally suspending said core partially within said coil, a switch in said circuit having relatively movable contact members, and yieldable means operable by movements of said core in reverse directions to move one of said contact members into and out of engagement with the other without substantially mechanically restricting the freedom of movement of said core whereby successive energizations of said coil will cause progressively increasing amplitudes of movement of said core until limited to a maximum amplitude of reciprocation by said yieldable supporting means.

9. An electromagnetic motor comprising a solenoid coil in an electric circuit, a core reciprocably mounted in said coil and movable inwardly of said coil by the electromagnetic force of said coil when energized, a pendulum having means flexibly connected to said core and movable substantially in the direction of the axis thereof operable by a swinging movement to overcome the electromagnetic force and reverse the direction of movement of said core, a switch in said circuit having a movable contact member provided with means engaging said core and actuated by said core during its inward movement to close said switch and retain it closed and during its outward movement to open said switch and retain it open, thereby alternately energizing and de-energizing said coil thus causing said core to reciprocate and the oscillation of said pendulum to be maintained with progressively increasing amplitude of oscillation until a maximum amplitude is attained after which the oscillation will remain constant.

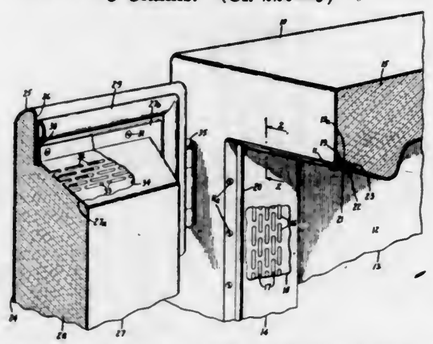
11. An electromagnetic motor comprising a solenoid coil in an electric circuit, a core reciprocably mounted in said coil and movable inwardly of said coil by the electromagnetic force of said coil when energized, a rotatable member having a crank pin offset from its center of rotation, means flexibly connecting said crank pin to said solenoid movable substantially in the direction of the axis, of said solenoid, and a counterweight on said rotatable member substantially diametrically opposite to said crank pin operable by the rotation of said rotatable member to exert a force upon said core adapted to overcome said electromagnetic force and reverse the direction of movement of said core, a switch in said circuit, means actuated by said core during its inward movement to close said switch and retain it closed and during its outward movement to open said switch and retain it open, thereby alternately energizing and de-energizing said coil thus causing said core to reciprocate and rotation of said rotatable member to be maintained.

2,068,532

REFRIGERATOR CABINET

Edwin H. Boddy, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application June 6, 1935, Serial No. 25,254
5 Claims. (Cl. 220—9)



1. A refrigerator cabinet construction comprising inner and outer walls arranged in spaced relation, heat insulation arranged between said walls, and a portion of sheet metal extending about the marginal portions of said walls and forming a closure between said walls, said portion of sheet metal having a series of closely spaced perforations formed therein to minimize the heat conductivity thereof, said portion of sheet metal being covered with a hardened coating material which forms a heat-insulating filler for said perforations.

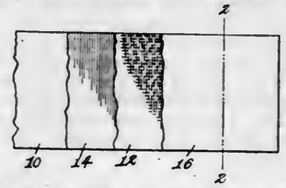
2,068,533

LAMINATED ARTICLE

Alden W. Coffman, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 11, 1935, Serial No. 26,079
5 Claims. (Cl. 154—43)

1. As a new article of manufacture, a laminated article capable of withstanding substantial temperature changes without delamination, comprising a metal article, a preformed layer superimposed thereon, and an intermediate cushioning and expansion equalizing layer comprising a fibrous layer to which the preformed layer is affixed to form a unit therewith, and a metallic adhesive layer alloyed with the metal article and keyed to the fibrous layer whereby stresses result-



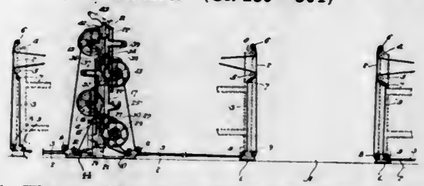
ing from the differential expansion and contraction of the metallic article and the superimposed layer are transmitted from the metallic article directly through the metallic adhesive layer to the fibrous layer.

2,068,534

TAKE-UP MECHANISM

Joseph P. Costello, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application May 2, 1933, Serial No. 669,040
5 Claims. (Cl. 139—304)



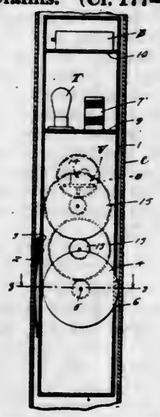
1. The combination with a plurality of looms, of means between said looms and at the backs thereof for rolling fabrics woven thereby and comprising rolls arranged at different elevations, and means comprising spring supported pivoted pawls and a weight tending to keep said pawls in operative position for operating the respective rolls in synchronism with the respective looms.

2,068,535

MEANS FOR LOCATING CEMENT

Delmar G. Crandall, Bakersfield, Calif.

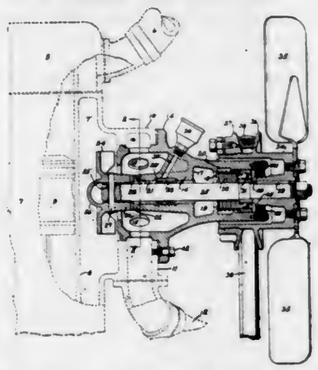
Application June 11, 1935, Serial No. 26,090
4 Claims. (Cl. 177—311)



1. An instrument for transmitting variable frequency signals to the surface of a deep well through the casing of the well comprising a

member to be pumped down the casing and including a variable oscillating circuit, means for making electrical contact between the oscillating circuit and the casing to permit the casing to carry the signals, said circuit also including a variable condenser for varying the frequencies of the signal in accordance with the depth to which the instrument travels, and means for operating the variable condenser as the instrument moves down the casing for changing the frequencies of the current so that the signals passing to the surface through the casing indicate the approximate depth the instrument has travelled down the well.

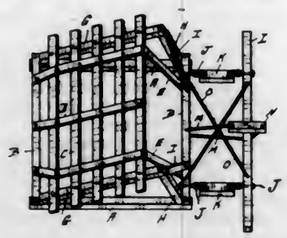
2,068,536
PUMP
David P. Davies, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application January 10, 1934, Serial No. 706,020
Renewed October 7, 1936
10 Claims. (Cl. 103—175)



1. In a pump, a housing including a fluid receiving channel communicating with and discharging into an engine water jacket, said housing embodying a shaft bearing; a lubricant containing chamber forming part of said housing; means in the housing for retaining a spring; a spring in said retaining means; a shaft in the housing extending through the spring, lubricant container and bearing and cooperating with the container to lubricate the bearing; an impeller on the inner end of the shaft including a hub having a closed end extending into the water jacket and an open end coacting with the adjacent wall of the shaft bearing to prevent leakage between the shaft and hub; means flexibly connecting the shaft and impeller hub whereby the face of the hub will become adjusted in fluid-tight relation to the bearing; an anti-friction bearing on the shaft engaged by and cooperating with the spring to thrust the shaft axially for engaging the hub and housing in fluid-tight relation; and means for rotating the shaft.

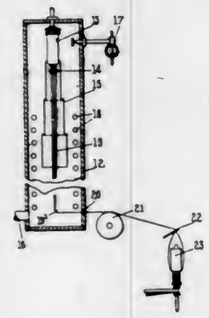
2,068,537
CURRENT DEFLECTOR
Frank Dorn, Everett, Wash.
Application May 1, 1934, Serial No. 723,349
2 Claims. (Cl. 61—3)

1. In a current deflector, the combination with a frame and anchoring means therefor, of a pair of spaced risers disposed at an acute angle to said frame and rigidly secured at one end to the frame, spacing posts rigidly securing the other ends of said risers to the frame, a series of deflecting cross members obliquely disposed with relation to said risers and secured thereto, and a



series of ribbons arranged transversely of the deflecting cross members and rigidly secured to said cross members.

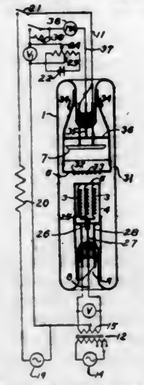
2,068,538
MANUFACTURE OF FILAMENTS OR THE LIKE OF CELLULOSE DERIVATIVES
Henry Dreyfus, London, and William Ivan Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application September 5, 1931, Serial No. 561,442
In Great Britain September 9, 1930
15 Claims. (Cl. 18—8)



8. Apparatus for the production of artificial filaments and like materials by the evaporative method from solutions of cellulose acetate or the like, comprising a spinning cell, a spinning jet in the cell and a shield device, surrounding said jet, constructed and arranged to maintain a stagnant atmosphere in the neighborhood of the jet, and to isolate it from the remainder of the cell.

2,068,539
DISCHARGE TUBE
Donald V. Edwards, Montclair, and Earl K. Smith, East Orange, N. J., assignors to Electrons, Inc. of Delaware, a corporation of Delaware
Application November 4, 1932, Serial No. 641,152
Renewed April 6, 1936
8 Claims. (Cl. 250—27.5)

2. In a gaseous discharge device including an anode, a cathode, and a control grid electrode, a grid-cathode structure wherein said grid and said cathode are mounted in predetermined operative relation and said cathode is provided with a shield having an opening therein between said grid and said cathode; the said grid-cathode structure, including the dimensions of the opening in said shield, being such that, with normal excitation of said cathode and less than dis-



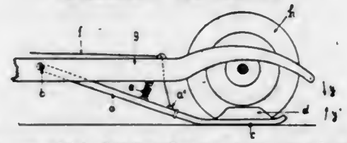
charge voltage on said grid, the current through said grid is ionic.

2,068,540
PIE CONTAINER AND DISPLAY SUPPORT
William Ehrlich, Chicago, Ill., assignor of forty-five per cent to Albert J. Fihe, Chicago, Ill.
Application April 28, 1933, Serial No. 668,362
7 Claims. (Cl. 206—44)



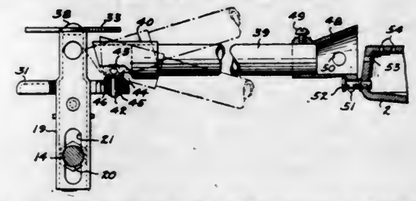
1. A band for use in making pie packages comprising a single strip of material formed into a hoop, integral preformed inturned continuous flanges on the upper and lower edges of the strip whereby the same may be brought down over a pie plate having a diameter less than the internal diameter of the body portion of the hoop and greater than the least normal internal diameter of the flanges and snapped into engagement therewith.

2,068,541
NONSKIDDING DEVICE FOR USE ON ROAD VEHICLES
Wilhelm Erdmann, Munich, Germany
Application June 28, 1935, Serial No. 28,913
In Germany January 19, 1934
4 Claims. (Cl. 188—4)



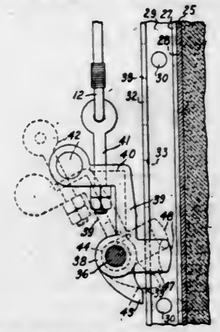
1. A nonskid device for use on road vehicles, comprising a shoe adapted in operative position to engage the ground surface, said shoe being formed on the side adjacent a wheel with which it cooperates with a rounded projection at all times above the ground surface and providing a surface with which the adjacent wheel may contact to exert a wedging action on that portion of the shoe engaging the ground surface, said shoe having an upstanding section to prevent the adjacent wheel riding over the shoe when in use.

2,068,542
GAS RANGE BURNER IGNITION DEVICE
Louis H. Geurink, East Cleveland, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application October 13, 1931, Serial No. 568,559
19 Claims. (Cl. 158—115)



1. In a flash lighter for gas burning appliances, in combination, a source of gaseous fuel supply, a continuously operating pilot burner, a main burner located outside the range of normal lighting proximity with respect to said pilot burner and having ports for the emission of the fuel supplied to said main burner, an open-ended gas conducting flash tube extending from said main burner to said pilot burner for conducting gas from said main burner to the flame of said pilot for effecting the ignition of said main burner when gas is supplied thereto, means pivotally secured to said flash tube and engageable with said pilot burner at a plane different to that of the pivot on the flash tube, said means providing a readily detachable universal joint connection between the end of said flash tube and said pilot burner, a readily displaceable member carried by said pilot burner and normally preventing the disengagement of said flash tube pivot means from said pilot burner, and means for supporting the other end of said flash tube on said main burner.

2,068,543
DOOR OPERATING MECHANISM
Ralph H. Greegor, Columbus, Ohio, assignor to General Door Company, Reno, Nevada, a corporation of Nevada
Application August 16, 1934, Serial No. 740,133
3 Claims. (Cl. 268—30)



1. In a door mechanism, a door composed of a plurality of transversely pivoted sections, a pin on each side of one section, a roller on each pin, a trackway having a flange and having a part thereof adapted to be engaged by the roller, a latching member pivotally mounted on each pin adjacent the roller, said latching member having thereon a latch to engage the flange of the trackway to support the door, means comprising a spring attached to the latching member and to the pin and a weight on the end of the latching member opposite the latch for urging the latch

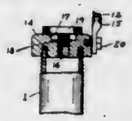
toward the flange, means on the pin arranged to engage one side of the flange and to hold the latch in close proximity with the other side thereof, and means connected to the latching members to move the latches from the trackways and raise the door, said spring being adapted to constantly urge the latching member toward latching position and cause the weight to exert thereon a force of increasing moment.

2,068,544
BATTERY CLAMP
Henry J. Hahn, Buffalo, N. Y.
Application July 31, 1934, Serial No. 737,737
3 Claims. (Cl. 173—259)



3. A battery clamp comprising two clamp members connected at their inner ends by means of a pivot pin, each member having a terminal engaging portion adjacent the pivot pin, said engaging portions having their top and bottom surfaces lying in substantially the same horizontal planes, a clamp arm, and a spring engaging head, reinforcing flanges carried by each terminal engaging portion, the clamp arms being superimposed and crossed, each arm being formed in its adjacent surface with a coacting recess, and a compression spring arranged between the spring engaging heads, whereby the jaw portions are drawn toward each other in clamping manner as the spring forces the spring heads away from each other.

2,068,545
GROUNDING MEANS
William Alexander Haig, Milwaukee, Wis., assignor to National Electric Products Corporation, a corporation of Delaware
Application May 20, 1935, Serial No. 22,317
1 Claim. (Cl. 173—31)



In a grounding rod for the grounding of electrical circuits and equipment the combination of an elongate metallic tube of circular section having a pointed ground-penetrating terminal and forming interiorly a sound-receiving bore, with a metallic body forming a driving and closure cap for the tube having at the under side thereof an annular upwardly extended groove threaded to the exterior of the tube at its upper terminal, said cap being arranged for the attachment of electrical terminal connection thereto and having a threaded bore providing passage for a depth-measuring sound extended therethrough and terminating upwardly in a recess formed below the upper face of the cap by which the bore threads are protectively shielded from the battering effect of blows delivered on the upper face of the cap, and a closure screw adapted to enter and close said threaded bore.

2,068,546
TEXTILE FIBER AND METHOD OF WATERPROOFING AND STRENGTHENING THE SAME
Joseph F. X. Harold, New York, N. Y.
No Drawing. Application February 6, 1932, Serial No. 591,454
5 Claims. (Cl. 91—68)

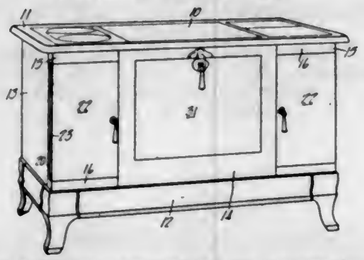
1. A process which comprises super-shrinking a fabric comprising textile fibers, treating the same with latex, drying the fabric, and subjecting it to the action of a rubber solvent for sealing the fibers.

2,068,547
DRESSING CASE
Joseph Jung, Offenbach-on-the-Main, Germany
Application June 12, 1934, Serial No. 730,251
In Germany June 21, 1933
4 Claims. (Cl. 150—34)



1. A dressing case comprising two symmetrical halves, a strip-like mid portion connecting said halves, two yielding rim portions secured to said halves and normally extending therefrom so as to form the side walls of the case when closed, two stirrups secured to and extending along the upper edges of said rim portions and connecting members linked to each other and to the ends of said stirrups respectively.

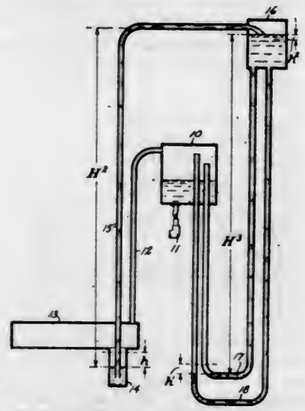
2,068,548
DOOR HINGE
Samuel Klute, South Bend, Ind., assignor to The Malleable Steel Range Manufacturing Co., South Bend, Ind.
Application March 28, 1934, Serial No. 717,791
3 Claims. (Cl. 126—194)



1. In a hinge construction for range doors, a door frame having an inner rearwardly extending off-set whose upper wall is provided with a vertical aperture, a vertical hinge pin aligned with said aperture and carried by the lower wall of said off-set, a door mounted in said off-set, upper and lower bosses carried by the inner side of said door and each having a vertical aperture, said hinge pin fitting into the aperture of said lower boss, a second hinge pin fitting into the aperture of said upper boss and said frame aperture, an angularly extending arm carried by the

lower end of said second pin, a bracket carried by the inner side of said door spaced laterally of the pivot axis of said door and below said upper boss for supporting said arm, and an upwardly extending finger carried by said bracket in spaced relation to said door for retaining said arm substantially parallel to and adjacent said door, said second pin being upwardly shiftable to release said arm from said bracket and finger whereby said arm may be rotated angularly of said door for movement spaced from said bracket upon subsequent downward withdrawal of said second pin from its receiving apertures.

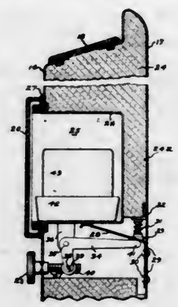
2,068,549
HEAT TRANSFER SYSTEM
Donald B. Knight, Brooklyn, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application May 23, 1933, Serial No. 672,405
7 Claims. (Cl. 257—24)



1. In a fluid heat transfer system, a boiler, a condenser below said boiler having a liquid collecting chamber, a condenser above said boiler, a conduit from the upper part of said boiler to the lower condenser, a liquid lift conduit from the collecting chamber in said lower condenser to said upper condenser, a U-tube liquid trap having one leg connected to the bottom of said upper condenser and the other leg open into the upper part of said boiler, and a second U-tube liquid trap having one leg connected to the bottom of said upper condenser and the other leg open into the upper part of said boiler above the opening of said first trap, said second trap extending below said first trap.

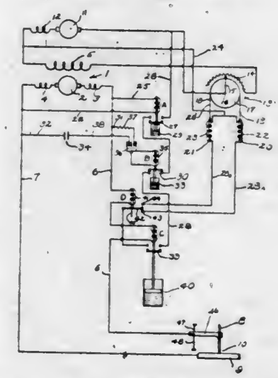
2,068,550
REFRIGERATOR CABINET
James L. Knight, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application June 19, 1935, Serial No. 27,363
7 Claims. (Cl. 62—89)

1. A refrigerator cabinet including a refrigerated compartment, a thermally insulated compartment within said refrigerated compartment, means providing a path for the conduction of heat between the exterior of said cabinet and said thermally insulated compartment for maintaining the temperature within said thermally insulated compartment above the temperature of said refrigerated compartment and within a temperature range suitable for preserving butter and the like, and means co-operating with said first mentioned means and changing the thermal con-



ductivity of said path for varying the amount of heat transmitted to said thermally insulated compartment.

2,068,551
DYNAMO-ELECTRIC MACHINE CONTROL
George G. Landis and Norman J. Hoenic, Cleveland, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application June 21, 1934, Serial No. 731,782
13 Claims. (Cl. 219—8)

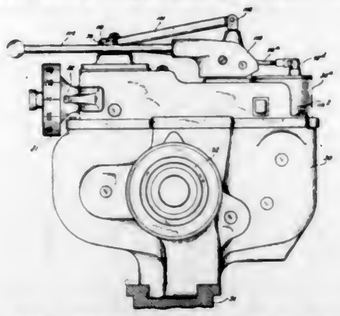


2. An electric arc welding system comprising a welding circuit including a welding current generator welding regulating means for varying the operating characteristics of said generator, a control circuit for said regulating means and a relay in said control circuit functionally responsive to the flow of pulsating and non-pulsating current in said circuit to respectively de-energize and energize said control circuit.

2,068,552
MACHINE TOOL
Max E. Lange, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application February 26, 1935, Serial No. 8,319
49 Claims. (Cl. 82—29)

1. In a machine tool having a part to be moved at different speeds, driving means for moving said part, speed changing means for said part including a device movable in one direction during the movement of said part to preset it for a certain speed and movable in another direction when said driving means is disconnected from said part

to actuate said speed changing means to obtain said speed, and a single control member for con-



trolling said device during its latter movement and for controlling said driving means.

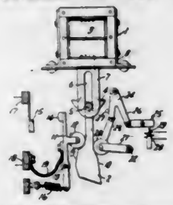
2,068,553

OPERATING MECHANISM

Leonard J. Linde, Aldan, Pa., assignor to General Electric Company, a corporation of New York

Application December 28, 1934, Serial No. 759,555

11 Claims. (Cl. 200—89)



1. Operating mechanism comprising actuating means and means to be actuated, a cam member, a roller member coacting with said cam member, and tripping means for holding said roller and cam members in operative engagement, said tripping means operatively engaging one of said members, the other of said members being separately connected to said means to be actuated, said actuating means effecting relative linear movement between said roller and cam members for operating said means to be actuated.

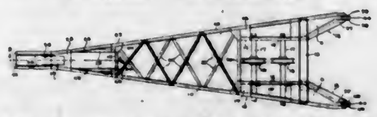
2,068,554

MAST FOR EXCAVATING MACHINES

Rolf E. Ljungkull, St. Paul, Minn., assignor to American Hoist and Derrick Company, St. Paul, Minn., a corporation of Delaware

Original application April 23, 1934, Serial No. 721,983. Divided and this application December 31, 1934, Serial No. 759,958

3 Claims. (Cl. 189—16)



1. Mast structure comprising spaced apart, longitudinally extending, downwardly diverging side frame members each consisting of a channel piece, reinforcing members between said side frame members, spaced apart sheave supporting members each consisting of a channel piece between lower portions of said side frame members and in spaced relation thereto, lower portions of said channel piece sheave supporting members continuing downwardly from upper, parallel portions thereof at an angle of greater divergence than that of said side frame members to meet the side frame members at their lower ends, and plates secured to the flanges of said sheave supporting members and side frame members, respectively, and a sheave supporting member and a side frame member at each side of the mast structure providing means for mounting the mast structure.

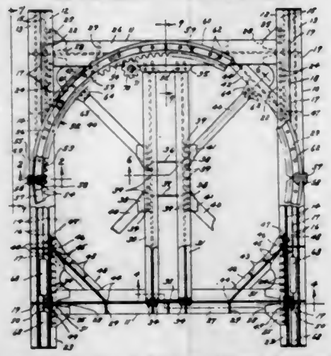
2,068,555

CAR BODY WITH BULL GEAR FOR EXCAVATING MACHINES

Rolf E. Ljungkull, St. Paul, Minn., assignor to American Hoist and Derrick Company, St. Paul, Minn., a corporation of Delaware

Original application April 23, 1934, Serial No. 721,983. Divided and this application March 23, 1936, Serial No. 70,437. In Canada April 15, 1935

20 Claims. (Cl. 105—28)



1. In a car body, a knock-down framing structure comprising side frame members extending longitudinally of said car body, end frame members extending transversely of said car body, means for detachably connecting meeting portions of said side frame members and said end frame members to each other, and a bull gear comprising a plurality of separate part-circle elements, each part-circle element of said bull gear being independently welded to one of said frame members.

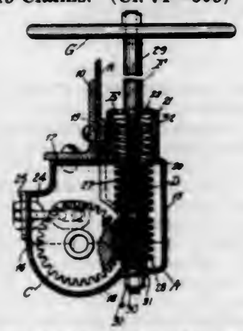
2,068,556

HAND BRAKE

Harvey J. Lounsbury, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application December 21, 1934, Serial No. 758,540

15 Claims. (Cl. 74—505)



1. In a hand brake mechanism, the combination with a rotary tightening element; of a worm

wheel member operatively connected to said element for rotating the same; a fixed threaded member; an axially displaceable rotary worm member having right and left threads thereon, one of said threads being engageable with the worm wheel and the other of said threads being engageable with the fixed threaded member; and manually operated means for rotating said worm member.

2,068,557

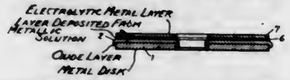
RECTIFIER

Maurice Masnou, Paris, France, assignor to General Electric Company, a corporation of New York

Application May 16, 1934, Serial No. 725,981

In France May 26, 1933

12 Claims. (Cl. 175—366)



1. A rectifier element comprising a metal member forming a cathode, a layer of active material on said plate forming an anode, and a metallic layer deposited upon said layer of active material from a solution wherein the metal of said metallic layer is in a state of colloidal suspension, the liquid in said solution being completely evaporable whereby said metallic layer comprises only said last-named metal.

12. The method of forming a rectifier element comprising a metallic plate having thereon a coating of active material which includes, bringing metal particles to a state of colloidal solution, the liquid in said solution being completely evaporable, placing said solution upon said coating, evaporating the liquid to deposit said metal only in a hard adherent layer upon said coating, and electroplating said layer to form a reenforcing conductive plate thereon.

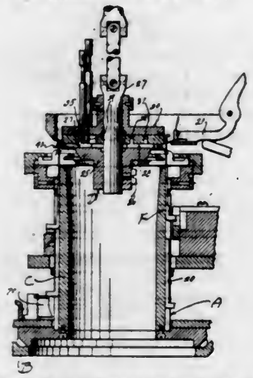
2,068,558

KNITTING MACHINE

Harry McAdams, Reading, Pa., assignor to Nolde and Horst Company, Reading, Pa., a corporation

Application June 8, 1934, Serial No. 729,655

5 Claims. (Cl. 66—24)



1. As an article of manufacture a transfer bit for knitting machines comprising an elongated narrow body having a cam actuated butt thereon and provided at its fore end with a stitch loop entering projection extended at its free end downwardly below the adjacent lower edge of said body, said bit at the juncture of the body with the projection having a stitch loop anchoring shoulder.

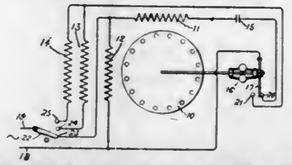
2,068,559

SINGLE-PHASE MULTISPEED MOTOR CONTROL

G. Eberhard Michelsen, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application May 29, 1936, Serial No. 82,491

5 Claims. (Cl. 172—279)



1. A single-phase variable-speed motor having a starting winding and a plurality of main windings of unlike pole number, a pair of supply terminals, circuit-connecting means for connecting one main winding and the starting winding in parallel circuits and to one supply terminal for starting the motor, said circuit-connecting means including a speed-responsive switch for disconnecting the starting winding circuit from one end of said main winding as the motor comes up to speed, said switch having a running position connecting said one supply terminal to one end of the other main winding, and a motor-control switch for selectively connecting the other supply terminal to the other ends of the different main windings.

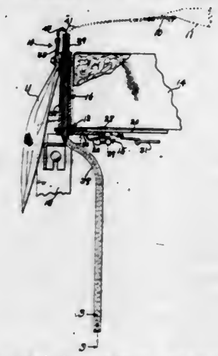
2,068,560

HANDKERCHIEF HOLDING DEVICE MOUNTABLE ON A BED

Theodore B. Morris, Chicago, Ill.

Application May 11, 1936, Serial No. 79,071

6 Claims. (Cl. 5—317)



1. A handkerchief holding device comprising means for holding a handkerchief in position of rest adjacent the upper surface of a mattress, means adapted to be supported in position at the lower surface of the mattress, and means extending between and operatively connecting said two means, being adjustable for length to adjust its upper end relative to the mattress also being flexible and having its outer portion pliable, so as to yield if bumped by a person, to avoid injuring the person or marring the bed.

2,068,561

ADJUSTABLE MARKER

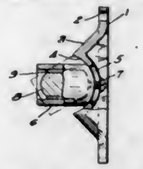
Lewis S. Murphy, Marion, Ind., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application June 19, 1933, Serial No. 676,448

4 Claims. (Cl. 88—82)

3. A traffic marker comprising a base member

for direct fixed attachment to a support, a housing rotatably mounted on said base member, a reflecting lens unit immovably secured in said housing, the longitudinal axis of said lens unit being noncoincident with the axis of rotation of said housing on said base member, means for immovably securing said housing in adjusted position



on said base member independently of means used for attaching said base member to a support, said securing means including a manually operable element within said base member for locking or releasing said securing means, said element being covered by a support when said base member is attached thereto.

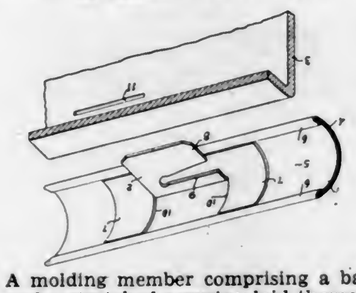
2,068,562

MOLDING

Shirley D. Murphy and Frank V. Osborn, Indianapolis, Ind., assignors to The John Lees Company, Indianapolis, Ind., a corporation of Indiana

Application October 4, 1934, Serial No. 746,868

10 Claims. (Cl. 20—74)



1. A molding member comprising a base portion and a stretched covering laid thereover and a portion of said covering turned over and under the base to lock the cover thereon in stretched condition, said base portion and said covering being of different materials, and said base portion being smooth and convex whereby tension applied by said turned-over portions constantly urges said covering toward adjacent surfaces of the base portion.

2,068,563

METHOD FOR METAL WORKING

Shirley D. Murphy and Frank V. Osborn, Indianapolis, Ind.

Application May 28, 1935, Serial No. 23,888

2 Claims. (Cl. 153—1)



1. A method of making a molding member including rolling a covering portion upon a base portion, bending the edges of said covering portion around the edges of said base portion, and forming the assembly thus made to a different configuration, whereby to stretch said portion over said base portion and then applying clinching pressure in a direction substantially normal to the inner surfaces of the edges of the base member, and thereby pressing a substantial width of the edges of said covering portion disposed inside said base portion, against the base portion.

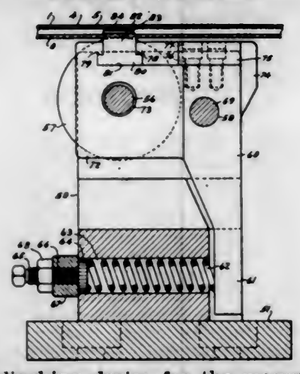
2,068,564

METALWORKING APPARATUS

Shirley D. Murphy and Frank V. Osborn, Indianapolis, Ind.

Original application May 28, 1935, Serial No. 23,888. Divided and this application December 18, 1935, Serial No. 55,038

9 Claims. (Cl. 153—1)



9. A clinching device for the manufacture of composite metal moldings comprising a former arranged to extend within the base member of the molding and provided with portions which extend over the edges of the base member for a substantial distance and conform to the shape of the base member, and yieldingly mounted means for pressing the edges of the covering of the molding, when assembled on the base member with its edges extending within the base member, into engagement with said former and to thereby force the edges of the covering into engagement with the base member.

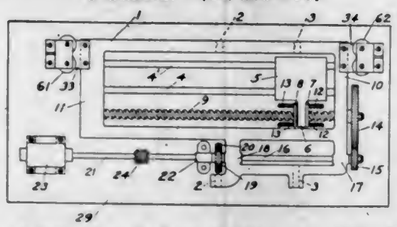
2,068,565

SCALE

Perry Okey, Columbus, Ohio, assignor to Exact Weight Scale Company, Columbus, Ohio, a corporation of Ohio

Application March 28, 1934, Serial No. 717,768

8 Claims. (Cl. 265—56)



1. A scale comprising a beam, a poise carried by and traversible in said beam, an electric motor for traversing said poise, a plurality of circuits including and operating said motor, weight supplementing electro-magnets actuated by said circuits and acting magnetically upon the aforesaid beam to vary the weight effect of the poise, contacts actuated by said beam to break the circuits including said electro-magnets as the aforesaid poise approaches balancing position, and an electro-magnetically operated contact intermittently making and breaking the motor circuit from the time said beam breaks said circuits until equilibrium is established.

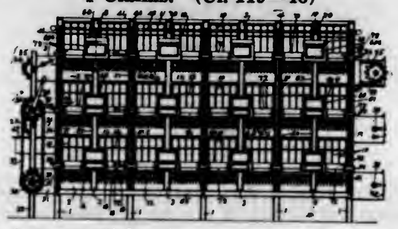
2,068,566

HEN BATTERY

John B. Olson and Ruby R. Young, Fort Atkinson, Wis., assignors to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin

Application October 26, 1932, Serial No. 639,662

4 Claims. (Cl. 119—48)



1. A new article of manufacture for use as a trough for feed for hens comprising a bottom having a chute, side walls, front and rear walls, a chute, and a vertically disposed partition carried by the side walls between the front and rear walls and extending to a point above the bottom of the trough whereby the second chute is positioned between said partition and the back of the trough.

4. In a watering system, means of supplying water, a plurality of vertically spaced superimposed pans, each pan having a hole in one side, and a rod extending into one pan through the hole therein and depending therefrom into the next succeeding pan below whereby the contents of the upper pan will overflow and be directed downwardly over the outside of and along said rod into the lower pan.

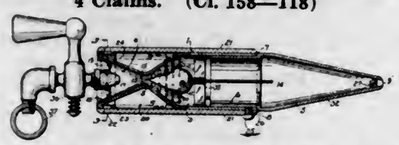
2,068,567

AIR AND GAS MIXER FOR GAS BURNERS

Herbert R. Palmer, Cleveland, Ohio

Application January 11, 1935, Serial No. 1,416

4 Claims. (Cl. 158—118)



1. An air and gas mixer, comprising a mixing tube, said mixing tube comprising communicating primary and secondary mixing chambers, the walls of said mixing chambers converging toward a common point, means for supplying gas and air to said primary mixing chamber, a conical deflector in said secondary mixing chamber, air openings through the wall of said secondary mixing chamber, a sleeve enclosing said primary and secondary mixing chambers and forming an air chamber, and means for admitting air to said air chamber.

2,068,568

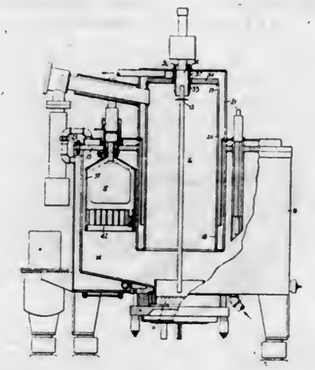
METAL TANK VAPOR ELECTRIC DEVICE

Eugene H. Reid and Frederick H. Anderson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application October 17, 1934, Serial No. 748,617

5 Claims. (Cl. 250—27.5)

1. In a vapor electric device of the metal tank type having an anode and a metal shield surrounding the anode, means to mount said shield insulatingly on a wall of said tank including a metal member connected to said shield and extending laterally thereof, an insulating member



mounted between an edge of said shield and said wall, a second insulating member, means to connect said second insulating member to said laterally extending member, and means to connect said second insulating member to said wall.

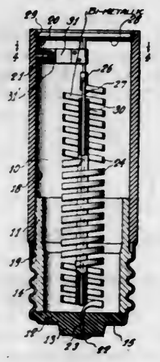
2,068,569

CIRCUIT BREAKER

John Rog, Brooklyn, N. Y.

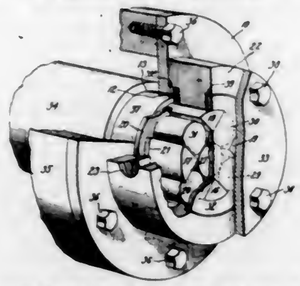
Application April 8, 1935, Serial No. 15,279

1 Claim. (Cl. 200—113)



A circuit breaker plug comprising a dielectric tubular casing having a sleeve tight fitted in one end, a dielectric disc at the outer end of said sleeve, a screw threaded conductive shell enclosing the extending portion of said sleeve and clamping said disc thereto, a strip conductor fixed in said casing in electrical contact with said shell, a carbon block carried by said conductor to extend radially into said casing, a contact fixed centrally on said disc, a thermostatic helix in electrical engagement with said contact, said helix extending axially into said casing, a rod fixed on the extremity of said helix to pass axially therethrough, a guard tube on said rod, a contact arm supported and actuated by the outer portion of said rod to normally rest against said block and movable therefrom upon the imposition of an overload in the circuit, and a transparent cover for said casing.

2,068,570
ROTARY PUMP
Aubrey A. Ross, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application September 14, 1933, Serial No. 689,409
5 Claims. (Cl. 103—136)



5. In combination, a prime mover shaft subject to axial play during operation, a pump having a casing with an inlet and an outlet diametrically opposite the inlet, a rotor eccentrically arranged in a chamber defined by the casing, the rotor having axial play in the casing, and having a portion rigidly secured to the shaft, and sealing means for the pump to prevent leakage between said inlet and outlet during axial play of the prime mover shaft, the sealing means including a plate rotatably disposed in an eccentric recess of the casing and having openings receiving end portions of the rotor and forming a sliding fit therewith to permit relative axial movement between the end portions and the sealing plate.

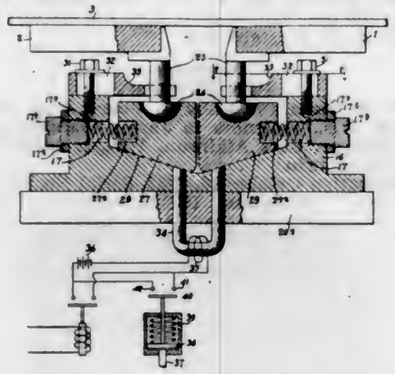
2,068,571
COVER FOR HEADRESTS
Irving E. Rotner, New York, N. Y.
Application November 30, 1935, Serial No. 52,309
5 Claims. (Cl. 155—176)



2. A cover for a sectional headrest the spaced sections of which are angularly disposed, said cover comprising an envelope having means to removably attach the same to said sections and further having an unobstructed interior constituting a single compartment for the reception of said sections, and a pad of superimposed and separable sheets carried by said envelope, said sheets and envelope being creased intermediate their ends so that the crease will be disposed coincident with the space between said sections when the cover is in position thereon.

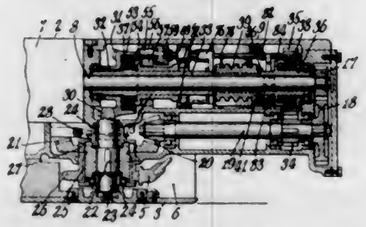
2,068,572
ARTICULATED CAR
Theodore H. Schoepf and David M. Ritchie, Cincinnati, Ohio, assigners to The Cincinnati Traction Building Co., Cincinnati, Ohio, a corporation of Ohio
Original application March 21, 1935, Serial No. 12,225. Divided and this application January 29, 1936, Serial No. 61,344
20 Claims. (Cl. 105—4)

4. In combination, car platforms having trunnions abutting one another, socket plate means for receiving said trunnions, means to support the socket plate means on a common truck, and



magnetic means for controlling the clearance between the trunnions and socket plate means.

2,068,573
MINING MACHINE
Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 8, 1933, Serial No. 669,952
22 Claims. (Cl. 262—30)

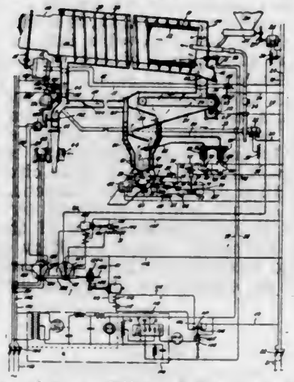


1. In a mining machine, kerf cutting mechanism including a kerf cutter driving element disposed on a vertical axis, motor operated gearing for driving said element, and feeding means for the machine including a low speed gear train and a high speed gear train, said high and low speed gear trains driven through said gearing, said low speed gear train including a driving element coaxial with said kerf cutter driving element, and said low speed gear train including a friction clutch, and means driven by an element of said low speed gearing as distinct from said high speed gearing for intermittently applying and releasing said clutch at timed intervals.

2,068,574
ROTARY KILN CONTROL ARRANGEMENT
Aubrey Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 12, 1934, Serial No. 757,167
12 Claims. (Cl. 263—32)

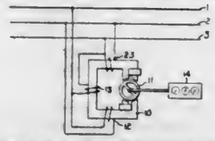
1. The combination of a rotary kiln for heating a material, a motor for driving the kiln at substantially constant speed, a stationary closed wind box surrounding the kiln, means including a motor for supplying fuel into the kiln, means including a motor compressor for forcing air through the wind box into the kiln to maintain

combustion, and means for automatically controlling the fuel and air supply means in response



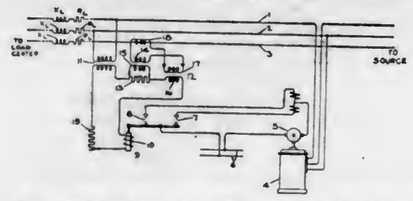
to changes of a condition of the material heated in the kiln at constant motor speed.

2,068,575
PHASE UNBALANCE METER
Georg Stark, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application October 17, 1934, Serial No. 748,641
In Germany February 28, 1934
6 Claims. (Cl. 172—245)



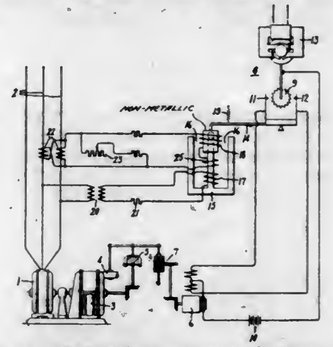
1. A voltage phase-unbalance responsive device comprising a magnetic core having a plurality of coils wound thereon, means for connecting said coils for energization from different voltage phases of a polyphase circuit without phase distortion such that no flux is produced in the core when said coils are energized from a balanced polyphase circuit and so that a resultant single-phase flux independent of the direction but proportional to the degree of voltage unbalance exists in the core when said coils are energized from an unbalanced polyphase circuit, an integrating register, and a single-phase motor operated in response to the resultant flux in said core for driving said register.

2,068,576
LINE DROP COMPENSATION
Zoltan O. St. Palley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 5, 1935, Serial No. 48,352
6 Claims. (Cl. 171—119)



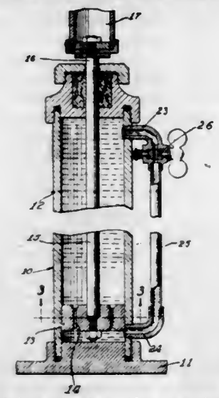
1. In combination, an alternating current circuit, an electro-responsive device connected to respond to the voltage of said circuit at a particular place, line drop compensating means for said electro-responsive device, said compensating means having a resistance element and a reactance element, and means for energizing said line drop compensating means from said circuit with a total operating current which is in quadrature at unity power factor with the voltage of said circuit to which said device responds, the values of the resistance and reactance elements of said compensation being proportional, respectively, to the reactance and the resistance of said circuit.

2,068,577
COMPENSATING CIRCUIT
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 20, 1935, Serial No. 50,667
7 Claims. (Cl. 175—335)



1. In an alternating current electromagnet, a pair of cooperating coils one of which induces an objectionable current in the other, and a compensating coil electrically connected to the coil in which the objectionable current is induced and relatively closely inductively coupled to the other of said coils, said compensating coil being so wound as substantially to eliminate said objectionable current.

2,068,578
EXERCISING DEVICE
Edwin Joseph Stronach, Chicago, Ill.
Application May 15, 1935, Serial No. 21,523
1 Claim. (Cl. 272—79)



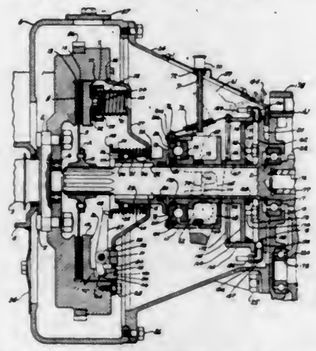
In an exercising device, the combination of: a supporting base; a cylinder mounted upon said

supporting base and adapted to contain a quantity of fluid or liquid; a piston slidable in the said cylinder and having openings extending axially therethrough for the passage of the said fluid or liquid; a piston rod attached to the said piston; a vertically extending shaft attached to the said piston rod; a handle attached to the said shaft; a by-pass arranged exteriorly of the said cylinder; said by-pass opening at its upper end into the area of said cylinder disposed above the said piston and opening at its lower end into the area of the said cylinder disposed below the said piston; and a valve in the said by-pass for regulating the flow of the said fluid or liquid therethrough from the lower area of said piston to the upper area of the same and from one side of the said piston to the other or vice versa; said valve being adjustable so as to vary the rate of flow of the said fluid or liquid therethrough and thereby regulate the resistance offered to the operator of the said device in forcing the said piston either upwardly or downwardly in the said cylinder against the said fluid or liquid.

2,068,579

CONTROL MECHANISM FOR CLUTCHES

John W. Tatter, Detroit, Mich., assignor of one-half to George B. Ingersoll, Dearborn, Mich.
Application February 27, 1932, Serial No. 595,474
10 Claims. (Cl. 192—83)



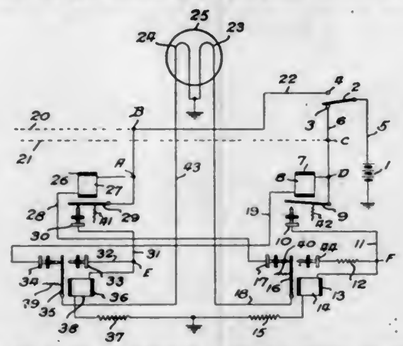
1. In a control mechanism for a clutch connected with a transmission, the combination of a member provided with a hydraulic cylinder, said member being mounted on the transmission, a piston supported by said member, said piston being movably operated by hydraulic liquid pressure in the hydraulic cylinder of said member, means movably mounted on said member, said means being provided with a bearing member for engaging the clutch, and means for manually moving said last mentioned means to operate said clutch, said first mentioned means being further adapted to be moved by said piston to operate said clutch.

2,068,580

AUTOMOBILE LIGHTING SYSTEM

Wesley Randolph Tomlin, Fort Collins, Colo.
Application December 10, 1934, Serial No. 756,826
11 Claims. (Cl. 171—97)

1. In an electric lighting system for automobiles, a headlight system consisting of one or more headlights, an electric lamp bulb for each of said headlights, said lamp bulb having two filaments, a source of current for said filaments, one end of each of said filaments being electrically connected to one pole of said current source, a main electric switch having two stationary contacts and a movable contact, said movable contact being electrically connected to the opposite pole of said current source, said movable contact being selectively movable into and out of engagement with either of said stationary contacts, a main circuit for each of said filaments, a secondary circuit associated with each of said main circuits, each of said main circuits and its associated secondary circuit being electrically connected to one of said stationary contacts of the main switch, each of said main circuits being completed thru its associated filament, and each secondary circuit being completed by electrical connection to the opposite pole of the current source; a normally closed auxiliary switch in each of said secondary circuits, said switch being opened by an electrically operated device actu-

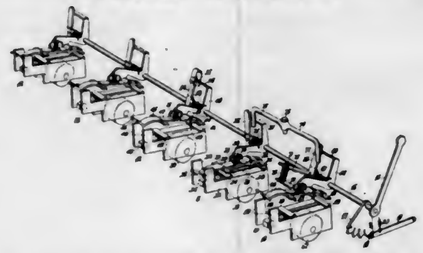


ated by an uninterrupted flow of electric current thru its associated main circuit, an auxiliary electric switch in each main circuit, said switch having a movable contact electrically connected to its associated filament and when in normal position closes said main circuit, said movable contact being actuated by means of an electrically operated device, said device being energized by an uninterrupted flow of electric current thru the secondary circuit associated with the opposite main circuit, said switch when actuated opens said main circuit thru its associated filament and by means of a stationary contact positioned for engagement with the movable contact of said switch when actuated electrically connects said movable contact to an energized auxiliary circuit of the secondary circuit associated with the opposite main circuit.

2,068,581

CIRCUIT CONTROLLER

John F. Tritle, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 11, 1935, Serial No. 53,934
7 Claims. (Cl. 175—375)



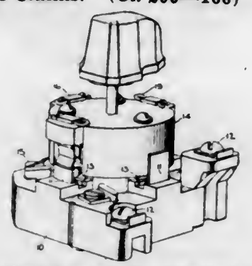
1. A circuit controller system comprising an operating member, a plurality of switch members

independently movable between open and closed circuit positions, means responsive to a predetermined movement of said operating member for operating one of said switch members to closed circuit position, means responsive to a predetermined further movement of said operating member for biasing another of said switch members toward its closed circuit position, interlocking means for preventing closure of said other switch member while said one switch member is in closed circuit position, means responsive to said further movement of said operating member for operating a third one of said switch members to closed circuit position, and means including said biasing means and said interlocking means for operating said one switch member to its open circuit position and said other switch member to its closed circuit position in response to closure of said third switch member.

2,068,582

ELECTRIC SWITCH

Fred G. von Hoorn, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 1, 1934, Serial No. 723,313
5 Claims. (Cl. 200—166)

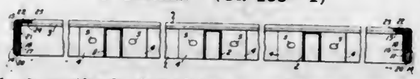


1. In an electric switch, stationary contacts spaced apart, a movable contact of U shape adapted to bridge said stationary contacts, and securing means connected to removably support said movable contact at the top of the U and permit transverse movement of the contact upon engagement with the stationary contacts.

2,068,583

SUPPORT AND METHOD OF MAKING THE SAME

Albert F. Westlund and Shirley D. Murphy, Indianapolis, Ind.
Application May 28, 1935, Serial No. 23,889
3 Claims. (Cl. 153—1)



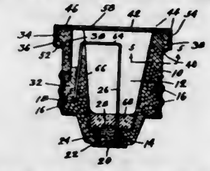
1. A method of making a composite corrosion resistant structural member comprising forming a strip of base metal, forming a strip of corrosion resistant metal, bending said corrosion resistant metal over said base metal with the free edges of said corrosion resistant metal on one side of the base material, bending one part of this composite structure to form an angled portion and bending the opposite part of the composite structure reversely along the remaining portion thereof with its edge substantially in engagement with the angled portion thereof, whereby to conceal the free edges of the corrosion resistant metal between the adjoining portions of the base metal and in the interior of the structural member thus formed.

3. A structural member for supports comprising a base portion of one metal, a cover portion of a corrosion resistant metal thereon, said base portion including two substantially parallel portions and the free edges of said cover portion being disposed between said parallel base portions and within the interior of said structural member, another portion of said base portion being connected to one of said substantially parallel base portions and extending across the edge of the other substantially parallel base portion.

2,068,584

ELECTRIC FUSE

Morris B. Wood, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application March 13, 1934, Serial No. 715,304
12 Claims. (Cl. 200—121)

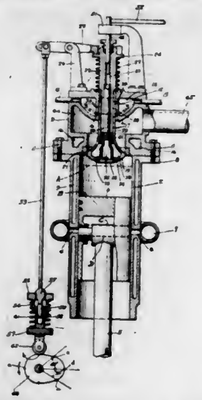


1. An electric fuse comprising an enclosing casing having a fuse link containing chamber provided with a transparent window, said chamber having a wall under said window that is of a highly light reflecting nature, and a fusible link having a portion interposed between said window and said wall and having in said portion a readily fusible part, said portion on opposite sides of said part having a heat-resistant highly light absorbent surface that confronts said window and traverses said light reflecting surface whereby the outline of the dark link is readily visible by contrast upon the light background.

2,068,585

INTERNAL COMBUSTION ENGINE

Allan R. Wurtele, New Roads, La.
Application December 24, 1931, Serial No. 582,988
13 Claims. (Cl. 123—32)



1. In an internal combustion engine, a power cylinder having a port, a valve for said port comprising an enlarged head and a tubular valve stem, a guide for said valve stem having fluid circulating passages therein a fuel injection nozzle in said stem, means for delivering a fuel to said nozzle, said valve head having a pre-combustion chamber therein adapted to receive fuel from said nozzle, said head also having a plurality of

angularly disposed ducts therein establishing communication between the precombustion chamber and the interior of the cylinder, and fluid circulating passages in said stem and head communicating with the fluid passages in said guide whereby the cooling fluid of the engine may be circulated therethrough.

2,068,586
CYCLIC CYANO COMPOUNDS AND PROCESS OF PRODUCING SAME

Karl Ziegler, Heidelberg, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany

No Drawing. Application August 8, 1933, Serial No. 684,233. In Germany August 15, 1932
8 Claims. (Cl. 260—99.30)

1. The method of producing cyclic alpha-cyanoketone compounds comprising acting on a nitrile having the formula—

$$N\equiv C-(CH_2)_n-C\equiv N$$

with a condensing agent of the type—

$$\left(\begin{matrix} R_1 \\ \diagdown \\ N \\ \diagup \\ R_2 \end{matrix}\right) M\alpha \qquad m-1$$

wherein R_1 and R_2 are members of the group consisting of alkyl, aralkyl, aryl, and alicyclic radicals, while M is a metal of the group constituted by the alkali, alkaline earth and earth metals and m denotes the valence of this metal n being 4 or a higher integer, while X is halogen or the radical—

$$\begin{matrix} R_1 \\ \diagdown \\ N \\ \diagup \\ R_2 \end{matrix}$$

3. The cyclic alpha cyanoketone compounds corresponding to the formula—

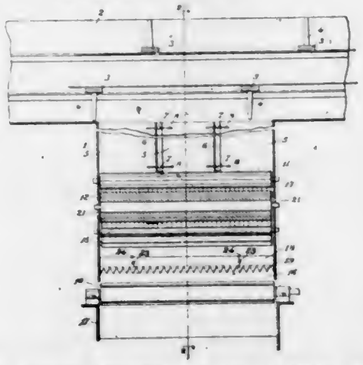
$$(CH_2)_n \begin{matrix} C=X \\ \diagup \\ \diagdown \\ CH-CN \end{matrix}$$

wherein X is=O or the =NH group, while n is 5 or a higher integer.

2,068,587
HOPPER FEEDER

Alfred P. Aldrich, Jr., Gilford, N. H.

Application May 22, 1934, Serial No. 726,998
15 Claims. (Cl. 19—67)

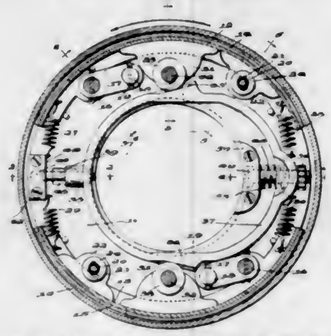


1. In hopper feeders, the combination with a distributor for lint and like fiber for directing the fiber across the hopper feeder, of a hopper coacting with said distributor, said hopper communicating with said distributor in positon to have lint or like fiber fed across the intake end of the hopper for delivery of such fiber thereto, and means dividing the hopper into a series of compartments for eliminating the propensity of the fiber in crossing the intake end of the hopper to non-uniformly pack or be compressed at one side of the hopper.

2,068,588
VEHICLE BRAKE

Lucian C. Algee, Orlando, and Walker E. Dickson, New Smyrna, Fla.

Application February 24, 1934, Serial No. 712,834
9 Claims. (Cl. 188—78)



1. In a brake, the combination with a movable part and a part adapted to rotate, of a pair of diametrically oppositely disposed brake shoes, a pivoted link for attaching one end of each shoe to the stationary part, means for loosely attaching the opposite end of each brake shoe to said stationary part, cam means engaging the intermediate portion of each brake shoe for forcing said brake shoes outwardly to engage the rotatable part and resilient means for normally maintaining said brake shoes in retracted position.

2,068,589
ANNULAR BALL BEARING

Robert Annen, Bienne, Switzerland, assignor to the firm Louis Müller & Cie. S. A., Fabrique d'horlogerie "La Champagne," Bienne, Switzerland

Application July 30, 1935, Serial No. 33,897
In Germany May 7, 1934
5 Claims. (Cl. 308—230)



1. In an annular ball bearing adapted to resist axial thrusts and in combination a plate having a hole as a seating, and cup-shaped lower race ring made of stamped sheet metal and provided with a cylindrical portion adapted to be pressed into said hole and with an adjoining cylindrical ring portion adapted to serve as a race, an upper funnel shaped race ring formed as a spring by means of its serrated edge and a spindle inserted with a neck into this upper race to be supported by the same.

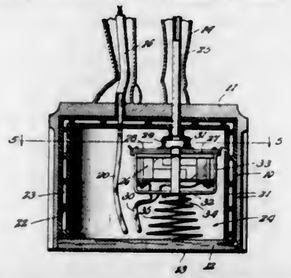
2,068,590
COMBINED STATUE, LAMP, AND LOUD-SPEAKER

Charles J. Applestam, Boston, Mass.

Application October 29, 1935, Serial No. 47,313
2 Claims. (Cl. 181—27)

1. A device of the character described including a base, a statue representing the human figure

mounted on the base, a sound-insulating lining fitting within the base and providing a sound-insulated chamber therein, a sound tube extending from said chamber to the mouth of the figure, a loudspeaker unit arranged in said chamber, a flexible coupling connecting said unit with said tube, whereby sound waves generated by said unit will

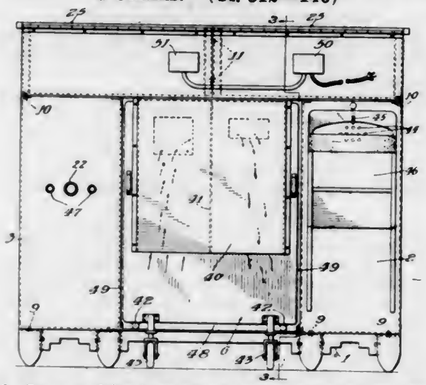


proceed from the mouth of the figure to create the illusion that the perceived sounds are originated by said figure, a cage embracing said unit, and a spring supporting the cage and pressing upwardly on said unit to maintain said coupling engaged with said unit and said tube, the spring and cage yieldably sustaining said unit and protecting said unit from shock and vibration.

2,068,591
KITCHENETTE CABINET

Edgar L. Bennett, Chicago, Ill.

Application May 18, 1934, Serial No. 726,194
4 Claims. (Cl. 312—146)



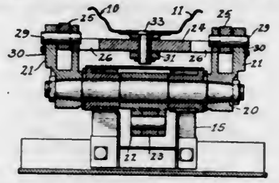
1. In a cabinet, a compartment open in front and back and having side, top and bottom members, and a self-contained, fully insulated refrigerator unit normally located in said compartment and having a door in register with the front edges of said opening and having storage space accessible through said door, said unit having a refrigerator mechanism chamber, one of said cabinet members normally obstructing access to said chamber, said unit being separately removable from said compartment rearwardly of said opening to permit access to said chamber.

2,068,592
SHAKER CONVEYER

Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application August 12, 1935, Serial No. 35,802
5 Claims. (Cl. 198—220)

1. In a shaker conveyer, a conveyer trough, drive mechanism adapted to impart a reciprocating conveying motion to said conveyer trough including a frame and a pair of parallel-spaced rocking members on said frame, and means for supporting said conveyer trough directly on and between said rocking members for driving said

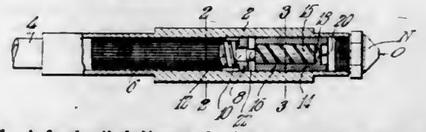


trough when in an aligned or misaligned position with respect to said drive mechanism comprising a yoke pivotally connected to said rocking members and a vertical pivotal connection from said yoke to said conveyer trough.

2,068,593
FUEL DELIVERING DEVICE

George H. Bork, Holyoke, Mass., assignor to Harvey-Whipple, Inc., Springfield, Mass., a corporation of Massachusetts

Application May 16, 1935, Serial No. 21,849
4 Claims. (Cl. 299—120)



1. A fuel-oil delivery device comprising in combination, an elongated body member having a longitudinal bore with the forward end part thereof internally threaded, a nozzle on the forward end of said body member having a discharge orifice, a swirl sleeve member threadedly engaging the internally threaded part of the bore of the body member whereby it may be moved towards and away from said nozzle and form therebetween a chamber of variable size, the said swirl sleeve being provided with an axial bore therethrough which has a restricted outlet at its forward end leading into said chamber, and a swirl member disposed within the bore of said sleeve and provided with a longitudinally-extending groove from end to end thereof which has a part at least that is angularly disposed relative to the longitudinal axis of the member whereby oil may pass between said swirl and sleeve members and through said outlet into said chamber and then out the orifice of the nozzle.

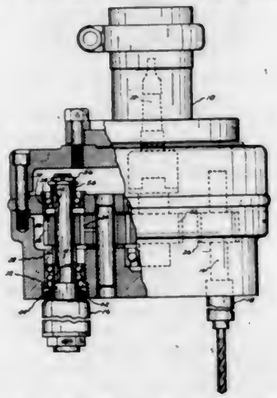
2,068,594
BEARING STRUCTURE FOR ROTATABLE SPINDLES AND THE LIKE

Joseph F. Buhr, Ann Arbor, Mich., assignor to Buhr Machine Tool Company, Ann Arbor, Mich.

Application June 13, 1934, Serial No. 730,431
4 Claims. (Cl. 77—22)

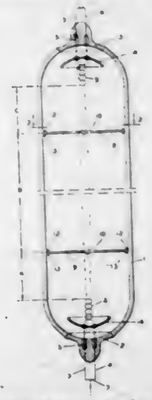
4. In combination, a machine tool head axially fed during operation, a rotatable tool carrying spindle axially disposed in said head, the lower portion of said spindle extending below said head to receive an axially fed tool and the upper and intermediate portions of said spindle being housed in said head, axially spaced aligned upper and lower bore portions defined in said head, upper and lower outer ball bearing races aligned and supported in said bore portions, upper and lower inner ball bearing races, balls aligning said inner

races in said outer races, the upper and intermediate portion of said spindle being carried within said inner races, said lower inner race and spindle being relatively fixed with respect to axial movement, said upper inner race and spindle being capable of relative axial movement, resiliently applied means acting through said spindle to preload the bearing structure, said



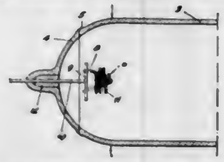
means being of a design capable of preloading said lower bearing through its range of relatively large deflections per increment of axial load as distinguished from merely taking up of end play and wear of bearing structure, said means retaining said spindle and bearing structure in assembled relation, and obviating run out of said inner races.

2,068,595
GASEOUS OR VAPOR ARC DISCHARGE LAMP
Laurence Burns, Revere, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application July 31, 1935, Serial No. 34,006
9 Claims. (Cl. 176—122)



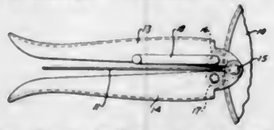
1. In an electric lamp of the high pressure arc discharge type the combination of an enclosing envelope, containing a metallic vapor, a pair of refractory metal electrodes mounted at the ends of said envelope, a plurality of baffle members within the envelope and disposed between the electrodes at least one of said baffle members being of quartz, said baffle members having aligned central openings through which the arc column passes the diameter of said openings being at least one and one-half times the diameter of the arc column, said baffles having portions to guide the cooler portions of the vapor streams for the purpose of maintaining the arc stable.

2,068,596
VAPOR DISCHARGE DEVICE
James L. Cox, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application December 20, 1934, Serial No. 758,405
2 Claims. (Cl. 176—126)



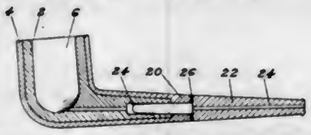
1. A high pressure vapor arc lamp comprising an enclosing envelope of high melting point glass, said envelope being in the form of a tubular body portion terminating at each end in a substantially hemispherical portion, said hemispherical portion containing a bead of borosilicate glass, a lead-in wire sealed through said bead, a very small section of glass softer than that of the main body of the envelope, said softer glass section forming a closure member between said bead and said envelope, said lead-in wire carrying an electrode positioned materially in advance of the softer glass section, said electrode comprising a coiled tungsten wire.

2,068,597
DEVICE FOR OPENING CANS
Harry L. Dazey, Clayton, Mo., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application March 27, 1935, Serial No. 13,213
9 Claims. (Cl. 220—52)



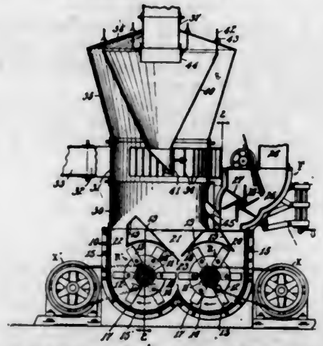
4. A device for opening a container having a rip-strip for opening the same, including support means for engaging a container, a pair of rollers on the support to engage the rip-strip, means to force the rollers together to engage the rip strip between them, and means to rotate at least one of the rollers whereby to remove the rip-strip.

2,068,598
SMOKING PIPE OR SIMILAR ARTICLE
Finley F. Ellingwood, Metuchen, N. J., and Alexander S. Zimmerman, Pelham Manor, and Samuel Frey, Brooklyn, N. Y., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware
Application December 1, 1934, Serial No. 755,524
9 Claims. (Cl. 131—12)



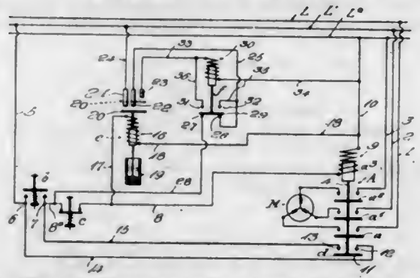
1. A smoking article comprising a wooden receptacle element for tobacco and a stem element and a covering of substantially thick resin molded on at least one of said elements.

2,068,599
HAMMER MILL
William J. Ehrsam, Enterprise, Kans., assignor to The J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kans., a corporation of Kansas
Application August 9, 1933, Serial No. 684,353
8 Claims. (Cl. 83—11)



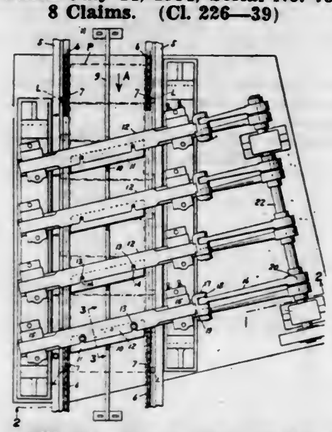
1. In a hammer mill, a receiving rotor and a discharging rotor each having a circumferential series of radiating hammers, means for rotatably supporting said rotors upon laterally spaced axes with the paths of travel of the ends of said hammers approximating tangency, an enclosing casing for said rotors formed to provide two substantially cylindrical chambers, the axes of said chambers being parallel and being spaced apart a distance less than the sum of the radii of said chambers but greater than one-half such sum, said casing having a down flow feed inlet outside the vertical axial plane of the receiving rotor, an upflow discharge passage outside the vertical axial plane of the discharging rotor, and means for sealing said inlet against substantial air flow into the region of said hammers.

2,068,600
MEANS FOR AUTOMATICALLY RESTARTING ELECTRIC MOTORS
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application October 9, 1934, Serial No. 747,596
10 Claims. (Cl. 175—294)



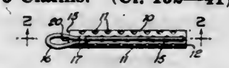
1. The combination with a current supply circuit, an electric motor, a normally open main switch for connecting the motor to the supply circuit, a magnet for closing said switch, a main energizing circuit for the magnet including a normally open start switch, a main holding circuit for the magnet in shunt to the start switch and a switch for the latter circuit controlled by the magnet to open and close with the main switch, of a normally open auxiliary holding circuit for the magnet in shunt to the holding circuit switch and start switch, and means for closing said auxiliary circuit upon failure of voltage in the supply circuit and for opening said auxiliary circuit in a pre-determined time after it has been closed, provided the voltage does not return to normal during said predetermined time.

2,068,601
OSCILLATING WIPING MACHINE
Charles D. Galloway, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application July 14, 1934, Serial No. 735,114
8 Claims. (Cl. 226—39)



1. An oscillating wiping machine for storage battery plates comprising, conveying means for moving a plurality of storage battery plates, a wiper blade separated from said conveying means so that oscillations of said wiper blade are not transmitted to said conveying means, said wiper blade being adapted to contact with the surface of the plates, and mechanism for reciprocating said wiping blade transversely of the travel of the plates on said conveying means.

2,068,602
HAIR CURLER
Abraham Goodman, Brooklyn, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application August 15, 1933, Serial No. 685,172
3 Claims. (Cl. 132—41)



1. A hair curler comprising a tubular member around which hair may be wound, an elastic clamping member secured to one end of the tubular member and stretchable lengthwise of the tubular member over the hair wound thereon, fastening means at the free end of the clamping member for detachably fastening said end to the opposite end of the tubular member, and a finger grip piece carried at the free end of the clamping member and extending outwardly beyond the fastening means.

2,068,603
BOOKBINDING
Allen L. Grammer, Meadowbrook, Pa., assignor to Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 19, 1935, Serial No. 55,231
3 Claims. (Cl. 281—21)

1. A book having a cover and a flat back and nested folded leaves and a series of depressions extending from the outside of the back inward

and stopping short of the inside center fold, and



having an adhesive uniting the cover and entering the depressions.

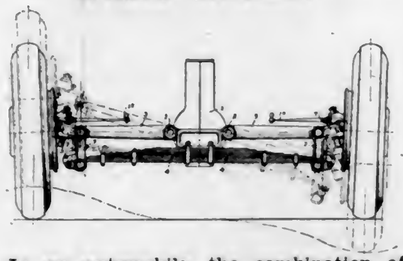
2,068,604

INDEPENDENTLY ACTING WHEEL SUSPENSION FOR AUTOMOBILES

Stephen Jencick, Chagrin Falls, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation

Application July 19, 1934, Serial No. 736,050

10 Claims. (Cl. 267—19)



1. In an automobile, the combination of a chassis including a pair of oppositely and laterally disposed arms with adjustable connections therefor permitting individual pivotal movement of the arms in a vertical plane, means for mounting a wheel upon the end of each arm, spring means mounted upon the chassis and being effective at points beneath the wheel mountings, and individually adjustable parallelogram connections between each wheel mounting and the corresponding arm and spring means.

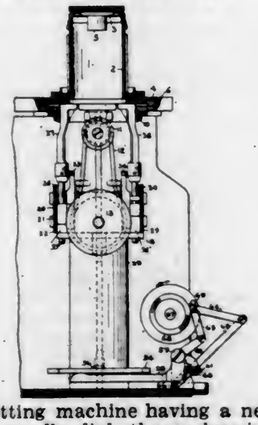
2,068,605

TAKE-UP MECHANISM FOR KNITTING MACHINES

Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application November 19, 1931, Serial No. 576,120

8 Claims. (Cl. 66—150)



6. In a knitting machine having a needle cylinder and a needle dial, the under-side of the dial having a depending hub, in combination with means including a ring cooperating with the hub for holding the fabric taut adjacent to the under-side of the dial and thereafter tensioning the fabric.

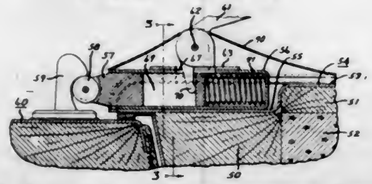
2,068,606

DOOR AND LATCH CONSTRUCTION

Hal W. McPherson, Cincinnati, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Original application October 31, 1931, Serial No. 572,421. Patent No. 2,001,740, dated May 21, 1935. Divided and this application March 21, 1935, Serial No. 12,229

2 Claims. (Cl. 20—35)



1. A door and a latch construction therefor, said door having a sheet metal outer face, said sheet metal outer face having a portion thereof depressed into the body of the door and forming a recess in the face of the door, said latch construction being secured to said door and fitting over the outer metallic face thereof, and said latch construction including mechanism having a portion thereof in said recess to reduce the distance of projection of the latch from the door.

2,068,607

STABILIZED ALKYL HALIDE AND PROCESS OF STABILIZATION

John F. Olin, Philadelphia, Pa., assignor to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application October 13, 1934, Serial No. 748,196

8 Claims. (Cl. 23—250)

8. A composition of matter comprising a chloride of the group consisting of butyl, amyl, hexyl and heptyl chlorides stabilized by the addition thereto of over 10% of an olefin of the group consisting of butylene, amylene, hexylene and heptylene and purified by treatment with activated carbon.

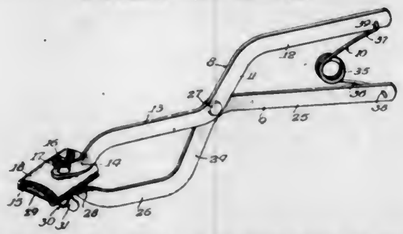
2,068,608

SHOE CLAMPING DEVICE

Joseph Pavoni, Chicago, Ill., assignor to Splendora Pavoni, Chicago, Ill.

Application October 31, 1935, Serial No. 47,553

3 Claims. (Cl. 12—103)



1. As a new article of manufacture, a clamp adapted for use in applying patches to shoes and comprising a clamping member formed of a strip

of metal and embodying a straight handle part with a notch in the inner edge of the outer extremity thereof, an offset straight jaw part parallel to the handle part and an obliquely extending intermediate part between the handle and jaw parts; a complemental clamping member of strip metal embodying a straight handle part with a hole in the outer extremity thereof, an offset straight jaw part parallel to the handle part and an obliquely extending intermediate part between the last mentioned handle and jaw parts, and arranged with the juncture of its intermediate and handle parts in lapped relation with the juncture of the intermediate and jaw parts of said first mentioned member and so that when it is in a closed position with respect to said first mentioned member its handle and intermediate parts are substantially longitudinally aligned respectively with the jaw and intermediate parts of said first mentioned member; a pivot element extending through the aforesaid junctures and serving to connect the clamping members so that upon inward movement of the handle parts the jaw parts move away from one another and said coacting member swings out of its aforesaid closed position; and a coil spring arranged to urge the handle parts of the members apart so as to cause the jaw parts to move toward one another into clamped relation and having straight ends arranged in V-formation and having the outer ends thereof bent at right angles and disposed respectively in the notch and hole.

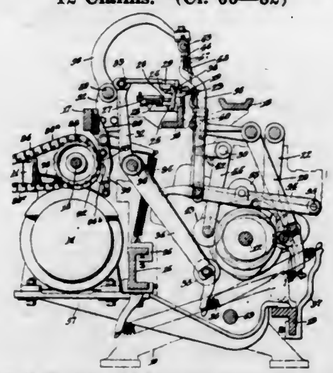
2,068,609

MEANS FOR AUTOMATICALLY CONTROLLING THE DRIVING MECHANISM OF STRAIGHT KNITTING MACHINES

Max Richter, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application March 9, 1935, Serial No. 10,171

12 Claims. (Cl. 66—82)



1. A full-fashioned knitting machine including a variable-speed drive mechanism, control means therefor, a cam shaft for operation by the drive mechanism, means responsive to axial shifting of the cam shaft for affecting the speed of the drive mechanism, means for governing the operation of said speed affecting means, and pattern means for simultaneously operating said control and said governing means.

2,068,610

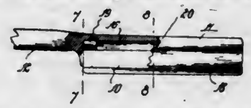
RAZOR

Edgar O. Robbins, Haynesville, La., assignor of one-half to Lee T. Waller, Haynesville, La.

Application January 11, 1934, Serial No. 706,274

2 Claims. (Cl. 30—101)

2. A razor blade having spaced apart short ribs at the ends and center of the back edge thereof opposite the cutting edge for attachment of the blade to a blade holder, the ribs at the ends of the blade being circular in cross section



and the rib at the center being substantially semi-circular in cross section, whereby the ribs being spaced apart and including a semi-circular rib at the center provide for the resiliency of said blade when attached to a blade holder.

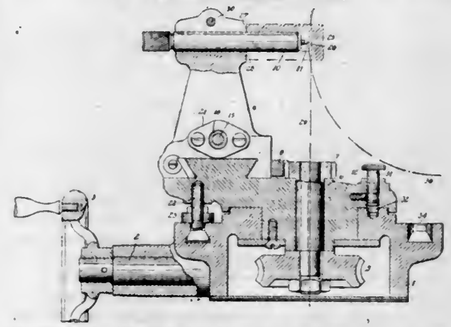
2,068,611

TOOL FORMING ATTACHMENT

Ernst Birger Schüberg and Nils Johan Ludvig Sandström, Goteborg, Sweden, assignors to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application August 19, 1936, Serial No. 96,858

8 Claims. (Cl. 125—11)



1. The combination with a rotary table, of a slide mounted thereon and means for guiding its movement, in both directions, at right angles to a radius line of the table; of a tool dressing member carried by the slide; spring means tending to move the slide to a neutral position in respect of the said radius line; there being a rack bar formed on the slide, a pinion concentric with the axis of the table and meshing with the said rack bar; means for rotating the pinion; and means for limiting the rotation of the table in each direction.

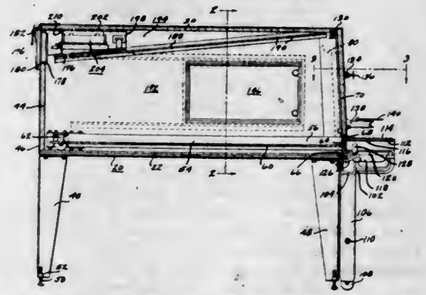
2,068,612

METHOD OF AND APPARATUS FOR CREATING AN ARTIFICIAL FEVER

Edwin C. Sittler, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application April 30, 1936, Serial No. 77,250

8 Claims. (Cl. 4—163)



1. A body treating cabinet including walls forming an enclosure for enclosing and support-

ing a body, a baffle extending laterally across the enclosure dividing said enclosure into a lower body compartment and an upper compartment directly above the body compartment, said upper compartment containing an air treating unit, said air treating unit including means for circulating air through the body compartment and the upper compartment and means for changing the temperature and the amount of vapor in the air.

2,068,613
LOCK NUT
Albert Stoll, Detroit, Mich., assignor to Clare L. Brackett, Detroit, Mich.
Application July 8, 1935, Serial No. 30,360
5 Claims. (Cl. 151—21)



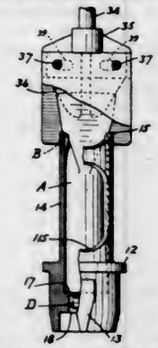
1. In a nut, a hexagonal body having a plurality of external flat faces and corner portions at the meeting points of said faces, said body also being formed with a threaded bore and with a crown, the body of the nut being formed with radial slots opening through the bore and crown of the nut and through the flat external faces of the body at points uniformly spaced between the said corner portions to define an annular series of segmental locking members for pressure and threaded engagement with a complemental threaded member, said locking members being formed at the base portions thereof and at the said corner portions with circumferentially extending grooves diminishing in depth toward the ends thereof and terminating short of the said slots to add to the resiliency of said locking members, said locking members being directed inward at an acute angle to the longitudinal axis of the bore thereby constricting the bore at this point and causing the complemental threaded member to load the locking members as an incident to the advance of the nut.

2,068,614
GAS ODORANT MIXTURE
Charles A. Thomas, Wayne, and Wilhelm Schmidt-Nickels, Philadelphia, Pa., assignors to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 16, 1932, Serial No. 642,939
7 Claims. (Cl. 48—195)

6. A gas odorizing mixture comprising essentially a mercaptan, which upon exposure to light tends to corrode metal, a dye that will prevent at least a substantial proportion of the light which causes the corrosion from penetrating the mixture and a small proportion of a stabilizing material consisting of alkylnitrosoamine, the alkyl radicals of which contain not more than five carbon atoms.

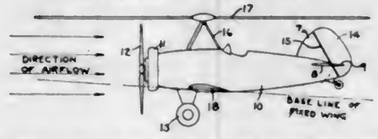
2,068,615
TUBE CLOSING MACHINE
Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 21, 1933, Serial No. 676,911
15 Claims. (Cl. 113—1)

1. In a collapsible-tube-closing machine, a preformer having sloping edges forming a downwardly extending point arranged to enter and stretch the open end of a collapsible tube into elongated shape in cross-section, a tube-cup having an annular portion closely surrounding the walls of said tube adjacent the open end of said tube, said annular portion having high parts un-



derlying the sloping edges of said preformer and low parts intermediate said high parts, and means for reciprocating said preformer and said tube-cup relative to each other so as to engage said collapsible tube between said preformer and said tube-cup.

2,068,616
AIRCRAFT
Edward Burke Wilford, Merion, Pa.,
Application July 17, 1933, Serial No. 680,694
10 Claims. (Cl. 244—18)

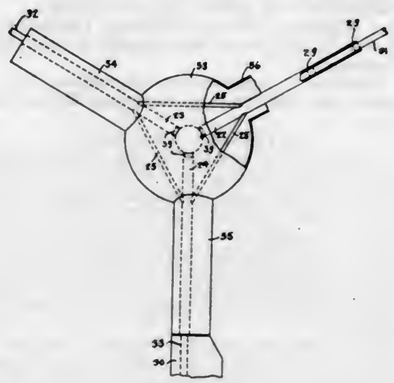


1. In aircraft, a stationary wing system, a normally aerodynamically driven rotor of a substantially fixed coning angle in which part at least of the thrust load is carried by moments in the spars and in which the revolutionary speed varies as the load carried thereby relative to that of said fixed wing, the stationary wing system so set that the no-lift line thereof is angularly rearwardly divergent from the substantial plane of said rotor, the whole so constructed and arranged that when the craft is flown in its higher speed range a considerable portion of its load is carried on the fixed wing system and the rotor is at such an angle that the autorotative speed and hence the rotor drag is materially and safely reduced, and whereby efficient high speed flight is enhanced.

2,068,617
GYROPLANE
Edward Burke Wilford, Merion, and Elliot Daland, Philadelphia, Pa.; said Daland assignor to said Wilford
Application February 7, 1934, Serial No. 710,062
7 Claims. (Cl. 244—18)

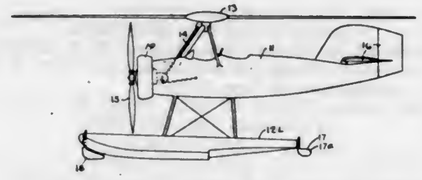
1. In a rotary wing system, a hub, shafts journalled in the hub, normally aerodynamically driven blades mounted on the shafts, fairing larger than the hub covering the inner and less important parts of the rotary wing system so that the unimportant part of the lift derived from slowly rotating parts is not equalized, feathering blades extending beyond the fairing and arranged

normally to be aerodynamically rotated, means synchronously coupling the feathering blades so



that the outer and more important parts of the rotary wing system has substantially equalized lift.

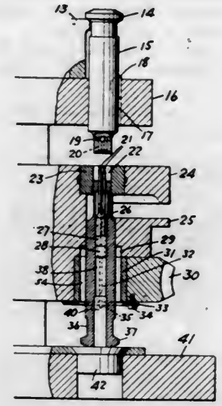
2,068,618
SEA GYROPLANE
Edward Burke Wilford, Merion, Pa.
Application March 19, 1935, Serial No. 11,751
5 Claims. (Cl. 244—18)



1. In aircraft, a body having a longitudinal axis, propeller means, water contact supporting means operatively mounted on the body, a normally aerodynamically driven rotary wing system operatively associated with the body and having a substantially vertical axis of rotation passing substantially through said longitudinal axis, rotor starting means, fore and aft rudders disposed respectively in front and rear of said vertical axis and effective laterally of the longitudinal axis to develop a torque reaction about said vertical axis through contact with the water, said reacting means comprised of elements effective both in front and rear of said vertical axis to develop a reacting couple about said vertical axis to develop appreciable torque at a low speed and substantially without lateral displacement.

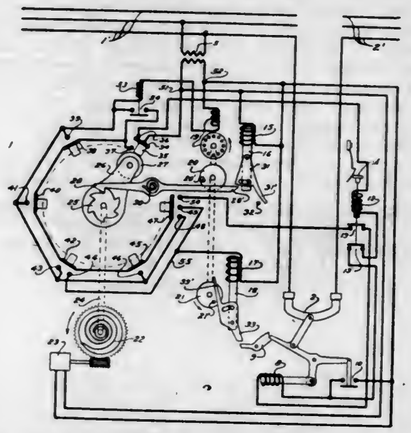
2,068,619
TABLET-MAKING MACHINE
Lawrence H. Bailey, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 13, 1935, Serial No. 40,388
7 Claims. (Cl. 107—17)

1. In a rotary tablet-compressing machine, the combination comprising, a rotating head, an upper punch, a key holding said upper punch against rotation relative to said head, a lower punch, said punches being mounted in said head for cooperating axial movement relative to each other, a bushing supporting said lower punch in said head,



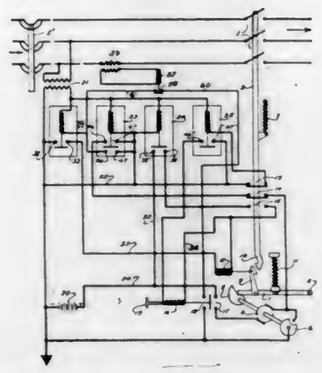
and a second key holding said lower punch against rotation relative to said bushing.

2,068,620
ELECTRICAL TRANSMISSION SYSTEM
Samuel J. Spurgeon, Birmingham, Ala.
Application December 16, 1935, Serial No. 54,791
15 Claims. (Cl. 175—294)



1. In an electrical transmission system, in combination, a line supplied with power current, a circuit breaker for the line operable to open automatically responsive to fault conditions on the line and to reclose on a predetermined time schedule, a multiplicity of line switches subdividing the line, automatic means to open the said line switches simultaneously, but only when a predetermined number of successive energizations and de-energizations have occurred in the main line, and automatic means then operable to reclose the line switches successively, together with automatic means to re-open and lock in open position, selectively, a single one of the said line switches, all of the said automatic means being coordinated only by the opening and reclosing of the breaker and of the line switches and the resultant changes in the conditions of power current in the said line.

2,068,621
CIRCUIT BREAKER CONTROL
George N. Lemmon, Homewood, Ala., assignor to Southern States Equipment Company, Birmingham, Ala., a corporation
Application July 15, 1933, Serial No. 680,593
15 Claims. (Cl. 175—294)



1. A system of electrical circuit breaker control which comprises a source of supply, a main circuit for the distribution of power, a main circuit-breaker connected to the source and controlling the flow of current from the source to the main circuit, a line circuit-breaker in the main circuit and remote from the said main circuit-breaker, and automatic control equipment which includes devices which are operable to cause a primary opening of the line circuit-breaker if and only when the main circuit has remained de-energized for at least a predetermined time, and then been re-energized momentarily and then been de-energized again, all within a predetermined interval.

2,068,622
METHOD OF MAKING DOUBLE CUT FILES
Hubert Ufer, Berlin, Germany
Application July 5, 1935, Serial No. 29,950
In Germany July 6, 1934
1 Claim. (Cl. 76—24)



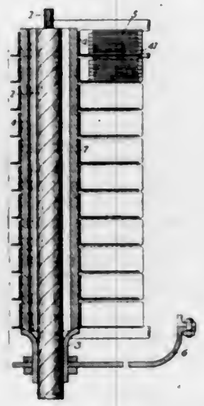
A method for producing files cut with double cut and a depth ratio between the lower cut and upper cut of at least 1:3, consisting in overcutting as far as possible the breast for the lower cut in front of the upper end in the cutting direction, in preserving a shallower depth and smaller pitch for the lower cut as compared with the upper cut, in completely removing the thrown up uneven material by smoothing to form narrow flat strips between the successive cuts and in subsequently forming the upper cut so that the breast of the upper cut teeth is at right angles to the surface of the file and extends towards the bottom of the tooth gap first straight and then bulged or bulged over its entire length.

2,068,623
COLORED COMPOUND DERIVED FROM YELLOW OXIDATION FERMENT AND METHOD OF PRODUCING SAME
Otto Warburg, Berlin-Dahlem, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application December 13, 1933, Serial No. 702,200. In Germany December 15, 1932
33 Claims. (Cl. 260—9)

1. A method of producing the yellow oxidation ferment from animal or vegetable cell matter which contains said ferment which comprises adding to an aqueous solution of said oxidation ferment obtained from said cell matter and containing said ferment and accompanying substances, a solvent for said ferment, maintaining a temperature sufficiently low to avoid splitting of said ferment into the protein and colored components.

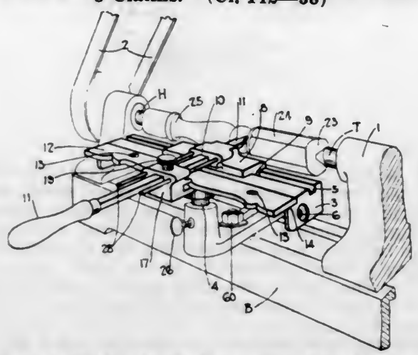
32. The yellow oxidation ferment obtained from animal or vegetable cell matter, said ferment consisting of a high molecular weight protein component and a low molecular weight colored component and being very readily split up into these components by a treatment with agents capable of denaturing proteins, the oxygen transferring capacity of solutions of said ferment not being diminished or hindered by hydrocyanic acid or carbon monoxide, the aqueous solution of the same exhibiting an absorption spectrum of three bands, the visible bands of said spectrum being at 465 μ and 495 μ.

2,068,624
HIGH VOLTAGE BUSHING
Ralph W. Atkinson, Perth Amboy, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application March 12, 1928, Serial No. 261,091
14 Claims. (Cl. 173—268)



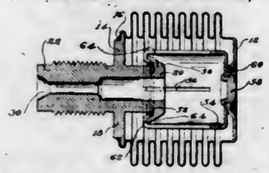
1. A unit adapted to be applied with another like unit in longitudinal succession externally upon and surrounding an insulated conductor and to constitute with such other like unit protection against breakdown along the surface of the conductor insulation, such unit including a tube of conducting material, a second tube of conducting material of greater diameter than the first tube, said tubes being co-axially arranged, a condenser mounted between said tubes, the terminals of said condenser being connected to said tubes.

2,068,625
SHAPING DEVICE
Lester A. Burton, Fanwood, N. J., assignor to Robert B. Ogden, Cranford, N. J.
Application April 9, 1935, Serial No. 15,372
3 Claims. (Cl. 142—38)



1. In a lathe having a tool rest with a templet secured thereto, said templet having a predetermined outline, an attachment for facilitating the shaping of duplicate turnings, said attachment including a stirrup slidably mounted on the tool rest, a cutting device, a gauge member slidably mounted on the templet, both said stirrup and said gauge member being adapted to receive the cutting device, and an instrumentality slidably connecting the gauge member to the stirrup for supporting the gauge member and for insuring synchronous lateral movement of the stirrup and gauge member while permitting independent outward movement of the gauge member in accordance with the outline of the templet.

2,068,626
THERMOSTATIC UNIT
Walter B. Clifford, Boston, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
Application December 14, 1931, Serial No. 580,750
Renewed June 23, 1936
6 Claims. (Cl. 297—8)



2. A thermostatic unit comprising a metallic bellows having thermostatic fluid sealed therein, and an expansion stop assembled completely interiorly of the bellows and comprising hooked members having capacity for lateral movement to permit initial engagement and to thereafter limit expansive movement of the bellows.

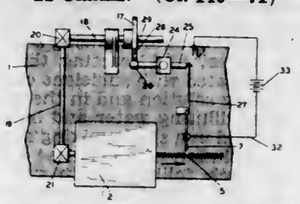
2,068,627
FASTENER SLIDER
John H. Kohler, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application December 13, 1934, Serial No. 757,338
7 Claims. (Cl. 24—205)

6. A slider of the class described comprising a part shaped to provide a pair of spaced-apart wings, a connecting portion securing said wings together at one end of the slider and a stiffening means formed of a separate piece of material



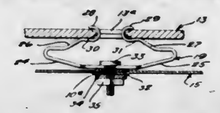
from said connecting portion located entirely within the first-mentioned part.

2,068,628
APPARATUS FOR TRIMMING GRID ELECTRODES
Harold P. Kronenwetter and Earl E. Moore, Emporium, Pa., assignors to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application June 12, 1935, Serial No. 26,235
11 Claims. (Cl. 140—71)



1. In a machine for trimming cage-like grid electrodes of the type having a metal side-rod and a fine wire wound therearound, a wire severing electrode, means to feed a wound grid-strip past said electrode and to rotate said grid strip in front of said electrode, means for moving said electrode into severing relation with said grid-strip; and means for operating said severing means and said feeding and rotating means in timed relation to each other.

2,068,629
MUSICAL SIGNALING APPARATUS
Christian Miller, New York, N. Y., assignor to Edwards and Company, Inc., a corporation of New York
Application October 24, 1935, Serial No. 46,491
8 Claims. (Cl. 116—149)



1. In an apparatus for audible signaling and having a striker, the combination therewith of a vibratable sounding element, a support therefor, said element having aperture means therein, two cantilever spring arms having one end of each hook-shaped, and means for anchoring the other ends of said arms to said support to insure cantilever action of said arms, said hook-shaped ends engaging said element through said aperture means and the springiness of said cantilever arms about the said anchoring means tending to force and hold said hook-shaped ends in engagement with said aperture means.

2,068,630
MANUFACTURE OF TRANSPARENT FILMS
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application May 2, 1934, Serial No. 723,507
11 Claims. (Cl. 106—40)

1. A cast, substantially transparent, cellulose

base film containing distributed therethrough a minor proportion of mechanically gelatinized cellulose pulp of the glassine-paper-forming variety that does not detract appreciably from the transparency of such film while appreciably increasing the tear resistance of such film.

2,068,631

PREPARATION OF CELLULOSE XANTHATE SOLUTIONS

George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application August 28, 1935, Serial No. 38,261
8 Claims. (Cl. 260—100)

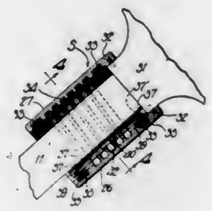
1. A process which comprises purifying cellulose fiber in a caustic soda solution of mercerizing activity, washing the fiber substantially free from such solution, retreating the washed fiber with a caustic soda solution of mercerizing activity, adding diluting water, and reacting the retreated fiber while associated with sufficient caustic soda of said retreating solution and in the presence of sufficient added diluting water and liquid carbon bisulphide to yield in a single mixing step a cellulose xanthate solution of a cellulose and caustic soda content each falling within the range of about 6% to 10%, based on the weight of the xanthate solution.

2,068,632

DIRECTION INDICATOR SWITCH

Amos B. Stites, Plainfield, N. J.

Application January 28, 1936, Serial No. 61,129
2 Claims. (Cl. 200—59)



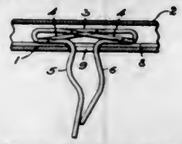
1. In an electric switch, a fixed channel guide, a pair of resilient spring contacts disposed in longitudinal alinement with their inner ends terminating in spaced relation and fixed to the bottom of said channel guide, a pair of offset contacts respectively disposed in opposite sides of said channel guide, a block member of di-electric material slidably mounted in said channel guide for sliding contact with said resilient spring contacts and normally disposed at the inner fixed ends thereof, a pin extending from said block member, a pair of spaced L-shaped bridge contacts on opposite sides of said block member to maintain a normal bridging of said spring contacts and the respective fixed contacts, fixed contacts at the ends of said channel guide with which the free ends of the spring contacts are adapted to engage, a cylindrical casing fixedly secured to a part to be turned, and a spiral groove provided on the inside of said casing into which said pin extends, whereby turning of said casing will cause said block member to engagingly depress either of said spring contacts to cause the free ends thereof to respectively contact with the fixed contacts at the ends of the guide channel.

2,068,633

SNAP FASTENER

Preston Upham, Brookline, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 22, 1934, Serial No. 726,974
5 Claims. (Cl. 24—213)



2. A snap fastener stud of the class described formed from a single piece of sheet metal and having a base portion, a pair of yieldable socket-engaging portions connected to and extending from beneath said base portion and an elongated spring portion connected to the base, on each side of the socket engaging portion, said spring portions being integral with the base portion and connected thereto at one end so as to lie within the marginal dimensions of the base, said spring portions being inclined relative to the plane of the base for the purpose described.

2,068,634

REACTION PRODUCT AND PROCESS

Herman Alexander Bruson and Lloyd W. Covert, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application October 27, 1934, Serial No. 750,278
9 Claims. (Cl. 260—2)

7. A process of preparing a resin or balsam-like material which comprises heating a perhydro derivative of a diarylol methane compound with an organic monocarboxylic acid.

2,068,635

ENGINE FUEL

Carl F. Prutton, Cleveland, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application December 29, 1932, Serial No. 649,329
12 Claims. (Cl. 44—9)

1. The method of forming a liquid motor fuel which comprises adding thereto a small quantity of a lubricating composition containing high boiling hydrocarbons in amounts greater than any normally present in the fuel, said lubricating composition likewise containing an effective amount less than 20% of a halogenated carbon ring compound of the type in which substantially all of the halogen present is attached to the ring structure.

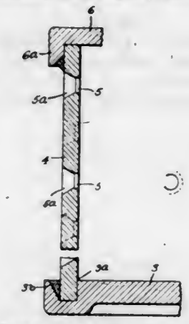
2,068,636

PERFORATED BASKET FOR CENTRIFUGAL MACHINES

Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a corporation of Utah

Application December 14, 1934, Serial No. 757,518
4 Claims. (Cl. 210—76)

1. A centrifugal basket for the separation of grain-like materials such as sugar from syrup-like liquid in which it is suspended, comprising a circumferential cylindrical wall presenting a smooth interior supporting surface permitting free flow of the liquid relative to the basket in seeking outlets through the basket wall and constituting a support for filter lining elements and spaced outlet holes for the centrifugal discharge of the liquid, said outlet holes having substantially straight bore inner portions opening into the interior supporting surface and outer portions substantially enlarged, whereby to provide



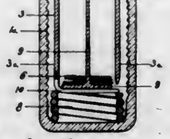
straight bore passages of substantially less axial length than the thickness of the basket wall through which they pass, thus permitting the use of a relatively thick basket wall while avoiding accumulation of clogging material on the interior surface of the basket wall and in said outlet passages.

2,068,637

FIREARM CLEANING ACCESSORY

Samuel W. Barnes, Jackson, Mich.

Application May 2, 1935, Serial No. 19,338
5 Claims. (Cl. 206—56)



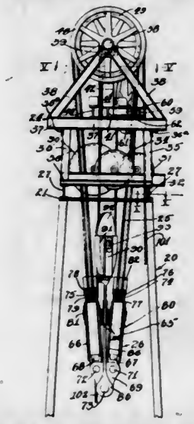
1. A container for the purposes specified, comprising a jar-like receptacle closed liquid tight at the bottom and open at the top, the outside wall of the receptacle adjacent to its top being threaded to receive a threaded cover, a detachable cover having a downwardly turned rim threaded on the inner wall thereof, a gasket disposed intermediate the top of the receptacle and the cover, adapted to hermetically seal the container; a carrier arranged within the receptacle adapted to be raised and lowered to any desired level in the container, having a resiliently compressible base frictionally engaging the walls of the receptacle, having side arms connected at their tops by a slotted crossbar adapted to carry gun cleaning patches, and a crossbar member notched at either end, slidably disposed crosswise between the carrier sidearms, substantially as described.

2,068,638

COMBINED CROWN AND TRAVELING BLOCK

Harry T. Nichols, San Antonio, Tex.

Application August 24, 1927, Serial No. 215,059
40 Claims. (Cl. 254—190)



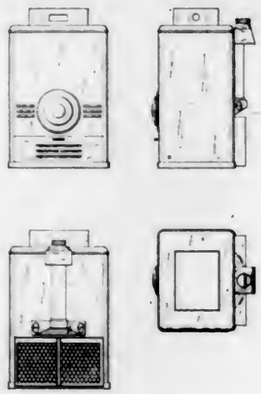
1. In combination with a hoisting line, a crown block structure having a plurality of rotatably mounted multiple ply rope hoisting sheave members and a traveling block structure embodying sheaves pivotally mounted so that they may swing to maintain their grooves in parallelism with the plies of the hoisting line.

18. In a crown block for use on a derrick, a plurality of spaced parallel sheaves, and cross-over sheaves having their axes positioned between said parallel sheaves including a sheave disposed at right angles to the parallel sheaves and a sheave disposed at an angle to said aforementioned cross-over sheave, all of said sheaves being of a relatively large diameter.

DESIGNS

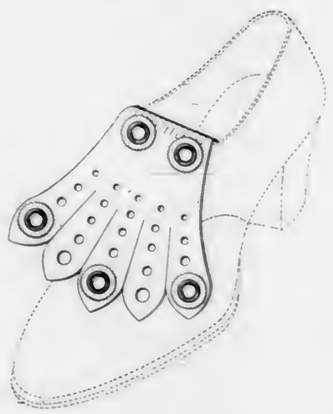
JANUARY 19, 1937

102,735
DESIGN FOR AIR CONDITIONING GAS FURNACE CABINET
Wilbur Henry Adams, Cleveland Heights, Ohio, assignor to The Forest City Foundries Company, Cleveland, Ohio, a corporation of Ohio
Application November 7, 1936, Serial No. 65,775
Term of patent 7 years



The ornamental design for an air conditioning gas furnace cabinet, as shown.

102,736
DESIGN FOR A SHOE
Jerome Edson Andrews, Andover, Mass.
Application November 19, 1936, Serial No. 66,024
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

102,737
DESIGN FOR A SHOE
Jerome Edson Andrews, Andover, Mass.
Application November 19, 1936, Serial No. 66,025
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

102,738
DESIGN FOR A SHOE
Jerome Edson Andrews, Andover, Mass.
Application November 19, 1936, Serial No. 66,026
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

102,739
DESIGN FOR A SHOE
Israel Berman, Little Falls, N. Y.
Application December 8, 1936, Serial No. 66,383
Term of patent 3½ years



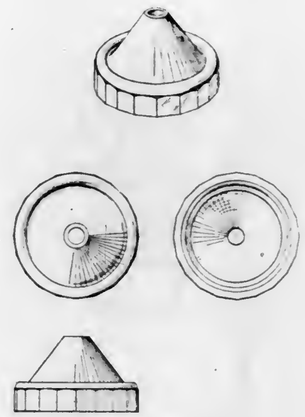
The ornamental design for a shoe substantially as shown.

102,740
DESIGN FOR A SLIPPER
Israel Berman, Little Falls, N. Y.
Application September 2, 1936, Serial No. 64,685
Term of patent 3½ years



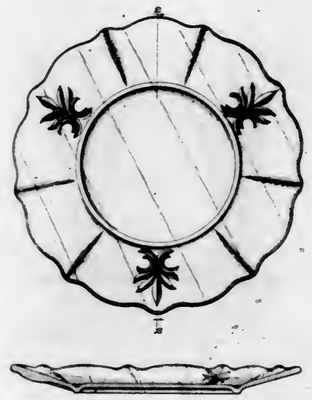
The ornamental design for a slipper substantially as shown and described.

102,741
DESIGN FOR A BOTTLE CAP
Samuel Bloomfield, Chicago, Ill.
Application August 8, 1936, Serial No. 64,292
Term of patent 7 years



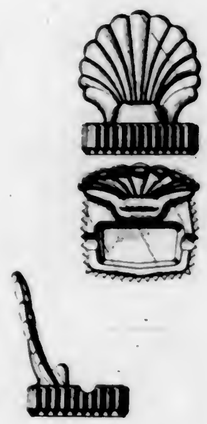
The ornamental design for a bottle cap, as shown.

102,742
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Edgar Mott Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 17, 1936, Serial No. 65,979
Term of patent 3½ years



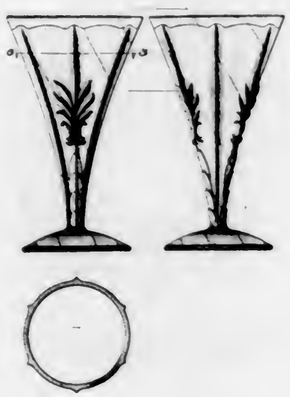
The ornamental design for a plate or similar article, substantially as shown and described.

102,743
DESIGN FOR A COMBINED PLACE CARD HOLDER, NUT DISH, AND ASHTRAY
Edgar Mott Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 17, 1936, Serial No. 65,980
Term of patent 3½ years



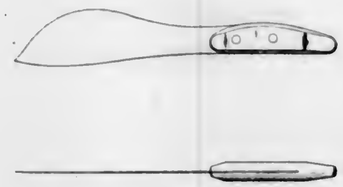
The ornamental design for a combined place card holder, nut dish, and ashtray, substantially as shown.

102,744
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Edgar Mott Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 17, 1936, Serial No. 65,981
Term of patent 3½ years



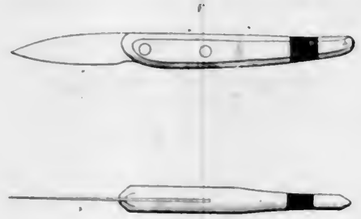
The ornamental design for a goblet or similar article, substantially as shown.

102,745
DESIGN FOR A KNIFE
Pierre H. Boucheron, Riverside, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application November 27, 1936, Serial No. 66,168
Term of patent 14 years



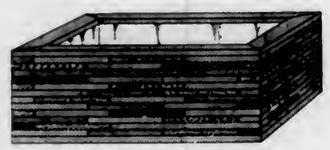
The ornamental design for a knife, as shown.

102,746
DESIGN FOR A KNIFE
Pierre H. Boucheron, Riverside, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application November 27, 1936, Serial No. 66,169
Term of patent 14 years



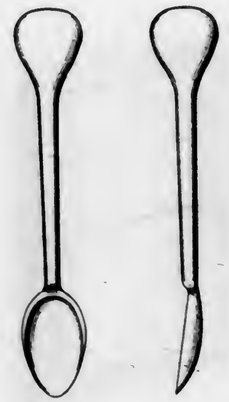
The ornamental design for a knife, as shown.

102,747
DESIGN FOR A BOX
Allan C. Bussey, Minneapolis, Minn.
Application February 24, 1936, Serial No. 61,317
Term of patent 7 years



The ornamental design for a box, substantially as shown and described.

102,748
DESIGN FOR A SPOON
Sofia Erikson, Foster Center, R. I.
Application May 11, 1936, Serial No. 62,602
Term of patent 7 years



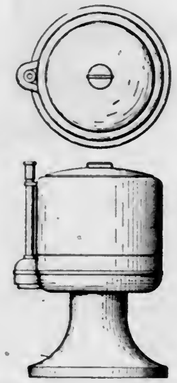
The ornamental design for a spoon, as shown.

102,749
DESIGN FOR A GOLF TEE OR SIMILAR ARTICLE
William P. Fay, Chicago, Ill.
Application June 1, 1936, Serial No. 62,938
Term of patent 3½ years



The ornamental design for a golf tee or similar article as shown.

102,750
DESIGN FOR A WASHING MACHINE
Dave Hirstel, San Francisco, Calif., assignor of one-half to Ferdinand Bendheim, San Francisco, Calif.
Application June 10, 1936, Serial No. 63,196
Term of patent 14 years



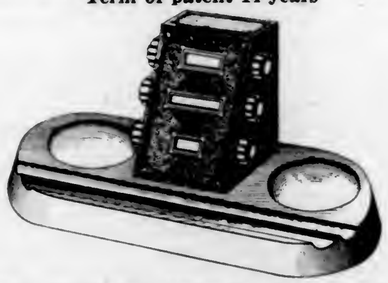
The ornamental design for a washing machine as shown.

102,751
DESIGN FOR A PERPETUAL DESK CALENDAR
Gerhard Martin Lee, Aurora, Ill., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill.
Application October 29, 1936, Serial No. 65,580
Term of patent 14 years



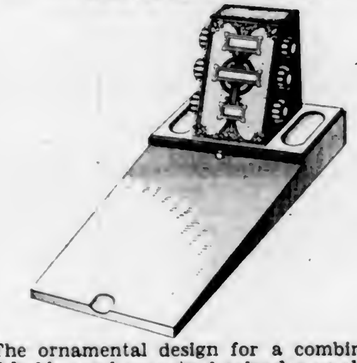
The ornamental design for a perpetual desk calendar as shown.

102,752
DESIGN FOR A COMBINED PENHOLDER AND PERPETUAL DESK CALENDAR
Gerhard Martin Lee, Aurora, Ill., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill.
Application October 29, 1936, Serial No. 65,581
Term of patent 14 years



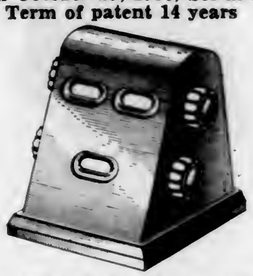
The ornamental design for a combined penholder and perpetual desk calendar as shown.

102,753
DESIGN FOR A COMBINED DESK PAD HOLDER AND PERPETUAL CALENDAR
Gerhard Martin Lee, Aurora, Ill., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill.
Application October 29, 1936, Serial No. 65,582
Term of patent 14 years



The ornamental design for a combined desk pad holder and perpetual calendar as shown.

102,754
DESIGN FOR A PERPETUAL DESK CALENDAR
Gerhard Martin Lee, Aurora, Ill., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill.
Application October 29, 1936, Serial No. 65,584
Term of patent 14 years



The ornamental design for a perpetual desk calendar, as shown.

102,755
DESIGN FOR A COMBINED PERPETUAL CALENDAR AND HOLDER THEREFOR
Gerhard Martin Lee, Aurora, Ill., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill.
Application October 29, 1936, Serial No. 65,586
Term of patent 14 years



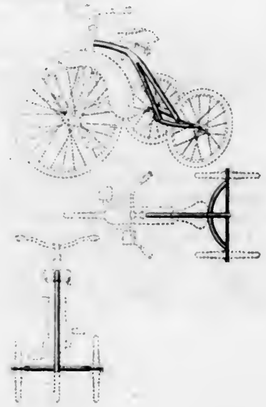
The ornamental design for a combined perpetual calendar and holder therefor, as shown.

102,756
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Rocco Leone, Philadelphia, Pa.
Application November 30, 1936, Serial No. 66,210
Term of patent 3½ years



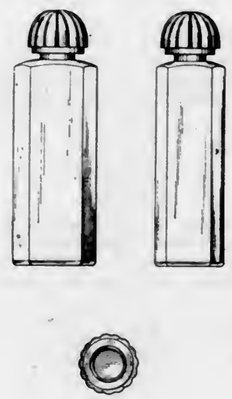
The ornamental design for a shoe or similar article, substantially as shown.

102,757
DESIGN FOR A VELOCIPEDE
George Lewinski, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application June 1, 1936, Serial No. 62,949
Term of patent 7 years



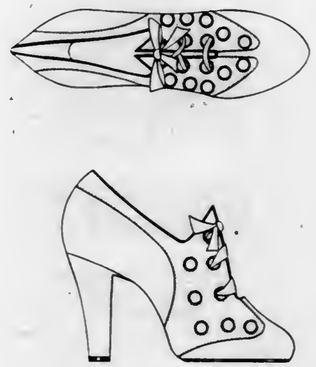
The ornamental design for a velocipede, substantially as shown.

102,758
DESIGN FOR A COMBINATION BOTTLE AND CAP
Jacques Manoha, New York, N. Y., assignor to Houbigant, Inc., New York, N. Y., a corporation of New York
Application October 24, 1936, Serial No. 65,484
Term of patent 7 years



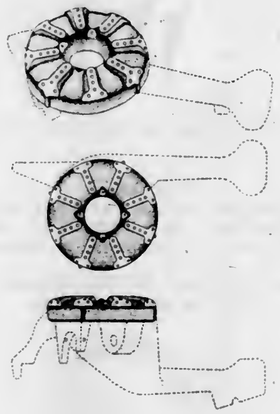
The ornamental design for a combination bottle and cap substantially as shown.

102,759
DESIGN FOR A SHOE
Joseph Mascali, New York, N. Y.
Application December 2, 1936, Serial No. 66,253
Term of patent 3½ years



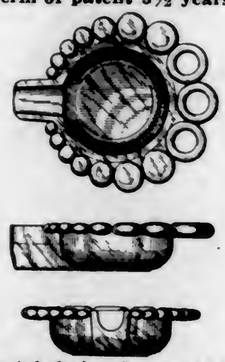
The ornamental design for a shoe, as shown.

102,760
DESIGN FOR A GAS BURNER
Henry C. Maul, Detroit, Mich., assignor to Detroit-Michigan Stove Company, Detroit, Mich., a corporation of Michigan
Application November 23, 1936, Serial No. 66,091
Term of patent 14 years



The ornamental design for a gas burner, substantially as shown and described.

102,761
DESIGN FOR AN ASHTRAY OR SIMILAR ARTICLE
Robert A. May, Washington, Pa., assignor to Duncan & Miller Glass Company, Washington, Pa., a corporation of Pennsylvania
Application November 16, 1936, Serial No. 65,946
Term of patent 3½ years



The ornamental design for an ashtray or similar article substantially as shown.

102,762
DESIGN FOR A SHOE
Samuel J. Meyer, New York, N. Y.
Application December 3, 1936, Serial No. 66,274
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

102,763
DESIGN FOR A CLOCK CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application November 21, 1936, Serial No. 66,074
Term of patent 14 years



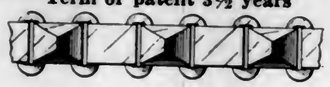
The ornamental design for a clock case as shown.

102,764
DESIGN FOR A KNEE REST
John A. Rench, Lima, Ohio
Application October 6, 1936, Serial No. 65,180
Term of patent 14 years



The ornamental design for a knee rest, as shown and described.

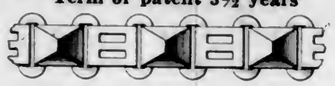
102,765
DESIGN FOR A WATCH BRACELET STRAP
Saul Ritter, New York, N. Y.
Application November 11, 1936, Serial No. 65,846
Term of patent 3½ years





The ornamental design for a watch bracelet strap as shown.

102,766
DESIGN FOR A WATCH BRACELET STRAP
Saul Ritter, New York, N. Y.
Application November 11, 1936, Serial No. 65,847
Term of patent 3½ years





The ornamental design for a watch bracelet strap as shown.

102,767
DESIGN FOR A WATCH BRACELET STRAP
Saul Ritter, New York, N. Y.
Application November 19, 1936, Serial No. 66,017
Term of patent 3½ years





The ornamental design for a watch bracelet strap, as shown.

102,768
DESIGN FOR A BOTTLE
Claire Allen Rossman, Bayside, N. Y.
Application April 10, 1936, Serial No. 62,045
Term of patent 3½ years





The ornamental design for a bottle, as shown.

102,769
DESIGN FOR AN EYECUP
Nat P. Steckler, New York, N. Y.
Application December 17, 1936, Serial No. 66,593
Term of patent 14 years





The ornamental design for an eyecup, as shown.

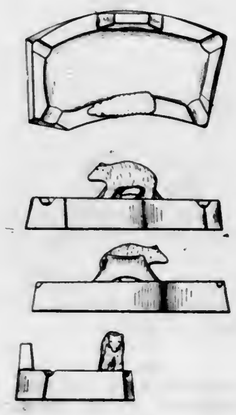
102,770
DESIGN FOR AN ATOMIZER CASE
Frederic A. Vuillemenot, Toledo, Ohio
Application September 18, 1936, Serial No. 64,918
Term of patent 7 years





The ornamental design for an atomizer case, substantially as shown.

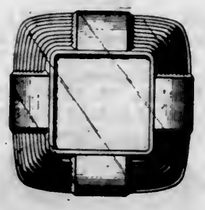
102,771
DESIGN FOR AN ASHTRAY
Harvey O. Walker, Los Angeles, Calif.
Application November 10, 1936, Serial No. 65,834
Term of patent 3½ years



The ornamental design for an ashtray as shown.

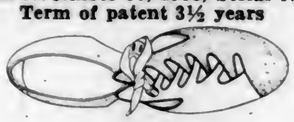
102,772
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Findley Williams, Chicago, Ill., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 11, 1936, Serial No. 65,855
Term of patent 3½ years





The ornamental design for a bowl or similar article, substantially as shown.

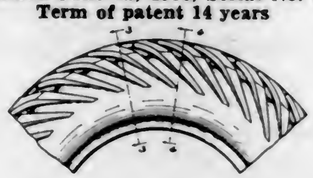
102,773
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Evelyn Ziniti, New York, N. Y.
Application November 30, 1936, Serial No. 66,209
Term of patent 3½ years





The ornamental design for a shoe or similar article substantially as shown.

102,774
DESIGN FOR A TIRE
George W. Anderson, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 12, 1936, Serial No. 63,262
Term of patent 14 years







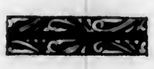
The ornamental design for a tire, substantially as shown.

102,775
DESIGN FOR A WAFFLE IRON
Oscar M. Anderson, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application January 22, 1936, Serial No. 60,734
Term of patent 14 years



The ornamental design for a waffle iron, as shown and described.

102,776
DESIGN FOR A FINGER RING
Gardiner S. Bowden, Brooklyn, N. Y., assignor to J. B. Bowden & Co. Inc., New York, N. Y., a corporation of New York
Application October 31, 1936, Serial No 65,618
Term of patent 3½ years

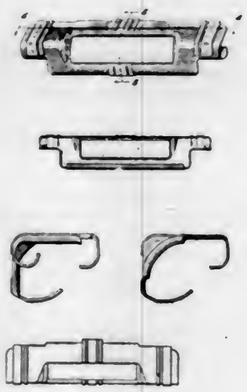






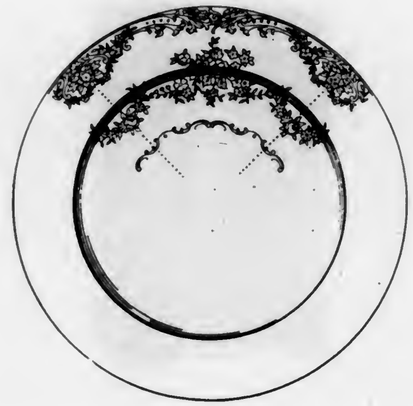
The ornamental design for a finger ring, as shown and described.

102,777
DESIGN FOR A THERMOMETER MOUNTING BRACKET
Charles W. Brant, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 26, 1936, Serial No. 65,510
Term of patent 14 years



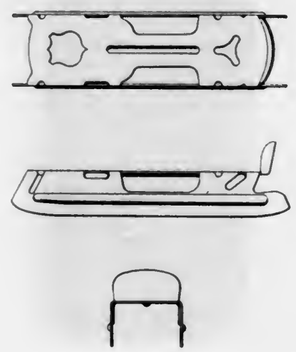
The ornamental design for a thermometer mounting bracket as shown.

102,778
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No 59,050
Term of patent 7 years



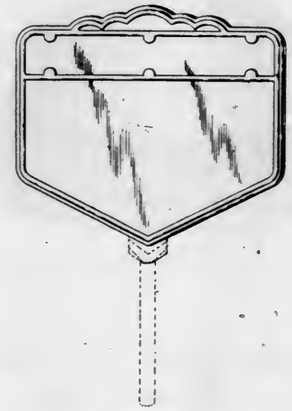
The ornamental design for a plate or similar article, as shown and described.

102,779
DESIGN FOR A CHILD'S ICE SKATE
William Hamilton Dunne, Jr., Toronto, Ontario, Canada
Application July 10, 1936, Serial No. 63,760
In Canada April 14, 1936
Term of patent 7 years



The ornamental design for a child's ice skate as shown.

102,780
DESIGN FOR A DISPLAY SIGN OR SIMILAR ARTICLE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application October 15, 1936, Serial No. 65,310
Term of patent 7 years



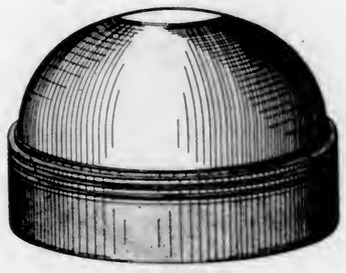
The ornamental design for a display sign or similar article substantially as shown and described.

102,781
DESIGN FOR AN ASHTRAY
Clarence P. Harrington, Indiana, Pa.
Application August 31, 1936, Serial No. 64,658
Term of patent 7 years



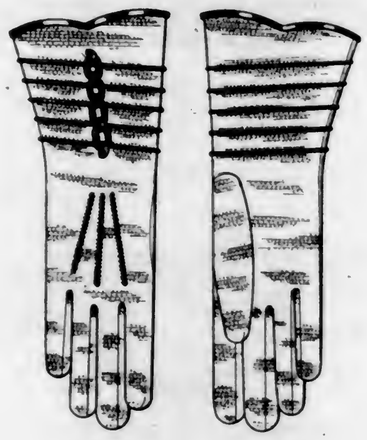
The ornamental design for an ashtray, as shown.

102,782
DESIGN FOR A HUMIDIFIER
Robert Heller, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application October 26, 1935, Serial No. 59,228
Term of patent 14 years



The ornamental design for a humidifier, as shown.

102,783
DESIGN FOR A GLOVE
Irving K. Hessberg, New York, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Application December 2, 1936, Serial No 66,258
Term of patent 3½ years



The ornamental design for a glove as shown.

102,784
DESIGN FOR A RADIO CABINET
Alfred G. Hoffman, Cincinnati, Ohio, assignor to Midwest Radio Corporation, a corporation of Ohio
Application August 12, 1936, Serial No. 64,361
Term of patent 3½ years



The ornamental design for a radio cabinet substantially as shown and described.

102,785
DESIGN FOR A RADIO CABINET
Alfred G. Hoffman, Cincinnati, Ohio, assignor to Midwest Radio Corporation, a corporation of Ohio
Application August 12, 1936, Serial No. 64,362
Term of patent 3½ years



The ornamental design for a radio cabinet substantially as shown and described.

102,786
DESIGN FOR A RADIO CABINET
Alfred G. Hoffman, Cincinnati, Ohio, assignor to Midwest Radio Corporation, a corporation of Ohio
Application August 12, 1936, Serial No. 64,363
Term of patent 3½ years



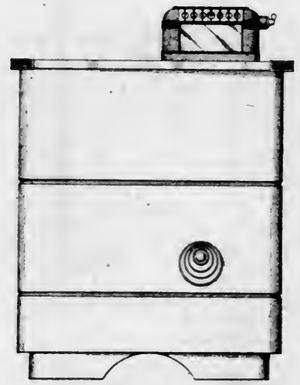
The ornamental design for a radio cabinet substantially as shown and described.

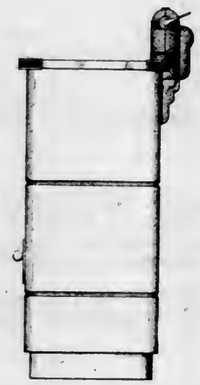
102,787
DESIGN FOR A RADIO CABINET
Alfred G. Hoffman, Cincinnati, Ohio, assignor to Midwest Radio Corporation, a corporation of Ohio
Application August 12, 1936, Serial No. 64,364
Term of patent 3½ years

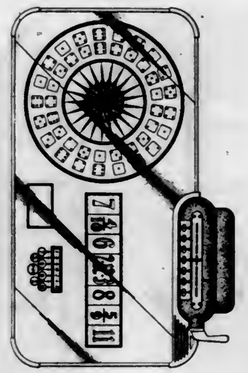


The ornamental design for a radio cabinet substantially as shown and described.

102,788
DESIGN FOR A GAME DEVICE
Richard W. Hood, Chicago, Ill., assignor to H. C. Evans & Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1936, Serial No 65,575
Term of patent 7 years

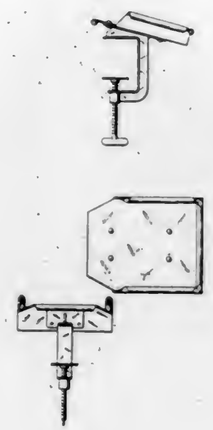






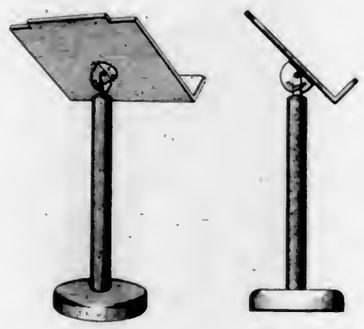
The ornamental design for a game device, as shown and described.

102,789
DESIGN FOR A SADIRON HOLDER
Elizabeth Karnes, Oil City, Pa.
Application September 28, 1936, Serial No. 65,041
Term of patent 14 years



The ornamental design for a sadiron holder as shown.

102,790
DESIGN FOR AN ORCHESTRA STAND OR SIMILAR ARTICLE
Russell Katz, Hamilton, Ohio, assignor to Krauth & Benninghofen, Hamilton, Ohio, a firm
Application February 20, 1936, Serial No. 61,271
Term of patent 3½ years



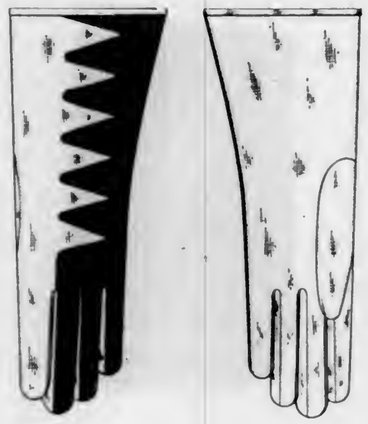
The ornamental design for an orchestra stand, or similar article, as shown.

102,791
DESIGN FOR A CABANA
Alfred Meyer Levine and Charles Pincus, Long Beach, N. Y.
Application September 19, 1936, Serial No. 64,933
Term of patent 3½ years



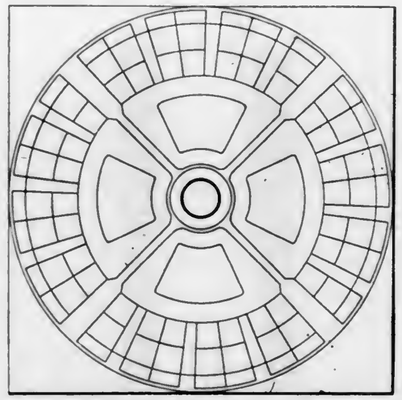
The ornamental design for a cabana, substantially as shown.

102,792
DESIGN FOR A GLOVE
Lucie J. Maclear, New York, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Application December 2, 1936, Serial No 66,255
Term of patent 3½ years



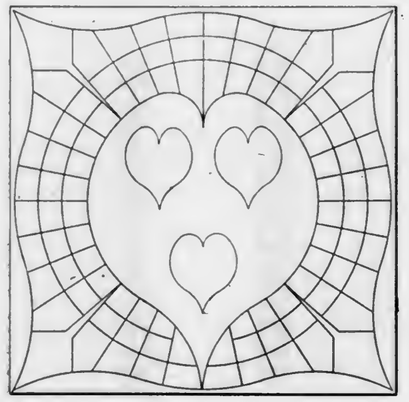
The ornamental design for a glove, as shown.

102,793
DESIGN FOR A GAME BOARD
Edward Mehlert, Berkeley, Calif.
Application August 31, 1936, Serial No. 64,651
Term of patent 3½ years



The ornamental design for a game board, as shown and described.

102,794
DESIGN FOR A GAME BOARD
Edward Mehlert, Berkeley, Calif.
Application August 31, 1936, Serial No. 64,650
Term of patent 3½ years



The ornamental design for a game board as shown and described.

102,795
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1936, Serial No. 66,222
Term of patent 3½ years



The ornamental design for a dress as shown.

102,796
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1936, Serial No. 66,223
Term of patent 3½ years



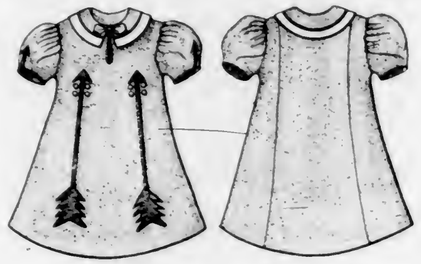
The ornamental design for a dress as shown.

102,797
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 3, 1936, Serial No. 66,300
Term of patent 3½ years



The ornamental design for a dress as shown.

102,798
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 8, 1936, Serial No. 66,378
Term of patent 3½ years



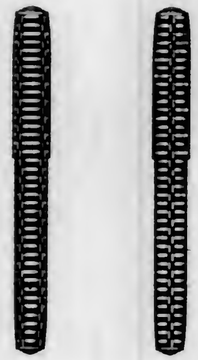
The ornamental design for a dress as shown.

102,799
DESIGN FOR A FOUNTAIN PEN OR OTHER WRITING IMPLEMENT
Kenneth S. Parker, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application May 25, 1936, Serial No. 62,826
Term of patent 7 years



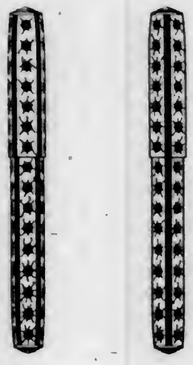
The ornamental design for a fountain pen or other writing implement substantially as shown and described.

102,800
DESIGN FOR A FOUNTAIN PEN OR OTHER WRITING IMPLEMENT
Kenneth S. Parker, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application May 25, 1936, Serial No. 62,828
Term of patent 7 years



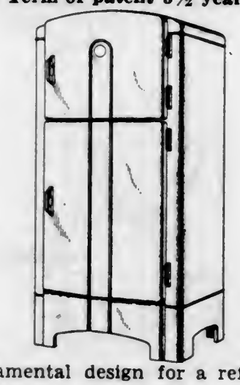
The ornamental design for a fountain pen or other writing implement substantially as shown and described.

102,801
DESIGN FOR A FOUNTAIN PEN OR OTHER WRITING IMPLEMENT
Kenneth S. Parker, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application May 25, 1936, Serial No. 62,829
Term of patent 7 years



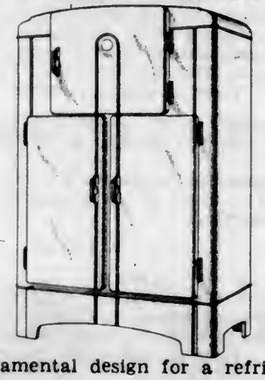
The ornamental design for a fountain pen or other writing implement substantially as shown and described.

102,802
DESIGN FOR A REFRIGERATOR
Jean O. Reinecke, Chicago, Ill., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application November 13, 1936, Serial No. 65,885
Term of patent 3½ years



The ornamental design for a refrigerator as shown.

102,803
DESIGN FOR A REFRIGERATOR
Jean O. Reinecke, Chicago, Ill., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application November 13, 1936, Serial No. 65,886
Term of patent 3½ years



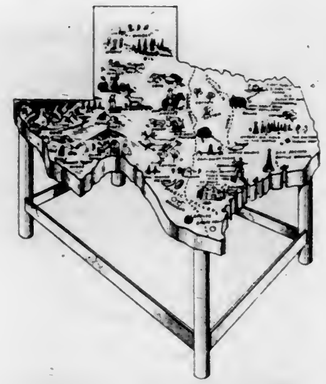
The ornamental design for a refrigerator as shown.

102,804
DESIGN FOR INSTRUMENT FOR LOCATING DISPLACED VERTEBRA OF THE SPINE
Herand Robinson, Columbus, Ohio
Application December 24, 1935, Serial No. 60,268
Term of patent 7 years



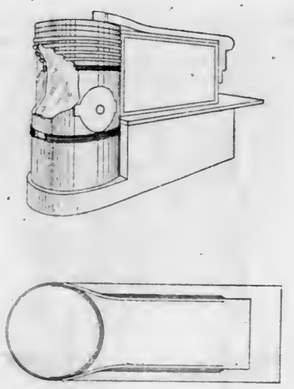
The ornamental design for an instrument for locating displaced vertebra of the spine, as shown.

102,805
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Parker Smith, Dallas, Tex.
Application August 29, 1936, Serial No. 64,638
Term of patent 14 years



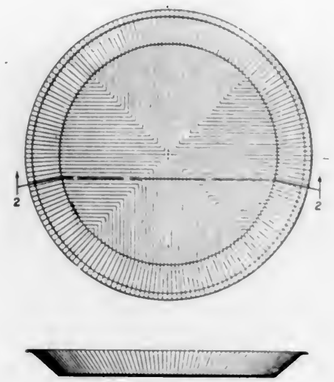
The ornamental design for a table or similar article, as shown and described.

102,806
DESIGN FOR A DISPLAY COUNTER
Erskine D. Thompson, Burlingame, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 19, 1936, Serial No. 65,367
Term of patent 3½ years



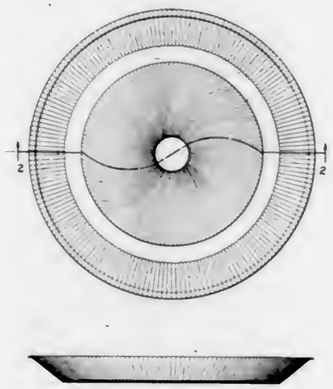
The ornamental design for a display counter, as shown and described.

102,807
DESIGN FOR A PAPER PLATE
William R. Van Winkle and Roland E. Pavey, Marion, Ind., assignors to Indiana Fibre Products Company, Marion, Ind., a corporation
Application November 2, 1936, Serial No. 65,646
Term of patent 7 years



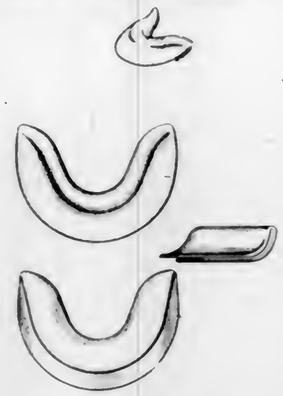
The ornamental design for a paper plate, as shown.

102,808
DESIGN FOR A PAPER PLATE
William R. Van Winkle and Roland E. Pavey, Marion, Ind., assignors to Indiana Fibre Products Company, Marion, Ind., a corporation
Application November 14, 1936, Serial No. 65,917
Term of patent 7 years



The ornamental design for a paper plate, as shown.

102,809
DESIGN FOR A SHAMPOO BOARD NECK REST
Elizabeth Wutzler, Alton, Ill.
Application October 29, 1936, Serial No. 65,573
Term of patent 3½ years



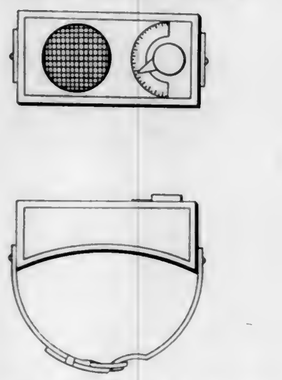
The ornamental design for a shampoo board neck rest, substantially as shown.

102,810
DESIGN FOR A SET OF NUMBERING HEAD DIGITS
Peter Aitchison, New Rochelle, N. Y., assignor to American Bank Note Company, New York, N. Y., a corporation of New York
Application May 9, 1935, Serial No. 56,763
Term of patent 14 years



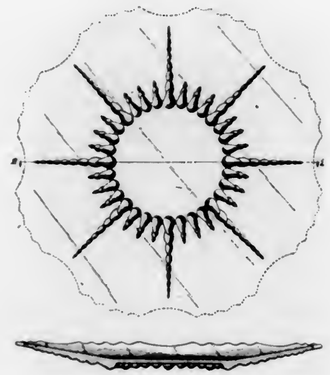
The ornamental design for a set of numbering head digits as shown in the accompanying drawing and described.

102,811
DESIGN FOR A WRIST RADIO CASING
Norwood Anderson, Chester, N. Y.
Application October 31, 1936, Serial No. 65,629
Term of patent 3½ years



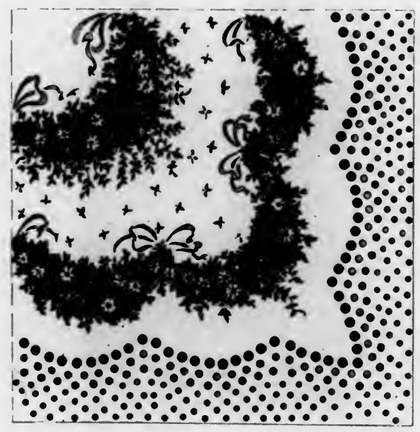
The ornamental design for a wrist radio casing as shown.

102,812
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Harry E. Barth, New Martinsville, W. Va., assignor to The New Martinsville Glass Mfg. Company, New Martinsville, W. Va., a corporation of West Virginia
Application December 7, 1936, Serial No. 66,367
Term of patent 7 years



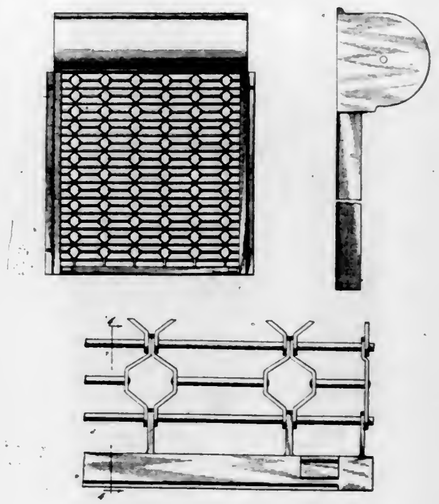
The ornamental design for a plate or similar article, substantially as shown and described.

102,813
DESIGN FOR A TABLECLOTH
Seymour Brown, New York, N. Y.
Application December 22, 1936, Serial No. 66,681
Term of patent 3½ years



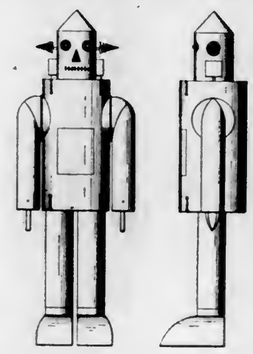
The ornamental design for a tablecloth substantially as shown and described.

102,814
DESIGN FOR A ROLLING DOOR
William M. Brunst, Columbus, Ohio, assignor to General Door Company, Reno, Nev., a corporation of Nevada
Application January 8, 1936, Serial No. 60,485
Term of patent 14 years



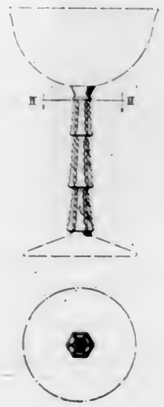
The ornamental design for a rolling door substantially as shown and described.

102,815
DESIGN FOR A MECHANICAL MAN
Rafael A. Suris Busto, Habana, Cuba
Application November 18, 1936, Serial No. 65,994
Term of patent 7 years



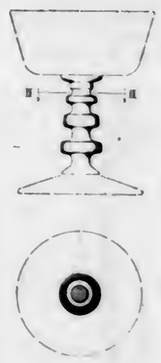
The ornamental design for a mechanical man, as shown.

102,816
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application June 9, 1936, Serial No. 63,112
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

102,817
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application June 9, 1936, Serial No. 63,113
Term of patent 7 years



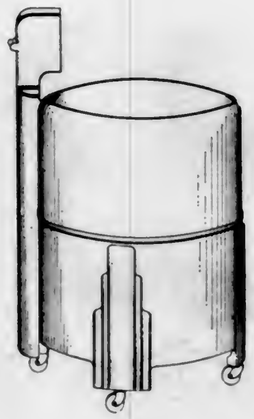
The ornamental design for a goblet or similar article, as shown and described.

102,818
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application June 9, 1936, Serial No. 63,138
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown.

102,819
DESIGN FOR A COMBINATION WASHING MACHINE CABINET AND WRINGER HEAD
Oliver Leslie Earl, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application April 23, 1936, Serial No. 62,256
Term of patent 7 years



The ornamental design for a combination washing machine cabinet and wringer head as shown and described.

102,820
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y.
Application December 22, 1936, Serial No. 66,678
Term of patent 3½ years



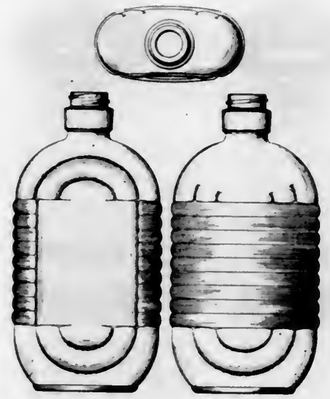
The ornamental design for a lace substantially as shown and described.

102,821
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application May 14, 1936, Serial No. 62,644
Term of patent 14 years



The ornamental design for a textile fabric as described and as shown.

102,822
DESIGN FOR A BOTTLE
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 22, 1936, Serial No. 63,980
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

102,823
DESIGN FOR A BOTTLE
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio a corporation of Ohio
Application July 22, 1936, Serial No. 63,981
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

102,824
DESIGN FOR A DRESS
Aaron Guzy, New York, N. Y.
Application December 8, 1936, Serial No. 66,386
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

102,825
DESIGN FOR A RUG OR SIMILAR ARTICLE
Frank A. Haas, New York, N. Y.
Application December 22, 1936, Serial No. 66,679
Term of patent 3½ years



The ornamental design for a rug or similar article, substantially as shown.

102,826
DESIGN FOR A RUG OR SIMILAR ARTICLE
Frank A. Haas, New York, N. Y.
Application December 22, 1936, Serial No. 66,680
Term of patent 3½ years



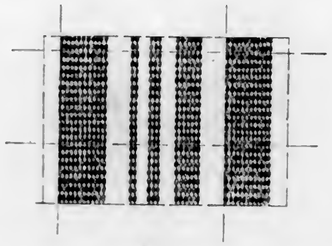
The ornamental design for a rug or similar article, substantially as shown.

102,827
DESIGN FOR A RUG OR SIMILAR ARTICLE
Frank A. Haas, New York, N. Y.
Application December 23, 1936, Serial No. 66,704
Term of patent 3½ years



The ornamental design for a rug or similar article, substantially as shown.

102,828
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 10, 1936, Serial No. 65,237
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

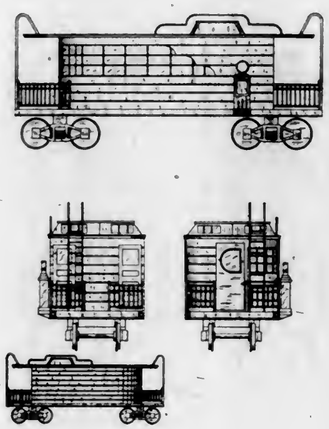
102,829
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application November 5, 1936, Serial No. 65,703
Term of patent 3½ years





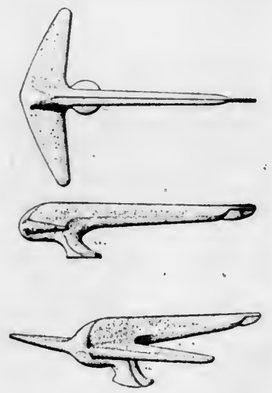
The ornamental design for a textile fabric substantially as shown.

102,830
DESIGN FOR A PORTABLE GAS STATION
Eugene E. Johnston, Buffalo, N. Y., assignor to Tank Car Stations, Inc., Buffalo, N. Y., a corporation of New York
Application November 30, 1936, Serial No. 66,215
Term of patent 14 years



The ornamental design for a portable gas station substantially as shown.

102,831
DESIGN FOR A HOOD ORNAMENT OR SIMILAR ARTICLE
Clarence Karstadt, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 28, 1936, Serial No. 65,033
Term of patent 7 years



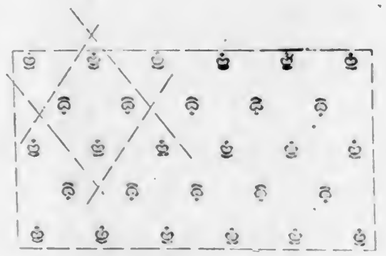
The ornamental design for a hood ornament or similar article, substantially as shown.

102,832
DESIGN FOR A DRESS
David Kell, New York, N. Y.
Application December 8, 1936, Serial No. 66,380
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

102,833
DESIGN FOR A TEXTILE FABRIC
John Killars, Jr., Greenville, S. C., assignor to Deering Milliken & Co. Inc., a corporation of New York
Application December 10, 1936, Serial No. 66,462
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

102,834
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application November 14, 1936, Serial No. 65,903
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

102,835
DESIGN FOR A RADIO CABINET OR SIMILAR ARTICLE
Walter C. Lueneburg, Chicago, Ill.
Application June 20, 1936, Serial No. 63,407
Term of patent 7 years



The ornamental design for a radio cabinet or similar article, as shown.

102,836
DESIGN FOR A RETICULE
Elmer Hoover McGowen, Los Angeles, Calif.
Application November 11, 1935, Serial No. 59,474
Term of patent 3½ years



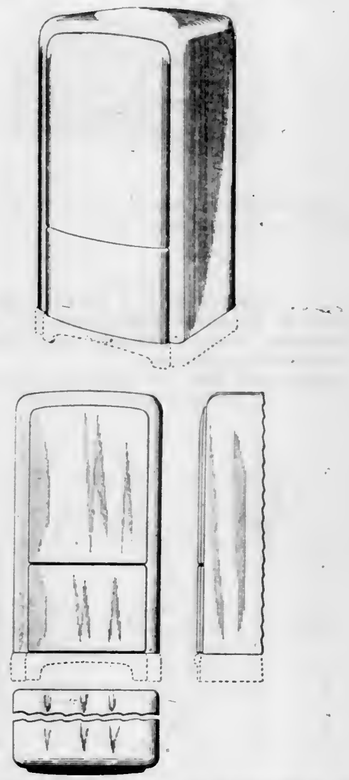
The ornamental design for a reticule, as shown and described.

102,837
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application November 24, 1936, Serial No. 66,107
Term of patent 14 years



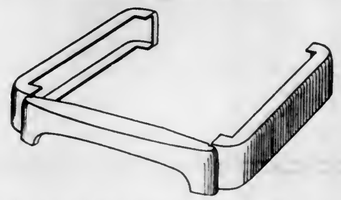
The ornamental design for a knitted fabric, as shown and described.

102,838
DESIGN FOR A REFRIGERATOR CABINET OR SIMILAR ARTICLE
Herbert Morley, Detroit, Lawrence H. Wilson, Grosse Pointe, and Herbert L. Davies, Detroit, Mich., assignors to Borg-Warner Corporation, a corporation of Illinois
Application January 18, 1936, Serial No. 60,660
Term of patent 14 years



The ornamental design for a refrigerator cabinet or similar article, substantially as shown and described.

102,839
DESIGN FOR A BASE UNIT FOR A CABINET OR SIMILAR ARTICLE
Herbert Morley, Detroit, Lawrence H. Wilson, Grosse Pointe, and Herbert L. Davies, Detroit, Mich., assignors to Borg-Warner Corporation, a corporation of Illinois
Application January 18, 1936, Serial No. 60,661
Term of patent 14 years



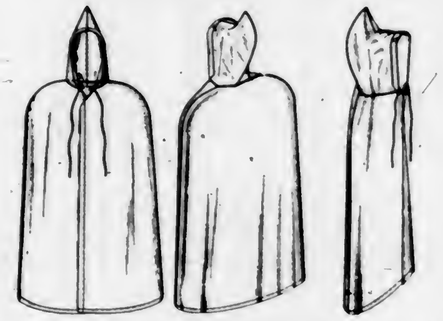
The ornamental design for a base unit for a cabinet or similar article, substantially as shown.

102,840
DESIGN FOR A CYCLOMETER CLOCK CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application November 21, 1936, Serial No. 66,075
Term of patent 14 years



The ornamental design for a cyclometer clock case as shown and described.

102,841
DESIGN FOR A RAIN CAPE
Harvey B. Richards, Lake Bluff, Ill., assignor to Richards, Boggs and King, Inc., Chicago, Ill., a corporation of Illinois
Application July 13, 1936, Serial No. 63,821
Term of patent 7 years



The ornamental design for a rain cape substantially as shown and described.

102,842
DESIGN FOR A BRACELET CHAIN
Saul Ritter, New York, N. Y.
Application October 17, 1936, Serial No. 65,333
Term of patent 3½ years





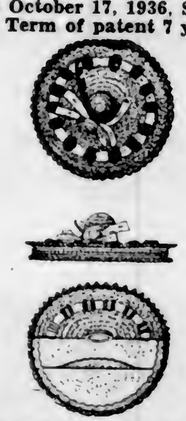
The ornamental design for a bracelet chain as shown.

102,843
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application December 17, 1936, Serial No. 66,584
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

102,844
DESIGN FOR PINCUSHION OR SIMILAR ARTICLE
Jennie Scheidegger, New York, N. Y.
Application October 17, 1936, Serial No. 65,337
Term of patent 7 years



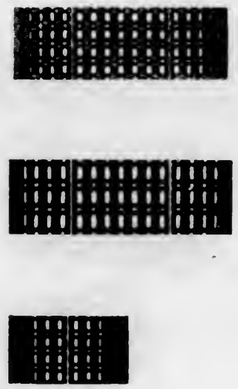
The ornamental design for pincushion or similar article, as shown.

102,845
DESIGN FOR A JACKET
Jacob A. Silverman, New York, N. Y.
Application November 13, 1936, Serial No. 65,873
Term of patent 3½ years



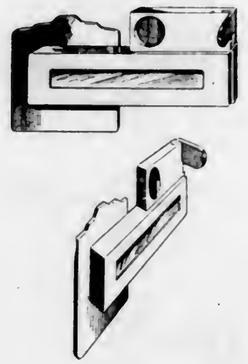
The ornamental design for a jacket, substantially as shown and described.

102,846
DESIGN FOR AN ELASTIC FABRIC
Raymond K. Siner, Wyomissing Hills, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application November 21, 1936, Serial No. 66,062
Term of patent 7 years



The ornamental design for an elastic fabric as shown and described.

102,847
DESIGN FOR A VISIBLE COIN SLOT ATTACHMENT FOR COIN CONTROLLED DEVICES
Francisco A. Toce, Sr., Houston, Tex.
Application June 8, 1936, Serial No. 63,107
Term of patent 3½ years



The ornamental design for a visible coin slot attachment for coin controlled devices, substantially as shown.

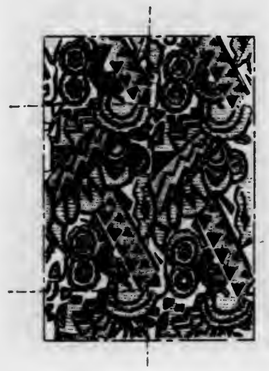
102,848
DESIGN FOR A SHOE
Alfred Vamos, New York, N Y.
Application November 14, 1936, Serial No. 65,905
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

102,849
DESIGN FOR A TEXTILE FABRIC
George Feinberg, New York, N. Y.
Application August 8, 1936, Serial No. 64,313
Term of patent 3½ years



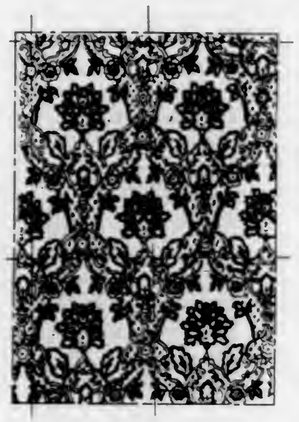
The ornamental design for a textile fabric substantially as shown and described.

102,850
DESIGN FOR A TEXTILE FABRIC
George Feinberg, New York, N. Y.
Application September 23, 1936, Serial No. 64,970
Term of patent 3½ years



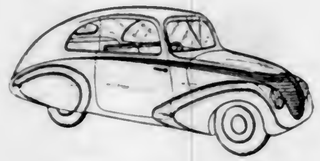
The ornamental design for a textile fabric substantially as shown and described.

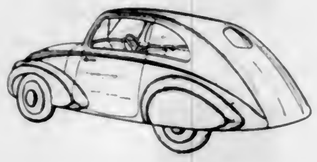
102,851
DESIGN FOR A TEXTILE FABRIC
George Feinberg, New York, N. Y.
Application September 23, 1936, Serial No. 64,971
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

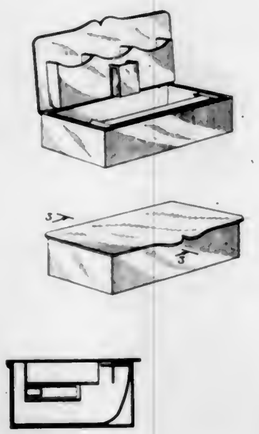
102,852
DESIGN FOR AN AUTOMOBILE
Douglas Frederick Harold Fitzmaurice, London, England
Application October 23, 1936, Serial No. 65,441
In Great Britain July 4, 1936
Term of patent 14 years





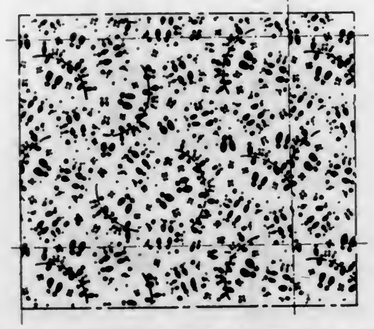
The ornamental design for an automobile as shown.

102,853
DESIGN FOR A COMBINATION CIGARETTE BOX AND ASHTRAY
Charles Le Roy Gunther and Philip K. Paval, Los Angeles, Calif.
Application November 10, 1936, Serial No. 65,832
Term of patent 14 years



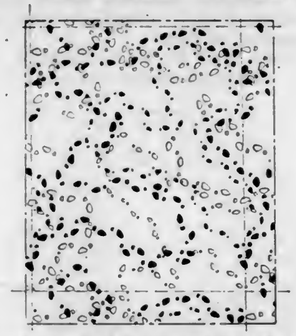
The ornamental design for a combination cigarette box and ashtray as shown and described.

102,854
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application August 13, 1936, Serial No. 64,382
Term of patent 3½ years



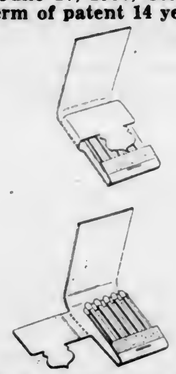
The ornamental design for a textile fabric substantially as shown and described.

102,855
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application August 13, 1936, Serial No. 64,383
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

102,856
DESIGN FOR A MATCH FOLDER
John H. Lewis, Washington, D. C.
Application June 17, 1936, Serial No. 63,340
Term of patent 14 years



The ornamental design for a match folder as shown and described.

102,857
DESIGN FOR A POWDER CAN CAP
John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 7, 1935, Serial No. 59,433
Term of patent 7 years



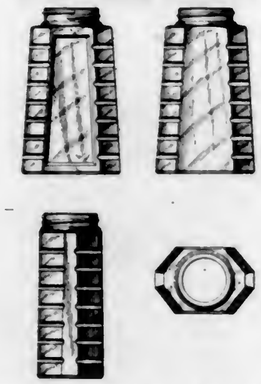
The ornamental design for a powder can cap, as shown.

102,858
DESIGN FOR A DIFFUSER FOR ELECTRIC LIGHTING FIXTURES
Duane L. Ripley, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application October 29, 1936, Serial No. 65,562
Term of patent 3½ years



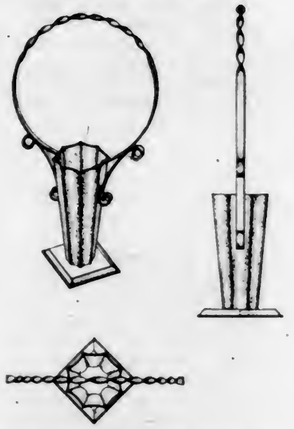
The ornamental design for a diffuser for electric lighting fixtures substantially as shown.

102,859
DESIGN FOR A BOTTLE
John H. Funkey, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application December 2, 1936, Serial No 66,263
Term of patent 14 years



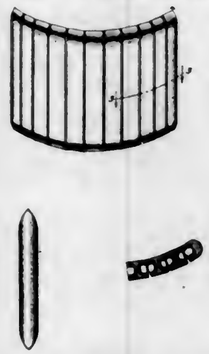
The ornamental design for a bottle, as shown.

102,860
DESIGN FOR A FLORAL CONTAINER
Roderick M. Koch, Evansville, Ind.
Application September 12, 1936, Serial No. 64,833
Term of patent 7 years



The ornamental design for a floral container, as shown.

102,861
DESIGN FOR A FLEXIBLE CIGARETTE CASE
Edwin A. Lemire, Providence, R. I.
Application September 30, 1936, Serial No. 65,082
Term of patent 7 years



The ornamental design for a flexible cigarette case, substantially as shown and described.

102,862
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Charles L. Sebring, Sebring, Ohio, assignor to The Sebring Pottery Company, Sebring, Ohio, a corporation of Ohio
Application April 25, 1936, Serial No. 62,300
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

Patents Nos. 2,068,639 to 2,069,193

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United States Patent Office

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January 26, 1937

Trade-Marks	144	No. 342,661 to No. 342,804, inclusive.
T. M. Renewals	52	
Labels	54	No. 48,735 to No. 48,788, inclusive.
Prints	18	No. 16,008 to No. 16,025, inclusive.
Reissues	8	No. 20,251 to No. 20,258, inclusive.
Plant Patents	4	No. 227 to No. 230, inclusive.
Patents	555	No. 2,068,639 to No. 2,069,193, inclusive.
Designs	115	No. 102,863 to No. 102,977, inclusive.
Total	950	

Disclaimers

1,819,114.—*Robert L. Perkins*, East Aurora, N. Y. CONCENTRATION OF ORES BY FLOTATION. Patent dated August 18, 1931. Disclaimer filed December 28, 1936, by the assignee, *National Aniline & Chemical Company, Inc.*

Hereby disclaims claims 1 and 3 of said Letters Patent.

1,867,188.—*Johann Joseph Stoeckly*, Teltow-Seehof, and *Erhard Witte*, Berlin-Lichterfelde, Germany. METHODS OF FORMING ARTIFICIAL SILK, ETC., OF MAT APPEARANCE. Patent dated July 12, 1932. Disclaimer filed January 4, 1937, by the assignee, *North American Rayon Corporation*.

Hereby enters this disclaimer of a construction of the claims in such specification, such as would include removal of the organic substance referred to in claim 1, the emulsified insoluble material referred to in claims 2 and 3, the oil referred to in claim 4, and the paraffin referred to in claim 5, other than by means of a solvent capable of dissolving such substance.

1,901,158.—*Thomas T. Gray*, Elizabeth, N. J. REFINING HYDROCARBONS. Patent dated March 14, 1933. Disclaimer filed January 2, 1937, by the assignee, *The Gray Processes Corporation*.

Hereby enters this disclaimer to claims 1 to 7, 10, 14, and 16 of the aforesaid Letters Patent.

2,054,576.—*Edward H. Waugh*, Seattle, Wash. FISH-CLEANING WHEEL. Patent dated September 15, 1936. Disclaimer filed January 2, 1937, by the assignee, *Smith Cannery Machines Company*.

Hereby enters this disclaimer to claims 21 and 22, namely:

From each of claims 21 and 22 any structure wherein the means engageable within the cavity of the fish to clean it is not yieldable; that is to say, in order to come within the intended scope of claims 21 and 22 such means must be itself of yieldable material or so mounted with respect to its support as to yield while in engagement with a fish when acted upon by a force created by relative movement between said means and the fish.

Adjudicated Patents

(D. C. N. Y.) Schick patent, No. 1,721,530, for shaving implement, claims 1 and 13 *Held* valid and infringed. *Schick Dry Shaver* v. *Dictograph Products Co.*, 16 F. Supp. 936.

(D. C. N. Y.) Schick patent, No. 1,757,978, for shaving machine, claim 5 *Held* not infringed. *Id.*

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Jan. 9, 1937.*

Acme Products Limited, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by J. C. Eno (U. S.) Limited, Belmont Building, Madison Avenue at 34th Street, New York, N. Y., to effect the cancellation of trade-mark registrations of Acme Products Limited, 6533 East Jefferson Street, Detroit, Mich., and Winnipeg, Canada, No. 248,117, dated October 16, 1928, and No. 249,926, dated November 27, 1928, and the notice of such proceeding sent by registered mail to the said Acme Products Limited at the said addresses having been returned by the post office undeliverable, notice is hereby given that unless said Acme Products Limited, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business January 9, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,066; Trade-Mark Division, 1,762. Oldest new case, July 8, 1936; oldest amended, July 6, 1936.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 5	Nov. 2	342
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Aug. 15	Aug. 19	1,032
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 21	Oct. 27	422
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Sept. 12	Sept. 10	602
3077	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Oct. 6	Oct. 10	425
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Sept. 9	Sept. 8	737
5725	7. JARBOE, C. G., Optics; Photography	Oct. 12	Oct. 12	798
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 12	Oct. 7	436
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 15	Oct. 15	376
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Oct. 5	Oct. 13	366
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 12	Oct. 22	388
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Oct. 13	Oct. 13	330
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 30	Oct. 30	428
5097	14. SMITH, G. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Sept. 24	Sept. 24	589
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 11	Oct. 11	882
5612	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 23	Sept. 23	699
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 10	Oct. 11	602
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 5	Sept. 8	453
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 14	Sept. 12	661
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 14	Sept. 10	448
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 9	Oct. 9	625
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 15	Oct. 15	584
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	July 8	July 6	516
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 12	Oct. 14	593
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 10	Oct. 9	572
5803	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 20	Oct. 21	293
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Aug. 10	Aug. 10	801
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Oct. 6	Sept. 14	334
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Oct. 9	Oct. 9	507
4063	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 11	Sept. 11	686
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 12	Oct. 16	490
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation, Agitating.	Oct. 19	Oct. 21	473
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 25	Sept. 29	735
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 10	Oct. 10	343
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 19	Oct. 1	622
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 9	Oct. 14	273
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 5	Sept. 30	586
3064	38. KRAFFT, O. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 5	Oct. 5	384
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 9	Nov. 9	315
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 9	Sept. 10	1,081
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Sept. 1	Sept. 16	536
5832	42. CUTTING, H. O., Electric Signaling	Oct. 7	Oct. 3	441
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Oct. 9	Oct. 9	609
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Sept. 12	Sept. 26	629
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 10	Oct. 9	316
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 26	Sept. 26	567
7600	47. BARKER, H., Clutches; Brakes	Oct. 20	Oct. 9	495
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Oct. 5	Oct. 8	518
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 5	Nov. 10	370
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Oct. 9	Oct. 9	497
5628	51. BACKUS, C. D., Radiant Energy	Oct. 10	Oct. 10	723
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 16	Oct. 21	626
6997	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 9	Sept. 9	956
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Oct. 16	Oct. 16	311
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 5	Sept. 3	692
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Oct. 9	Oct. 9	928
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Sept. 15	Sept. 19	434
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 6	Oct. 6	278
4709	59. SHEPARD P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Oct. 7	Oct. 15	419
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Sept. 9	Sept. 9	587
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 29	Sept. 5	222
3876	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 6	Oct. 6	441
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting; Fermentation	Oct. 3	Oct. 3	487
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Oct. 9	Oct. 9	751
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 6	Aug. 6	781
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Dec. 9	Dec. 19	1,399
	{Labels and Prints	Dec. 9	Dec. 28	363
2605	Designs, H. H. KALUPY	Dec. 10	Dec. 28	623

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

ECONOMY FUSE AND MANUFACTURING COMPANY
v.
COE, COMMISSIONER OF PATENTS

No. 6510

Decided November 2, 1936. Rehearing denied December 14, 1936

PATENTABILITY—THERMOPLASTIC MOLDING COMPOSITION. Claims for a thermoplastic molding composition *Held* unpatentable over the prior art.

Affirmed.

Mr. E. W. Shepard and *Mr. James P. Hume* for Economy Fuse and Manufacturing Company.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices

ROBB, *A. J.:*

APPEAL from a decree in the Supreme Court of the District (now District Court of the United States) dismissing appellant's bill, filed under Sec. 4915, R. S., as amended (35 U. S. C. A. Sec. 63), to authorize the Commissioner of Patents to issue a patent to appellant (assignee of applicants Cherry and Kurath),

The case involves a thermoplastic molding composition, a process of molding it, and the finished molded article.

Of the claims, Nos. 8 to 13, inclusive, claim 8 for the composition is sufficiently illustrative, and is here reproduced:

"8. A thermoplastic molding composition comprising a thermoplastic reactive resinous binder and a filler consisting of relatively short lengths of spun fibrous material in string-like form."

In its brief appellant states that

"molding compositions of this general type are well known and there are many such compositions now employed in various industrial uses for making numerous objects. Such compositions have resulted from the development of certain synthetic resinous materials which are suitable for use as the binders thereof."

The binder used as an ingredient of appellant's molding composition "is any one of the resins of the group above referred to, which are thermoplastic as well as potentially reactive."

The other essential ingredient is the filling material. That employed by appellant is composed of relatively short lengths (approximately ⅛ of an inch to 2 inches in length) of strong pieces of string, or, as specified in claim 9, consists of "relatively short lengths of spun fibrous material in string-like form."

The patent to Talley, No. 1,223,216, discloses a molded gear composed of a resinous binder and a filler of unspun fibrous material. In his specification he states:

"Many kinds of fibrous materials are suitable for my purpose, such as long and short staple raw cotton, hemp and other textile fibers, as well as certain varieties of long-filler asbestos."

Kempton, No. 1,513,323, discloses a moldable composition. In his specification he points out that a moldable body composed of a comminuted filler such as wood flour (fine sawdust), or a short-fiber filler, does not possess sufficient strength for some purposes, although the strength is uniform; that a body composed of superimposed layers of fibrous sheet material and a hardened phenolic condensation product possesses unusually great mechanical strength in one direction but not as great strength as is required, in some instances, in an opposite direction. That the sheet material may be conveniently formed into bodies of uniform thickness only. He then states:

"To overcome these objections, attempts have been made, by various methods, to provide a moldable composition comprising long fibres, and particularly long cotton fibres, impregnated with a suitable binder, such as a phenolic condensation product, as it has been appreciated that a body molded from such material would possess uniform strength, in all directions, and a strength considerably exceeding that of moldable compositions having a granular or short-fibre filler. * * * I have found that woven fabrics, in sheet form, such as various forms of cloth, may be readily and uniformly impregnated with a phenolic condensation product, in liquid form or in solution, and may then be dried without changing the character of the binder employed. The impregnated sheet material may then be shredded, chopped up, ground or otherwise comminuted to provide a loose, fluffy mass of long fibres which are substantially uniformly impregnated with the binder employed. In practicing my invention, I may impregnate a fabric or woven sheet material, of cotton or other fibre, such as duck, muslin, or the like, * * *."

Smith, Patent No. 1,557,730, uses a string impregnated with a resinous binder, and then takes the impregnated string and packs it indiscriminately in the mold.

The Patent Office was of the view that the use of "relatively short lengths of spun fibrous material in stringlike form" as a reinforcing filler for a plastic composition in place of Talley's long fibres, Kempton's shredded canvas, or Smith's long pieces of string, involved

"a mere carrying forward or new or more extended application of the original thought, a change only in form, proportions, or degree, * * *."

Smith v. *Nichols*, 88 U. S. (21 Wall.) 112, 119.

While appellant has produced a moldable composition of greater strength than that of Kempton and greater moldability than that of Smith, we are constrained to rule that the result obtained was merely a change in degree.

The decree, therefore, must be affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE GRIFFITH

No. 3,677. Decided November 30, 1936

PATENTABILITY—DESIGN—REFRIGERATOR CABINET. Design for a refrigerator cabinet or the like *Held* unpatentable over the prior art.

APPEAL from the Patent Office, Affirmed.

Mr. Arthur A. Olson and *Mr. Thorley Von Holst* for Griffith.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.:*

The application here involved is for a design patent on "A Refrigerator Cabinet or the Like." It was rejected by an Examiner in the United States Patent Office whose decision, upon appeal, was affirmed by the Board of Appeals. Appellant thereupon took the instant appeal to this court.

As originally filed, the application was limited in its title to a design for "Compartment Shelving." Both title and text, however, were several times amended following different Patent Office actions, so that in its final form the title reads as has been stated, and the claim reads:

The ornamental design for a refrigerator cabinet or the like, substantially as shown and described.

It is conceded that the shelving in the compartment is the dominant feature of the design, there having been inserted into the final text of the application the following:

The dominant feature of my design is the shelving within the compartment, which shelving comprises intersecting strips or strands extending in non-parallel relation to the sides or edges to form openings of substantially diamond shape as shown. It will be understood that this dominant feature may be employed and embodied in any conventional type of refrigerator cabinet without departing from the spirit and scope of the invention and that it is likewise adapted for embodiment in stove and gas range ovens and the like.

Appellant, or his assignee, on June 5, 1934, secured a mechanical patent (No. 1,961,144) on compartment shelving "to be used for refrigerators, poultry houses, etc., where a perforate plane surface is desired." The application for such a patent was filed October 14, 1933. The instant design application was filed February 12, 1934. So, the two applications of appellant were, for a time, copending.

In the Examiner's statement following the appeal to the Board, he made reference to appellant's mechanical patent, and listed the following as prior art references: Page C–2584 (Fig. No. 304) Sweet's Architectural Catalog, 1926–1927 Edition, Section C; (Des.) Ullin, 47,441, June 8, 1915, 67–3; (Des.) Ullin, 46,707, November 24, 1914, 67–3; (Des.) Bruton, 47,022, March 2, 1915, 67–3; Dickey, 1,833,935, December 1, 1931, 67–3 uxr; Clark, 1,259,210, March 12, 1918, 54–2A uxr; Clark, 767,798, August 16, 1904, 54–2A uxr; Collis, 1,189,919, July 4, 1916, 67–3 uxr.

The Board rendered two decisions, there having been a petition for rehearing. In its first decision all the references listed by the Examiner were set out, but of these specific reference was made only to the patents of Dickey and Clark. The decision made reference to appellant's mechanical patent, but did not specifically base rejection upon it, although there was no overruling of what the Examiner said concerning it. In the second decision the Dickey and Clark patents were again discussed, rejection again being based upon them, and the Board also then, for the first time, specifically held that the invention here claimed is not patentably different from the invention claimed in appellant's mechanical patent. Certain of appellant's reasons of appeal are directed to the point that appellant's mechanical patent may not be utilized as a reference against his design application under the facts appearing in the record.

As has been indicated, the dominant feature of appellant's design is the shelving composed of flattened, expanded metal strips, so crossed as to form diamond shaped openings as arranged in a refrigerator "or the like," the refrigerator itself being of conventional type, such as that shown in the patent to Dickey.

The Board describes the shelving and its arrangement as follows:

The claim is directed to a design for a refrigerator cabinet or the like, substantially as shown and described and as shown, this comprises a conventional refrigerator having shelving therein formed of expanded metal which has been so formed or treated as to make the strands thereof relatively flat. It appears that upon so forming the expanded metal, applicant states that the strips or strands form diamond-shape openings or cavities between them and the strands appear relatively straight. Applicant so illustrates his expanded metal whether or not this would be true of such expanded metal in general.

It may be said that the patent to Dickey, which is directed to mechanical features, not only shows a conventional refrigerator body, but shows a conventional arrangement of the shelves therein, which arrangement differs little from that shown by appellant. The differences actually reside not in the location of the shelving, but in the fact that appellant's metal gratings are, in structure, flattened and are laid so as to form diamond shaped openings, while Dickey's gratings are of round wire or rods and are laid in a manner which results in rectangular openings. The shelvings in both are constructed so that the upper surfaces present plane tops. There is also a difference in the manner in which the respective gratings are attached to the frames forming the respective peripheries, and this element of appellant's device seems to have been recognized as patentable in the mechanical patent. In appearance this difference is not particularly noticeable.

Two Clark patents are cited as references, the one specifically mentioned by the Board being No. 1,259,210, which is for an "Expanded-Metal Frame." It discloses strips of flattened, expanded, metal integrally connected in staggered arrangement, all bent in a common plane and having lugs formed at their ends which are locked into the border. Under the arrangement depicted in Clark's drawings the openings are somewhat oval in shape. The strips do not cross as in the devices of Dickey and appellant, but are integrally connected at their sides, and the top of the device furnishes a plane surface.

The other Clark patent, No. 767,798, discloses, in one of its drawings, a grill-like structure, made of flattened, expanded metal strips, in which grill the openings are substantially diamond shaped. Here again the strips do not cross but are integrally connected at their sides. The top surface is a plane.

Briefly, it was held as to the prior art cited by the Examiner that creating the differences in design between Clark's expanded frame and appellant's shelving, and adapting appellant's shelving to use in a refrigerator, such as that of Dickey's, or the like, did not involve invention.

There were filed as evidence in the case a number of letters, photostatic copies of which appear in the printed record before us, addressed to United States Gypsum Company, assignee of appellant's mechanical patent, by various manufacturers of, respectively, refrigerators, stoves, ranges, ovens, etc., in which appellant's shelving design was strongly approved and commended. A typical one of these letters is that of the General Electric Company, which states, among other things:

The diamond shaped meshes of the shelves give the general appearance of a greater depth and also greatly improve the appearance of the cabinet. We have every reason to believe that this new design is an attractive feature to the prospective purchaser and a great convenience to the user. We feel that the use of these flattened expanded metal shelves in refrigerator cabinets would stimulate sales.

We believe your development of the flattened expanded metal shelving is a distinct contribution to the electric refrigeration industry and to many other products in which it will undoubtedly be used, such as electric ranges, stoves, cabinets, lockers, etc.

Reference is also made in the statement of the Examiner and in the first decision of the Board of Appeals to affidavits. There are no affidavits in the printed record before us, other than the oath to the application, nor are there any accompanying the record.

The comment of the Board with respect to the letters and affidavits is as follows:

The testimonial letters and affidavits are not regarded as controlling in this relation, since they are not directed to a comparison of Clark with applicant's design but stand merely as abstract judgments as to an expanded metal shelving. It does not appear but that Clark's grating would have attracted similar favorable comment if one of equal finish had been presented to the respective parties.

Careful consideration has been given to the elaborate arguments made before us on behalf of appellant, both orally and by brief. The illustrations and comparisons of other design patents, in other fields, together with the numerous judicial decisions cited, have been examined, with the result that we are not convinced that error was committed in rejecting appellant's design application as presenting nothing patentable in its modification of Clark's device and the application of the modified structure to a refrigerator or the like.

In the familiar case of *Gorham Company* v. *White*, 81 U. S. 511, 525, the Supreme Court said of a design patent:

It is the appearance itself, therefore, no matter by what agency caused, that constitutes mainly, if not entirely, the contribution to the public which the law deems worthy of recompense. The appearance may be the result of peculiarity of configuration, or of ornament alone, or of both conjointly, but, in whatever way produced, it is the new thing, or product, which the patent law regards.

In *Smith* v. *Whitman Saddle Company*, 148 U. S. 674, 679, 63 O. G. 912, the Supreme Court said:

The exercise of the inventive or originative faculty is required, and a person cannot be permitted to select an existing form and simply put it to a new use any more than he can be permitted to take a patent for the mere double use of a machine. If, however, the selection and adaptation of an existing form is more than the exercise of the imitative faculty and the result is in effect a new creation, the design may be patentable. [Italics ours].

This court has uniformly followed the rule so laid down by the Supreme Court as to the requirement for the exercise of the inventive or originative faculty, it having been repeatedly pointed out that the design statute reads, "Any person who has *invented* any new, original and ornamental design," etc. [Italics ours]. *In re Mains*, 22 C. C. P. A. (Patents) 1299, 77 F.(2d) 533, 461 O. G. 254, and cases therein cited.

It may readily be conceded that appellant's design, looked at alone and without comparison with any prior art, meets the condition described in the quoted paragraph from the *Gorham Co.* v. *White* case, supra, but when it is compared with the prior art, as was the saddle design involved in the *Smith* v. *Whitman Saddle Company* case, supra, we fail to find that it required the exercise of the inventive or originative faculty to make the slight modifications in the appearance of Clark's devices shown in appellant's shelving, and, as of course, as to design, it did not require invention to adapt the shelving so modified to refrigerators and the like.

Under the view which we hold as to there being lack of invention over the art, excluding entirely appellant's mechanical patent, it is not necessary that we should here discuss or determine the questions presented in his reason of appeal relating to the Board's decision upon the latter element.

Upon the grounds stated, the decision of the Board of Appeals of the United States Patent Office is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,185,394, A. E. Greene, Process of melting scrap metal; 1,449,094, same, Electric iron process; 1,449,319, same. Process of melting and deoxidizing steel, D. C., W. D. Wash., S. Div., Doc. 407–E, *A. E. Greene et al.* v. *Lidgerwood Pacific Co.* Dismissed without prejudice Nov. 27, 1936.

1,306,370, E. L. Broome, Sluice gate; 1,663,406, Holmes & Philips, same, D. C., N. D. Ala. (Birmingham), Doc. 903, *E. L. Broome et al.* v. *Hardie-Tynes Mfg. Co.* Dismissed Nov. 12, 1936.

1,332,545, R. de Filippe, Variable steering device for vehicles; 1,357,491, same, Automatic steering device for vehicles, filed Dec. 7, 1936, D. C., S. D. N. Y., Doc. E 84/201, *The Automatic Toy Corp.* v. *The Buddy "L" Corp.*

1,357,491. (See 1,332,545.)

1,389,067, M. D. Neilson, Undergarment for women; Re. 17,903 (of 1,680,267), same, Process of making garments for women and children, D. C. Minn., 4th Div., Doc. E 2812, *Winget Kic Kernick Co. et al.* v. *The Strutwear Knitting Co.* Consent decree holding claims 1, 2 and 5 of 1,389,067 and claims 1 and 4 of Re. 17,903 valid and infringed, injunction Dec. 2, 1936.

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, filed Dec. 8, 1936, D. C. E. D. N. Y., Doc. E 8182, *Radio Corp. of America et al.* v. *Universal Tube Mfg. Corp. et al.*

1,403,932. (See 1,403,475.)

1,405,173, 1,480,482, H. J. Wheeler, Pumping apparatus; 1,894,234, 1,964,726, G. C. Engstrand, Oil pumping apparatus, C. C. A., 2d Cir., Doc. —, *Salvage Process Corp. et al.* v. *Acme Tank Cleaning Process Corp.* Decree reversed (notice Dec. 7, 1936).

1,405,513, L. P. Hughes, Multiform printing press; 1,405,514, same, Sheet registering device; 1,405,515, same, Printing press, filed Nov. 10, 1936, D. C. N. J., Doc. E 5625, *Hughes Machine Corp.* v. *L. P. Hughes et al.*

1,405,514. (See 1,405,513.) 1,405,515. (See 1,405,513.)

1,405,633, M. O. Smith, Fuel vaporizer for carburetors; 1,477,724, same, Vaporizer, filed Nov. 6, 1936, D. C., E. D. Mo. (St. Louis), Doc. 11,989, *F. W. Ekstein et al.* v. *General Motors Corp.*

1,449,094. (See 1,185,394.) 1,449,319. (See 1,185,394.)

1,477,724. (See 1,405,633.) 1,480,482. (See 1,405,173.)

1,488,656, G. H. Wallace, Chemical heater; 2,040,406, R. E. Reed, Chemical heating composition and method of chemically producing heat; 2,040,407, same, Chemical heating composition, filed Sept. 21, 1936, D. C. Minn. (St. Paul), Doc. E 2908, *The Kendall Co.* v. *Sharon Laboratories, Inc., et al.*

1,507,016. (See 1,403,475.) 1,507,017. (See 1,403,475.)

1,573,374 (a), P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system, filed Dec. 4, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 1065–J, *Radio Corp. of America et al.* v. *B. S. Rothenstein* (*Pathe Radio & Television Co.*).

1,573,374 (b), P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system; 2,052,316, R. E. Sagle, Variable condenser; filed Dec. 8, 1936, D. C., E. D. N. Y., Doc. E 8183, *Radio Corp. of America et al.* v. *Universal Tube Mfg. Corp. et al.*

1,576,213 (a), G. D. Parker, Combined cover press and nailing machine; 1,777,474, same, Machine for applying box straps to containers, D. C., S. D. Calif. (Los Angeles), Doc. E 289–H, *D. Parker et al.* v. *Golden Orange Groves, Inc., et al.* Dismissed without prejudice Dec. 10, 1936.

1,576,213 (b), G. D. Parker, Combined cover press and nailing machine; 1,777,474, same, Machine for applying box straps to containers; 1,715,780, same, Method of securing covers to containers, D. C., S. D. Calif. (Los Angeles), Doc. E Z–28–H, *D. Parker et al.* v. *H. Paxton et al.* Dismissed without prejudice Dec. 10, 1936.

1,576,213 (c), G. D. Parker, Combined cover press and nailing machine; 1,777,474, same, Machine for applying box straps to containers; Re. 19,459, same, Method of securing covers to containers, D. C., S. D. Calif. (Los Angeles), Doc. E 633–M, *D. Parker et al.* v. *H. Paxton et al.* Dismissed without prejudice Dec. 10, 1936.

1,618,017. (See 1,403,475.) 1,663,406. (See 1,306,370.)

1,666,304, B. A. Proctor, Projecting machine; 1,666,305, same, News projection machine; 1,666,306, same, Tension control for ticker tape; 1,666,307, same, Jump absorbing mechanism; 1,910,154, A. D. Eltzen, Tape locking means; 2,045,536, 2,045,539, same, Tape drawing device; 2,045,537, same, Stock quotation projecting machine; 2,017,655, J. W. Decker, Ticker tape controlling means; 2,047,621, same, Pneumatic vibration absorbing device; Re. 19,727, same, Stock quotation projecting machine and method for feeding tape therethrough; 2,030,900, J. A. Spencer, Quotation projecting or analogous apparatus, filed Nov. 18, 1936, D. C., S. D. N. Y., Doc. E 84/134, *Trans-Lux Movie Ticker Corp. et al.* v. *H. A. Libaire et al.* (*Libaire & Co.*).

1,666,305. (See 1,666,304.) 1,666,306. (See 1,666,304.)

1,666,307. (See 1,666,304.) 1,680,267. (See 1,389,067.)

1,707,617. (See 1,573,374 (a) and (b).)

1,715,780. (See 1,576,213 (b).)

1,727,095, L. Bleriot, Aerial advertising and signaling device; 1,794,828, same, Aerial advertising and signaling, filed Nov. 28, 1936, D. C. N. J., Doc. E 5636, *Kellett Autogiro Corp.* v. *F. H. Brohan.* Doc. E 5638, *Kellett Autogiro Corp.* v. *E. P. James.*

1,728,879. (See 1,573,374 (a) and (b).)

1,777,474. (See 1,576,213 (a), (b) and (c).)

1,784,466, O. Rensonnet, Steering sight adapted to be fitted to the wings of the mudguards of motor vehicles; 1,877,428, same, Motor vehicle steering sight, filed Dec. 8, 1936, D. C., S. D. N. Y., Doc. E 84/202, *Casco Products Corp. et al.* v. *Snap-Lite Corp. et al.*

1,794,828. (See 1,727,095.)

1,795,214. (See 1,573,374 (a) and (b).)

1,867,951, H. Paxton, Shook carriage for box making machine; 1,910,633, same, Nail guiding means; 2,008,592, same, Automatic box moving means for lidding machine; 2,017,986, same, Tucker; 2,017,987, same, Automatic fruit tucker; 2,015,455, E. F. Meer, Apparatus for packing fruit, D. C., S. D. Calif. (Los Angeles), Doc. E 795–S, *H. Paxton et al.* v. *D. Parker et al.* Dismissed without prejudice Dec. 10, 1936.

1,877,428. (See 1,784,466.)

1,894,197. (See 1,573,374 (a) and (b).)

1,894,234. (See 1,405,173.) 1,910,154. (See 1,666,304.)

1,910,633. (See 1,867,951.)

1,927,450, G. T. Balfe, Gasket; 1,927,791, same, Method of perforating sheet metal, appeal filed Dec. 7, 1936, C. C. A., 2d Cir., Doc. —, *Detroit Gasket & Mfg. Co.* v. *The Fitzgerald Mfg. Co.*

1,927,791. (See 1,927,450.) 1,936,162. (See 1,403,475.)

1,964,726. (See 1,405,173.)

1,973,126, Tanasso & Pomeranz, Folding oxford eye glasses; 1,978,728, same, Joint structure for folding oxford eye glasses, filed Nov. 21, 1936, D. C. N. J., Doc. E 5634, *Streamline Optical Sales Corp.* v. *L. Jacobitti et al.*

1,976,721. (See Re. 19,922.) 1,978,728. (See 1,973,126.)

2,008,592. (See 1,867,951.) 2,015,455. (See 1,867,951.)

2,017,655. (See 1,666,304.) 2,017,986. (See 1,867,951.)

2,017,987. (See 1,867,951.) 2,030,900. (See 1,666,304.)

2,040,406. (See 1,488,656.) 2,040,407. (See 1,488,656.)

2,045,536. (See 1,666,304.) 2,045,537. (See 1,666,304.)

2,045,539. (See 1,666,304.) 2,047,621. (See 1,666,304.)

2,052,316. (See 1,573,374 (b).)

Re. 17,903. (See 1,389,067.)

Re. 18,579. (See 1,403,475.)

Re. 19,459. (See 1,576,213 (c).)

Re. 19,727. (See 1,666,304.)

Re. 19,922 (of 1,976,721), E. J. Gengler, Stock enclosure and system of electrically charging same, filed Dec. 9, 1936, D. C., E. D. Wis. (Milwaukee), Doc. 5016, *E. J. Gengler et al.* v. *O. Coburn et al.* (*One-Wire Fence Co.*).

Des. 81,823, L. V. Aronson, Combined cigarette container and pyrophoric lighter; Des. 96,639, same, Pyrophoric lighter, filed Dec. 5, 1936, D. C., S. D. N. Y., Doc. E 84/197, *Art Metal Works, Inc.*, v. *National Silver Co., Inc.*

Des. 95,745, Des. 96,183, W. Hoffmann, Chair; Des. 98,518, same, Lounge chair, filed Dec. 8, 1936, D. C. Mo. (St. Louis), Doc. 12,015, *The Howell Co.* v. *Duro Chrome Corp.*

Des. 96,183. (See Des. 95,745.)

Des. 96,639. (See Des. 81,823.)

Des. 98,518. (See Des. 95,745.)

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING DECEMBER, 1936

SUPERIOR OIL WORKS *v.* GALENA MANUFACTURING COMPANY OF ILLINOIS, Cancellation No. 2,574.

In a decision rendered December 3, 1936 (159 Ms. Dec. 813), in the above entitled cancellation, *Assistant Commissioner Frazer* permitted certain exhibits filed by Superior Oil Works, of Warren, Pa., to be returned to a specified notary public for use in taking testimony by the Superior Oil Works under an order of the Examiner of Interferences reopening the interference.

In his decision, after stating the facts and referring to the decision in *Seiler* v. *Goldberg*, 1905 C. D. 162, 116 O. G. 595, in which, under the circumstances present in that case the return of exhibits had been refused, the Assistant Commissioner said:

"In a decision rendered August 31, 1936, this proceeding was reopened for the express purpose of enabling petitioner to take certain additional testimony, and it appears that in order to take full advantage of the privilege thus afforded reference must be made to these exhibits during the examination of witnesses. The exhibits are books of account comprising several hundred pages and some ten thousand entries, and respondent's suggestion that resort be had to photostat copies seems impractical. They are petitioner's records, and respondent does not contradict the assertion that their loss would in no manner prejudice respondent's case. In fact respondent advances no basis whatever for its objection save that the granting of petitioner's requests would be contrary to the Commissioner's decision in *Seiler* v. *Goldberg*, supra. In that case, however, the exhibits sought to be withdrawn where those of an adverse party, and I think that fact affords sufficient distinction from the situation here presented."

JAMES V. REDDY *v.* JOHN T. SCANLON, Trade-Mark Interference No. 2,801.

In a decision rendered December 4, 1936 (159 Ms. Dec. 814), in the above entitled interference, *Assistant Commissioner Frazer* refused to vacate an order made by the Examiner of Trade-Mark Interferences vacating an order made by him dissolving the interference.

In his decision the Assistant Commissioner said:

"Reddy's application for registration was placed in interference with the application of Scanlon, and upon Reddy's showing that the Scanlon application had been assigned to him the interference was dissolved. It developed, however, that a prior assignment from Scanlon to one Schoemann had been recorded in the Patent Office before Reddy's assignment was recorded, and when this situation came to the attention of the Examiner he set aside the order of dissolution and reinstated the interference, observing in his decision that 'in view of these conflicting assignments the application filed by Reddy can only issue to him upon evidence of ownership based on facts other than those contained in these assignments.' It is this latter ruling of which Reddy now complains.

"I think nothing need be added to the foregoing brief statement to demonstrate that the Examiner was clearly right in the action appealed from, and it is accordingly affirmed."

EX PARTE H. C. BOHACK CO., INC., Serial No. 383,715.

In a decision rendered December 4, 1936 (159 Ms. Dec. 815), *Assistant Commissioner Frazer* ruled that where an application for the registration of a trade-mark for sausage was filed it was proper to require that the applicant furnish a label bearing the stamp of approval of the Bureau of Animal Industry.

In his decision the Assistant Commissioner said:

"The registration applied for is of a trade-mark for sausage, and the specimens submitted, 'showing the trade-mark as actually used by applicant upon the goods', appear to be the top sections of cardboard containers with the trade-mark printed directly thereon. I think the Examiner's requirement that one complete carton be furnished is not unreasonable and should not be disturbed.

"Applicant insists that there is no authority for the requirement that approval of its label by the Bureau of Animal Industry be shown. Technically speaking that is perhaps true, but the practice has become firmly established as a matter of comity between two government bureaus. As early as 1923 Commissioner Robertson said, in Ex parte *Dunlevy Packing Co.*, 143 Ms. D. 102:

"'The present practice of requiring such labels to be stamped "approved" has been followed for some time and no good reason is apparent why it should be discontinued, especially in view of the fact that the Department of Agriculture desires that the practice be continued if the Patent Office finds it agreeable and feasible to do so. It is evidently no hardship upon applicant to comply with the requirement'.

"I think that statement still holds true, and I can see no reason for changing the practice there approved."

LEVY BROS. & ADLER ROCHESTER, INCORPORATED, *v.* S. MAKRANSKY AND SONS, Trade-Mark Interference No. 2,588.

In a decision rendered December 7, 1936 (159 Ms. Dec. 816), *Assistant Commissioner Frazer* denied a petition requesting that the jurisdiction of the Examiner of Interferences be restored "for further consideration".

In his decision the Assistant Commissioner stated the pertinent facts as follows:

"Some five months after the declaration of the interference, and after the other party had taken its testimony, petitioner filed a motion to dissolve, the consideration of which the Examiner deferred until final hearing. After final hearing a decision was rendered awarding priority of use to the party Levy Bros. & Adler Rochester, Incorporated, but holding its trade-mark unregistrable because descriptive of its goods. That party appealed to the Commissioner, but petitioner did not. On appeal the Examiner was reversed with respect to the registrability of appellant's mark, and the registration was allowed. The present petition followed."

And then, after noting that petitioner urged that the Examiner of Interferences failed to rule on its motion to dissolve and that a certain decision, rendered since this proceeding had been argued on appeal, would be binding on the Examiner of Interferences on the question of dissolution, he said:

"It is true that the Examiner did not expressly refer to the motion to dissolve in his final decision, but the grounds upon which the motion was based were fully argued in petitioner's brief, and because they went directly to the merits of the controversy were necessarily considered by the Examiner in determining the question of priority. For the same reason all matters presented in the motion to dissolve would necessarily have been reviewable by the Commissioner on appeal had petitioner chosen to avail itself of that remedy; but, as already noted, no appeal was taken, and the Examiner's adverse decision was permitted to become final. Thus I think petitioner clearly waived any right it might otherwise have had to complain of the manner in which its motion was treated. It is also to be noted that the motion to dissolve was not brought within the time prescribed by Rule 54, and the reasons assigned for the long delay are deemed insufficient to satisfy the further requirements of the rule."

CALIFRUIT WINERIES, INC., *v.* CITRUS JUICE AND FLAVOR CO., LTD., Opposition No. 13,304.

In a decision rendered December 12, 1936 (159 Ms. Dec. 818), *First Assistant Commissioner Macklin* held that Califruit Wineries, Inc., of New York, N. Y., had not established a trade-mark use of the term "Califruit" prior to the date of adoption and use by the applicant, Citrus Juice and Flavor Co., Ltd., of Orange, Calif.

He further held that "Califruit" was not such an essential part of the corporate name of Califruit Wineries, Inc., that the Citrus Juice and Flavor Co., Ltd., was barred from registration on that ground.

With respect to the latter question, he said:

"I cannot agree that at the time of the alleged incorporation of Califruit Wineries, Inc. that 'Califruit' could have been the distinguishing or dominant feature of its corporate name. In 1933 'Califruit' taken alone would certainly have meant the applicant company to anyone who had seen or heard the name by reason of the business and the advertising of the applicant. To distinguish the opposer's corporate title from 'Califruit' products of the Citrus Juice and Flavor Co., Ltd., the title must have included the word 'Wineries'.

And then, after stating that opposer having pleaded in his notice of opposition that it is a corporation and that Califruit Wineries, Inc. is its corporate title, the burden was upon it to prove actual incorporation before applicant's filing date, he said:

"In my opinion the evidence given is not the best evidence on that point. However, it need not be specifically ruled upon for the purpose of this decision for the reason that it seems clear that in view of the prior registrations noted, of 'Califruit' and 'Califruita' and in view of applicant's wide use of 'Califruit' on beverages for two or three years prior to the stated use by opposer in its corporate name, that opposer's name to distinguish from the applicant's known and used trade-mark must include the word 'Wineries'. Therefore, the word 'Califruit' should not, under the circumstances, be treated as the dominant feature or distinguishing word of opposer's corporate name."

FRIGIDAIRE CORPORATION *v.* NORTH AMERICAN CAR CORPORATION, Opposition No. 13,042.

In a decision rendered December 24, 1936 (159 Ms. Dec. 822), *Assistant Commissioner Frazer* held that while the opposition by the Frigidaire Corporation, of Dayton, Ohio, to the registration by North American Car Corporation, of Chicago, Ill., of the term "Frigicar", as applied to railroad cars was properly dismissed, the applicant, North American Car Corporation, is not entitled to register the term since it is merely descriptive of the goods.

In his decision, after noting opposer's position that it is only in the event that it should be determined that applicant is otherwise entitled to its registration that the notice of opposition need be considered, the Assistant Commissioner said that it was unnecessary to discuss the several questions involved in the opposition other than to say that he deemed they were all properly disposed of by the Examiner of Interferences.

He then noted that while the goods were described in the application for registration as railroad cars, it appears that the mark was used only on mechanically controlled refrigerator cars and that the Examiner of Trade-Mark Interferences had deemed that applicant had made no trade-mark use of the goods since they were merely leased and not sold.

He then said:

"I am unable to agree with the Examiner's conclusion, nor do I think the cases relied on in support thereof are applicable. Those were all cases in which the purported owner of the mark had failed to apply it to a commodity in which he was dealing commercially as such. The mere fact that one employs an article of commerce in his business and brands it with his trade name is of course insufficient to constitute a trade-mark use of the name; but that is not the situation here. The Trade-Mark Act provides for the registration of marks 'used in commerce', and I think the leasing of merchandise bearing the owner's trade-mark is a use in commerce of the mark, just as truly as would be the sale of such merchandise."

He then cited the decision in *Vulcan Steam Shovel Co.* v. *Flanders*, 205 Fed. 102, in which the court had held that the leasing of a steam shovel which resulted in transportation from one State to another was a transaction in interstate commerce; and also the case of *Butler Bros. Shoe Co.* v. *United States Rubber Co.*, 156 Fed. 1, in which the Circuit Court of Appeals for the Eighth Circuit had reached a similar conclusion with respect to certain factorage contracts between citizens of different States.

He then said:

"The rule announced in this latter case, which has been expressly approved by the Supreme Court of the United States on at least two occasions (*International Textbook Co.* v. *Pigg*, 217 U. S. 91, and *Furst* v. *Brewster*, 282 U. S. 493), is stated in the opinion as follows:

"'Nor is the fact that these contracts did not evidence sales of the goods determinative of this question. A sale is not the test of interstate commerce. All sales of sound articles of commerce, which necessitate the transportation of the goods sold from one State to another, are interstate commerce; but all interstate commerce is not sales of goods. Importation into one State from another is the indispensable element, the test, of interstate commerce; and every negotiation, contract, trade, and dealing between citizens of different States, which contemplates and causes such importation, whether it be of goods, persons, or information, is a transaction of interstate commerce.'"

and said:

"Applying that rule to the facts before me I have no hesitancy in holding that when applicant leased its cars to others it was engaged in commerce, and that when, pursuant to such leases, the cars were moved from the State of their origin, interstate commerce was involved. It follows of course that the notation impressed upon the goods, were it capable of trade-mark appropriation for such goods, would be registrable to applicant."

He then held that the mark was not registrable because merely descriptive and said:

"'Frigicar' is merely a contraction of 'frigid car', and would necessarily be so understood by the average individual. Applicant's mark is therefore nothing more than the name of its goods in combination with the adjective most aptly describing their distinguishing characteristic. The registration of such marks is expressly prohibited by section 5 of the Trade-Mark Act."

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 26, 1937

[VOL. 474. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 383,485. H. SAKANOVSKY & SONS, INC., Chicago, Ill. Filed Sept. 21, 1936.

Cham-o-Tex

For Chamois Skin.
Claims use since Sept. 3, 1936.

Ser. No. 385,184. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Nov. 5, 1936.

NELIO

For Purified Gum, Thus, Rosin, and Limed Rosin.
Claims use since Aug. 17, 1934.

Ser. No. 385,316. UNITED MINK PRODUCERS' ASSOCIATION, Fort Atkinson, Wis. Filed Nov. 9, 1936.



The words "Superior Quality" are disclaimed apart from the mark as shown.
For Cured Mink Pelts.
Claims use since Oct. 1, 1935.

CLASS 2

Receptacles

Ser. No. 385,633. KEYES FIBRE COMPANY, Waterville, Maine. Filed Nov. 17, 1936.

KYSFLAT

For Molded Pulp Packing Devices—Namely, Egg Flats and Packing Sheets for Fragile Articles.
Claims use since Oct. 16, 1936.

Ser. No. 385,634. KEYES FIBRE COMPANY, Waterville, Maine. Filed Nov. 17, 1936.

KYSPAD

For Molded Pulp Packing Devices—Namely, Egg Flats and Packing Sheets for Fragile Articles.
Claims use since Oct. 16, 1936.

Ser. No. 385,918. WESTERN CONTAINERS, INC., Seattle, Wash. Filed Nov. 23, 1936.

SAFE WAY

For Containers for Baby Chicks.
Claims use since 1930.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 386,245. COLUMBIA PLUSH & PUFF CO., INC., Brooklyn, N. Y. Filed Dec. 3, 1936.

Skipper

For Hand Bags and Pouches.
Claims use since January, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 382,397. THE SLICK-SHINE CO. INC., Newark, N. J. Filed Aug. 20, 1936.



The words "Seal of Guarantee", "Shine", and "Shine Products" are disclaimed apart from the mark as shown.
For Metal Polish, Silver Polish, and Glass Cleaner and Polish.
Claims use since 1900.

Ser. No. 384,539. DAVID B. LESSER, doing business as The Benzofoam Products Co., Chicago, Ill. Filed Oct. 19, 1936.

BENZOFOAM

For Dry Cleaning Soap.
Claims use since Jan. 1, 1910.

Ser. No. 384,925. THE J. B. FORD COMPANY, Wyandotte, Mich. Filed Oct. 29, 1936.

Chippewa Flakes

The word "Flakes" is disclaimed apart from the mark shown.
For Cleaning Compound Characterized by the Possession of Water Softening Properties.
Claims use since October, 1935.

Ser. No. 385,097. MOE D. HOROWITZ, Atlanta, Ga. Filed Nov. 3, 1936.



For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel; Soap Powder for Bathing, Washing and Cleaning Purposes; Laundry Soaps, Soap Flakes, Hand Soaps, Toilet Soaps, Soap Pastes, Washing Tablets, Bath Soap Tablets, and Shampoo Soaps.
Claims use since May, 1935.

Ser. No. 385,440. LULU HOWARD, McAndrews, Ky. Filed Nov. 12, 1936.

Lula's HOUSEHOLD Cleaner

The expression "Household Cleaner" is disclaimed apart from the mark as shown.
For Household Cleaner.
Claims use since Nov. 10, 1936.

Ser. No. 385,459. H. KIRK WHITE & Co., Oconomowoc, Wis. Filed Nov. 12, 1936.



The words "Hand Cleaner" are disclaimed apart from the mark as shown.
For Powdered Hand Cleaner.
Claims use since Sept. 15, 1936.

CLASS 5

Adhesives

Ser. No. 336,100. THE AULT & WIBORG COMPANY, New York, N. Y., now by judicial change of name to Ault & Wiborg Carbon & Ribbon Co., Inc. Filed Mar. 27, 1933. Under section 5b of the act of 1905 as amended in 1920.

AULT & WIBORG

For Mucilage and Library Paste.
Claims use since March, 1920.

Ser. No. 385,280. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Nov. 9, 1936.

CORAGUM

For Combination of Dry Starches Used as an Adhesive in Paste Form.
Claims use since Sept. 12, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 369,568. FLORASYNTH LABORATORIES, INC., New York, N. Y. Filed Sept. 21, 1935.



The words "Trade Mark", "Purity", and "Uniformity" are disclaimed apart from the mark.
For Food Colors, Perfume Raw Materials, Perfume Oil Concentrates, Naturual Floral Isolates, and Synthetic Organic Chemicals, Particularly Aromatics.
Claims use since May, 1916.

Ser. No. 370,370. EDWARD C. WILLIAMS, doing business as Nocto Laboratories, Armorel, Ark. Filed Oct. 14, 1935.

NOCTO



For Preparation for the Treatment of Tricophytosis Commonly Called Athlete's Foot, Toe Itch, and the Like Ailments of the Foot.
Claims use since July, 1934.

Ser. No. 371,031. HENEX, S. A., Mexico, D. F., Mexico. Filed Oct. 31, 1935.

HENEX

For Preparation for Removing Oxide and Rust Particularly From the Inside of Boilers and Radiators.
Claims use since Jan. 1, 1933.

Ser. No. 374,976. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 18, 1936.

ORAVAX

For Preparation for Internal Administration and Being in the Nature of a Vaccine or Serum for the Treatment of Colds, Pneumonia, Influenza, Catarrh, and Respiratory Ailments.
Claims use since Feb. 4, 1936.

Ser. No. 377,784. J. H. ERBRICH PRODUCTS CO., Indianapolis, Ind. Filed Apr. 29, 1936.

HY-CLO

For Sodium Hypochlorite Solution for Use as a Bleach, Germicide, and Disinfectant, and for Washing and Laundering Articles.
Claims use since Mar. 15, 1936.

Ser. No. 378,573. HENRY P. LIVESEY, doing business as Morlax, Kearny, N. J. Filed May 18, 1936.

MORLAX

For Medicine for Constipation, Headache, or Biliousness Due to Constipation, Gas on Stomach, Indigestion, Heartburn, and a Stimulant to the Appetite.
Claims use since May 1, 1936.

Ser. No. 378,603. OTTO H. KUETHER, doing business as Guy Rub Lab., Herington, Kans. Filed May 20, 1936.



The word "Rub" is disclaimed apart from the mark shown.
For Preparation for Colds.
Claims use since Sept. 1, 1931.

Ser. No. 378,651. CILLI EHRLICH, doing business as J. EHRLICH, Munich, Germany. Filed May 20, 1936.

Eryl

For Insecticides.
Claims use since July 10, 1912.

Ser. No. 378,917. GOULARD & OLENA, INC., New York, N. Y. Filed May 28, 1936.

G&O MOTH DEODORANT

The words "Moth Deodorant" are disclaimed apart from the mark.
For Moth-Deodorant Preparation.
Claims use since July, 1925.

Ser. No. 379,524. MASAO KAWAHARA, doing business as Kawahara Co., Los Angeles, Calif. Filed June 10, 1936.



The first five characters appearing on the drawing reading from the bottom upwardly are pronounced in Japanese "Derris Sekken". The words "Derris Sekken" are disclaimed when used separate and apart from the other features of the mark as shown in the drawing.
For Insecticide.
Claims use since Sept. 24, 1931.

Ser. No. 379,921. JOSEPH B. BENDER, doing business as Benco Products, New York, N. Y. Filed June 16, 1936.

Glo-foam



The drawing is lined for red.
For Cream Shampoo.
Claims use since May, 1935.

Ser. No. 379,923. JOSEPH B. BENDER, doing business as Benco Products, New York, N. Y. Filed June 16, 1936.

Slik



The drawing is lined for green.
For Depilatory Cream.
Claims use since May, 1935.

Ser. No. 380,181. ALBERT ALBEK, INC., Los Angeles, Calif. Filed June 25, 1936.

IVO CERA

The word "Cera" is disclaimed apart from the mark as shown.
For Wax in Solid Form Which is Soluble in Water and Used in the Preparation of Creams Such as Cold Cream, All-Purpose Cream, Vanishing Cream, and Brushless Shaving Cream.
Claims use since May 1, 1936.

Ser. No. 381,018. A. BUCHHOLTZ CO., INC., doing business as Cabiria Co., New York, N. Y. Filed July 15, 1936.

CABIRIA



The portrait is fanciful. The drawing is lined for red.
For Hair Dressing, Hair Coloring, and Hair Shampoo.
Claims use since 1911.

Ser. No. 381,250. ST ELMO ABERNATHY, Berkeley, Calif. Filed July 18, 1936.

TRADE Abernathy's MARK
Artemia Saline
Compound for making
Isotonic Physiologic
Brine shrimp solution.

All wording except "Abernathy's" is disclaimed apart from the mark as shown.
For Artemia Saline Compound for Making Isotonic Physiologic Brine Shrimp Solution.
Claims use since Aug. 30, 1935.

Ser. No. 382,364. JULIUS P. TONDAT, doing business as J. Tondat Company, Hartford, Conn. Filed Aug. 19, 1936.

J. T.

For Insecticides.
Claims use since June 5, 1936.

Ser. No. 383,104. NAAMLOOZE VENNOOTSCHAP PHARMACEUTISCHE FABRIEK A. MIJNHARDT, Zeist, Netherlands. Filed Sept. 10, 1936.

AMILDA

For Creams, Oils, and Powders for the Care of the Skin; Compact Powder; Rouge; Lipsticks and Eyebrow Pencils; Nail Lacquer; Nailwater; Lotions for the Skin; Creams, Oils, Powders and Pomades for the Care of the Hair; Brilliantine; Lotions for the Care and Restoration of the Hair; Preparations for Stimulating the Growth of Hair; Dentifrices in Creams, Paste, and Powder Form; Disinfectant Solutions for the Mouth and Teeth and Mouth Washes.
Claims use since Jan. 1, 1934.

Ser. No. 383,398. MULFORD COLLOID LABORATORIES, Philadelphia, Pa. Filed Sept. 18, 1936.

IDOCOL

For Solution of Iodine in Colloidal Form Comprising a Powerful Fungicide for Use in Acute and Chronic Affections of the Eye, Ear, Nose, and Throat, Suppurative Wounds, Abscesses, Septicemia, Gonorrhoeal and Chronic Cystitis, Septic Condition of the Mouth, Riggs' Disease, Tonsillitis, Quinsies, Leucorrhea, Gonorrhea, Prostatic Gleet, and as a Prophylactic and Curative in Influenza and Catarrhal or Purulent Conditions of the Mucuous Membranes.
Claims use since Sept. 1, 1921.

Ser. No. 383,499. ANTHONY E. LAVETT, doing business as Marvolene Company, Los Angeles, Calif. Filed Sept. 21, 1936.



For Preparation for the Hair and Scalp.
Claims use since July 29, 1936.

Ser. No. 383,751. SACHSISCHES SERUMWERK, AKTIENGESELLSCHAFT, Dresden, Germany. Filed Sept. 28, 1936.

Glycuretten

For Reagent for Determining Sugar in Urine.
Claims use since July, 1934.

Ser. No. 383,868. DR. BALLOWITZ & CO. CHEMISCH-PHARMAZ. FABRIK G. M. B. H., Berlin-Pankow, Germany. Filed Oct. 2, 1936.



The representation of the split-tablet and the words "Spalt-Tabletten" are disclaimed apart from the mark as shown.
For Preparation for the Treatment of Headache.
Claims use since 1932.

Ser. No. 383,984. OTIS CLAPP & SON, INC., Boston, Mass. Filed Oct. 5, 1936.

SACLETS

For Sweetening Tablets Made of Saccharin.
Claims use since April, 1914.

Ser. No. 384,405. EDWARD G. BUSH, Los Angeles, Calif. Filed Oct. 16, 1936.

BROTOL

For Hair Tonic.
Claims use since Jan. 1, 1935.

Ser. No. 384,593. METHANTHIN LABORATORIES, Glendale, Calif. Filed Oct. 20, 1936.

COMPTAB

No claim is made to the representation of the tablet.

For Medicinal Preparation for Heart Trouble.

Claims use since Sept. 8, 1936.

Ser. No. 384,687. NU-RO-NO PRODUCTS COMPANY, Warren, Ohio. Filed Oct. 21, 1936.

NU-RO-NO

For Ointments for Skin Diseases, Eczema, Burns, Cold Sores, Poison Ivy, Athlete's Foot, Mashed Fingers, Cuts, Bruises, and Any Skin Abrasions, and Salves.

Claims use since Jan. 1, 1936.

Ser. No. 384,724. TYLER LABORATORIES, INC., New York, N. Y. Filed Oct. 23, 1936.

Io-Food Φ

The word "Food" is disclaimed apart from the mark as shown.

For Alterative Food Supplement—a Compound Solution of Iodine with Protein Material to Make it Non-Irritating and Readily Assimilable.

Claims use since June 30, 1934.

Ser. No. 384,733. ERNST BISCHOFF COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 24, 1936.

ROTBI

For Medicine in Ampule Form for Intramuscular Injection Containing a Compound of Bismuth as its Active Principle Used in the Treatment of Syphilis.

Claims use since Jan. 20, 1936.

Ser. No. 384,747. FREDERICK C. HERSCHEL, doing business as American Pentosin Company, River Edge, N. J. Filed Oct. 24, 1936.

PENTOSIN

For Cod Liver Oil Emulsion for Use in Feeding Poultry, Pigs, Cattle, and Livestock.

Claims use since July 7, 1936.

Ser. No. 384,752. THE LATIMER-GOODWIN CHEMICAL COMPANY, Grand Junction, Colo. Filed Oct. 24, 1936.

PETROCIDE

For Horticultural Sprays and Chemicals Therefor Destructive of Plant Parasites.

Claims use since July 1, 1936.

Ser. No. 384,835. SCHIAPARELLI, SOCIÉTÉ ANONYME, Paris, France. Filed Oct. 29, 1936.



For Perfumes, Toilet Waters, Rouge, Lipstick, and Face Creams.

Claims use since Aug. 30, 1936.

Ser. No. 384,932. RAYO CHEMICAL CORPORATION, doing business as Minute Products Co., Brooklyn, N. Y. Filed Oct. 29, 1936.

RAYO

For a Salve for the Relief of Cough, Colds, Headaches, Neuralgia, Rheumatic or Muscular Pains, Local Congestion and Irritation, Sunburn, Insect Bites, Burns and Scalds; Nose and Throat Drops, Liniment for Rheumatic Pains and Strains, Antiseptic Mouth Wash and Deodorant, Laxative Mineral Oil, Bath and Foot Powder, Skin and Scalp Ointment, Tooth Powder, and Petrolatum.

Claims use since Sept. 17, 1934.

Ser. No. 385,023. JAMIL AKHTAR, doing business as Taj Perfume Co. and East & West Herbs Laboratory, Detroit, Mich. Filed Nov. 2, 1936.

ROO-HEE

For Medicinal Preparation for the Treatment of Rheumatism, Constipation, Biliousness, Blood, Nerves, Kidney, Liver, Indigestion, Stomach Trouble, Headache, Gout, La Grippe, General Weakness, Rundown System, and Other Interior Disorders.

Claims use since November, 1931.

Ser. No. 385,118. SOPHIE DADAS, doing business as Mrs. Drosiou, Milwaukee, Wis. Filed Oct. 29, 1936.

Drosiou

For Cold Cream, Tissue Cream, and Face Cream.

Claims use since Sept. 8, 1936.

Ser. No. 385,195. THE NESTLE-LE MUR COMPANY, New York, N. Y. Filed Nov. 5, 1936.

Nestyle

For Preparation for Use in Waving Hair—Namely, a Permanent Waving Solution.

Claims use since Oct. 15, 1936.

Ser. No. 385,269. E. R. SQUIBB & SONS, New York, N. Y. Filed Nov. 7, 1936.

PHENOLOR

For Antiseptic and Germicides.

Claims use since Oct. 27, 1936.

Ser. No. 385,382. ADHESIVES, INC., Cleveland, Ohio. Filed Nov. 11, 1936.

STEROKLEAN

The word "Klean" is disclaimed apart from the mark as shown.

For Solution for Removing Rust and Scale from Radiators, Sterilizers, and the Like.

Claims use since Aug. 19, 1936.

Ser. No. 385,421. HOWARD R. NEILSON, doing business as Neilson Chemical Company, Detroit, Mich. Filed Nov. 11, 1936.

SOLDERPREP

For Chemical Preparation for Removing Light Scale, Rust, Grease, and Other Foreign Matter from the Surface of Metal to Condition Such Surface for Subsequent Tinning or Soldering Operations.

Claims use since June, 1935.

Ser. No. 385,429. VAPYRE CORPORATION, Brewster, N. Y. Filed Nov. 11, 1936.

Vapyre

For Bottled or Packaged Gas for Heating and Cooking Purposes.

Claims use since November, 1929.

Ser. No. 385,444. MAGIC-LAX CORP., Newark, N. J. Filed Nov. 12, 1936.

Magic

For Aspirin Tablets, Cold Tablets, Milk of Magnesia Tablets.

Claims use since Mar. 15, 1933.

Ser. No. 385,457. H. KIRK WHITE & Co., Oconomowoc, Wis. Filed Nov. 12, 1936.

BACTOLINE

For Non-Poisonous Disinfectant for Use in Disinfecting Ice Boxes, Milk Machinery, and Other Such Usages.

Claims use since November, 1926.

Ser. No. 385,519. HERCULES POWDER COMPANY, Wilmington, Del. Filed Nov. 14, 1936.

CLORAFIN

For Liquid, Waxy Substance Used as a Plasticizer and Softening Agent for Plastic Materials Such as Rubber, Nitrocellulose, Cellulose Acetate, Etc.

Claims use since Oct. 27, 1936.

Ser. No. 385,522. BYRON A. KREBS, doing business as San Francisco Pharmacal Co., San Francisco, Calif. Filed Nov. 14, 1936.

ELLENE

For Preparations for Use in Feminine Hygiene in Powder, Jelly, and Suppository Form.

Claims use since Sept. 16, 1936.

Ser. No. 385,535. NORTHWEST LABORATORIES, Davenport, Iowa. Filed Nov. 14, 1936.

G. C. Spretzer.

Trade-mark is the facsimile signature of one of the partners.

For Cough Syrup.

Claims use since Oct. 29, 1936.

Ser. No. 385,545. MEYER S. GLAUSER, doing business as Acnesolv Laboratories, Philadelphia, Pa. Filed Nov. 14, 1936.

RECTRONS

For Rectal Suppositories.

Claims use since Oct. 23, 1936.

Ser. No. 385,553. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Nov. 16, 1936.

Gonadogen

For Medicinal Preparation of the Anterior Pituitary-Like Gonadotropic Hormone Used in the Treatment of Hypogenitalism.

Claims use since Oct. 14, 1936.

Ser. No. 385,556. CARUS CHEMICAL CO., INC., La Salle, Ill. Filed Nov. 16, 1936.

ATOMITOL

For Photo Developers.

Claims use since May 1, 1936.

Ser. No. 385,557. CARUS CHEMICAL CO., INC., La Salle, Ill. Filed Nov. 16, 1936.

Finegrainol

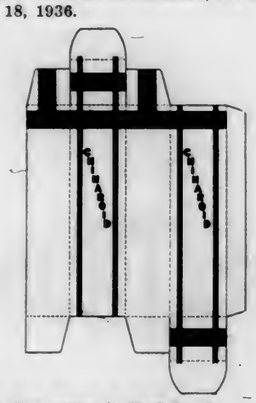
For Photo Developers.
Claims use since June 15, 1936.

Ser. No. 385,602. PARFUMERIE ST. DENIS, New York, N. Y. Filed Nov. 16, 1936.

Gay Nineties

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Nov. 10, 1936.

Ser. No. 385,692. THE KNOX COMPANY, Los Angeles, Calif. Filed Nov. 18, 1936.



The outline of a carton is disclaimed.
For Preparations Used in and for the Treatment and to Relieve the Irritation and Pain of Bunions, Burns, Chafed Skin, Chapped Skin, Hemorrhoids, Insect Bites, Piles, Scratches, Tired Feet, and Other Furuncular and Inflammatory Conditions.
Claims use since Apr. 1, 1930.

Ser. No. 385,697. PARFUMERIE ST. DENIS, New York, N. Y. Filed Nov. 18, 1936.

Syncopation

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Nov. 16, 1936.

Ser. No. 385,716. LYNN G. ALBEE, doing business as Zoe Pharmacal Company, Painesville, Ohio. Filed Nov. 19, 1936.

SIRTEN

For Cold Capsules.
Claims use since March, 1929.

Ser. No. 385,721. BOYER CHEMICAL LABORATORY CO., INC., doing business as Boyer Chemical Works, Chicago, Ill. Filed Nov. 19, 1936.

RED CROWN

For Lye.
Claims use since Oct. 7, 1936.

Ser. No. 385,733. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Nov. 19, 1936.

AIROL

For Bismuth Oxyiodo-Gallate, a Powder for Use in Treating Wounds and for Hemorrhoidal Suppositories.
Claims use since July 15, 1894.

Ser. No. 385,739. E. T. KREBS, doing business as Betazyme Company, San Francisco, Calif. Filed Nov. 19, 1936.

BETAZYME

For Capsules for Intestinal Fermentation and Putrefaction.
Claims use since Aug. 5, 1936.

Ser. No. 385,749. NATHAN B. RAICH, doing business as Azmide Co., Philadelphia, Pa. Filed Nov. 19, 1936.

AZMIDE

For Medicinal Preparations for the Relief of Asthma and Other Ailments of the Respiratory Organs.
Claims use since Apr. 11, 1936.

Ser. No. 385,856. THE NATIONAL DRUG COMPANY, Philadelphia, Pa. Filed Nov. 21, 1936.

LOOKASINE

For Vaginal Douche Powder, Intended to be Dissolved in Water Before Use.
Claims use since 1929.

Ser. No. 386,029. HIRESTRA LABORATORIES, INC., New York, N. Y. Filed Nov. 27, 1936.

ENDOCREME

For Skin Cream.
Claims use since Sept. 30, 1936.

Ser. No. 386,076. GENERAL COSMETICS CORPORATION, New York, N. Y. Filed Nov. 28, 1936.

STYP

•TEX

For Styptic Cream.
Claims use since Nov. 20, 1936.

Ser. No. 386,084. ROBERT RICHMAN, New York, N. Y. Filed Nov. 28, 1936.



The container of the goods and the words "Hair Aid" apart from the mark shown are disclaimed.
For Hair and Scalp Preparation.
Claims use since Nov. 12, 1936.

Ser. No. 386,095. THE BLUE LINE CHEMICAL COMPANY, St. Louis, Mo. Filed Nov. 30, 1936.

MERCONYL

For Antiseptic.
Claims use since Sept. 19, 1935.

Ser. No. 386,215. THE LUCIDIN COMPANY, INC., New York, N. Y. Filed Dec. 2, 1936.

Lucidin

For Eye Lotion.
Claims use since Nov. 12, 1936.

CLASS 10

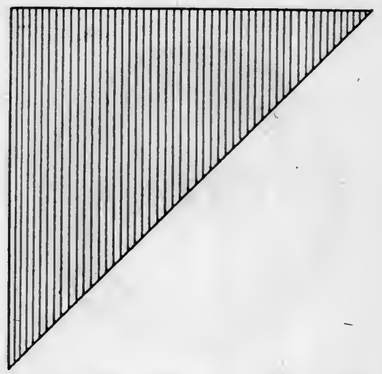
Fertilizers

Ser. No. 384,584. BEN FERN SONS, Terrace Park, Ohio. Filed Oct. 20, 1936.

BLACK MAGIC

For Fertilizers.
Claims use since June 1, 1936.

Ser. No. 384,942. WUICHET PRODUCTS, INC., Dayton, Ohio. Filed Oct. 29, 1936.



The drawing is lined for red.
For Fertilizers.
Claims use since 1887.

CLASS 11

Inks and Inking Materials

Ser. No. 386,242. HENRY S. BLUMENTHAL, Jackson Heights, N. Y. Filed Dec. 3, 1936.

"BUCK AND A HALF RIBBON"

The word "Ribbon" is disclaimed apart from the mark.
For Typewriter and Other Inked Ribbons.
Claims use since July 1, 1936.

CLASS 12

Construction Materials

Ser. No. 381,740. SCHNEIDER BRICK & TILE CO. INC., New Orleans, La. Filed July 29, 1936.

CREOLE

ROOFING TILE

The words "Roofing Tile" are disclaimed apart from the mark shown.
For Clay Roofing Tile.
Claims use since June 23, 1936.

Ser. No. 384,985. UNIVERSAL INSULATION COMPANY, Chicago, Ill. Filed Oct. 30, 1936.

UNIPLASTIC

For High Temperature Thermal Insulating Cement.
Claims use since Sept. 28, 1936.

Ser. No. 385,214. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill. Filed Nov. 6, 1936.



The words "Fredonia Portland Cement" and "Fredonia, Kansas" are disclaimed apart from the mark. The drawing is lined for orange.
For Portland Cement.
Claims use since 1925.

Ser. No. 385,222. FLORIDA PORTLAND CEMENT COMPANY, Chicago, Ill. Filed Nov. 6, 1936.



The words "Florida Portland Cement" are disclaimed apart from the mark as shown. The drawing is lined for red and green.
For Portland Cement.
Claims use since 1927.

Ser. No. 385,237. SIGNAL MOUNTAIN PORTLAND CEMENT COMPANY, Chicago, Ill. Filed Nov. 6, 1936.



The words "Portland Cement" are disclaimed apart from the mark as shown. The drawing is lined for red and blue.
For Portland Cement.
Claims use since 1923.

Ser. No. 385,238. TRINITY PORTLAND CEMENT COMPANY, Chicago, Ill. Filed Nov. 6, 1936.



The drawing is lined for red and blue.
For Portland Cement.
Claims use since 1901.

Ser. No. 386,065. THE CELOTEX CORPORATION, Chicago, Ill. Filed Nov. 25, 1936.

Calistone

For Structural Heat Insulation and Acoustical Materials.
Claims use since Oct. 25, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 385,968. WILLIAM JENNINGS BUTTS, New York, N. Y. Filed Nov. 25, 1936.

JAY-WAY

For Door Holders.
Claims use since March, 1936.

CLASS 15

Oils and Greases

Ser. No. 385,075. TRIPLEX OIL REFINING COMPANY, INC., Long Island City, N. Y. Filed Nov. 2, 1936.

MID-PENN

The word "Penn" is disclaimed apart from the mark shown.
For Motor Lubricating Oils.
Claims use since Feb. 1, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 374,548. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Feb. 7, 1936.

AZO 50

For Zinc Oxide for Use as Paint Pigment.
Claims use since Dec. 30, 1935.

Ser. No. 380,345. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo. Filed June 27, 1936.

Duralustre

For Paint, Enamels, Varnishes, and Varnish Stains.
Claims use since Dec. 17, 1935.

Ser. No. 383,192. THE ALABASTINE COMPANY, Grand Rapids, Mich. Filed Sept. 8, 1936.



LIBRARY OF ATLANTA

The drawing is lined for red and yellow.
For Ready-Mixed, Paste, and Powder Paints, Varnishes, Paint Enamels, Paint Colors, Paint Stains, and Paint Sizings.
Claims use since Mar. 5, 1936.

Ser. No. 385,681. IRONHARD PAINT & COLOR WORKS, LTD., Los Angeles, Calif. Filed Oct. 30, 1936.

IROLITE

For Ready-Mixed, Paste, and Powder Form Paints, Varnishes, and Paint Enamels.
Claims use since Jan. 1, 1933.

Ser. No. 385,360. THE MAHONING PAINT & OIL COMPANY, Youngstown, Ohio. Filed Nov. 10, 1936.

PERMANAMEL

For Ready-Mixed House Paint in Paste Form, Varnish, Paint Enamel, Paint Mixing Oils, and a Liquid Mixing Compound for Thinning Paste Paints.
Claims use since Oct. 30, 1935.

Ser. No. 385,499. VALENTINE & COMPANY, New York, N. Y. Filed Nov. 13, 1936.

RACEHARD

For Ready-Mixed Paints.
Claims use since Oct. 10, 1936.

CLASS 17

Tobacco Products

Ser. No. 383,922. FERNANDEZ, PALICIO Y COMPANIA, S. EN C., Habana, Cuba. Filed Oct. 3, 1936.

MONTERREY

For Cigars.
Claims use since 1865.

Ser. No. 384,544. MAZER-CRESSMAN CIGAR CO., Detroit, Mich. Filed Oct. 19, 1936.

Burdick's

COUNSELLOR

For Cigars.
Claims use since Jan. 1, 1887.

Ser. No. 384,545. MAZER-CRESSMAN CIGAR CO., Detroit, Mich. Filed Oct. 19, 1936.

COUNSELLOR

For Cigars.
Claims use since Jan. 30, 1894.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 378,901. PACIFIC CAR AND FOUNDRY COMPANY, Seattle and Renton, Wash. Filed May 26, 1936.

PACIFIC Steelcoach BODIES

The words "steel", "coach", and "bodies" are disclaimed except as shown.
For Bus Bodies.
Claims use since May 2, 1936.

Ser. No. 384,444. BLUE RIBBON SKOOT-MO-BILE, Chicago, Ill. Filed Oct. 17, 1936.

BLUE RIBBON
SKOOT-MO-BILE

For Motor-Driven Bicycles.
Claims use since Oct. 1, 1936.

Ser. No. 384,992. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Oct. 31, 1936.

CASCO

For Brake Lever Extensions, Steering Wheel Knobs, and Gear Shift Balls.
Claims use since May 28, 1934, on brake lever extensions; since Feb. 6, 1936, on steering wheel knobs; since May 28, 1930, on gear shift balls.

Ser. No. 386,039. CLARENCE M. LUTES, doing business as The Kozy Coach Co., Kalamazoo, Mich. Filed Nov. 27, 1936.

KLIPPER

For Trailers.
Claims use since Jan. 25, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 380,805. TRIANGLE ELECTRIC CO., Chicago, Ill. Filed July 8, 1936.

APOLLO

For Electrical Appliances—Namely, Irons, Toasters, Percolators, Waffle Irons, Electrically Heated Vacuum Type Coffee Makers, Fans, Roasters, Food Mixers, Vacuum Cleaners, Radio Receiving Sets, Radio Tubes, Television Receiving Sets, Dry Cell and Storage Batteries.
Claims use since Jan. 1, 1925.

Ser. No. 384,738. FARNSWORTH TELEVISION INCORPORATED, San Francisco, Calif. Filed Oct. 24, 1936.

DISSECTOR

For Thermionic Tubes and Electron Discharge Devices.
Claims use since Jan. 1, 1935.

Ser. No. 384,739. FARNSWORTH TELEVISION INCORPORATED, San Francisco, Calif. Filed Oct. 24, 1936.

OSCILLIGHT

For Thermionic Tubes and Electron Discharge Devices.
Claims use since Jan. 1, 1935.

Ser. No. 384,740. FARNSWORTH TELEVISION INCORPORATED, San Francisco, Calif. Filed Oct. 24, 1936.

MULTIPACTOR

For Thermionic Tubes and Electron Discharge Devices.
Claims use since Jan. 1, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 380,856. ALLIED GOLF CORPORATION, Chicago, Ill. Filed July 10, 1936.

TURF-KING

For Golf Clubs.
Claims use since Jan. 1, 1932.

Ser. No. 386,264. HARLEY J. MCALLISTER, St. Paul, Minn. Filed Dec. 3, 1936.

HI-GOAL POLO

For Game Played with Cards, Dice, and Pawns.
Claims use since Apr. 8, 1936.

Ser. No. 386,343. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

"EXPERT-FANCY"

For Billiard Cues.
Claims use since Oct. 15, 1936.

Ser. No. 386,678. HARRY N. DRUCKER, Cincinnati, Ohio. Filed Dec. 12, 1936.

ZEPHYR

For Roller Skates.
Claims use since Sept. 6, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 371,577. AMERICAN FORDIGRAPH CORPORATION, New York, N. Y. Filed Nov. 15, 1935.

DUPLICATES
Fordigraph
AS DESIRED

The words "Duplicates" and "As Desired" are disclaimed apart from the mark shown.
For Duplicating Machines of the Rotary Offset Type and Parts Thereof.
Claims use since Aug. 1, 1935.

Ser. No. 383,794. J. H. WILLIAMS & Co., Buffalo, N. Y. Filed Sept. 29, 1936.

SUPERJAW

The word "Jaw" is disclaimed other than as a part of the mark shown.
For Jaws for Tongs and Pipe Vises.
Claims use since Sept. 3, 1936.

Ser. No. 383,795. J. H. WILLIAMS & Co., Buffalo, N. Y. Filed Sept. 29, 1936.

SUPERTONG

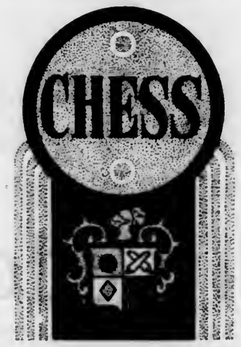
The word "Tong" is disclaimed other than as a part of the mark shown.
For Tongs and Pipe Vises.
Claims use since Sept. 3, 1936.

Ser. No. 384,905. NORTON COMPANY, Worcester, Mass. Filed Oct. 28, 1936.

CAM-O-MATIC

For Abrading and Grinding Machines Such as Automatic Cam Grinding Machines.
Claims use since Oct. 20, 1936.

Ser. No. 385,296. JOSEPH LESS, doing business as Department Sales Company, New York, N. Y. Filed Nov. 9, 1936



For Razor Blades.
Claims use since Oct. 30, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 371,321. SMOOT ENGINEERING CORPORATION, Chicago, Ill. Filed Nov. 7, 1935.

SMOOT CONTROL

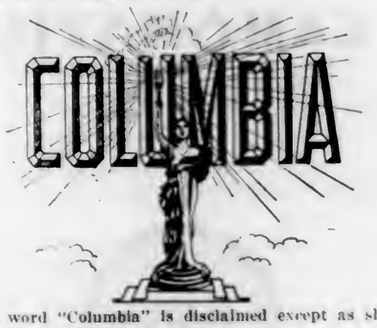
The word "Control" apart from the mark shown is disclaimed
For Automatic Gas Mixer Controls, Automatic Electrical Frequency Controls, and Combustion Control Systems Comprising Regulators, Master Controllers, Super-Master Controllers, Regulating and Control Panels, Boiler Controls, Heating Furnace Controls, Open Hearth Furnace Controls, Feed Water Controls, Coke Oven Regulators, Accumulator Controls, Desuper-Heater Controls, Draft Gages, Pressure Gages, CO_2 Gages, and Flow Meters.
Claims use since June 15, 1926.

Ser. No. 381,062. RALPH E. BERMAN, doing business as Fine Art Patterns, New York, N. Y. Filed July 16, 1936.

"Raglanset"

For Patterns for Garments.
Claims use since Mar. 31, 1936.

Ser. No. 384,786. COLUMBIA PICTURES CORPORATION, New York, N. Y. Filed Oct. 26, 1936.



The word "Columbia" is disclaimed except as shown.
For Motion Pictures.
Claims use since Sept. 15, 1936.

Ser. No. 385,272. ARTHUR F. WILLIAMS, St. Paul, Minn. Filed Nov. 7, 1936.

Wilsedge

For Eyeglass Mountings and Spectacle Frames.
Claims use since Sept. 15, 1936.

Ser. No. 385,780. CUTLER-HAMMER, INC., Milwaukee, Wis. Filed Nov. 20, 1936.



The drawing is lined for red and black.
For Apparatus for Measuring and Recording the Calorific Value of Gases.
Claims use since June 27, 1936.

CLASS 27

Horological Instruments

Ser. No. 386,187. BENRUS WATCH COMPANY, New York, N. Y. Filed Dec. 2, 1936.

AMERICAN GENTLEMAN

For Watches and Attached Bracelets Sold as a Unit.
Claims use since Oct. 1, 1936.

Ser. No. 386,188. BENRUS WATCH COMPANY, New York, N. Y. Filed Dec. 2, 1936.

GOLDEN GIRL

For Watches and Attached Bracelets Sold as a Unit.
Claims use since Oct. 1, 1936.

Ser. No. 386,189. BENRUS WATCH COMPANY, New York, N. Y. Filed Dec. 2, 1936.

GOLDEN KING

For Watches and Attached Bracelets Sold as a Unit.
Claims use since Oct. 1, 1936.

Ser. No. 386,190. BENRUS WATCH COMPANY, New York, N. Y. Filed Dec. 2, 1936.

GOLDEN QUEEN

For Watches and Attached Bracelets Sold as a Unit.
Claims use since Oct. 1, 1936.

Ser. No. 386,191. BENRUS WATCH COMPANY, New York, N. Y. Filed Dec. 2, 1936.

CONCURVE

For Watches and Attached Bracelets Sold as a Unit.
Claims use since Oct. 1, 1936.

Ser. No. 386,193. BENRUS WATCH COMPANY, New York, N. Y. Filed Dec. 2, 1936.

GOLDEN EAGLE

For Watches and Attached Bracelets Sold as a Unit.
Claims use since Oct. 1, 1936.

Ser. No. 386,194. BENRUS WATCH COMPANY, New York, N. Y. Filed Dec. 2, 1936.

GLOBE TROTTER

For Watches and Attached Bracelets Sold as a Unit.
Claims use since Oct. 1, 1936.

Ser. No. 386,196. BENRUS WATCH COMPANY, New York, N. Y. Filed Dec. 2, 1936.

WORLD'S FAIR

For Watches and Attached Bracelets Sold as a Unit.
Claims use since Oct. 1, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 386,062. MIDWAY CHEMICAL COMPANY, Chicago, Ill. Filed Nov. 24, 1936.

WRIST ACTION

For Mops.
Claims use since Sept. 3, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 380,030. THE AULSBROOK COMPANY, Detroit, Mich. Filed June 22, 1936.

DURAFLEX

For Spring Assembly for Upholstery Purposes.
Claims use since July 18, 1935.

Ser. No. 381,226. SLEEPER, INC., Chicago, Ill. Filed July 20, 1936.

Century

For Twin Studio Couches.
Claims use since June 20, 1936.

Ser. No. 381,227. SLEEPER, INC., Chicago, Ill. Filed July 20, 1936.

Mayflower

For Twin Studio Couches.
Claims use since June 20, 1936.

Ser. No. 385,309. SIMPLEX CABINET CORPORATION, Detroit, Mich. Filed Nov. 9, 1936.

SIMPLEX

For Cabinets—Namely, Towel Cabinets.
Claims use since January, 1935.

CLASS 33

Glassware

Ser. No. 376,278. THE HOCKING GLASS COMPANY, Lancaster, Ohio. Filed Mar. 23, 1936.

VITROCK

For Glass Tableware, Condiment Jars, Coffee Jars, Mixing Bowls, and Other Food-Preparing Vessels, Food-Packing Containers, and Cuspidors.
Claims use since Mar. 11, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 384,632. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Oct. 21, 1936.

SOUTH-WIND

For Automobile Heaters of the Internal Combustion Type.
Claims use since Sept. 23, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 385,076. TROHN'S SUPPLIES, INC., Mamaroneck, N. Y. Filed Nov. 2, 1936.

TĀPAX

For Gasket Material, Particularly Manhole Cushions.
Claims use since Mar. 4, 1935.

CLASS 37

Paper and Stationery

Ser. No. 379,534. GEORGE W. SCHILDGE, doing business as George W. Schildge Paper Co., Chicago, Ill. Filed June 10, 1936.



The drawing is lined for red and blue.
For Toilet Paper.
Claims use since spring of 1935.

Ser. No. 382,630. MILTON C. JOHNSON COMPANY, INC., New York, N. Y. Filed Aug. 27, 1936.

AUTOCHEK

For Bank Books, Pass Books, Check Books, Deposit Slips, Account Cards, Statement Sheets, and Ledger Sheets.
Claims use since Aug. 17, 1936.

Ser. No. 384,721. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y. Filed Oct. 23, 1936.

SPEEDIPAK

For Grease Proof and Waxed Wrapping Paper, in Cartons and Dispensing Containers, and Re-fills Therefor.
Claims use since Oct. 1, 1936.

Ser. No. 384,921. RUTH COOLEY, Springfield, Mass. Filed Oct. 29, 1936.

SERVAIDES

For Doilies, Table Mats, Table Cloths, Table Scarfs, Table Napkins, Dresser Scarfs, and the Like, Composed of Cellulose Sheeting.
Claims use since Oct 26, 1936.

Ser. No. 384,928. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Oct. 29, 1936.

Nifty-Fold

The word "Fold" is disclaimed apart from the mark shown.
For Paper Napkins.
Claims use since May 25, 1936.

Ser. No. 385,012. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Oct. 31, 1936.

STRATHMORE
Double Deckle

For Writing and Printing Paper.
Claims use since Sept. 1, 1936.

Ser. No. 385,419. MCCRORY STORES CORPORATION, New York, N. Y. Filed Nov. 11, 1936.



The words "Linen Finish" apart from the mark shown are disclaimed.
For Writing Paper, Writing Pads, and Envelopes.
Claims use since Oct. 28, 1921.

Ser. No. 385,676. ORCHARD PAPER CO., St. Louis, Mo. Filed Nov. 18, 1936.

BEAUTY-WRAP

The word "Wrap" is disclaimed apart from the mark as shown.
For Wrapping Paper.
Claims use since February, 1936.

Ser. No. 385,702. SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis. Filed Nov. 18, 1936.

handi-pen

The word "Pen" is disclaimed apart from the mark shown.
For Writing Pens, and Desk Sets Comprising Inkstands and Writing Pens.
Claims use since Aug. 10, 1936.

CLASS 38

Prints and Publications

Ser. No. 383,580. INSTITUTIONAL PUBLICATIONS, INC., Chicago, Ill. Filed Sept. 24, 1936.

The Institutional
BUYERS' NEWS

For Periodical.
Claims use since August, 1936.

Ser. No. 383,975. BAKER'S FORECASTER, INC., New York, N. Y. Filed Oct. 5, 1936.

BAKER'S
WEEKLY FOOTBALL
FORECASTER

For Publications Appertaining to Sports Particularly to Football, Published Weekly.
Claims use since Sept. 15, 1936.

CLASS 39

Clothing

Ser. No. 376,053. M. S. LEVY & SONS, INC., Baltimore, Md. Filed Mar. 16, 1936.



***The* CLIPPER**

For Men's Hats.
Claims use since Oct. 11, 1934.

Ser. No. 383,510. SHEPHERD KNIT-WEAR CO. INC., New York, N. Y. Filed Sept. 22, 1936.

MARITZA

For Sweaters, Bathing Suits, Knitted Skirts, Knitted Caps, and Knitted Coats.
Claims use since Aug. 1, 1936.

Ser. No. 384,194. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Oct. 10, 1936.

British Lounger Model

The word "Model" apart from the mark as shown is disclaimed.
For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants and Trousers.
Claims use since Sept. 22, 1936.

Ser. No. 384,504. CANNON SHOE COMPANY, Baltimore, Md. Filed Oct. 19, 1936.



The words "Shoe for Little Women" are disclaimed except as shown.
For Leather Shoes.
Claims use since Sept. 18, 1936.

Ser. No. 384,872. TIPPERARY GLOVE FACTORY LIMITED, Tipperary, Irish Free State. Filed Oct. 27, 1936.



The word "Gloves" and the representation of a glove are disclaimed except as shown.
For Gloves Made Wholly or in Part from Leather, Skins, or Fabric.
Claims use since January, 1936.

Ser. No. 385,174. DORIS HAYES CAVANAUGH, doing business as Doris Hayes, Boston, Mass. Filed Nov. 5, 1936.

Candy Ribbon Knit

The word "Knit" apart from the mark as shown is disclaimed.
For Women's Outer Apparel—Namely, Suits, Dresses, Frocks, Skirts, Coats, Blouses, Jackets, Sweaters, and Hats.
Claims use since June, 1933.

Ser. No. 385,293. JULIUS KAYSER & CO., New York, N. Y. Filed Nov. 9, 1936.

KAY-VEL

For Fabric Gloves.
Claims use since Oct. 21, 1936.

Ser. No. 385,390. BONWIT TELLER, INC., New York, N. Y. Filed Nov. 11, 1936.

"ZIVIO"

For Women's and Misses' Dresses, Outer Skirts, Blouses, Coats, Hats, and Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Nov. 2, 1936.

Ser. No. 385,497. SPORTS GUILD INC., New York, N. Y. Filed Nov. 13, 1936.



The word "Fashion" apart from the mark as shown is disclaimed.
For Women's, Misses', and Children's Wearing Apparel—Namely, Dresses, Skirts, Blouses, Suits, and Coats of Silk, Wool, Rayon, Linen, and Cotton.
Claims use since Aug. 1, 1936.

Ser. No. 385,849. LIBERTY OVERALL CO., doing business as Libery Trouser Company, Birmingham, Ala. Filed Nov. 21, 1936.

KOOL HAVEN

For Men's Suits, Coats, Jackets, and Pants.
Claims use since March, 1935.

Ser. No. 385,851. R. H. MACY & CO., INC., New York, N. Y. Filed Nov. 21, 1936.

SLIPSHODS

For Women's Slippers of Leather.
Claims use since Oct. 28, 1936.

Ser. No. 385,931. S. MAKRANSKY & SONS, Philadelphia, Pa. Filed Nov. 24, 1936.

POLAR BREEZE

For Suits, Coats, Vests, Pants, Overcoats, and Topcoats for Men.
Claims use since August, 1936.

Ser. No. 385,967. BROWN SHOE COMPANY, INC., St. Louis, Mo. Filed Nov. 25, 1936.

CORONATION

For Men's and Women's Shoes of Leather, Fabric, Compositions, and Combinations Thereof.
Claims use since July 1, 1914.

Ser. No. 385,994. ARTHUR SIEGMAN, INC., New York, N. Y. Filed Nov. 25, 1936.



For Men's, Women's, and Boys' Neckties.
Claims use since Nov. 1, 1936.

Ser. No. 386,177. MORRIS SOBELMAN, doing business as Perfect Garment Company, Baltimore, Md. Filed Dec. 1, 1936.

Sumalin

For Children's, Misses', and Women's Outer Garments—Namely, Dresses, Coats, and Suits.
Claims use since Nov. 27, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 376,206. JOHN HEATHCOAT & CO., INC., New York, N. Y. Filed Mar. 20, 1936.

HEATHCOAT TWYTEX

For Nettings, Piece Goods Made Wholly or in Part of Cotton, Linen, Silk, Synthetic Silk, Wool, or Combinations Thereof.
Claims use since March, 1935.

Ser. No. 384,666. NEOTEX MANUFACTURING CO., INC., New York, N. Y. Filed Oct. 22, 1936.

Crib-tex

For Crib Sheets.
Claims use since June 5, 1936.

Ser. No. 384,876. THE ASTRUP COMPANY, Cleveland, Ohio. Filed Oct. 28, 1936.



The word "Brand" is disclaimed apart from the mark as shown.
For Cotton Piece Goods, Including Awning Fabrics.
Claims use since Sept. 1, 1936.

Ser. No. 384,987. WELLINGTON SEARS COMPANY, Boston, Mass. Filed Oct. 30, 1936.

WELLINGTON FABRICS



The words "Wellington Fabrics" apart from the representation of a ship enclosed in a circle.
For Cotton Piece Goods, and Particularly for Duck, Twill, Suede, Jean, Sateen, Drill, Gabardine, Cotton Bunting, Denim, Whipcord, and Suiting.
Claims use since Jan. 2, 1935.

Ser. No. 385,176. COHN-HALL-MARX CO., New York, N. Y. Filed Nov. 5, 1936.

BEACH TONES

For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since Oct. 6, 1936.

Ser. No. 386,094. ARTHUR PEIR & CO., INC., New York, N. Y. Filed Nov. 30, 1936.

ABC

Q. T. PRINTS

The word "Prints" apart from the mark as shown is disclaimed.
For Rayon Piece Goods.
Claims use since Oct. 30, 1936.

Ser. No. 386,267. OTIS COMPANY, Three Rivers, Mass. Filed Dec. 3, 1936.

BLUEBLOOD

For Cotton Piece Goods.
Claims use since Oct. 30, 1936.

Ser. No. 386,361. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 5, 1936.

SHETLANESE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Dec. 2, 1936.

Ser. No. 386,362. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 5, 1936.

SURREALIST

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Dec. 2, 1936.

Ser. No. 386,386. JOHN L. WALTHER, New York, N. Y. Filed Dec. 5, 1936.

BUNANGO

For Woolen, Worsted, Camels-Hair, Woven, and Knitted Piece Goods.
Claims use since Apr. 20, 1936.

Ser. No. 386,464. WAMSUTTA MILLS, New Bedford, Mass. Filed Dec. 7, 1936.

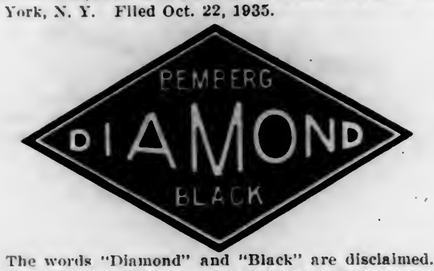
KANAKA

For Cotton Piece Goods, Pillow Cases, and Sheets.
Claims use since Aug. 5, 1936.

CLASS 43

Thread and Yarn

Ser. No. 370,649. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Oct. 22, 1935.



The words "Diamond" and "Black" are disclaimed.
For Cellulose Filaments of Artificial Origin.
Claims use since Sept. 25, 1935.

Ser. No. 376,338. EASTYARN, INC., Brooklyn, N. Y. Filed Mar. 24, 1936.

Bandura

For Yarns.
Claims use since Feb. 1, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 385,546. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Nov. 14, 1935.

SIX-EIGHT-SEVEN

For Gold Alloy for Wrought Gold Dental Articles.
Claims use since Oct. 6, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 379,956. THE R. T. FRENCH COMPANY, Rochester, N. Y. Filed June 19, 1936.

HOT DAN

For Mustard.
Claims use since Apr. 12, 1935.

Ser. No. 383,582. LEWIS-MARTIN AND COMPANY, Newark, N. J. Filed Sept. 24, 1936.

RYE-VEL

The word "Rye" is disclaimed except as shown.
For Rye Bread Flavor for Rye Bread.
Claims use since Mar. 1, 1936.

Ser. No. 384,637. WESCO FOODS COMPANY, Cincinnati, Ohio. Filed Oct. 21, 1936.

King's Inn

For Cakes.
Claims use since Oct. 8, 1936.

Ser. No. 384,643. BANANA PRODUCTS COMPANY, INC, New York, N. Y. Filed Oct. 22, 1936.

Banola

For Powdered Banana Product to be Used Either in Foods or Mixed with Water or Milk as a Drink.
Claims use since June, 1934.

Ser. No. 384,753. LIBERTY ORCHARDS COMPANY, Cashmere, Wash. Filed Oct. 24, 1936.

COTLETS

For Confection—Namely, Candy.
Claims use since June 30, 1936.

Ser. No. 384,790. DURAND-MCNEIL-HORNER COMPANY, Chicago, Ill. Filed Oct. 26, 1936.

FUZZY WUZZY

For Canned Peaches, Pears, Apricots, and Pineapple, and Breakfast Cereals.
Claims use since Sept. 10, 1929.

Ser. No. 385,046. LA JUNTA CANNERS, INC., La Junta, Colo. Filed Nov. 2, 1936.

COLO-RED

The word "Red" is disclaimed apart from the mark as shown.

For Canned Vegetables, Canned Vegetable Juices for Food Purposes.

Claims use since Sept. 12, 1936.

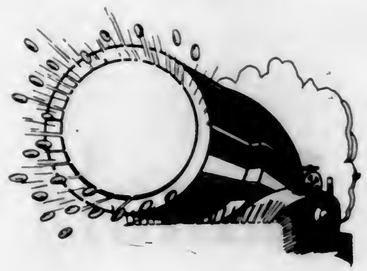
Ser. No. 385,202. STANDARD DAIRIES, INC., Philadelphia, Pa. Filed Nov. 5, 1936.

Pennbrook

For Milk.

Claims use since Oct. 28, 1936.

Ser. No. 385,365. MILLER CEREAL MILLS, Omaha, Nebr. Filed Nov. 10, 1936.



For Breakfast Food Cereals.

Claims use since Sept. 1, 1936.

Ser. No. 385,366. MILLER CEREAL MILLS, Omaha, Nebr. Filed Nov. 10, 1936.

HEALTHIES

For Breakfast Food Cereals.

Claims use since Apr. 1, 1936.

Ser. No. 385,454. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Nov. 12, 1936.

Supplies Vitamins
A·B·D·G
FLEISCHMANN'S
YEAST
CEREAL OR TAPIOCA FLOUR AND PRIMARY VITAMIN 'A' ADDED
Eat 3 cakes daily before meals

Applicant is the owner of trade-mark registration No. 151,760 granted under the 10-year proviso. All words except "Fleischmann's" are disclaimed apart from the mark as shown.

For Yeast.

Claims use since June 2, 1936.

Ser. No. 385,706. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Nov. 18, 1936.

Contiene Vitaminas
A·B·D·G
LEVADURA
FLEISCHMANN
CONTIENE CEREALES O HARINA DE TAPIOCA CON VITAMINA A AÑADIDA
Tome 3 Pastillas - diariamente

Applicant is the owner of trade-mark registration No. 151,760 granted under the 10-year proviso. All words except "Fleischmann" are disclaimed apart from the mark as shown.

For Yeast.

Claims use since May 28, 1936.

Ser. No. 385,774. EZEKIEL M. BATTAT, doing business as Battat Import-Export Company, San Francisco, Calif. Filed Nov. 20, 1936.

Battat

For Canned Fish, Particularly Canned Sardines.

Claims use since Sept. 29, 1936.

Ser. No. 385,791. T. ICHIKAWA, doing business as Salinas Packing Company, Salinas, Calif. Filed Nov. 20, 1936.

HOT SHOT

For Fresh Vegetables.

Claims use since Oct. 30, 1936.

Ser. No. 385,940. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Nov. 24, 1936.

AUNT JEMIMA



The picture is not of any individual.

For Grits, White and Yellow Cornmeal, Ready-Mix Buckwheat, Corn and Wheat Flour, and Ready-Mix Pancake Flour.

Claims use since Nov. 27, 1889, for the mark "Aunt Jemima"; since July 11, 1917, for the picture.

Ser. No. 385,988. A. A. NIXON & COMPANY, Omaha, Nebr. Filed Nov. 25, 1936.

LINSOY

For Feeds for Live Stock.

Claims use since Nov. 10, 1936.

Ser. No. 386,023. GERMANIA TEA COMPANY, Minneapolis, Minn. Filed Nov. 27, 1936.



For Tea.

Claims use since Nov. 10, 1936.

Ser. No. 386,178. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va. Filed Dec. 1, 1936.

SKYLINE ASSORTMENT

The word "Assortment" is disclaimed apart from the mark.

For Biscuits.

Claims use since Nov. 12, 1936.

Ser. No. 386,199. THE BORDEN COMPANY, New York, N. Y. Filed Dec. 2, 1936.

BORDEX

For Ice Cream Mix.

Claims use since May 15, 1936.

CLASS 47

Wines

Ser. No. 346,923. JOHANNES A. PETERSEN & Co., Hamburg, Germany. Filed Feb. 3, 1934.

FORTERESSE

For Wines.

Claims use since Aug. 24, 1910.

Ser. No. 385,488. H. NAGELE'S MARKET, Manhasset, Long Island, N. Y. Filed Nov. 13, 1936.

Stonehill

For Wines.

Claims use since June 18, 1936.

Ser. No. 386,085. ROMA WINE COMPANY, INC., Lodi, Calif. Filed Nov. 28, 1936.

Sautel

For Wines.

Claims use since Mar. 6, 1936.

CLASS 48

Malt Beverages and Liquors

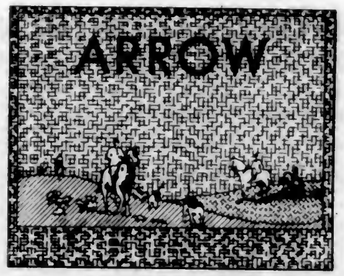
Ser. No. 385,578. THE GLOBE BREWING COMPANY, Baltimore, Md. Filed Nov. 16, 1936.

ARROW

For Ale and Beer.

Claims use since Oct. 14, 1914, on beer; since July 9, 1936, on Ale.

Ser. No. 385,579. THE GLOBE BREWING COMPANY, Baltimore, Md. Filed Nov. 16, 1936.



For Ale.
Claims use since July 9, 1936.

Ser. No. 386,157. FOREST CITY BREWERY, INC., Cleveland, Ohio. Filed Dec. 1, 1936.

Samson

For Ale.
Claims use since Dec. 7, 1933.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 341,904. B., M. & J. STRAUSS, LTD., London, England. Filed Sept. 26, 1933.



For Gin and Rum.
Claims use since July, 1925.

Ser. No. 372,383. NATHAN N. WALLACK, doing business as Star Liquor Co., Washington, D. C. Filed Dec. 7, 1935.

Star Hotel

For Whiskey, Gin, and Rum.
Claims use since Aug. 1, 1934.

Ser. No. 385,397. GLENMORE DISTILLERIES COMPANY, Louisville, Ky. Filed Nov. 11, 1936.



The drawing is lined for red and silver. Applicant is the owner of registration No. 310,855.
For Whiskey.
Claims use since Oct. 16, 1936.

Ser. No. 385,465. LIBERTY DISTRIBUTORS, INC., Dundalk, Md. Filed Nov. 16, 1936.

B. P. R.

For Pure Rye Whiskey.
Claims use since May 16, 1936.

Ser. No. 385,466. C. M. TRITSCH, Hagerstown, Md. Filed Nov. 16, 1936.

OLD TRAINMASTER

For Pure Rye Whiskey.
Claims use since May 16, 1936.

Ser. No. 386,211. ILLINOIS HOTELS FOUNDATION, INC., Chicago, Ill. Filed Dec. 2, 1936.



The word "Selected" is disclaimed apart from the mark as shown.
For Distilled Whiskey.
Claims use since Oct. 14, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 26, 1937

342,661. WHISKEY. AMERICAN DISTRIBUTORS, INC., Baltimore, Md.
Filed June 4, 1936. Serial No. 379,284. PUBLISHED NOVEMBER 10, 1936. Class 49.

342,662. BOILER SCALE COMPOUNDS. AMERICAN SAND-BANUM CO. INC., New York, N. Y.
Filed May 28, 1936. Serial No. 378,968. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,663. PERIODICAL, AT PRESENT PUBLISHED SEMI-MONTHLY. ARIZONA PRODUCER PUBLISHING COMPANY, Phoenix, Ariz.
Filed August 26, 1936. Serial No. 382,613. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,664. STAMP COLLECTOR'S PUBLICATIONS PUBLISHED AT IRREGULAR INTERVALS. L. STEWART BARR, Washington, D. C.
Filed August 20, 1936. Serial No. 382,374. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,665. CHEMICAL PREPARATION FOR INDICATING THE PRESENCE OF CARBON DIOXIDE, CARBON MONOXIDE, ETC. RALPH BELL, San Francisco, Calif.
Filed July 8, 1936. Serial No. 380,747. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,666. TEA. BROOKE, BOND & COMPANY, LIMITED, London, England.
Filed August 6, 1936. Serial No. 381,862. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,667. TEA. BROOKE, BOND & COMPANY, LIMITED, London, England.
Filed August 6, 1936. Serial No. 381,863. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,668. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, RUBBER, CANVAS, OR TEXTILE MATERIAL. W. L. DOUGLAS SHOE CO., Brockton, Mass.
Filed August 27, 1936. Serial No. 382,621. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,669. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y.
Filed October 7, 1936. Serial No. 384,076. PUBLISHED NOVEMBER 17, 1936. Class 49.

342,670. SHEET GLASS, FLAT GLASS, PLATE GLASS, WINDOW GLASS, VERTICALLY DRAWN GLASS, AND CASE-HARDENED GLASS SHEETS KNOWN AS SAFETY GLASS. FOURCO GLASS COMPANY, Clarksburg, W. Va.
Filed July 30, 1936. Serial No. 381,610. PUBLISHED NOVEMBER 10, 1936. Class 33.

342,671. BEER, HEAVY BEER, PORTER, ALE, WHEAT BEER, BEER WORT, BEVERAGE WORT, MALT BEER, DIETETIC HYGIENIC BEER, BEER-LIKE BEVERAGES, AND COLOR BEER. GABRIEL U. JOS. SEDLMAYR SPATEN-FRANZISKANER-LEISTBRÄU A.-G. MÜNCHEN, Munich, Germany.
Filed June 30, 1936. Serial No. 380,463. PUBLISHED NOVEMBER 17, 1936. Class 48.

342,672. RENNET PREPARATIONS—NAMELY, RENNET TABLETS, RENNET DESSERT POWDER, AND RENNET EXTRACT FOR FOOD AND FOOD BEVERAGE PURPOSES AND ICE CREAM MIX. CHR. HANSEN'S LABORATORY, INC, Little Falls, N. Y.
Filed May 18, 1936. Serial No. 378,561. PUBLISHED AUGUST 25, 1936. Class 46.

342,673. CLOSURES FOR RECEPTACLES. HAZEL-ATLAS GLASS COMPANY, Wheeling, W. Va.
Filed August 7, 1936. Serial No. 381,908. PUBLISHED NOVEMBER 17, 1936. Class 50.

342,674. MILK, ICE CREAM, AND DAIRY PRODUCTS—NAMELY, COTTAGE CHEESE AND BUTTER. IOWANA FARMS MILK CO., Bettendorf, Iowa.
Filed July 30, 1936. Serial No. 381,623. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,675. FIBROUS LINING MATERIALS FOR COLLARS, CUFFS, AND THE LIKE, SAID LINING MATERIALS BEING COMPOSED CHIEFLY OF COTTON OR OF MIXTURES OF COTTON WITH OTHER FIBERS. THE KENDALL COMPANY, Walpole, Mass.
Filed March 3, 1936. Serial No. 375,512. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,676. LADIES' SLIPPERS OF LEATHER, FABRIC, AND/OR COMBINATIONS OF SAID MATERIALS. KNIGHT SLIPPER MFG. CORP., New York, N. Y.
Filed August 22, 1936. Serial No. 382,481. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,677. BELTS FOR MEN'S TROUSERS AND WOMEN'S DRESSES. KRISCHER TRADING CORP., New York, N. Y.
Filed August 22, 1936. Serial No. 382,482. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,678. WOMEN'S AND CHILDREN'S DRESSES, COATS, SWEATERS, UNDERWEAR (OF BOTH WOVEN AND KNITTED MATERIAL), HOSIERY, AND GLOVES OF LEATHER AND/OR FABRIC. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 10, 1936. Serial No. 381,979. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,679. SKI-BOOTS, AND CLEATED FOOTBALL, BASEBALL, AND TRACK SHOES. MAX MAYER, doing business as R. J. Mayer Shoe Company, Marblehead, Mass.
Filed May 28, 1936. Serial No. 379,006. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,680. PREPARATION FOR TOUGHENING FABRICS. BLANCHE MCQUILLER, doing business as Blanche's Tuf Aid, Chicago, Ill.
Filed August 21, 1936. Serial No. 382,435. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,681. DENTAL MIRRORS. MERIT DENTAL PRODUCTS, INC, New York, N. Y.
Filed August 26, 1936. Serial No. 382,601. PUBLISHED NOVEMBER 17, 1936. Class 44.

342,682. SOLUTION FOR SPRAYING LIVE STOCK. NOWAK MILLING CORPORATION, Hammond, Ind.
Filed September 8, 1936. Serial No. 383,030. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,683. CELLULOSE FILM STRIPS FOR USE AS CHRISTMAS TREE DECORATION. PAPER NOVELTY MANUFACTURING COMPANY, New York, N. Y.
Filed March 4, 1936. Serial No. 375,556. PUBLISHED JUNE 16, 1936. Class 50.

342,684. REAL LEATHER. PEARCE & FRIEDMAN, INC., New York, N. Y.
Filed March 28, 1936. Serial No. 376,541. PUBLISHED JULY 7, 1936. Class 1.

342,685. MALTLESS, NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. PETERSEIL & DELMONT, Revere Beach, Mass.
Filed July 31, 1936. Serial No. 381,689. PUBLISHED NOVEMBER 17, 1936. Class 45.

342,686. WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed March 3, 1936. Serial No. 375,521. PUBLISHED NOVEMBER 10, 1936. Class 49.

342,687. PIECE GOODS MADE OF WOOL, COTTON, RAYON, SILK, ARTIFICIAL SILK, ARTIFICIAL FIBERS, AND COMBINATIONS OF THE SAME. SIEGEL BROS. KIKI MAID KOATS INC., New York, N. Y.
Filed July 8, 1936. Serial No. 380,797. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,688. TURBINE LUBRICATING OIL. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed July 6, 1936. Serial No. 380,675. PUBLISHED NOVEMBER 10, 1936. Class 15.

342,689. BOOK BINDING WIRES. TRUSSELL MANUFACTURING COMPANY, Poughkeepsie, N. Y.
Filed June 13, 1936. Serial No. 379,720. PUBLISHED NOVEMBER 17, 1936. Class 13.

342,690. CORSETS, BRASSIÈRES, BANDEAUX, GIRDLES, COMBINATION UNDERGARMENTS CONSISTING OF CORSETS AND BRASSIÈRES AND COMMONLY KNOWN AS "CORSELETS", AND GARTER BELTS. VANITY CORSET COMPANY, INC., New York, N. Y.
Filed August 21, 1936. Serial No. 382,454. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,691. ALIMENTARY PASTES INCLUDING MACARONI AND SPAGHETTI. V. VIVIANO & BROS., MACARONI MFG. CO., INC., St. Louis, Mo.
Filed August 24, 1936. Serial No. 382,539. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,692. OIL BURNERS. WAYNE OIL BURNER CORPORATION, Fort Wayne, Ind.
Filed February 26, 1936. Serial No. 375,280. PUBLISHED NOVEMBER 17, 1936. Class 34.

342,693. SILK, COTTON, AND RAYON PIECE GOODS, AND COMBINATIONS THEREOF. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y.
Filed August 22, 1936. Serial No. 382,496. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,694. SILK, COTTON, AND RAYON PIECE GOODS, AND COMBINATIONS THEREOF. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y.
Filed August 22, 1936. Serial No. 382,497. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,695. SILK, COTTON, AND RAYON PIECE GOODS, AND COMBINATIONS THEREOF. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y.
Filed August 22, 1936. Serial No. 382,500. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,696. SILK, COTTON, AND RAYON PIECE GOODS, AND COMBINATIONS THEREOF. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y.
Filed August 22, 1936. Serial No. 382,501. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,697. PREPARATION FOR THE RELIEF OF HAY FEVER, ASTHMA, AND HEAD COLDS. THE AMBRO COMPANY, Lawton, Okla.
Filed July 21, 1936. Serial No. 381,252. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,698. MATTRESSES. AMERICAN AUTO-FELT CORPORATION, Grand Rapids, Mich.
Filed September 24, 1936. Serial No. 383,562. PUBLISHED NOVEMBER 17, 1936. Class 32.

342,699. DRESS SUIT CASES AND HANDBAGS FOR MEN AND WOMEN. JACOB ANTINOPH, doing business as Philadelphia Leather-Goods Co., Philadelphia, Pa.
Filed September 12, 1936. Serial No. 383,155. PUBLISHED NOVEMBER 17, 1936. Class 3.

342,700. RUM. BARRET & FOURNIER, Bordeaux, France.
Filed October 6, 1936. Serial No. 384,023. PUBLISHED NOVEMBER 17, 1936. Class 49.

342,701. WINES. BEAR CREEK VACUUM WINE COMPANY, Lodi, Calif.
Filed September 26, 1936. Serial No. 383,614. PUBLISHED NOVEMBER 17, 1936. Class 47.

342,702. PIECE GOODS OF RAYON, SILK, AND/OR COMBINATIONS THEREOF. BEAR MILL MANUFACTURING CO., INC., New York, N. Y.
Filed September 11, 1936. Serial No. 383,116. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,703. WHISKEY. BELLOWS & COMPANY, INC., New York, N. Y.
Filed September 11, 1936. Serial No. 383,117. PUBLISHED NOVEMBER 10, 1936. Class 49.

342,704. MICROPHONES. WILLIAM A. BRUNO, New York, N. Y.
Filed September 21, 1936. Serial No. 383,466. PUBLISHED NOVEMBER 17, 1936. Class 21.

342,705. FINGER NAIL PREPARATION. PETER CHARLES NAIL POLISH CO., New York, N. Y.
Filed July 17, 1936. Serial No. 381,121. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,706. MEN'S SHORTS. COOPERS, INCORPORATED, Kenosha, Wis.
Filed July 8, 1936. Serial No. 380,759. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,707. PREPARATION FOR THE RELIEF OF ACID STOMACH, HEARTBURN, SOUR STOMACH, BELCHING, AND EXCESSIVE GASTRIC ACIDITY INDICATIVE OF STOMACH ULCERS. ROMAN A. CZACHORSKI, doing business as Ulco Laboratories, Flint, Mich.
Filed September 17, 1936. Serial No. 383,353. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,708. WOMEN'S SHOES OF LEATHER AND FABRIC AND A COMBINATION OF THESE MATERIALS. EXCELSIOR SHOES, INC., Portsmouth, Ohio.
Filed September 16, 1936. Serial No. 383,298. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,709. ADHESIVE CEMENT, CONSISTING OF RUBBER SOLUTIONS, RUBBER AND RUBBER SOLVENT, COMPOSITION AND THE LIKE—NAMELY, PATCHING CEMENT, VULCANIZING CEMENT, QUICK CURE VULCANIZING CEMENT, AND SPECIAL CEMENTS, FOR ADHERING UPHOLSTERY, FABRIC, WOOD, METAL, LEATHER, AND THE LIKE. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 10, 1935. Serial No. 367,124. PUBLISHED AUGUST 27, 1935. Class 5.

342,710. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. FORT DODGE BOTTLING WORKS, INC., Fort Dodge, Iowa.
Filed September 16, 1936. Serial No. 383,306. PUBLISHED NOVEMBER 17, 1936. Class 45.

342,711. TEXTILE FABRICS IN THE PIECE, OF COTTON, WOOL, SILK, RAYON, AND/OR COMBINATIONS THEREOF. GLENDALE FABRICS, INC., New York, N. Y.
Filed September 10, 1936. Serial No. 383,093. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,712. SILK, WOOLEN, LINEN, AND COTTON PIECE GOODS. DANA H. GRANT, New York, N. Y., assignor to Jaska Limited, Leicester, England.
Filed September 16, 1936. Serial No. 383,308. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,713. BRASSIÈRES AND CORSETS AND COMBINATIONS THEREOF. THE H & W COMPANY, INC., New York, N. Y.
Filed September 11, 1936. Serial No. 383,129. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,714. COTTON, RAYON, AND SILK FABRICS AND COMBINATIONS THEREOF IN THE PIECE. ROBERT W. HAMILTON, New York, N. Y.
Filed September 10, 1936. Serial No. 383,094. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,715. ENVELOPES. ADDISON LEWIS, Minneapolis, Minn.
Filed September 21, 1936. Serial No. 383,473. PUBLISHED NOVEMBER 17, 1936. Class 37.

342,716. WOMEN'S HATS. R. H. MACY & CO., INC., New York, N. Y.
Filed July 15, 1936. Serial No. 381,039. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,717. WHISKEY. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y.
Filed October 6, 1936. Serial No. 384,045. PUBLISHED NOVEMBER 17, 1936. Class 49.

342,718. PERIODICAL ISSUED FROM TIME TO TIME. THE OSKAMP NOLTING COMPANY, Cincinnati, Ohio.
Filed September 10, 1936. Serial No. 383,101. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,719. COTTON PIECE GOODS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed September 11, 1936. Serial No. 383,137. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,720. CONTAINERS FOR FROZEN LIQUID (SIMILAR TO ICE BAGS), TO BE USED ON THE HEAD. EDWARD POMERANZ, San Clemente, Calif.
Filed September 18, 1936. Serial No. 383,406. PUBLISHED NOVEMBER 17, 1936. Class 44.

342,721. DENTAL CREAM. MAURICE E. PROCTOR, doing business as Proctors Products Co., New Haven, Conn.
Filed September 29, 1936. Serial No. 383,784. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,722. CHEMICAL SOLUTION FOR WATERPROOFING AND PRESERVING CANVAS AND OTHER FABRICS, OR ANYTHING MADE OF SUCH MATERIALS. PROTECTION PRODUCTS MANUFACTURING COMPANY, Kalamazoo, and Detroit, Mich.
Filed July 20, 1936. Serial No. 381,218. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,723. SCOTCH WHISKY. JOHN ROBERTSON & SON LIMITED, Dundee, Scotland.
Filed October 3, 1936. Serial No. 383,942. PUBLISHED NOVEMBER 10, 1936. Class 49.

342,724. HATS FOR WOMEN. HENRY ROSE STORES, INC., New York, N. Y.
Filed September 21, 1936. Serial No. 383,483. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,725. HATS FOR CHILDREN. HENRY ROSE STORES, INC., New York, N. Y.
Filed September 21, 1936. Serial No. 383,484. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,726. BEER AND OTHER MALT BEVERAGES. THE SCHORR-KOLKSCHNEIDER BREWING COMPANY, St. Louis, Mo.
Filed September 14, 1936. Serial No. 383,230. PUBLISHED NOVEMBER 17, 1936. Class 48.

342,727. BEATERS FOR PAPER STOCK. CHARLES R. SEABORNE, Appleton, Wis.
Filed September 26, 1936. Serial No. 383,690. PUBLISHED NOVEMBER 17, 1936. Class 23.

342,728. AVOCADO COOKIES. JEAN SEAMAN, Glendale, Calif.
Filed July 17, 1936. Serial No. 381,146. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,729. SOUND EQUIPMENT. GEORGE SHARPNACK, doing business as The Amplifiex Co., Lincoln, Nebr.
Filed September 24, 1936. Serial No. 383,706. PUBLISHED NOVEMBER 17, 1936. Class 21.

342,730. WOMEN'S AND MISSES' COATS AND SUITS. SPORTOWNE COAT CO., INC., New York, N. Y.
Filed September 17, 1936. Serial No. 383,373. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,731. WHISKEY. THREE G DISTILLERY CORP., Burbank, Calif.
Filed September 21, 1936. Serial No. 384,064. PUBLISHED NOVEMBER 17, 1936. Class 49.

342,732. MUFFLERS AND SCARFS. TRABULSI TEXTILE CO. INC., New York, N. Y.
Filed September 17, 1936. Serial No. 383,375. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,733. WARM AIR REGISTERS. UNITED STATES REGISTER COMPANY, Battle Creek, Mich.
Filed July 21, 1936. Serial No. 381,203. PUBLISHED NOVEMBER 17, 1936. Class 34.

342,734. TRUNKS, SUIT CASES, AND PULLMAN CASES. UNITED STATES TRUNK COMPANY, INC., Fall River, Mass.
Filed September 12, 1936. Serial No. 383,190. PUBLISHED NOVEMBER 17, 1936. Class 3.

342,735. WHISKEY. WASHINGTON WHOLESALE LIQUOR CORPORATION, Washington, D. C.
Filed October 3, 1936. Serial No. 383,967. PUBLISHED NOVEMBER 17, 1936. Class 49.

342,736. WHISKEY. WASHINGTON WHOLESALE LIQUOR CORPORATION, Washington, D. C.
Filed October 3, 1936. Serial No. 383,968. PUBLISHED NOVEMBER 17, 1936. Class 49.

342,737. WOMEN'S, MEN'S, AND CHILDREN'S UNDERWEAR. ABE WEINBERG, doing business as Maiden Fair Co., Allentown, Pa.
Filed September 10, 1936. Serial No. 383,112. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,738. CARDS FOR VISIBLE INDEX OR RECORD EQUIPMENT, DESK DIARIES, INDEX OR RECORD STRIPS, CARD SIGNALS, AND CORRESPONDENCE CLIPS. ACME CARD SYSTEM COMPANY, Chicago, Ill.
Filed June 19, 1935. Serial No. 366,350. PUBLISHED NOVEMBER 17, 1936. Class 37.

342,739. NOVELTIES MADE OF MOLDED MATERIAL, PARTICULARLY DESK CALENDARS, WRITING PADS, PENCILS, AND LETTER OPENERS. BROWN & BIGELOW, St. Paul, Minn.
Filed March 8, 1934. Serial No. 348,311. PUBLISHED JULY 28, 1936. Class 37.

342,740. PRINTED TICKETS AND COUPONS SOLD TO THE TRADE AS SUCH. DENVER D. FERGUSON, doing business as The Ferguson Manufacturing Company, Indianapolis, Ind.
Filed June 15, 1936. Serial No. 379,739. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,741. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,929. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,742. TANK FLOATS. CHAS. F. HAUSE MFG. CO., LTD., Los Angeles, Calif.
Filed June 24, 1935. Serial No. 366,562. PUBLISHED NOVEMBER 17, 1936. Class 13.

342,743. TABLETS FOR RELIEF OF HEADACHE, COLDS, NEURALGIA, ETC. HEXIN, INC., Chicago, Ill.
Filed May 22, 1935. Serial No. 365,251. PUBLISHED JULY 23, 1935. Class 6.

342,744. NON-ALCOHOLIC MIXER DESIGNED TO BE USED IN THE PREPARATION OF ALCOHOLIC BEVERAGES. JERO PRODUCTS CO., Chicago, Ill.
Filed June 3, 1935. Serial No. 365,735. PUBLISHED NOVEMBER 17, 1936. Class 45.

342,745. WOOLEN PIECE GOODS. B. KAPLAN COMPANY, New York, N. Y.
Filed July 29, 1936. Serial No. 381,566. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,746. WOOLEN CLOTH—PIECE GOODS. PEERLESS TAILORED DRESSES, New York, N. Y.
Filed July 29, 1936. Serial No. 381,591. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,747. MAGNESIA. SAPROCHI S. A., Geneva, Switzerland.
Filed June 15, 1936. Serial No. 379,766. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,748. PORTLAND CEMENT. SOCIÉTÉ GÉNÉRALE DES CIMENTS PORTLAND DE L'ESCAUT, SOCIÉTÉ ANONYME, Autoing. near Tournai, Belgium.
Filed July 22, 1936. Serial No. 381,325. PUBLISHED NOVEMBER 10, 1936. Class 12.

342,749. AUTOMOBILE REAR VIEW MIRRORS. PORTER E. STONE, Detroit, Mich.
Filed July 24, 1936. Serial No. 381,431. PUBLISHED NOVEMBER 17, 1936. Class 19.

342,750. WALL SOAP PULVERIZER AND DISPENSER. VOORHIS-TIEBOUT COMPANY, INC., Rhinebeck, N. Y.
Filed July 29, 1936. Serial No. 381,594. PUBLISHED NOVEMBER 17, 1936. Class 13.

342,751. NEWSPAPER SECTION. AMERICAN NEWSPAPERS, INC., New York, N. Y.
Filed April 25, 1936. Serial No. 377,626. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,752. PRINTED, PUBLISHED, AND DISTRIBUTED TABLOID MONTHLY TRADE PERIODICAL. AUTOMOTIVE RETAILER PUBLISHING CORPORATION, New York, N. Y.
Filed April 28, 1936. Serial No. 377,733. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,753. CARROTING COMPOSITION FOR TREATING FURS. JOHN E. AWAD, doing business as John E. Awad Chemical Co., Newark, N. J.
Filed August 28, 1936. Serial No. 382,654. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,754. TOBACCO PRODUCTS, PARTICULARLY CIGARS. BAYUK CIGARS INCORPORATED, Philadelphia, Pa.
Filed May 15, 1936. Serial No. 378,472. PUBLISHED NOVEMBER 17, 1936. Class 17.

342,755. CONCENTRATE OF FRUIT, TREATED BY A SECRET PROCESS AND INTENDED FOR INTERNAL USE FOR THE TREATMENT OF CERTAIN GLANDULAR ILLS OF THE HUMAN BODY. BRIX-IMPEXO CORPORATION, Chicago, Ill.
Filed September 3, 1936. Serial No. 382,858. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,756. CONCENTRATE OF FRUIT TREATED BY A SECRET PROCESS AND INTENDED FOR INTERNAL USE FOR THE TREATMENT OF CERTAIN GLANDULAR ILLS OF THE HUMAN BODY. BRIX-IMPEXO CORPORATION, Chicago, Ill.
Filed September 3, 1936. Serial No. 382,859. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,757. CONCENTRATE OF FRUIT TREATED BY A SECRET PROCESS AND INTENDED FOR INTERNAL USE FOR THE TREATMENT OF CERTAIN GLANDULAR ILLS OF THE HUMAN BODY. BRIX-IMPEXO CORPORATION, Chicago, Ill.
Filed September 3, 1936. Serial No. 382,860. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,758. LIQUID WAVE SET, WAVE SET POWDER, HAIR OIL, BRILLIANTINE, AND HAND LOTION. GEO. L. BURG, doing business as Imperial Manufacturing Company, St. Paul, Minn.
Filed March 27, 1935. Serial No. 363,037. PUBLISHED MAY 21, 1935. Class 6.

342,759. ROCK WOOL USED AS AN INSULATION FOR BUILDINGS, PARTICULARLY RESIDENTIAL BUILDINGS. CHAMBERLIN METAL WEATHER STRIP COMPANY, Detroit, Mich.
Filed September 2, 1936. Serial No. 382,821. PUBLISHED NOVEMBER 10, 1936. Class 12.

342,760. ELECTRIC LIGHTING FIXTURES, I. E., GLOBES AND SHADES. M. B. CHERNIAK MFG. CO., INC., New York, N. Y.
Filed April 22, 1936. Serial No. 377,497. PUBLISHED NOVEMBER 17, 1936. Class 34.

342,761. SHOES MADE OF LEATHER, LEATHER AND FABRIC, AND THE COMBINATION OF LEATHER, RUBBER, AND FABRIC. THE WALKER T. DICKERSON COMPANY, Columbus, Ohio.
Filed July 15, 1936. Serial No. 381,025. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,762. FROZEN CONFECTIONERY, INCLUDING CHOCOLATE COATED ICE CREAM BARS. ESKIMO PIE CORPORATION, Brooklyn, N. Y.
Filed May 10, 1935. Serial No. 364,764. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,763. CHEMICALS ADAPTED FOR TANNING MATERIALS AND CHEMICAL PRODUCTS SUITABLE FOR TANNING PURPOSES. GEIGY COMPANY, INC., New York, N. Y.
Filed October 23, 1935. Serial No. 370,703. PUBLISHED NOVEMBER 10, 1936. Class 6.

342,764. BARE AND INSULATED ELECTRICAL WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y.
Filed April 27, 1936. Serial No. 377,681. PUBLISHED NOVEMBER 3, 1936. Class 21.

342,765. [WITHDRAWN.]

342,766. FLOUR, PARTICULARLY WHEAT FLOUR, SELF RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. GENERAL MILLS, INC., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,930. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,767. GIN LIQUORS. GLASER BROS., San Francisco, Calif.
Filed November 30, 1935. Serial No. 372,134. PUBLISHED NOVEMBER 10, 1936. Class 49.

342,768. MEN'S AND BOYS' UNDERSHIRTS. GLENDALE SHIRT CO., INC., New York, N. Y.
Filed July 8, 1936. Serial No. 380,765. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,769. TOILET PAPER. GOLCO SANITARY SYSTEM, INC., Philadelphia, Pa.
Filed June 26, 1936. Serial No. 380,275. PUBLISHED NOVEMBER 17, 1936. Class 37.

342,770. PETROLEUM AND ITS PRODUCTS—NAMELY, FUEL OIL, GASOLINE, KEROSENE, NAPHTHA, LUBRICATING OILS, MOTOR OILS, LUBRICATING OILS FOR INDUSTRIAL USE, PETROLEUM COAL AND COKE SPRAYING OILS, PENETRATING LUBRICATING OILS, ELECTRIC MOTOR OIL, HOUSEHOLD LUBRICANT, MINERAL WAXES, AND LUBRICATING GREASES. GULF OIL CORPORATION OF PENNSYLVANIA, now by change of name to Gulf Oil Corporation, Pittsburgh, Pa.
Filed April 16, 1936. Serial No. 377,271. PUBLISHED NOVEMBER 10, 1936. Class 15.

342,771. NEWSPAPER COMIC STRIP. GUS JUD, Jamaica, N. Y.
Filed September 2, 1936. Serial No. 382,834. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,772. BEER, ALE, AND PORTER. KUEBLER BREWING COMPANY, INC., Easton, Pa.
Filed June 29, 1936. Serial No. 380,401. PUBLISHED NOVEMBER 17, 1936. Class 48.

342,773. NON-ALCOHOLIC CARBONATED BEVERAGES. MARION L. J. LAMBERT, doing business as Lambert Bottling Equipment Co., St. Louis, Mo.
Filed May 8, 1936. Serial No. 378,211. PUBLISHED NOVEMBER 17, 1936. Class 45.

342,774. WOMEN'S AND GIRLS' SKIRTS, WAISTS, SUITS, COATS, AND PAJAMAS; CHILDREN'S ROMPERS, DRESSES, AND SUITS; MEN'S AND BOYS' SUITS, COATS, AND TROUSERS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed January 15, 1936. Serial No. 373,697. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,775. WOMEN'S AND GIRLS' SKIRTS, WAISTS, SUITS, COATS, AND PAJAMAS; CHILDREN'S ROMPERS, DRESSES, AND SUITS; MEN'S AND BOYS' SUITS, COATS, AND TROUSERS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed January 16, 1936. Serial No. 373,738. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,776. LADIES' UNDERWEAR. MILBERG & MILBERG, New York, N. Y.
Filed September 4, 1936. Serial No. 382,924. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,777. PEAT MOSS. PEAT IMPORT CORPORATION, New York, N. Y.
Filed September 4, 1936. Serial No. 382,928. PUBLISHED NOVEMBER 17, 1936. Class 1.

342,778. QUARTERLY MOTION PICTURE MAGAZINE. QUIGLEY PUBLISHING COMPANY, INC., New York, N. Y.
Filed August 31, 1936. Serial No. 382,766. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,779. LUBRICATING OILS. SPECIALTY PRODUCTS COMPANY, Jersey City, N. J.
Filed September 9, 1936. Serial No. 383,074. PUBLISHED NOVEMBER 10, 1936. Class 15.

342,780. LUBRICATING OILS FOR CUTTING TOOLS. SPECIALTY PRODUCTS COMPANY, Jersey City, N. J.
Filed September 9, 1936. Serial No. 383,076. PUBLISHED NOVEMBER 10, 1936. Class 15.

342,781. COLLOIDAL PHOSPHATIC CLAY. SUPERIOR PHOSPHATE COMPANY, Dunnellon, Fla.
Filed April 7, 1936. Serial No. 376,925. PUBLISHED JULY 21, 1936. Class 1.

342,782. PERIODICAL. THE SYNDICATE STORE MERCHANDISER, INC., Newark, N. J., and New York, N. Y.
Filed September 9, 1936. Serial No. 383,077. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,783. PACKAGED FOODS—NAMELY, PEARL BARLEYS, BROWN BUCKWHEAT, BUCKWHEAT FLOUR, GREEN SPLIT PEAS, ETC. S. TANNENBAUM, Chicago, Ill.
Filed April 23, 1936. Serial No. 377,558. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,784. PERIODICAL. THE TEA AND COFFEE TRADE JOURNAL CO., New York, N. Y.
Filed September 5, 1936. Serial No. 382,965. PUBLISHED NOVEMBER 10, 1936. Class 38.

342,785. MALTLESS, NON-ALCOHOLIC BEVERAGE AND SYRUP AND EXTRACTS IN MAKING SAME. SAM TERRY, doing business as Valley of the Moon Fruit Juice Co., Oakland, Calif.
Filed August 23, 1935. Serial No. 368,636. PUBLISHED NOVEMBER 17, 1936. Class 45.

342,786. SUPER-CALENDERED SULPHITE PAPER USED FOR WRAPPING OR BAG-MAKING PURPOSES. THILMANY PULP & PAPER COMPANY, Kaukauna, Wis.
Filed October 5, 1935. Serial No. 370,068. PUBLISHED NOVEMBER 17, 1936. Class 37.

342,787. MECHANICAL PRESSURE ATOMIZING FUEL OIL BURNERS AND AIR REGISTERS. TODD COMBUSTION EQUIPMENT, INC., Brooklyn, N. Y.
Filed April 11, 1936. Serial No. 377,132. PUBLISHED NOVEMBER 17, 1936. Class 34.

342,788. LADIES' DRESSES, CLOAKS, AND SUITS. TORCH FROCKS, INC., New York, N. Y.
Filed September 5, 1936. Serial No. 382,967. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,789. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS SOFT DRINK, SIRUP AND EXTRACT FOR MAKING THE SAME. C. E. TREES & Co. INC., Indianapolis, Ind.
Filed September 8, 1936. Serial No. 383,041. PUBLISHED NOVEMBER 17, 1936. Class 45.

342,790. THERAPEUTIC ELECTRIC LAMPS. U. V. R. LABORATORIES, INC., New York, N. Y.
Filed April 3, 1936. Serial No. 376,783. PUBLISHED NOVEMBER 17, 1936. Class 44.

342,791. MEN'S AND WOMEN'S OUTER GARMENTS—NAMELY, SUITS, TOP COATS, AND OVERCOATS. THE UNITED WOOLEN COMPANY, Columbus, Ohio.
Filed September 8, 1936. Serial No. 383,043. PUBLISHED NOVEMBER 17, 1936. Class 39.

342,792. POTATO CHIPS. WILLIAM D. UTZ, Hanover, Pa.
Filed April 18, 1935. Serial No. 363,953. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,793. SHERRY. JULIUS WILE SONS & Co., INC., New York, N. Y.
Filed May 6, 1936. Serial No. 378,105. PUBLISHED NOVEMBER 17, 1936. Class 47.

342,794. SILK, COTTON, AND RAYON PIECE GOODS, AND COMBINATIONS THEREOF. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y.
Filed August 28, 1936. Serial No. 382,691. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,795. SILK, COTTON, AND RAYON PIECE GOODS, AND COMBINATIONS THEREOF. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y.
Filed August 28, 1936. Serial No. 382,693. PUBLISHED NOVEMBER 17, 1936. Class 42.

342,796. SILK, COTTON, AND RAYON PIECE GOODS, AND COMBINATIONS THEREOF. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y.
Filed August 28, 1936. Serial No. 382,695. PUBLISHED NOVEMBER 17, 1936. Class 42.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

342,797. (CLASS 47. WINES.) A. CARBONE & COMPANY, INC., Denver, Colo. Filed Mar. 30, 1936. Serial No. 376,571.

Carbone

For Wines.
Claims use since Dec. 6, 1933.

342,798. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) F. L. & J. C. CODMAN COMPANY, Rockland, Mass. Filed Oct. 10, 1936. Serial No. 384,190.

NONFRAY

For Buffing Wheels.
Claims use since Sept. 1, 1933.

342,799. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HADLEY COMPANY, Springfield, Mass. Filed Nov. 4, 1935. Serial No. 371,152.

Remington

For Radio Receiving Sets.
Claims use since Oct. 1, 1935.

342,800. (CLASS 39. CLOTHING.) MODEL SHOE COMPANY, Cincinnati and Norwood, Ohio. Filed Aug. 24, 1936. Serial No. 382,517.

Model SHOE STORES

For Men's, Boys', Women's, and Children's Shoes Made of Leather, and Men's and Women's Hosiery.
Claims use since Jan. 1, 1916.

342,801. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich. Filed Mar. 30, 1936. Serial No. 376,600.

Nukrome

For Valves for Internal-Combustion Engines.
Claims use since Dec. 1, 1935.

342,802. (CLASS 31. FILTERS AND REFRIGERATORS.) NOVADEL-AGENE CORPORATION, Belleville, N. J. Filed Nov. 26, 1935. Serial No. 372,023.

KOOLER-KEG

For Beer Cooling Apparatus.
Claims use since March, 1934.

342,803. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) UNITED AMERICAN BOSCH CORPORATION, Springfield, Mass. Filed Nov. 28, 1936. Serial No. 386,086.

NO-Tank

For Hot Water Heaters Employing Gas.
Claims use since Oct. 9, 1935.

342,804. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE V. WILLOUGHBY, Seattle, Wash. Filed Sept. 30, 1935. Serial No. 369,868.

STA-PRESS

For Solution to be Applied to Fabrics Preparatory to Pressing, to Cause the Fabric to Retain the Press.
Claims use since Mar. 28, 1935.

TRADE-MARK REGISTRATIONS RENEWED

103,399. A MEDICINAL COMPOUND FOR DISEASES OF WOMEN. Registered March 30, 1915. SANSBY BROTHERS. Renewed March 30, 1935, to Harry Sansby, doing business as Sansby Brothers, St. Paul, Minn., successor.

112,068. A HAIR-DYE. Registered August 22, 1916. FELIX MARTIN ESPINOSA RENDON, Laredo, Tex. Renewed August 22, 1936, to Natalia Sevilla de Espinosa Rendon, doing business as F. M. Espinosa R., Sucr., Mexico, D. F., Mexico, successor.

113,932. COATS, TROUSERS, VESTS, LEGGINGS, HATS, AND CAPS. Registered November 14, 1916. ALWARD-ANDERSON-SOUTHARD CO. Renewed November 14, 1936, to Red Head Brand Company, Chicago, Ill., a corporation of Illinois, by change of name.

114,097. BEARD-SOFTENER IN PASTE FORM. Registered November 28, 1916. A. J. KRANK MANUFACTURING COMPANY. Renewed November 28, 1936, to A. J. Krank Company, St. Paul, Minn., a corporation of Delaware, assignee.

114,129. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered December 5, 1916. ALEXANDER DRUG CO., Oklahoma City, Okla., a corporation of Oklahoma. Renewed December 5, 1936.

114,181. CARBON-PAPER AND TYPE-WRITER RIBBONS. Registered December 5, 1916. REMINGTON TYPEWRITER COMPANY, Ilion and New York, N. Y. Renewed December 5, 1936, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee.

114,292. LADIES' SKIRTS, MACKINAW COATS, DRESSES, AND CAPES. Registered December 5, 1916. SHEUERMAN BROS., Des Moines, Iowa, a corporation of Iowa. Renewed December 5, 1936.

114,341. CANNED SALMON. Registered December 12, 1916. EVERETT PACKING CO. Renewed December 12, 1936, to Fishermen's Packing Corporation, Everett, Wash., a corporation of Washington, assignee.

114,342. CANNED SALMON. Registered December 12, 1916. EVERETT PACKING CO. Renewed December 12, 1936, to Fishermen's Packing Corporation, Everett, Wash., a corporation of Washington, assignee.

114,343. CANNED SALMON. Registered December 12, 1916. EVERETT PACKING CO. Renewed December 12, 1936, to Fishermen's Packing Corporation, Everett, Wash., a corporation of Washington, assignee.

114,483. CERTAIN NAMED FOODS. Registered December 19, 1916. JETT & WOOD. Renewed December 19, 1936, to The Jett & Wood Mercantile Co., Wichita, Kans., a corporation of Kansas, assignee.

114,495. CONCRETE-MIXERS, CONCRETE-DISTRIBUTING MACHINES, LOADING-SKIPS, CONCRETE-DISTRIBUTING CHUTES, PAVING MACHINES. Registered December 19, 1916. Koehring Machine Co. Renewed December 19, 1936, to Koehring Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

114,525. A MEAT AND FISH PRESERVER IN THE FORM OF A WOOD-DISTILLATE. Registered December 19, 1916. BOISE R. MURPHY, Meade, Kans. Renewed December 19, 1936, to M-B-S Chemical Company, Pratt, Kans., a partnership, assignee.

114,604. CERTAIN NAMED CONSTRUCTION MATERIALS. Registered December 19, 1916. THE A. WILHELM COMPANY, Reading, Pa. Renewed December 19, 1936, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee.

114,605. CERTAIN NAMED CONSTRUCTION MATERIALS. Registered December 19, 1916. THE A. WILHELM COMPANY, Reading, Pa. Renewed December 19, 1936, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee.

114,808. CERTAIN NAMED CLOTHING FOR MEN, WOMEN, AND CHILDREN. Registered January 2, 1917. MORRIS & COMPANY. Renewed January 2, 1937, to Morris & Company, Inc., Baltimore, Maryland, a corporation of Maryland, assignee.

114,894. KNITTED UNDERWEAR IN ONE AND TWO PIECE GARMENTS. Registered January 9, 1917. LAX & BURGHEIMER INC'C. Renewed January 9, 1937, to Lax & Burgheimer Corporation, New York, N. Y., a corporation of New York, assignee.

114,931. FELT WASHERS. Registered January 16, 1917. T. R. BRAWLEY. Renewed January 16, 1937, to T. R. Brawley Felt Company, Inc., Brooklyn, N. Y., a corporation of New York, assignee.

114,974. A COVERING MADE OF HAIR AND CANVAS AND PLACED OVER HOT-WATER BOILERS TO HOLD THE HEAT. Registered January 16, 1917. H. W. JOHNS-MANVILLE Co. Renewed January 16, 1937, to Johns Manville Corporation, New York, N. Y., a corporation of New York, assignee.

115,107. CHEWING-GUM OR CANDIED CHEWING-GUM. Registered January 23, 1917. RUECKHEIM BROS. & ECKSTEIN. Renewed January 23, 1937, to The Cracker Jack Co., Chicago, Ill., a corporation of Illinois, assignee.

115,180. METAL-PICKLING COMPOUNDS AND INGREDIENTS THEREOF. Registered January 30, 1917. THE GRASELLI CHEMICAL COMPANY, Cleveland, Ohio. Renewed January 30, 1937, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

115,294. SHIRTS, PAJAMAS, NIGHTGOWNS, AND UNDERWEAR. Registered February 6, 1917. BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif., a corporation of California. Renewed February 6, 1937.

115,418. CERTAIN NAMED RUBBER GOODS. Registered February 6, 1917. UNITED DRUG COMPANY. Renewed February 6, 1937, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

115,430. EXPANDED METAL. Registered February 20, 1917. THE BERGER MANUFACTURING COMPANY, Canton, Ohio. Renewed February 20, 1937, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey, assignee by mesne assignments.

115,578. SOAPS. Registered February 27, 1917. BARCLAY & BARCLAY. Renewed February 27, 1937, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York, assignee.

115,608. CIGARS. Registered February 27, 1917. M. A. GUNST & Co., Incorporated, Portland, Maine, and New York, N. Y. Renewed February 27, 1937, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

115,740. CHOCOLATE. Registered March 6, 1917. CLARENCE A. CRANE, Cleveland, Ohio. Renewed March 6, 1937, to Bessie M. Crane, Chagrin Falls Village, Ohio, successor.

115,747. A CHEMICAL COMPOUND HAVING BACTERICIDE ACTION, AND BEING PARTICULARLY USED FOR THE TREATMENT OF GONORRHEA. Registered March 6, 1917. FARBWERKE VORM. MEISTER LUCIUS & BRÜNING, Hochst-on-the-Main, Germany. Renewed March 6, 1937, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

115,755. DRESSES. Registered March 6, 1917. GOLDMAN COSTUME COMPANY. Renewed March 6, 1937, to Betty Wales Inc., New York, N. Y., a corporation of New York, assignee.

115,884. A CHEMICAL COMPOUND USED FOR THE TREATMENT OF TUBERCULOUS DISEASES. Registered March 20, 1917. FARBWERKE VORM. MEISTER LUCIUS & BRÜNING, Hochst-on-the-Main, Germany. Renewed March 20, 1937, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

115,965. BREAD, BISCUITS, CRACKERS, WAFERS, COOKIES, CANDIES, COCOA, AND CHOCOLATE. Registered March 27, 1917. ALEXANDER HORLICK, Milwaukee, Wis. Renewed March 27, 1937, to Horlick's Malted Milk Corporation, Racine, Wis., a corporation of Delaware, assignee by mesne assignments.

116,073. WOVEN AND KNITTED SILK AND CRAPE PIECE GOODS. Registered April 3, 1917. H. R. MALLINSON & Co. Renewed April 3, 1937, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

116,114. SINGLE AND DUPLEX STEAM-PUMPS, JET AND BILGE PUMPS, AND AIR-COMPRESSORS. Registered April 10, 1917. BLAKESLEE MANUFACTURING Co. Renewed April 10, 1937, to Robert J. Forester, doing business as Blakeslee Pump Company, Du Quoin, Ill., successor.

116,149. SILK PIECE GOODS. Registered April 10, 1917. H. R. MALLINSON & Co. Renewed April 10, 1937, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

116,151. DETERGENT PREPARATION FOR CLEANING, SCOURING, OR POLISHING. Registered April 10, 1917. ENOCH MORGAN'S SONS COMPANY, New York, N. Y., a corporation of New York. Renewed April 10, 1937.

116,220. GOLF-BALLS. Registered April 17, 1917. THE INDIA-RUBBER, GUTTA PERCHA & TELEGRAPH WORKS COMPANY LIMITED, London, England. Renewed April 17, 1937, to John Wanamaker New York, New York, N. Y., a corporation of New York, assignee.

116,325. STOCK FEED COMPOSED WHOLLY OR MAINLY OF GRAINS AND SEEDS OR MIXTURES THEREOF. Registered April 24, 1917. CHAS. A. KRAUSE MILLING CO., Greenfield, Wis. Renewed April 24, 1937, to Chas. A. Krause Milling Co., Milwaukee, Wis., a corporation of Wisconsin.

116,398. PYROMETERS, TACHOMETERS, OPERATION-RECORDERS, THERMOMETERS, PRESSURE-GAGES, VACUUM-GAGES, VOLTMETERS, AMMETERS, AND WATTMETERS. Registered May 1, 1917. THE BROWN INSTRUMENT COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 1, 1937.

116,479. TOOTH-POWDER. Registered May 1, 1917. UNIVERSITY CHEMICAL Co. Renewed May 1, 1937, to Alfred N. Van Dyke, doing business as University Chemical Co., Philadelphia, Pa.

116,487. COATED LITHOGRAPHIC PAPER. Registered May 1, 1917. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y., a corporation of Delaware. Renewed May 1, 1937.

116,493. WOOLEN GOODS IN THE PIECE. Registered May 1, 1917. WORUMBO MANUFACTURING COMPANY, Lisbon Falls, Maine, a corporation of Maine. Renewed May 1, 1937.

116,540. A CLEANSING OR SCOURING CAKE OR POWDER. Registered May 8, 1917. ENOCH MORGAN'S SONS COMPANY, New York, N. Y., a corporation of New York. Renewed May 8, 1937.

116,557. TEA. Registered May 8, 1917. THE "SALADA" TEA COMPANY INCORPORATED, Portland, Maine, and Boston, Mass. Renewed May 8, 1937, to Salada Tea company, Inc., Boston, Mass., a corporation of Maine.

116,631. TABLETS FOR TREATMENT OF LA GRIPPE AND COLDS. Registered May 15, 1917. SHERWIN L. HASELTINE, Springfield, Mo. Renewed May 15, 1937.

116,681. MINERAL WAX. Registered May 15, 1917. PIERCE FORDYCE OIL ASSOCIATION, Dallas, Tex. Renewed May 15, 1937, to Sinclair Refining Company, New York, N. Y., a corporation of Maine, assignee by mesne assignments.

116,725. ABDOMINAL SURGICAL HEALTH-BELTS. Registered May 15, 1917. THE WEIL CORSET COMPANY, New Haven, Conn., a corporation of Connecticut. Renewed May 15, 1937.

116,730. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered May 15, 1917. THE A. WILHELM COMPANY, Reading, Pa. Renewed May 15, 1937, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee.

116,746. RUBBER BELTING, DUCK BELTING, RUBBER HOSE, DUCK HOSE, RUBBER, FLAX, AND ASBESTOS MACHINERY PACKING. Registered May 22, 1917. THE CINCINNATI RUBBER MANUFACTURING Co., Norwood, Ohio, a corporation of Ohio. Renewed May 22, 1937.

116,757. PAINTS, ESPECIALLY SHINGLE-PAINT. Registered May 22, 1917. HENRY A. GARDNER, Washington, D. C. Renewed May 22, 1937.

116,811. CERTAIN NAMED PAINTS AND PAINTERS' SUPPLIES. Registered May 22, 1917. THE A. WILHELM COMPANY, Reading, Pa. Renewed May 22, 1937, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee.

116,815. COTTON PIECE GOODS. Registered May 29, 1917. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Renewed May 29, 1937.

116,877. CLEANING FLUIDS. Registered June 5, 1917. THE BLEECKER COMPANY, Hempstead, N. Y., a corporation of New York. Renewed June 5, 1937.

LABELS

REGISTERED JANUARY 26, 1937

48,735.—*Title:* SALTED NUTS. For Salted Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published November 5, 1936.

48,736.—*Title:* LILAC. For Canned Corn. H. C. BAXTER & BRO., Brunswick, Maine. Published December 1, 1936.

48,737.—*Title:* LILAC. For Canned Baked Beans With Pork. H. C. BAXTER & BRO., Brunswick, Maine. Published December 1, 1936.

48,738.—*Title:* OLD "DOC" BROX HOREHOUND DROPS. For Candy Horehound Drops. E. J. BRACH & SONS, Chicago, Ill. Published September 11, 1936.

48,739.—*Title:* BIG BEN. For Ale. THE BRUCKMANN COMPANY, Cincinnati, Ohio. Published October 26, 1936.

48,740.—*Title:* MELOTONE. For Full Range Recordings. BRUNSWICK RECORD CORPORATION, New York, N. Y. Published September 14, 1936.

48,741.—*Title:* CAMEO CREPE. For Crepe Fabric. CAMEO FABRICS, New York, N. Y. Published August 1, 1936.

48,742.—*Title:* ROBINSON SHOE CO. FINE SHOES AND HOSIERY. For Hosiery. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published August 25, 1936.

48,743.—*Title:* CORRAL. For Fresh Citrus Fruits. CLEARWATER GROWERS ASSN., Clearwater, Fla. Published November 1, 1936.

48,744.—*Title:* PLENTY FOR ALL. For Coffee. CONTINENTAL RADIO FOUNDATION, INC., doing business as The Continental Radio Foundation, Seattle, Wash. Published February 2, 1935.

48,745.—*Title:* ELLISON. For a Preparation for Treating Corns, Callouses, and Bunions. MAMIE ELLISON, Pittsburgh, Pa. Published September 8, 1936.

48,746.—*Title:* FEHR'S MELLO ALE. For Ale. FRANK FEHR BREWING CO., INCORPORATED, Louisville, Ky. Published November 17, 1936.

48,747.—*Title:* FRANTZ SELECTED BAKERS. For Bakery Products. CHARTON C. FRANTZ, Pittsburgh, Pa. Published June 16, 1936.

48,748.—*Title:* TABLE HINTS. For Canned Salmon. GROCERS SERVICE CORPORATION, Chicago, Ill. Published October 22, 1936.

48,749.—*Title:* FRESH SUPER-FINE BREAD. For Bread. GENERAL BAKING COMPANY, New York, N. Y. Published November 15, 1936.

48,750.—*Title:* BOND BREAD—GUARANTEED FRESH. For Bread. GENERAL BAKING COMPANY, New York, N. Y. Published April 6, 1935.

48,751.—*Title:* GOLD MEDAL DOG FOOD. For Dog Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 17, 1936.

48,752.—*Title:* BISQUICK. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1936.

48,753.—*Title:* BISQUICK. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1936.

48,754.—*Title:* BISQUICK. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1936.

48,755.—*Title:* BISQUICK. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1936.

48,756.—*Title:* BISQUICK. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1936.

48,757.—*Title:* BISQUICK. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1936.

48,758.—*Title:* TABLE HINTS. For Canned Tomatoes. GROCERS SERVICE CORPORATION, Chicago, Ill. Published October 22, 1936.

48,759.—*Title:* TABLE HINTS. For Canned Cherries. GROCERS SERVICE CORPORATION, Chicago, Ill. Published October 22, 1936.

48,760.—*Title:* TABLE HINTS. For Canned Peas. GROCERS SERVICE CORPORATION, Chicago, Ill. Published October 22, 1936.

48,761.—*Title:* TABLE HINTS. For Canned Peaches. GROCERS SERVICE CORPORATION, Chicago, Ill. Published October 22, 1936.

48,762.—*Title:* TABLE HINTS. For Pears. GROCERS SERVICE CORPORATION, Chicago, Ill. Published October 22, 1936.

48,763.—*Title:* HAMER INDIVIDUAL PUFFS. For Powder Puffs. EDNA HAMER, doing business as Hamer Individual Puff Co., Murdo, S. Dak. Published November 12, 1936.

48,764.—*Title:* MME. WISE WONDER HAIR GROWER. For Hair Grower. LOTTIE HARRIS, doing business as Mme. Wise, Corona, N. Y. Published September 28, 1936.

48,765.—*Title:* MORRHU-COMP. For Unguentum. HART DRUG CORPORATION, Miami, Fla. Published November 23, 1936.

48,766.—*Title:* MORRHU-COMP. For Unguentum. HART DRUG CORPORATION, Miami, Fla. Published November 23, 1936.

48,767.—*Title:* IPSAB FOR BLEEDING GUMS. For a Liquid for Treating Bleeding Gums. HEALTH HOME REMEDIES CORP., Norfolk, Va. Published September 1, 1936.

48,768.—*Title:* DREAMLAND. For Mattresses. R. C. HELLER COMPANY, INC., Baltimore, Md. Published April 25, 1932.

48,769.—*Title:* SLEEP-GOOD. For Mattresses. R. C. HELLER COMPANY, INC., Baltimore, Md. Published June 15, 1929.

48,770.—*Title:* RESTRITE. For Mattresses. R. C. HELLER COMPANY, INC., Baltimore, Md. Published June 15, 1929.

48,771.—*Title:* LEISURE LADY. For Prepared Wax. EDWARD C. JAMES, Houston, Tex. Published October 1, 1936.

48,772.—*Title:* LAS PALMAS. For Cigars. LA YEBANA COMPANY, INC., Sampaloc, Manila, Philippine Islands. Published September 1, 1936.

48,773.—*Title:* LA YEBANA. For Cigars. LA YEBANA COMPANY, INC., Sampaloc, Manila, Philippine Islands. Published September 1, 1936.

48,774.—*Title:* MANISCHEWITZ PARVE. For Bread. MANCO BREADS, INC., Brooklyn, N. Y. Published October 31, 1936.

48,775.—*Title:* WILD HONEY. For Honey. MAXWELL BROTHERS, Pamplin, Va. Published May 21, 1936.

48,776.—*Title:* KALA-KLEAN. For a Liquid Cleaning Compound. PATTI R. MCNAIR, doing business as Kala-Klean Chemical Company, Kalamazoo, Mich. Published September 13, 1936.

48,777.—*Title:* COMFORTABLE SHEEPSKIN MOCCASINS. For Sheepskin Moccasins. MIDWEST SLIPPER MFG. CO., Chicago, Ill. Published October 30, 1936.

48,778.—*Title:* TANG. For Dressing for Salads, Fish, Oysters, Crabs, Cold Meats and Sausages. NALLEY'S, INC., Tacoma, Wash. Published February 15, 1936.

48,779.—*Title:* PHARMCO. For Grain Alcohol. PUBLICKER COMMERCIAL ALCOHOL COMPANY, Philadelphia, Pa. Published October 29, 1936.

48,780.—*Title:* ENERGIZE—BREAD IS A GO FOOD. For Bread. QUALITY BAKERS OF AMERICA, New York, N. Y. Published September 21, 1936.

48,781.—*Title:* CERTIGRADE RED CEDAR SHINGLES NO. 1 GRADE. For Red Cedar Shingles. RED CEDAR SHINGLE BUREAU, Seattle, Wash. Published February 16, 1935.

48,782.—*Title:* CERTIGRADE RED CEDAR SHINGLES NO. 2 GRADE. For Red Cedar Shingles. RED CEDAR SHINGLE BUREAU, Seattle, Wash. Published February 16, 1935.

48,783.—*Title:* GERTIGRADE RED CEDAR SHINGLES NO. 3 GRADE. For Red Cedar Shingles. RED CEDAR SHINGLE BUREAU, Seattle, Wash. Published February 16, 1935.

48,784.—*Title:* SAN ANTONIO PORTLAND CEMENT CO. RED BAG ALAMO. For Portland Cement. SAN ANTONIO PORTLAND CEMENT COMPANY, San Antonio, Tex. Published April 1, 1936.

48,785.—*Title:* SKINNER'S SHELL MACARONI. For Shell Macaroni. SKINNER MANFACTURING COMPANY, Omaha, Nebr. Published October 31, 1936.

48,786.—*Title:* MRS. SKINNER'S PURE EGG NOODLES. For Pure Egg Noodles. SKINNER MANUFACTURING COMPANY, Omaha, Nebr. Published October 31, 1936.

48,787.—*Title:* MANNING PASTEURIZED CREAMERY BUTTER NO. 607 O—S. For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published Sept. 8, 1936.

48,788.—*Title:* TREASURE CHEST OF PICTURE MAGIC. For Color and Cut-Out Sets. TREASURE CHEST PUBLICATIONS INC., Newark, N. J. Published September 25, 1936.

PRINTS

REGISTERED JANUARY 26, 1937

16,008.—*Title:* KIND GENT. WANTED. For Confectionery. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published October 23, 1936.

16,009.—*Title:* FREE 1-LB. PASHA NUTS. For Pasha Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published November 2, 1936.

16,010.—*Title:* NUTS 2U. For Confectionery and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published October 29, 1936.

16,011.—*Title:* PINE NUTS 29¢ LB. For Confectionery and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published November 6, 1936.

16,012.—*Title:* ROOM CHARM AT SMALL COST—BY RECIPE! For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published October 19, 1936.

16,013.—*Title:* TOUGH AS A HIPPO'S HIDE. For Felt Base Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published July 6, 1936.

16,014.—*Title:* THE HEART OF THE HIDE SHOES. For Shoes. THOMAS GAILORD & REYNOLDS, INC., New York, N. Y. Published October 28, 1936.

16,015—*Title:* NOW . . . PERFECT BAKINGS ALWAYS! For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1936.

16,016.—*Title:* THE JUSTIN SHOE. For Shoes. H. J. JUSTIN & SONS, INCORPORATED, doing business as H. J. Justin & Sons, Fort Worth, Tex. Published October 6, 1936.

16,017.—*Title:* TRAVELLER. For Handbag. PHILIP LOME, Chicago, Ill. Published November 23, 1936.

16,018.—*Title:* WHY YOUR FEET SHOULD BE SUPPORTED DIRECTLY UNDER THE CENTER OF BODY WEIGHT, WHAT HAPPENS WHEN YOUR FEET ARE NOT SUPPORTED DIRECTLY UNDER THE CENTER OF BODY WEIGHT. For Shoes. MUSEBECK SHOE COMPANY, Danville, Ill. Published September 5, 1936.

16,019.—*Title:* WANGAN CAMP TO THE WOODSMAN DEPARTMENT STORE TO YOU. For Woolen Cloth and Woolen Sports Apparel. OLD TOWN WOOLEN COMPANY, INC., Old Town, Maine. Published May 25, 1936.

16,020.—*Title:* NUTS TO U. For Shelled Nuts. MORRIS ROSENBERG, Los Angeles, Calif. Published September 15, 1936.

16,021.—*Title:* 31 POINT FALL DRIVING CHECK-UP. For An Automobile Lubricant. THE TEXAS DISTRIBUTING CO., Cleveland, Ohio. Published October 22, 1936.

16,022.—*Title:* 31 POINT FALL DRIVING CHECK-UP. For Automobile Fans, Hot Water Heaters, Radios, Tires, and Wiper Blades. THE TEXAS DISTRIBUTING CO., Cleveland, Ohio. Published October 29, 1936.

16,023.—*Title:* CLOTHES TO GROW IN. For Children's Clothes. RUTH STUART WHEELER, doing business as The Children's House, Boston, Mass. Published October 14, 1936.

16,024.—*Title:* BEST. For Pressure-Proof Lubricants. THE WHITMORE MANUFACTURING COMPANY, Cleveland, Ohio. Published November 7, 1936.

16,025.—*Title:* ORIGINATOR. For Pressure-Proof Lubricants. THE WHITMORE MANUFACTURING COMPANY, Cleveland, Ohio. Published November 14, 1936.

REISSUES

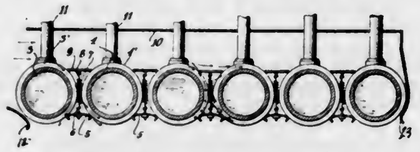
JANUARY 26, 1937

20,251
ENGINE COOLING DEVICE

Walter F. Davis, Farmingdale, N. Y., assignor, by mesne assignments, to Ranger Engineering Corporation, Farmingdale, Long Island, N. Y., a corporation of Delaware

Original No. 2,005,336, dated June 18, 1935, Serial No. 581,851, December 18, 1931. Application for reissue January 29, 1936, Serial No. 61,360

12 Claims. (Cl. 123—171)



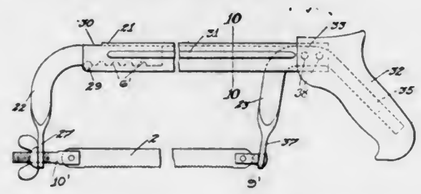
5. An internal combustion engine having spaced cylinders and adapted to be located in an air stream, a cowling substantially enclosing one side of said cylinders and having an opening for diverting a portion of the air stream into the cowling, and baffles between the cylinders providing restricted passages adjacent the cylinder walls for the flow of air under pressure from within the cowling to the opposite side of the cylinders.

20,252
HACKSAW FRAME CONSTRUCTION

Dwight E. Priest, Worcester, Mass., assignor to Parker Wire Goods Company, Worcester, Mass., a corporation of Massachusetts

Original No. 2,058,107, dated October 20, 1936, Serial No. 41,113, September 18, 1935. Application for reissue November 30, 1936, Serial No. 113,502

2 Claims. (Cl. 145—34)



2. In a frame construction for hack saws and the like, the combination with a channel-section member substantially paralleling the saw blade, of a pair of end members, each with a portion received within said channel-section member and each with a depending leg portion adapted to carry a saw blade retaining device, each of said end members, except at the extremity of its depending leg, being of relatively wide flat section in the plane of the saw frame, thereby to stiffen said frame in said plane, the leg extremity of each end member being of a relatively wide flat section substantially uniform with that of the remainder of said leg, but in a plane transverse to the saw frame plane, thereby to give sufficient width of stock for an aperture in said leg extremity to receive a saw blade retaining device, the stock of each end member in the zone of transition between the respective wide flat sections in said planes at right angles to each other being substantially without twist, whereby to maintain unimpaired the strength and stiffnesss of said end member, at least one of said end members being adjustable longitudinally, relative to said channel-section member.

20,253
CONTROL PEDAL

Ernest W. Richter, Chicago, Ill.

Original No. 2,040,672, dated May 12, 1936, Serial No. 581,407, December 16, 1931. Application for reissue November 2, 1936, Serial No. 108,840

10 Claims. (Cl. 200—59)



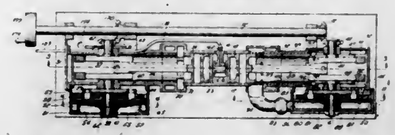
1. A control pedal including a lower part fulcrumed horizontally at the rear end for rocking in a fore-and-aft vertical plane and an upper part formed to support the foot of the operator and pivoted to the lower part for bodily turning movement thereon independently of said rocking movement about an axis approximately perpendicular to the general plane of its foot-supporting area and closely proximate to the rear end fulcrum of the lower part; said upper part including a saddle portion adjacent said rear end fulcrum shaped to fit under the arch of the operator's shoe and having laterally upstanding flanges whereby the operator's foot is engaged with said pivoted upper pedal part for effecting the turning movement about its pivot.

20,254
INTERNAL COMBUSTION ENGINE

William H. Robertson, Dayton, Ohio

Original application December 13, 1919, Serial No. 344,715. Divided June 14, 1928, Serial No. 285,414, now Patent No. 1,879,910, dated September 27, 1932. Application for reissue September 25, 1934, Serial No. 745,480

13 Claims. (Cl. 123—32)

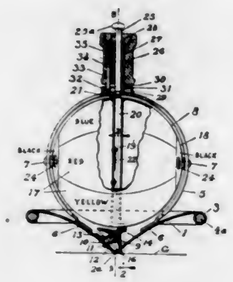


1. In an internal combustion engine, the combination with a cylinder and a piston reciprocating therein; of a crank shaft connected with the piston; a fuel pump comprising a cylinder having inlet and outlet ports, a pair of pistons, reciprocating in said cylinder, and mechanism positively connecting each piston with the crank shaft for separating the inner ends of the pistons

adjacent the inlet port, then moving the pistons in substantially constant spaced relation to positions adjacent the outlet port whereby to close off the inlet port and to open the outlet port, then moving the pistons together adjacent the outlet port, and then moving the same in substantially constant relation until the inner ends thereof are again adjacent the inlet port.

20,255
SPINNING TOP

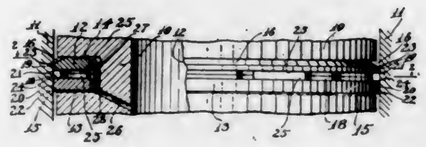
Edward S. Savage, Rochester, N. Y.
Original No. 2,051,748, dated August 18, 1936, Serial No. 76,209, April 24, 1936. Application for reissue October 20, 1936, Serial No. 106,700
32 Claims. (Cl. 46—49)



1. A spinning top comprising a spinning member mounted for rotation about a substantially vertical spinning axis, a second member mounted on and spinning bodily with said spinning member and also movable relatively thereto, rotary means carried by the said spinning member and operatively connected to said second member, said rotary means being adapted for ground contact at a point laterally offset with respect to said spinning axis, so that during the spinning of said spinning member said rotary means will be rotated by its ground contact and its rotation will move said second member relatively to said spinning member.

20,256
PISTON RING

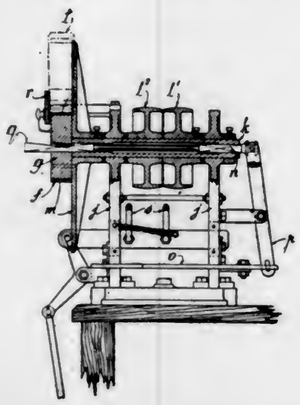
William Wuerfel, Philadelphia, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware
Original No. 1,813,792, dated July 7, 1931, Serial No. 480,786, September 9, 1930. Application for reissue July 8, 1931, Serial No. 549,530
17 Claims. (Cl. 309—45)



1. The combination with a cylinder, of a piston adapted to travel therein, having an annular ring-receiving groove, the defining walls of which are integral with each other, and of an axially divided, multi-piece, split, annular metallic piston-ring having an outer annular oil-collector groove in the outer cylindrical surface thereof, a plurality of peripherally distributed generally radial oil passageways, extending from said outer annular oil-collector groove through the piston-ring, into an oil chamber formed between the inner peripheral surface of the piston-ring and the inner wall of the ring-receiving groove; the dimensions of said radial passageways in a direction generally concentrically with the periphery of the ring being greater than their dimensions in a direction generally parallel to the axis of the ring, and lateral or axial clearance between piston ring and ring-receiving groove in excess of the normal clearance required to fit the piston-ring into said groove, sufficient to permit the formation and maintenance of a layer of oil in said lateral clearance between piston-ring and ring-receiving groove;—each of said ring members having an outer side-seating surface for side-seating engagement with the respective sidewalls of the ring-receiving groove, and the effective area of one of said two side-seating surfaces being substantially less than the effective area of the other of said side-seating surfaces.

20,257
LADDER WEB OF VENETIAN BLINDS

George Frederick French, Manchester, England, assignor to Thomas French & Sons Limited, Manchester, England
Original No. 1,980,048, dated November 6, 1934, Serial No. 610,565, May 11, 1932. Application for reissue October 21, 1936, Serial No. 106,928. In Great Britain June 16, 1931
9 Claims. (Cl. 242—55)

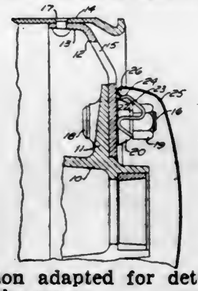


7. A Venetian blind ladder web or the like having two similar broad main tapes and provided with inter-connecting cross-tapes between the main tapes at intervals in its length a ring, said ladder web being reeled on said ring, the diameter of said ring being such that the difference in length of the two main tapes of the web in proximity to said ring is within the elastic limit of the web, whereby the web may be reeled and re-reeled without permanent distortion of the parts of the web, and the parts of the web when the latter is removed for use, will automatically resume their normal initial relative positions.

20,258
VEHICLE WHEEL

Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Original No. 2,037,237, dated April 14, 1936, Serial No. 37,561, August 23, 1935. Application for reissue June 22, 1936, Serial No. 86,588
14 Claims. (Cl. 301—108)

13. In a vehicle wheel including two separate annular parts secured to each other by a plurality of circumferentially spaced bolt and nut assemblies, a cover for concealing all of said assemblies, and means for attaching the cover to the wheel comprising an attaching clip having a base portion adapted to be pressed into resilient engagement with one of the assemblies and a



resilient extension adapted for detachable engagement with the cover.

PLANT PATENTS

GRANTED JANUARY 26, 1937

227
GLADIOLUS

Anna L. Miller, Nashport, Ohio
Application April 3, 1936, Serial No. 72,647
1 Claim. (Cl. 47—60)

The variety of gladiolus herein described and illustrated, characterized particularly by its long flower stems, its sparse leaf growth, its flowers having distinctive coloring as described and lavender-violet stamens, also by its odor.

228
HYBRID POPLAR

Ralph H. McKee, New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y., a corporation of New York
Original application August 26, 1930, Serial No. 477,979. Divided and this application April 15, 1935, Serial No. 16,454. Renewed October 14, 1936
1 Claim. (Cl. 47—59)

A new and distinct hybrid variety of poplar tree, as described, characterized by its rapid rate of growth even in the absence of fertilizers, its great fiber length, the substantially vertical hanging of its leaves, and its resistance to disease.

229
HYBRID POPLAR

Ralph H. McKee, New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y., a corporation of New York
Original application August 26, 1930, Serial No. 477,979. Divided and this application May 13, 1935, Serial No. 21,254
1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized particularly by its superior size and form, its dark green infantile leaves, its average fiber length of 0.80 mm. in one year old trees, its resistance to disease, and its 38 chromosomes.

230
HYBRID POPLAR

Ralph H. McKee, New York, N. Y., assignor to McKee Poplar Forestation, Inc., New York, N. Y., a corporation of New York
Original application August 26, 1930, Serial No. 477,979. Divided and this application June 28, 1935, Serial No. 28,956
1 Claim. (Cl. 47—59)

A new and distinct variety of poplar as described characterized by its superior size and form, its resistance to disease, and its 38 chromosomes.

PATENTS

GRANTED JANUARY 26, 1937

2,068,639

ELECTRICAL RAIL BOND

Alfred Alsaker and Joseph Rah, Chicago, Ill., assignors to Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois

Application May 3, 1930, Serial No. 449,522
7 Claims. (Cl. 173—278)



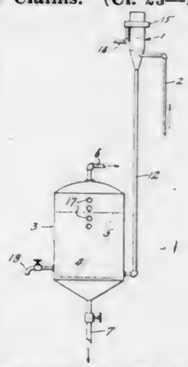
1. An electrical rail bond including, a flexible conductor wire, tubular connectors of less conductive material squeezed tightly over the ends of said flexible conductor, said connectors welded to the web of a rail, and a protective coating over the entire surface of the connectors providing a good contact between said wire and said connectors, and fusible at welding temperatures over the area of the weld, but capable of withstanding the temperatures attained by the connectors over the area thereof not welded.

2,068,640

APPARATUS FOR THE RECOVERY OF VALUES FROM ALUMINUM

Allen F. Baumbauer and William Culver, Long Beach, Calif.; said Culver assignor to said Baumbauer

Application August 5, 1935, Serial No. 34,776
7 Claims. (Cl. 23—267)



1. In an apparatus for the treatment of metallic aluminum, the combination of: an enclosed generator provided with spaced horizontal grids, a gas outlet from the top and a liquid outlet from the bottom; feeder means for introducing hot caustic and pieces of metallic aluminum into the generator at a point adjacent the lower grid and between said grids; a dilution tank communicating with said liquid outlet from said generator; settling and thickening means; conduit means connecting said dilution tank with said settling and thickening means; means for discharging aluminum hydrate from said thickening means; an evaporating means; means for separately discharging caustic solution from said thickening means into said evaporating means; and means for conducting caustic from said evaporating means into said feeder means.

2,068,641

SPALLING RESISTANT REFRACTORY BRICK

George Milroy Carrie, Montreal, Quebec, and James William Craig, Frank Eugene Lathe, and Arthur Clarence Halferdahl, Ottawa, Ontario, Canada

No Drawing. Application July 16, 1931, Serial No. 551,288. In Canada January 31, 1931
5 Claims. (Cl. 106—9)

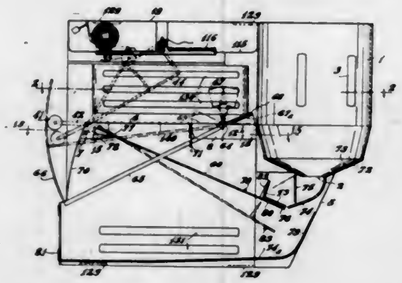
1. A spalling-resistant, refractory and chemically neutral, burned brick containing 15 to 50% of chrome iron ore, and 50 to 85% of a dead-burned magnesian clinker which contains 10 to 25% of lime, and consisting of coarse and fine particles of which the chrome iron ore is the coarse constituent.

2,068,642

IDENTIFICATION NEST FOR DOMESTIC FOWL

Philemon Duarte d'Almeida, Geneva, Switzerland

Application September 29, 1933, Serial No. 691,451
In Germany September 30, 1932
14 Claims. (Cl. 119—47)



1. An identification nest for domestic fowls comprising a nest chamber, a passageway leading to the nest chamber, record receiving means in the passageway, a lid movable to cover or expose said means, operating means connected to said lid and acted upon by a fowl on its way to the nest chamber for moving said lid to cover the record receiving means, a pivoted member adapted to be moved by the egg laid by the fowl, and means operatively connecting said pivoted member and said operating means whereby the record receiving means is exposed upon movement of said pivoted member and adapted to be acted upon by the fowl as it leaves the nest.

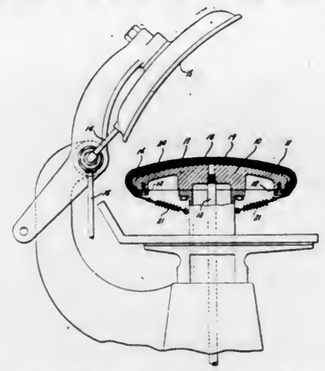
2,068,643

PRESSING ELEMENT

James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application August 29, 1935, Serial No. 38,395
5 Claims. (Cl. 38—25)

1. A pressing element comprising a base, a flexible distensible substantially fluid-tight cover member over said base, and covering means over said member including a layer of heat resisting material and a layer of moisture proof material,



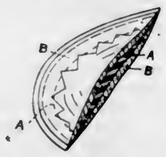
said heat resisting layer being nearer the cover member.

2,068,644

PAD FOR THE SHOULDERS OF WEARING APPAREL

Samuel Frais, London, England

Application October 22, 1935, Serial No. 46,153
In Great Britain January 23, 1935
1 Claim. (Cl. 2—268)



In a pad of a character dimensioned to be permanently incorporated in the shoulder of a coat and there subjected to the heat, moisture and pressure incidental to steam pressing, a core of sponge rubber presenting a relatively thick, crescent shaped body part at the thickest portion of the pad and tapering therefrom to a relatively thin edge and a covering of flexible padding material over said core, and stitched thereto, the crescent shape of the core causing the pad as a whole to present a concave under face, the sponge rubber permitting the ready passage of a needle therethrough without excessive clinging of the rubber to the needle during the stitching of the rubber and padding material together.

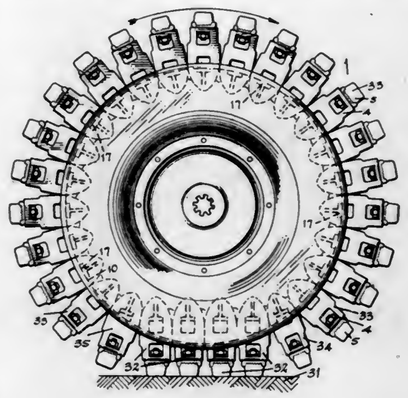
2,068,645

CRAWLER WHEEL

Clarence A. Henneuse, Bucyrus, Ohio

Application May 29, 1934, Serial No. 728,143
9 Claims. (Cl. 305—6)

1. In a vehicle supporting part, a plurality of traction elements, each traction element having curved bearing surfaces on opposite sides thereof and in contact with and rollable along the curved surfaces of the contiguous elements, the supporting part having a curved confining means that engages the elements for supporting the vehicle supporting part by transmission of pressure from the elements that engage the supporting surface over which the vehicle is adapted to move to the said means through the curved bearing surfaces, the curved bearing surfaces progressively tilting consecutive elements from positions of engagement with the confining means as the supporting surface is engaged by the traction



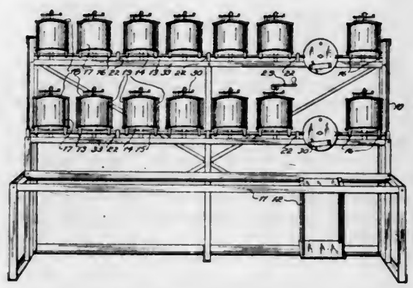
elements and the vehicle moves relative to the supporting surface.

2,068,646

COLOR MIXING MACHINE

Paul L. Hexter, Cleveland, Ohio, assignor to The Arco Company, Cleveland, Ohio, a corporation of Ohio

Application October 2, 1935, Serial No. 43,200
5 Claims. (Cl. 226—100)



1. In apparatus of the class described, the combination of a frame, a plurality of supports pivotally mounted on said frame, containers on said supports having open tops, covers tightly fitting the tops of said containers, means for clamping said containers in position between said supports and said covers, means for holding said containers in a substantially upright position or in position to pour out the contents thereof, each of said covers having a valve-controlled discharge orifice, and said frame having means to support another container in position to receive the material discharged from the orifices of any of the first mentioned covers.

2,068,647

COMBINED ANTISLIPPING MILK PAIL AND COWTAIL HOLDER

Joseph B. Hohmann, Jacksonville, Oreg.

Application September 16, 1935, Serial No. 40,826
3 Claims. (Cl. 31—54)

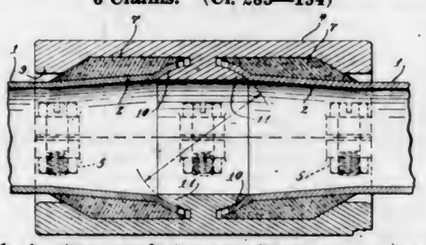
1. In combination with a milk pail, a plate secured to the side of the pail, said plate having a

roughened outer surface and a tongue, the latter



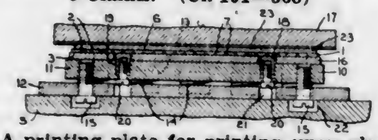
being spaced from the wall of the pail for purposes specified.

2,068,648
PIPE COUPLING
Michael J. Kaplan, Atlantic County, N. J.
Application August 13, 1935, Serial No. 35,934
6 Claims. (Cl. 285—194)



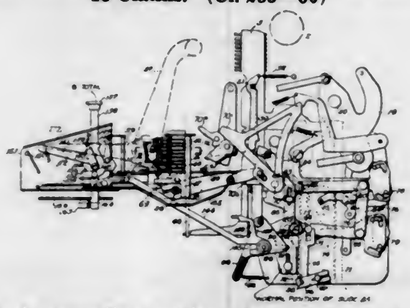
1. A pipe coupling comprising a pipe coned adjacent its end and flared at its end, 180° arcuate sectional casing members connected together and surrounding said coned and flared portions and having an internal flange integral with said members fitting snugly into said flared end, packing between said members and coned and flared pipe portions, said packing pressing said flared pipe portion tightly against said internal flange.

2,068,649
APPARATUS FOR PRINTING ON GLASS AND THE LIKE
Carl G. Anderson, Boston, Mass.
Application December 21, 1933, Serial No. 703,446
5 Claims. (Cl. 101—368)



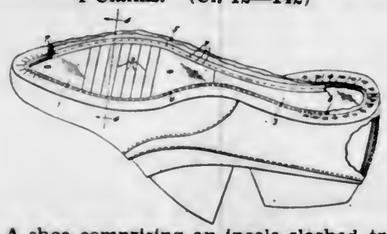
1. A printing plate for printing upon glass or the like comprising an integral metallic sheet of uniform thickness with a flat face having means for printing a design, the body of the sheet being provided with intersecting channels extending from the reverse face of the sheet into proximity to the printing face, thereby rendering the printing-surface zone flexible and dividing the body into a multiplicity of small pressure-transmitting areas operable when the printing face is imposed upon the surface to be printed and pressure applied to said pressure-transmitting areas to cause such flexure of the printing-surface zone as to insure uniform impression of the design upon the surface of the glass and to avoid unequal pressure upon the glass which would be likely to cause it to fracture.

2,068,650
DUPLEX ADDING MACHINE
Walter A. Anderson, Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application January 6, 1933, Serial No. 650,394
13 Claims. (Cl. 235—60)



1. A computing machine having, in combination, an item-setting keyboard; two totalizers; means for actuating the totalizers in accumulating and totaling operations; and means for controlling the totalizers in accumulating and totaling operations, the last mentioned means including a control member having one position wherein it selects one totalizer and another position wherein it selects the other totalizer, means for automatically enabling said other totalizer when an item is set up, means for automatically disabling said automatic enabling means when no item is set up, and a key and connections for moving said control member into its second-mentioned position.

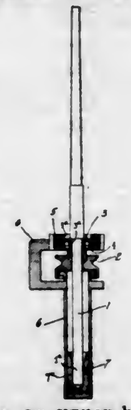
2,068,651
SHOE AND PROCESS OF MAKING SAME
Richard W. Bowen, Jerseyville, Ill., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 12, 1933, Serial No. 670,633
4 Claims. (Cl. 12—142)



1. A shoe comprising an insole slashed transversely at its forepart, a strip of material sewed on the lower surface of the insole inwardly of the margin thereof and extending from the heel portion around the shank and forepart of the shoe, an upper having a marginal edge turned over the marginal edge of the insole and against said strip and adhesively secured to the insole around the marginal area thereof exterior of said strip, and an outsole secured over the marginal edge of said upper and attached to said insole.

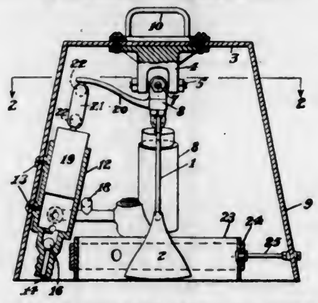
4. The method of making shoes which comprises supplying an insole which is slashed transversely from edge to edge to increase its flexibility and has a strip secured to its outer surface to form a lasting rib, applying cement to the marginal portions of the insole and a shoe upper, assembling the insole and upper on a last, working the marginal portion of the upper over the insole and into lasted position against the rib, attaching said marginal portion to the rib to hold the upper in lasted position while the cement is setting, and trimming off the attached portions of the upper and rib thereby preparing the shoe bottom for receiving an outsole.

2,068,652
HIGH SPEED SPINDLE AND BEARING MEANS FOR THE SAME
Koloman Brüll, New York, N. Y.
Application June 11, 1934, Serial No. 730,019
In Italy April 2, 1926
17 Claims. (Cl. 308—228)



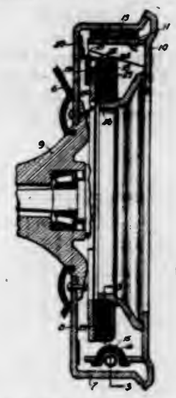
1. In a spindle, an upper bearing therefor at a fixed point along the spindle and lying in a plane at right angles to the spindle, means mounting said bearing for yieldably counteracting radial and upwardly axial motions of the spindle, means including a lower bearing for supporting the spindle and maintaining centralized the lower portion of the spindle, the lower bearing being radially relatively non-yieldably mounted, and means for rotating the spindle, as set forth.

2,068,653
WAVE OPERATED PUMP
Lars Brynild, Boston, Mass.
Application June 22, 1935, Serial No. 27,930
4 Claims. (Cl. 103—71)



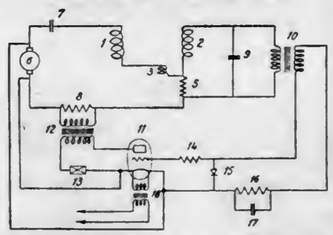
1. In a wave operated pump for vessels, a support and a pump including a cylinder and a plunger mounted to follow the motion of said vessel, said pump being adapted to be operated by substantially vertical reciprocation, a weighted member, a universal joint connecting said weighted member to said support, means connecting said weighted member and said plunger, and said means comprising an arm on said member and a link, said link being connected to said arm and said plunger by universal joints.

2,068,654
ELECTROMAGNETIC FRICTION DEVICE
Addi B. Cadman, Beloit, Wis.
Application December 10, 1934, Serial No. 756,760
8 Claims. (Cl. 188—140)



1. An electromagnetic friction device combining a magnet ring having two concentric pole faces disposed in a plane perpendicular to the ring axis, an annular winding carried by said ring and disposed between said poles, and a second ring of magnetic material adapted to be brought into frictional gripping engagement with said first ring and overlying said poles so as to form a magnetic flux circuit encircling all sections of said winding, said second ring comprising relatively movable sections adapted to lie flat against the face of the magnet when the latter is energized but stressed to spring away from one of said pole faces and define a conical surface when the magnet is deenergized.

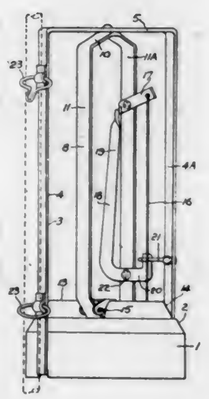
2,068,655
RAILWAY SIGNALING SYSTEM
Henri Chireix and Paul Nicolas, Paris, France, assignors to Société Francaise Radio Electrique, a corporation of France
Application April 12, 1935, Serial No. 15,962
In France May 18, 1934
11 Claims. (Cl. 246—63)



1. A railway signaling system comprising apparatus installed on a train to be protected and

a circuit formed by the first axle of the said train which short circuits the rails and by a section of the rails located between the said first axle and a position along the track in advance of the train where another short-circuit of the rails is completed, the said apparatus comprising means for inducing in the rails an alternating current of sufficiently low frequency to cause the capacitative admittance between the rails to be small in comparison with the leakage conductance, separate means for collecting the current energy circulating in the said rails and distinct means actuated by the current collected for indicating that the length of the section of the rails in which the current flows, is below a predetermined value.

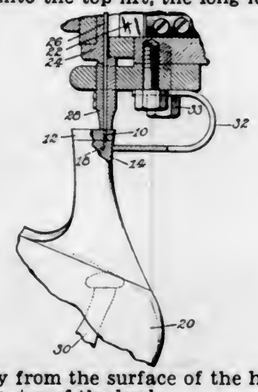
2,068,656
TRAP
Frank Ralph Conibear, Victoria, British Columbia, Canada
Application June 24, 1936, Serial No. 86,977
6 Claims. (Cl. 43—90)



1. A trap comprising a base, a stationary frame extending from the base, a second frame pivotally mounted upon the axis of the first frame and adapted to swing substantially in to contact with the stationary frame to close the trap, a spring for urging the trap from set to closed position, a platform hinged to the second frame, and rotatable therewith, means for holding the second frame in set position and means operable by the movement of the platform for releasing the holding means, said base and said platform each being circular and having a conical flange, the flange of the platform being adapted to rest when the trap is in set position within the base and substantially in contact with the underside of the flange of the base.

2,068,657
HEEL
John W. Courter, Atlanta, Ga., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 29, 1935, Serial No. 3,950
4 Claims. (Cl. 12—147)

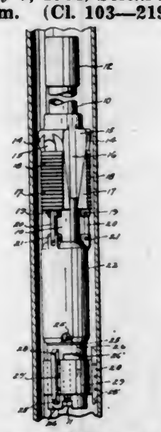
1. A shoe heel having a top lift secured to the body of the heel by staples each having a bar substantially parallel to the edge of the top lift and having a long leg extending through the top lift and into the body of the heel and a short leg extending into the top lift, the long leg being inclined away from the surface of the heel and toward the center of the heel.



2,068,658
INDUCTANCE COIL CORE
Irvin W. Cox, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
No Drawing. Application June 20, 1934, Serial No. 731,465
3 Claims. (Cl. 175—21)

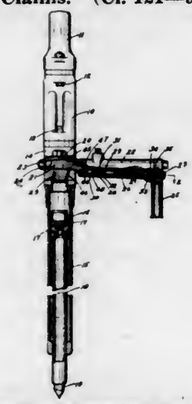
3. A method of manufacturing inductance coil cores which consists in oxidizing the surface of iron particles to a predetermined thickness, of roasting the particles in the presence of aluminum vapor at about 800° C. to cause aluminum to replace the iron in the oxidized surface and form a film of aluminum oxide AL_2O_3, containing a portion of reduced iron in a state of molecular subdivision, of mixing the insulated particles with a small amount of ceramic binder and forming them into cores at high pressure, and then heat treating the cores at the melting point of iron in a current of hydrogen containing a trace of water vapor for a period of hours.

2,068,659
TUBING CATCHER
Charles S. Crickmer, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application May 7, 1934, Serial No. 724,375
1 Claim. (Cl. 103—219)



A tubing catcher comprising, an axial support, a head mounted on the support, radially movable slips mounted on said head normally having their lower ends extending below said head, short links pivoted to the lower ends of said slips and depending therefrom, a weight supported by and slidable on said support and to which the lower ends of said links are pivoted, whereby said slips are supported by the weight, a collar rigidly mounted on the lower end of said support, a washer slidable on said support normally resting on said collar and supporting said weight, a coiled spring surrounding said support within said weight for partially supporting said weight, said spring and weight being carried by said washer, an anchor sleeve slidable on said support and adapted to support said washer when the slips are being set in a casing, and spring pressed shoes carried by said anchor sleeve cooperating with the casing for centering the catcher therein during normal reciprocating movements therein and for effecting an actuation of the slips to grip the casing during abnormal downward movements of the members.

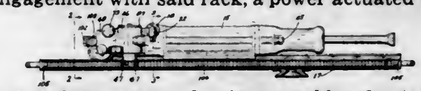
2,068,660
AIR FEED CONTROL FOR ROCK DRILLS
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application November 6, 1935, Serial No. 48,471
11 Claims. (Cl. 121—9)



1. In a rock drill, the combination with a drilling motor, of a fluid actuated feeding mechanism therefor, of a rotation handle rigidly secured to the rock drill, means for reducing the power of said feeding mechanism including an exhaust port leading therefrom to the atmosphere, a valve controlling said port movable into open or closed position relative thereto, an element within said handle capable of limited slidable movement transversally of said valve, means associated with said element and valve responsive to the slidable movement of the former for actuating the latter, and means associated with said element automatically operable at one end of the slidable movement thereof for locking the same in valve open position.

2,068,661
FEEDING MECHANISM FOR ROCK DRILLS
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application November 29, 1935, Serial No. 52,135
23 Claims. (Cl. 121—9)

1. In a feeding device for a rock drill, the combination with a support and a drilling motor slidable thereon, a feeding mechanism associated with said motor for imparting forward and backward feeding motion thereto, said mechanism including a rack longitudinally of said support, a gear rotatably carried by said motor in operative engagement with said rack, a power actuated unit



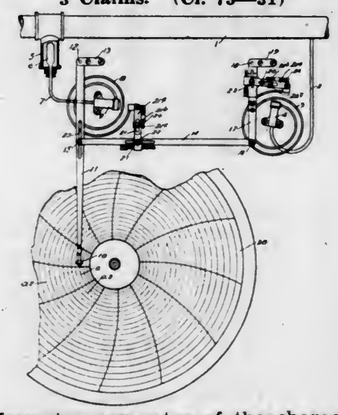
included in said mechanism capable of rotation in a single direction, and rotation transmitting means associated with said unit and gear operable for selectively controlling the direction of rotation of said gear for imparting forward or backward feeding motion to said motor due to the operative engagement aforesaid.

2,068,662
SELF-ALIGNING PICTURE BAIL
George E. Demorest, Flint, Mich.
Application April 24, 1933, Serial No. 667,581
8 Claims. (Cl. 248—28)



1. As a new article of manufacture, a self-centering bail for pictures and the like, comprising a central seat portion shaped to receive a supporting means, and two end portions, for connection to the frame, and in alignment with said central portion, portions of the bail intermediate the central portion and two ends being offset to permit extension of the bail to fit different sized frames.

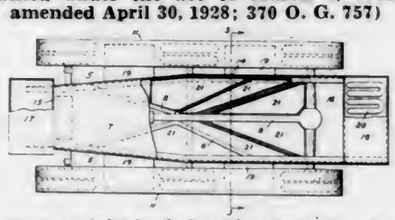
2,068,663
INDICATOR FOR FLUID VARIABLES
John C. Diehl, Erie, Pa., assignor to American Meter Company, New York, N. Y., a corporation of Delaware
Application January 3, 1931, Serial No. 506,397
3 Claims. (Cl. 73—31)



1. Measuring apparatus of the character set forth comprising a pressure responsive element; an arm angularly movable thereby; a pivotal mounting; an oscillatable arm secured to the mounting and including a portion provided with a slot; a link pivoted to the pressure responsive arm; a pin fixed to the link and connecting it with the oscillatable arm through its slot for movement in the latter; a temperature responsive element; an arm angularly movable there-

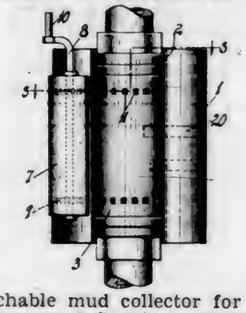
by; a second link connecting the temperature responsive element arm with the first named link whereby movement of said temperature responsive element will move the first named link independently of the pressure responsive arm to displace the point of action to the pressure responsive element on the oscillatable arm.

2,068,664
VEHICLE
James A. Dorst, United States Army, San Francisco, Calif.
Application January 11, 1936, Serial No. 58,707
1 Claim. (Cl. 115—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A commercial wheeled vehicle including a conventional chassis frame with elevated portions for accommodating the vehicle's axles, a watertight body having a floor secured to the frame, and a plurality of flotation units secured to the frame and floor, and fitting between elements of the frame, the upper sides of said units following the contour of the floor and frame.

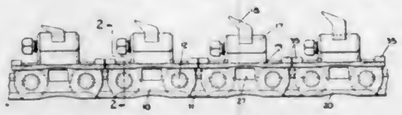
2,068,665
DETACHABLE MUD COLLECTOR FOR DRILL PIPES
Stephen Douglass, Seal Beach, Calif.
Application January 28, 1936, Serial No. 61,159
7 Claims. (Cl. 166—16)



1. A detachable mud collector for drill pipe, comprising an arcuate housing, said housing having an opening in one side thereof, a gate slidably mounted in the housing, said gate being adapted and arranged to move across the opening, manually operable drive means engaging the gate whereby said gate is moved in the housing, packing means in the upper and lower end of the housing, and packing means on the upper and lower end of the gate.

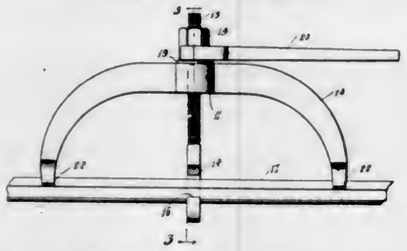
2,068,666
CUTTER CHAIN
Robert R. Dunlop, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 19, 1934, Serial No. 731,378
Renewed February 27, 1936
6 Claims. (Cl. 262—33)

2. A cutter chain link having a trough-like depression extending longitudinally of the surface thereof adapted to be positioned outermost when in use, said depression being of greatest depth intermediate its ends, and having a slot



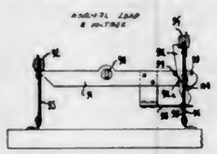
opening through the wall thereof adjacent its point of greatest depth to enable slack to move from the depression.

2,068,667
RAIL STRAIGHTENING IMPLEMENT
Paul E. Fischer, Sheldahl, Iowa
Application July 19, 1934, Serial No. 736,091
1 Claim. (Cl. 153—38)



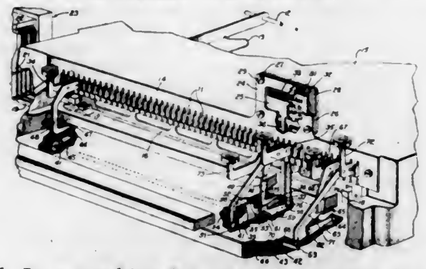
A rail straightener, comprising a U-shaped member having notches in its ends to engage remote portions of a rail and provided with an opening in its bight portion, spaced flanges on the ends of said member and defining said notches, one of each of said spaced flanges being longer than the other, the longer flanges being arranged on corresponding sides of the notches on the ends of the member, a hook slidably mounted in said opening and having a threaded stem, and a nut on said threaded stem and engaging the member to adjust the hook relatively to the notched ends thereof.

2,068,668
CIRCUIT CONTROLLING MEANS
William H. Frank and Joseph Messing, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original application November 13, 1933, Serial No. 697,859. Divided and this application December 22, 1934, Serial No. 759,452
5 Claims. (Cl. 200—116)



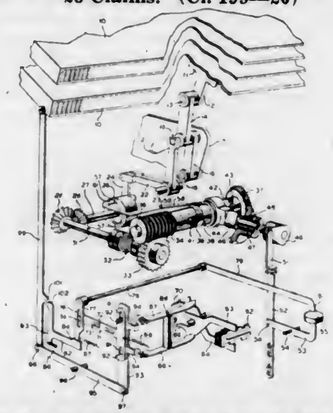
1. Circuit breaker holding and release means for a breaker part which when held maintains the breaker closed and which when released permits the breaker to open including a bimetallic, thermally influenced, circuit current responsive holding element so arranged with respect to the circuit to be controlled as to warp, on normal voltage, into holding position and to warp back, on failure of voltage, into release position.

2,068,669
INDICATING MECHANISM
Maurus T. Goetz, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application February 1, 1935, Serial No. 4,434
12 Claims. (Cl. 164—112)



1. In a machine for preparing control forms for typographical machines which employ a plurality of magazines, a plurality of operating elements, an indicator comprising a support with suitable indications thereon and a shield, reciprocable each with respect to the other, and means selectively operable by any one of said elements for controlling said indicator to establish a predetermined relation between said support and said shield according to the element operated.

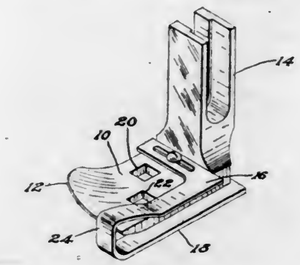
2,068,670
AUTOMATIC MIXER CONTROL SYSTEM
Maurus T. Goetz, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 22, 1935, Serial No. 27,865
23 Claims. (Cl. 199—20)



1. In an automatic control apparatus, devices to be qualified for operation alternatively, means for qualifying the devices, means responsive to signals for controlling the qualifying means, and means for rendering the signal responsive means non-responsive to successive identical signals.

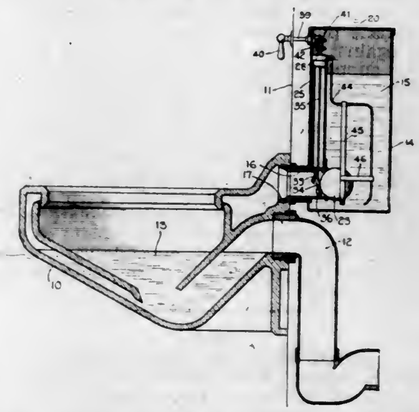
2,068,671
SEWING MACHINE
Albert Howard Goodwin, Kettering, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 17, 1934, Serial No. 753,461
In Great Britain November 30, 1933
3 Claims. (Cl. 112—151)

1. In a sewing machine the combination with a presser-foot having a horizontally arranged work engaging plate of an edge guide comprising a work guiding portion arranged to bear upon the work below the plane of the work engaging surface of the presser-foot, an arm secured upon the upper surface of said plate so as to permit an adjustment of the work guiding portion of



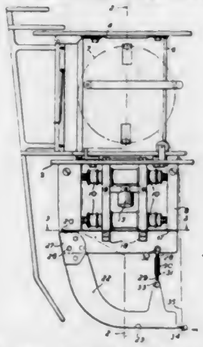
the edge guide transversely of the line of stitching, and a thin curved springy portion connecting the arm and work guiding portion and extending over the leading edge of said plate to permit the location of the work guiding portion beneath the plate.

2,068,672
TANK FLUSH VALVE—BALL TYPE
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application July 5, 1935, Serial No. 29,905
2 Claims. (Cl. 4—56)



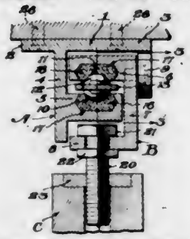
1. In an improved flush tank valve, the combination with a tank having an outlet at the lower end and extending laterally of said tank, a valve seat formed at the inner end of the outlet and within the tank, a floatable ball valve normally seating on the valve seat and preventing egress of water from the tank through the outlet, a cage within the tank and in which the ball valve is confined but freely movable within the limits of the cage, a pivoted lever associated with the ball valve, a vertically extending rod slidably mounted in the tank and having its lower end associated with the pivoted lever, and means mounted on said tank and operated to control the vertical movement of the slidable rod to move the ball valve off the valve seat at will, to permit the flow of water from the tank through the outlet.

2,068,673
CIRCULAR LOOM
Frank Corbyn Hale and Robert Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 4, 1935, Serial No. 43,540
In Great Britain October 19, 1934
2 Claims. (Cl. 139—16)



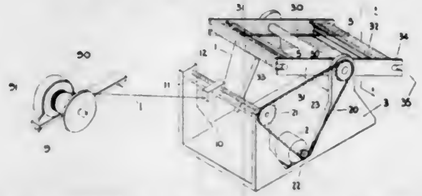
1. Circular loom shuttle adapted to be positioned within the warp shed by rotatable vane wheels which pass through one warp sheet into contact with the shuttle, the threads of that sheet passing through the slots of the vane wheels, said shuttle comprising a top plate and an intermediate plate fitting within the warp shed with their edges substantially at right-angles to the warp threads, a spool-supporting plate connecting said top plate and said intermediate plate, a further plate extending from said intermediate plate and adapted to press with its edge against weft in the fabric, pairs of flanged rollers supported in said further plate for engagement by said vane wheels, and a guard plate mounted on said further plate near the points of engagement of said vane wheels with said flanged rollers and between said flanged rollers and the weft-pressing edge of said further plate, the edge of said guard plate extending to a point substantially in the line of the warp threads from the edge of said intermediate plate to the weft-pressing edge of said further plate so as to resist any tendency of the rotatable vane wheels to carry the warp threads inwardly towards said flanged rollers.

2,068,674
DOOR HANGER AND TRACK
Henry S. Harvey, Palm Beach, Fla., assignor to Claire H. Harvey, Palm Beach, Fla.
Application November 8, 1934, Serial No. 752,164
2 Claims. (Cl. 16—88)



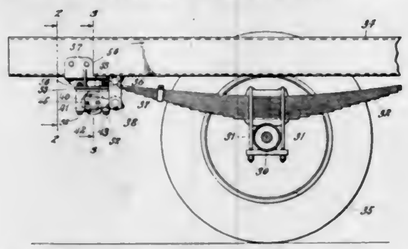
2. A door hanger construction comprising a track member of rolled stock including a horizontally disposed base having a flat top adapting it to be secured against the under side of the top element of a door opening, a vertical web integral with said base and depending therefrom, a rail formed as an integral lateral extension of said web, a door hanger of rolled stock including a vertical web and upper and lower flanges integral therewith and extending laterally therefrom, the web of said hanger extending across the free edge of the rail above and below said rail, the upper flange of the hanger extending into the space between the base and the rail of the track member, the lower flange of the hanger extending beneath the rail, means for fastening a door to the lower flange of said hanger, and anti-friction rolling bodies between the rail and the upper flange of the hanger, the top face of the upper flange of the hanger being disposed closely adjacent to the under face of the base of the track member.

2,068,675
METHOD OF AND APPARATUS FOR MANUFACTURING SCREENS
Richard D. Heller, Boise, Idaho
Application January 16, 1935, Serial No. 2,064
9 Claims. (Cl. 140—92.2)



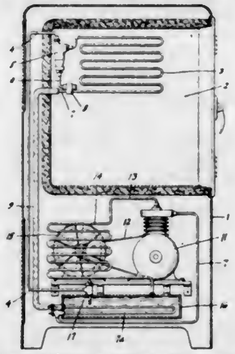
1. A method of manufacturing screens for the purposes set forth, which comprises fixing a plurality of members in spaced apart relation, laying a wire strand progressively over and around said members in a plurality of convolutions, stretching the wire convolutions into evenly tensioned condition, securing to said members all wires constituting one layer, while said wires are held thus tensioned, and thereafter severing the wires outwardly of their securement to the spaced members.

2,068,676
VEHICLE SPRING SUSPENSION
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Company, Inc., Eden, N. Y., a corporation of New York
Application October 12, 1932, Serial No. 637,444
4 Claims. (Cl. 267—27)



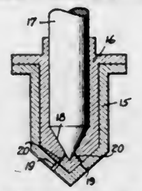
1. A vehicle spring suspension comprising: a frame; a wheel having a spindle journaled thereon; a bearing connected with said frame; a rock shaft journaled in said bearing and having a crank arm; means for at all times exerting a resilient rotational force upon said rock shaft in the one direction only; and means connecting said crank arm and said spindle,—said means and the rest of the spring suspension being so arranged that said spindle is resiliently resisted when moving toward both its extreme upward position and its extreme downward position.

2,068,677
REFRIGERATING SYSTEM
William W. Higham, Detroit, Mich., assignor to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan
Application February 24, 1936, Serial No. 65,232
5 Claims. (Cl. 62—115)



1. A refrigerating apparatus comprising in combination, a compressor, a condenser, a receiver tank for storing liquid refrigerant, an evaporator, a tube line extending from the receiver tank to the evaporator, a suction tube line extending from the evaporator to the compressor, and one or more runs of tubing constituting part of the suction tube line and disposed directly within the receiver tank, whereby heat is transferred to the expanded refrigerant in the suction line to assure complete vaporization thereof, and the sensible heat of the liquid refrigerant in the tank and which is about to be conveyed to the evaporator is reduced.

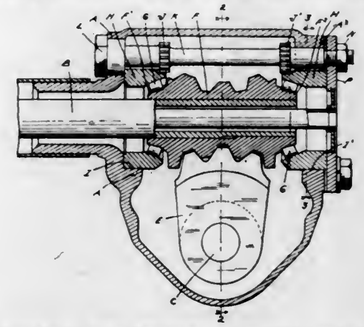
2,068,678
INJECTION VALVE TIP
Raymond H. Hoadley, Bronx, N. Y.
Application February 9, 1935, Serial No. 5,877
5 Claims. (Cl. 299—107.1)



1. In a Diesel engine, an injection valve tip having an insert provided with small diameter orifices through which the fuel is injected into the cylinder and an outer sheath provided with means about the orifices to prevent the incomplete combustion of fuel adjacent the orifices whereby clogging of the orifices by carbon is prevented.

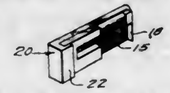
2,068,679
WORM GEAR ADJUSTMENT FOR STEERING GEARS
Karl B. Hokansson, Detroit, Mich., assignor to Gemmer Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 25, 1935, Serial No. 12,950
Renewed April 25, 1936
3 Claims. (Cl. 74—500)

1. In a steering gear, the combination with a worm and a worm gear, of a housing for enclosing the same, a rock shaft on which said worm gear is mounted, bearings for said rock shaft in fixed position in said housing, eccentric bearings for opposite ends of said worm rotatively engaging



said housing, gear segments on the outer faces of said eccentric bearings, gears for engaging said gear segments, a shaft on which said gears are mounted and means operable from outside the housing for rotating said shaft.

2,068,680
PORTABLE DOOR LATCH
James Holland, Los Angeles, Calif.
Application December 26, 1934, Serial No. 759,221
1 Claim. (Cl. 292—292)

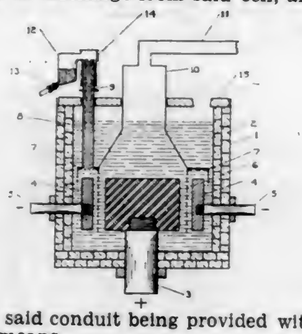


A portable door latch including a wedge member in the form of a flat plate having adjacent to one end a transversely disposed blade and having at its other end an angular portion and a reverting extension on said angular portion terminating in a free edge and spaced from and paralleling the plate to form with the same a squared socket open at one side toward the blade end of the plate, and a keeper plate having a pair of legs and a portion connecting said legs at one end and spacing the same apart, one of said legs being squared and of a size to slidably interfit lengthwise of the squared socket of the wedge plate when the latch is in operative position, the space between said legs adapting the keeper to selectively straddle the upper edge of the wedge plate and the said angular portion thereof in use, and the keeper plate being of a thickness to nest flatwise against the wedge plate with one end thereof extending beneath the said reverting extension and into the socket through the open side of the latter when the latch is removed from operative position.

2,068,681
APPARATUS FOR THE PRODUCTION OF LIGHT METALS
Robert Edwin Hulse and Russell Leo Hardy, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
Application October 4, 1934, Serial No. 746,796
7 Claims. (Cl. 204—19)

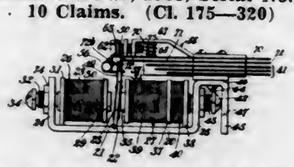
1. In an electrolytic cell adapted for the electrolysis of fused salt mixtures, a means for removing from said cell liquid metal liberated at the cathode, said means comprising a conduit

adapted to lead said liberated metal upwardly to a point of discharge from said cell, an upper



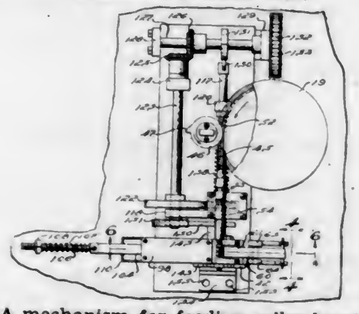
portion of said conduit being provided with heat radiating means.

2,068,682
RELAY WINDING
Lincoln M. Keefe, Springfield, Mass.
Application June 29, 1933, Serial No. 678,209
10 Claims. (Cl. 175—320)



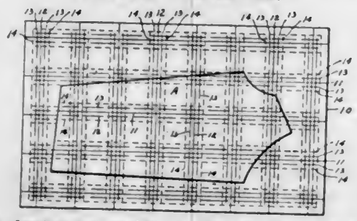
1. In a high speed relay an electro-magnetic core, a movable member adapted to be actuated by said core, a main winding and an auxiliary winding on said core, record controlled means for energizing said auxiliary winding to build up an initial flux in said core of less than sufficient strength to actuate said member whereby the lag incident to building up the magnetic flux in said core to a maximum when said main winding is energized is reduced, and a single source of current for energizing said windings.

2,068,683
MECHANISM FOR ASSEMBLING BEARINGS
Frank Ketcham, Dearborn, and George E. Dunn, Detroit, Mich., assignors to The Universal Products Company, Inc., a corporation of Delaware
Original application March 30, 1933, Serial No. 663,444. Divided and this application January 19, 1934, Serial No. 707,289
3 Claims. (Cl. 221—130)



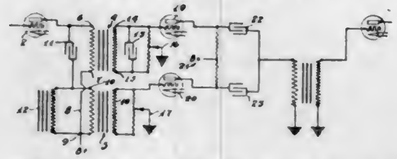
2. A mechanism for feeding roller bearings in end-to-end relation comprising a hopper having an annular side wall, a rotatable bottom in the hopper, means for rotating the bottom, said side wall having an opening of sufficient size to receive only a single roller at a time in an endwise direction for the discharge in end-to-end relation of rollers carried by the outer edge of said bottom, means for engaging and deflecting rollers located within the hopper and adjacent said opening from a position in line with said opening, and means for operating said last named means to deflect said rollers at intervals spaced in time sufficiently to permit the discharge of a plurality of rollers through said opening between deflecting operations.

2,068,684
PATTERN DRAFTING AND GRADING CHART
Irving Kravitz, Brooklyn, N. Y.
Application March 11, 1935, Serial No. 10,502
6 Claims. (Cl. 33—12)



1. A device comprising a lined sheet for drafting and grading patterns, including a chart, and a relatively irregular pattern piece, said chart and pattern piece being separated parts of said sheet, said chart and pattern piece each having a first and a second series of substantially equally spaced parallel indicator lines extending substantially throughout the chart and the pattern piece, the lines on the pattern piece extending to the edges thereof, the first series of lines being at one angle to the second series of lines for both pattern piece and chart, whereby the pattern piece may be moved in various directions to different positions along the chart with the lines of the pattern piece in substantial alinement with the lines of the chart so that a pattern of different size may be drafted on the chart by ruling thereon along the edges of the pattern piece.

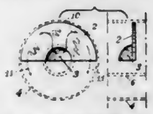
2,068,685
TRANSMISSION OF SOUND CURRENTS
Edward S. Lansing, Detroit, Mich., assignor of one-half to Osborne A. Bryan, Detroit, Mich.
Application August 22, 1930, Serial No. 477,060
10 Claims. (Cl. 179—1)



1. The method of dividing and amplifying sound currents transmitted through a single channel without changing their original tonal characteristics as broadcast or recorded, which comprises transmitting sound currents of all the created frequencies from a common source through a single channel, substantially completely separating the combined sound currents into a plurality of component parts maintaining said division and amplifying said parts individually through a variable range and reproducing the

sound currents through a single channel amplifier and single speaker with their component parts of unequal frequency ranges.

2,068,686
APPARATUS FOR SILENCING THE EXHAUST OF INTERNAL COMBUSTION ENGINES
Joseph Louis Lascroux, Marseille, France
Application October 26, 1935, Serial No. 46,837
In France November 27, 1934
4 Claims. (Cl. 181—69)



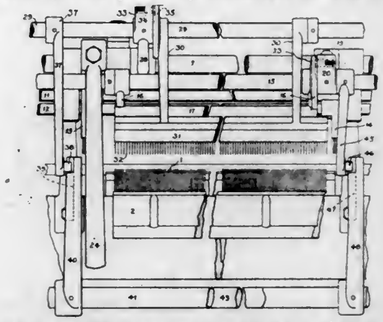
4. Apparatus for silencing the exhaust of internal combustion engines and like purposes, comprising a cylindrical expansion chamber adapted to be inserted between the ends of a gap in the pipe through which the exhaust gases flow, extensions of the ends of said pipes projecting into the body of said chamber, a first group of semi-circular plates each having a raised semi-cupola shaped portion located at their geometric centre and being spaced apart and secured within said chamber between one of the extensions and the walls of said chamber, a second series of similar plates similarly arranged with respect to the other extension, a closure at the inner extremity of both said extensions, and an orifice in each of the latter into which said semi-cupola shaped portions depend.

2,068,687
METHOD OF APPLYING METALLIC COATINGS
Tadeusz Liban, Krakow, Poland
No Drawing. Application April 25, 1930, Serial No. 447,430. In Germany August 18, 1925. Renewed November 20, 1935
12 Claims. (Cl. 91—70.2)

1. The method of keeping clean the rollers between which sheets to be galvanized are withdrawn from the galvanized bath, comprising, arranging a bath of molten galvanizing metal selected from the group which consists of: zinc, and zinc and aluminum, positioning the rollers so that they are partly immersed in the metal bath, overlying the metal bath with a layer of a substance selected from the group consisting of alkali metal chlorides and a mixture or reaction product of a fluorine compound with a salt selected from the group which consists of: zinc chloride, ammonium-chloride, alkali-chloride, double salt of alkalichloride, mixture of zinc chloride and ammonium chloride, mixture of zinc chloride and alkali chloride, or doube salt of alkali-chloride, mixture of ammonium chloride and alkali-chloride or double salt of alkalichloride, mixture of ammonium chloride, alkalichloride or double salt of alkalichloride, and zinc chloride so that the rollers are in touch with the said layer, and operating the rollers so positioned.

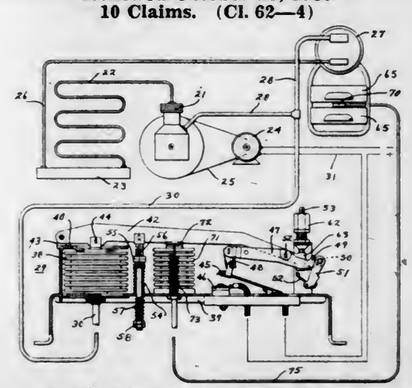
2,068,688
KNITTING MACHINE
Max C. Miller, Cumberland, R. I.
Application March 9, 1932, Serial No. 597,743
7 Claims. (Cl. 66—96)

1. In a flat knitting machine, the combination with a series of needles and their cooperating knitting elements, of a cam shaft for the machine, a narrowing machine frame actuated from said cam shaft to move toward and away from the needles in a line substantially lengthwise of the needles, a series of loop lifting points, a support for said points pivotally mounted on the frame,



and a stationary guiding member, said support and guiding member having cooperating cam and follower surfaces for determining the angular position of said support and points mounted thereon during the movement of said frame.

2,068,689
REFRIGERATING APPARATUS
Ralph K. Miller, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application September 30, 1930, Serial No. 485,346
Renewed October 25, 1933
10 Claims. (Cl. 62—4)

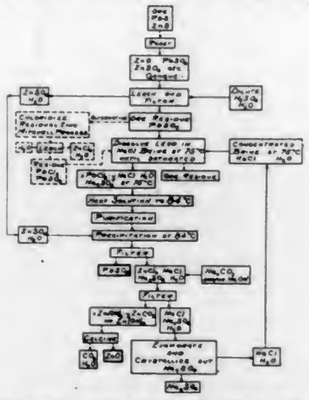


1. In a refrigerating apparatus, a cooling unit having a freezing zone, means for supplying refrigerant to and for withdrawing refrigerant from the cooling unit, control means responsive to pressures of the refrigerant within the cooling unit for controlling said last mentioned means, and means for modifying the operation of the control means including means responsive to the temperature adjacent the freezing zone of the cooling unit.

2,068,690
METHOD OF RECOVERING COMPOUNDS FROM ZINC AND LEAD ORES
Thomas A. Mitchell, Inglewood, Calif., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming
Application January 10, 1935, Serial No. 1,186
9 Claims. (Cl. 75—120)

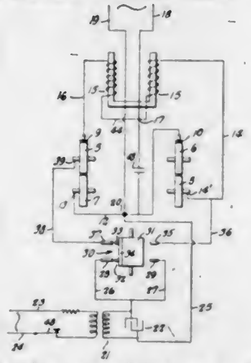
1. The method of treating a lead and zinc sulfide ore comprising the steps of roasting the ore

under oxidizing conditions and forming lead sulfate, dissolving zinc from the ore material as zinc sulfate, dissolving the lead in a hot salt



brine and treating the hot solution with the zinc sulfate to precipitate lead sulfate therefrom, and thereafter recovering the lead sulfate.

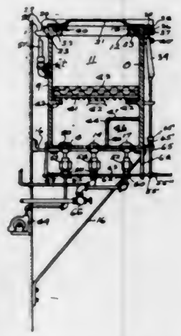
2,068,691
ARCING APPARATUS
Thomas J. Murphy, Stamford, Conn.
Application March 17, 1931, Serial No. 523,294
9 Claims. (Cl. 177—329)



1. In an arcing apparatus, a main circuit, means for connecting said circuit with a source of alternating current, said circuit comprising two paths connected with said connecting means in parallel, said paths each including a high inductance and a gap, said circuit being of insufficient potential to initiate a discharge across said gaps an auxiliary circuit having branches each connected to a corresponding branch of the main circuit so as to include the gap therein and including means for causing a disruptive discharge across said gaps, and means operating in synchronism with said current to cause said discharges across the gaps alternately.

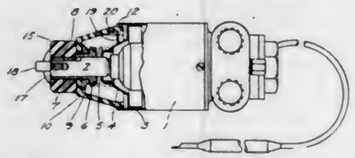
2,068,692
DEVICE FOR TREATING STUPES AND THE LIKE
William P. Myron, San Francisco, Calif., assignor to F. A. Hamilton, San Francisco, Calif.
Application August 11, 1933, Serial No. 684,666
7 Claims. (Cl. 21—18)

7. In a device of the character described, the combination with a box, a cover adapted to seal the box when the cover is closed, a steam inlet and a steam outlet, suction means connected to said outlet, means to break the vacuum in the box, of means to control the inlet, the outlet and the vacuum breaking means so as to simultaneously open the inlet and the outlet and close the vacuum breaking means, means to fasten the



cover into closed position on the box, means to hold said control means in inlet opening position, and a tripping mechanism actuated by the fastening means as the latter are unfastened to release said holding means so as to cause the closing of the inlet and the outlet and the opening of the vacuum breaking means.

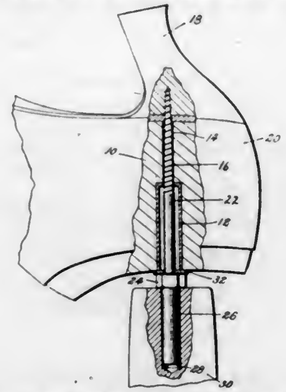
2,068,693
DIAL ASSEMBLY
Robert E. Newell, Irwin, and Max S. Unger, Greensburg, Pa., assignors to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application March 22, 1935, Serial No. 12,492
14 Claims. (Cl. 116—133)



1. A dial assembly comprising a dial having a central opening, a knob operatively engaging said dial and having an extension protruding through said opening, and spring means associated with said extension and dial for holding said dial and knob in operative engagement, whereby a fixed rotary relationship between said dial and knob is obtained.

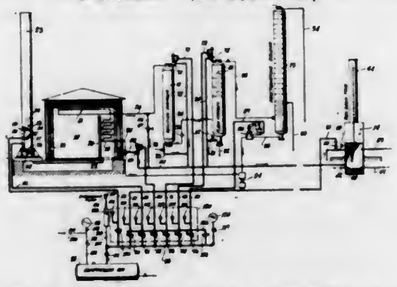
2,068,694
HEEL FASTENING MEANS
Malcolm William Parker, Clifton Hill, Victoria, Australia, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 6, 1933, Serial No. 701,176
In Australia January 20, 1933
2 Claims. (Cl. 12—103)

1. A fastening device for use in shoemaking, comprising a shank adapted to extend from the top of the cone of a last through the heel seat thereof, the shank having a tapered threaded point arranged to penetrate a heel outside the last, a portion at the end of the shank opposite the threaded point for cooperation with the top of



the last cone, and a jack pin projecting from said portion.

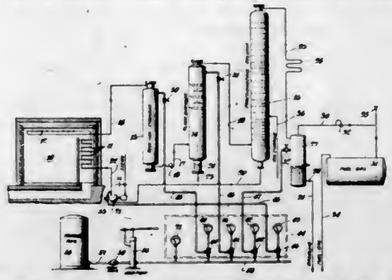
2,068,695
REMOTE CONTROL SYSTEM FOR OIL CRACKING PLANTS
Ralph M. Parsons, Mount Vernon, Ohio, assignor to The Ralph M. Parsons Company, Mount Vernon, Ohio, a corporation of Delaware
Application October 16, 1934, Serial No. 748,461
3 Claims. (Cl. 196—132)



1. In an oil refining plant, a plurality of control valves adapted to be operated in a preferred sequence for shutting down the plant, fluid pressure means including lines to actuate each of said control valves, a source of fluid pressure and a fluid pressure vent line, a valve for each of said fluid pressure lines adapted to alternately connect the same to said source or to said vent line, and a master valve in said vent line, said master valve having a vent and having means to connect said vent line to said vent or to said source to actuate all of said controls in unison.

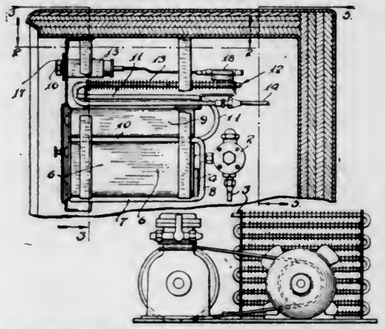
2,068,696
GAUGE LINE PURGING SYSTEM FOR OIL CRACKING PLANTS
Ralph M. Parsons, Mount Vernon, Ohio, assignor to The Ralph M. Parsons Company, Mount Vernon, Ohio, a corporation of Delaware
Application March 2, 1935, Serial No. 8,991
2 Claims. (Cl. 196—137)

2. In an oil cracking plant, in combination, a plurality of devices containing hydrocarbon fluid under pressure distributed about said plant, a central station, a plurality of pressure gauges at said central station, fluid pressure lines connecting the individual gauges to said respective devices for transmitting fluid pressure from said devices to said gauges, and a purging system comprising a source of high fluid pressure, a manifold connecting said source to each of said lines at a point near the gauges and a control



valve in each line at said point adapted to close the passage from the manifold to each gauge and to connect the manifold to said line, whereby fluid under pressure may be passed from the manifold through said line for purging the same without injuring the gauge.

2,068,697
REFRIGERATING APPARATUS
Thomas S. Pendergast and Ralph Baum, Detroit, Mich., assignors to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan
Application November 30, 1931, Serial No. 578,049
2 Claims. (Cl. 62—8)

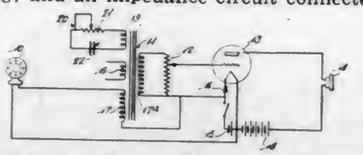


2. A combined sharp freezing and air cooling evaporator for domestic refrigerators, comprising a shell defining a sharp freezing chamber, a refrigerant conducting coil positioned along the bottom surface of said shell, the sides of the shell being left free, said coil continuing from a position below the shell to a point above the shell, said coil at its position above the shell being provided with means for greatly increasing the effective heat exchange surface area thereof, said coil being formed in a series of convolutions, and a temperature control unit adjustably positioned at different points of said length of coil having a relatively great surface area, to control the flow of refrigerant by the temperature existing at the point of application of said temperature control unit.

2,068,698
HEARING AID
William D. Penn, Dallas, Tex.
Application June 18, 1935, Serial No. 27,252
4 Claims. (Cl. 179—1)

1. A device for aiding hearing by accentuating the frequencies to which a user of the device is

least sensitive; said device comprising an audio frequency transformer having a primary winding, a secondary winding, and at least one tertiary winding closely coupled therewith; an input circuit connected to said primary winding; an output circuit connected to said secondary winding; and an impedance circuit connected to



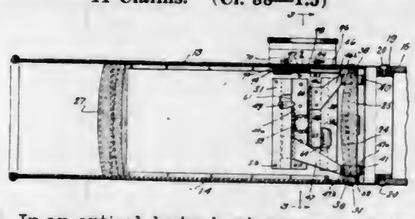
said tertiary winding; said impedance circuit including an element having an impedance which varies with changes in frequency, whereby the effective primary impedance of said transformer may be made to vary with changes in frequency with respect to the impedance of said input circuit in order to selectively accentuate desired frequencies.

2,068,699

ADJUSTABLE FOUR-WAY VIEW FRAMING DEVICE FOR VIEW FINDERS

Niels G. Petersen, Los Angeles, Calif., assignor to Mitchell Camera Corporation, West Hollywood, Calif., a corporation of Delaware

Application December 7, 1935, Serial No. 53,357
11 Claims. (Cl. 88—1.5)



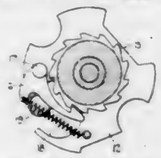
1. In an optical device having a casing defining a light conduit, a pair of relatively narrow view area framing members extending in parallel relation across the light conduit, arms on said framing members extending substantially at right angles to the framing members along the inner surface of one of the casing walls, a pair of parallel racks supporting said arms, said racks having oppositely facing rack teeth on their proximate edges, and said racks being movable along said casing wall in directions at right angles to the direction of extension of the framing members, pinion gear means between and meshing with said racks to move them in unison in contrary directions, and means for operation of said pinion gear means.

2,068,700

CALLING DEVICE

Seth Peterson, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application July 11, 1935, Serial No. 30,799
6 Claims. (Cl. 179—90)



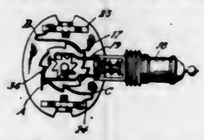
1. In a calling device having a dial and a ratchet and pawl mechanism operated thereby, means for eliminating noise during operation of the dial, said means comprising a spring adjusted to become effective each time the pawl passes over a ratchet tooth and prevent the pawl from dropping to the bottom of the notch following such tooth.

2,068,701

SWITCH MECHANISM

Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana

Application March 20, 1934, Serial No. 716,541
6 Claims. (Cl. 200—64)



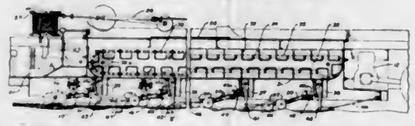
1. A switch mechanism comprising a frame including upper and lower insulating plates, a ratchet and contact wheel having peripheral contact segments thereon between the plates, a pair of stationary contacts for engagement with the contact segments, a third stationary contact positioned upon one of the insulating plates and having a contact arm extending laterally between the plates and resting upon the peripheral edge of the contact wheel, and a terminal plate having a tail piece extending through the third contact and frame plate and an ear passing through and bent over the bottom of the frame plate to hold the third contact on the insulating plate.

2,068,702

PAVEMENT CONSTRUCTING

Volney A. Poulson, Bronxville, N. Y.

Application March 25, 1933, Serial No. 662,716
6 Claims. (Cl. 94—46)



1. In a device of the character described, a body, a plurality of transverse chutes serially arranged longitudinally thereof, a leveling unit supported by said body behind each chute, said leveling units being supported at progressively higher levels, a set of rollers arranged behind each leveling unit, equalizing linkage connecting the rollers of the last two sets to the rear end of said body for supporting the latter by the former, and wheels supporting the front end of the body.

2,068,703

BANDAGE

Frank Powdermaker, New York, N. Y.

Application May 25, 1935, Serial No. 23,502
2 Claims. (Cl. 128—268)



1. A bandage comprising a backing having an absorbent bandage material superposed on said backing and united thereto, said absorbent bandage material being of a length to constitute substantially a wrapping about a member to be dressed and extending substantially from one end of the backing and stopping short of the other end of the backing, said backing having an adhesive coated surface exposed at said other end of the backing on the same side thereof as said absorbent bandage material and constituting a securing means adapted for adhesive union with an adjacent exposed surface of the opposite side of the backing exteriorly of the bandage when applied.

2,068,704

WELL DRILLING AND CORING APPARATUS

Leonard E. Powell, Dallas, Tex.

Application July 25, 1932, Serial No. 624,392
5 Claims. (Cl. 255—72)



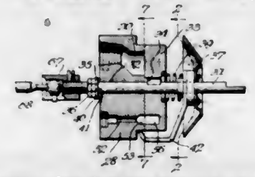
1. Apparatus for drilling and coring wells including a drill collar and head, a plurality of concentric pipes, the inner pipe comprising a cutter carrier barrel and having longitudinal guide slots in its sides of varying lengths, a series of cutting elements having shanks of varying lengths corresponding to the lengths of and guided in said slots and whose free ends are bent outwardly, means to engage successively the bent ends of said shanks whereby to urge said cutting elements into operative position and means for successively withdrawing said cutting elements.

2,068,705

OVEN VALVE

Best Pratt and George F. Weinreich, Chicago, Ill., assignors to Brake Equipment & Supply Company, Chicago, Ill., a corporation of Illinois

Application November 14, 1934, Serial No. 753,056
10 Claims. (Cl. 251—90)



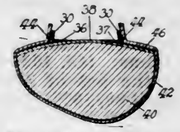
1. An oven valve for ranges comprising a valve body, a rotatable valve element, said valve body being provided with a plurality of passages opening to the seat face thereof and adapted to be selectively connected to range flow passages, said valve element being provided with a passage adapted to connect predetermined passages of said valve body upon selective rotation of said valve element, and means selectively positioned according to the selective connection made to the range flow passages to limit the rotation of said valve element.

2,068,706

METHOD OF MAKING SHOES

Eugene J. Ray, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 13, 1933, Serial No. 670,907
32 Claims. (Cl. 12—142)



1. An insole for use in the manufacture of shoes having secured to its outer face upper-attaching strips of elastic material to which a shoe upper may be secured to hold the upper temporarily in lasted relation to the insole, said strips being reinforced with a non-elastic material.

22. An upper-attaching strip for an insole, said strip having a two-ply base portion and an inclined lip projecting upwardly from one edge of said base portion, said lip comprising three thicknesses of material widthwise of the strip.

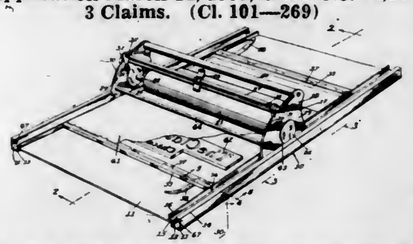
27. That improvement in methods of making shoes in which uppers are secured in lasted relation to insoles by cement, which consists in removably securing upper-attaching strips to the outer face of an insole, assembling the insole with a shoe upper on a last, working the upper over the edge of the insole into lasted position against the exposed surfaces of the attaching strips, inserting metal fastenings through the upper and into the strips to hold the upper in lasted relation to the insole while the cement is setting, severing the upper along the outer edges of the strips, and pulling off the strips and severed portions of the upper, thereby removing the strips, fastenings, and trimmed portions of the upper from the outer face of the insole.

2,068,707

PRINTING PRESS

Harvey J. Reardon, Chicago, Ill.

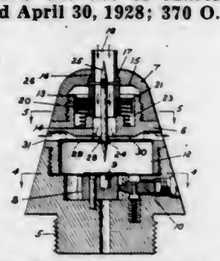
Application March 14, 1935, Serial No. 11,127
3 Claims. (Cl. 101—269)



1. In a hand printing press, of the bed and cylinder type, the combination of: a bed; a carriage movable over said bed; said carriage including the following parts: a supporting frame including upright end walls and an impression roll or pressure cylinder carried thereby; bearings rotatably journalled in the said end walls of said frame and having said impression roll eccentrically journaled therein, for raising and lowering said impression roll relative to both the said bed and the carriage itself; a row of teeth carried by at least one of the said end

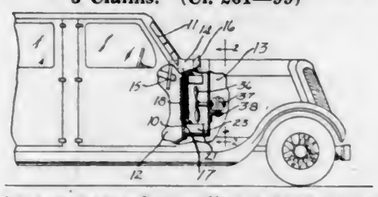
walls of said frame; a shaft extending between the said end walls of said frame and having end portions rotatably journaled in said bearings; a latch member carried by said shaft and cooperating with said teeth to latch said impression roll in either raised or lowered position; and a handle carried by said shaft for moving the same in a direction to move the said latch member carried thereby out of latching engagement with said teeth.

2,068,708
FUSE FOR PROJECTILES
Virgil R. Reed, Dover, N. J.
Application June 14, 1935, Serial No. 26,623
5 Claims. (Cl. 102—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



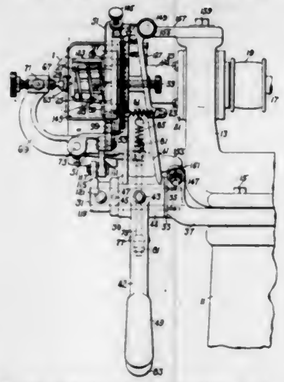
1. In a fuse, a body having front and rear chambers and a central passage connecting the chambers, a nose closing the front chamber and having a central passage, a tube disposed in the central passage of the nose and body, a collar on the tube engageable with the nose, segments between the collar and the body, a set-back sleeve in the front chamber having a shearable connection with the segments, a spring for moving the sleeve free of the segments, a firing pin carried axially by the tube and extending into the rear chamber, a disc carried by the firing pin and disposed in the rear chamber in spaced relation to the front wall thereof, and means for venting the rear chamber at its front part.

2,068,709
AIR COOLING MEANS FOR VEHICLES
Joseph H. Reynolds, Cisco, Tex.
Application February 18, 1935, Serial No. 7,051
3 Claims. (Cl. 261—99)



1. An apparatus for cooling vehicles including a cooling unit comprising, a pair of cooperatively opposed liquid tanks, means for maintaining liquid in said tanks at a given level, moisture absorbing wick elements disposed between the tanks in parallel relation to each other and having their ends extended into the liquid within the tanks, means for supporting the wick elements throughout their lengths between the tanks, means for securing said wick elements to the respective tanks comprising, a restricted tubular support on the tank for each element and a resilient sleeve on the adjacent end portions of the respective elements, each sleeve being inserted in a tubular support and having its end portion turned over the adjacent end portion of said tubular support, and means for directing air currents between and around said elements.

2,068,710
MACHINE FOR OPERATING ON HEELS
Fred Ricks, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 15, 1934, Serial No. 725,768
In Great Britain June 20, 1933
15 Claims. (Cl. 12—47.1)



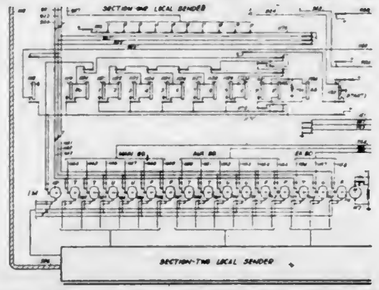
1. In a machine for operating on heels, the combination of a cutter, a work support mounted on the machine frame for movement relatively to the cutter, a handle on the work support, a clamp for holding the work on the work support, and a clamp actuating lever so arranged relatively to the handle of the work support that the handle and the lever may be gripped simultaneously in one hand and the work may be clamped by closing the hand on the lever and handle and released by relaxing the grip of the hand on the lever and handle.

7. In a machine for operating on heels, the combination with a rotary cutter, of a work support mounted on the machine frame for movement relatively to the cutter, gages carried by the work support and arranged to centralize the heel relatively to the axis of the cutter, and means operable by movement of the work support toward the cutter to move said gages away from the supported heel and into a position in which they will not interfere with the operation of the cutter.

15. In a machine for operating on heels, a rotary concaving tool provided with a series of milling teeth broken by a helical groove extending from end to end of the tool, a heel clamp mounted on the machine frame for movement to carry the heel toward and from the cutter, an adjustable stop for limiting the movement of the clamp toward the cutter, and an adjustable stop for determining the open position of the clamp.

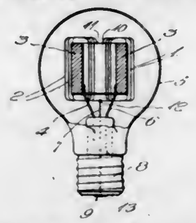
2,068,711
STOCK QUOTATION SYSTEM
Harold C. Robinson, Chicago, and John I. Bellamy, Brookfield, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 10, 1931, Serial No. 549,969
11 Claims. (Cl. 177—353)

1. In a stock-quotation system including a transmitter and a receiver, means in the transmitter for transmitting the characters of a stock quotation by sending different groups of code units, means in the transmitter for transmitting an additional signal in predetermined relationship to the characters of a stock quotation, said additional signal comprising more code units than are assigned to characters of the quotation, cyclically operable registers in the receiver, transfer means in the receiver operable coincident to the receipt of the code unit groups for



rendering the registers operable successively to register received code-unit groups, one of said registers being responsive to said predetermined code-unit combination, and transfer means associated with the last-named register for transferring to the next succeeding register dependent upon receiving said predetermined code-unit combination and non-responsive to the receipt of any code-unit combination containing a smaller number of code units.

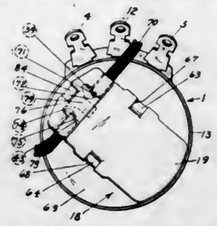
2,068,712
HIGH TEMPERATURE SLOW ELECTRO-MAGNETIC DEVICE
Albert B. Rypinski, Laurelton, Long Island, N. Y.
Application December 20, 1933, Serial No. 703,313
22 Claims. (Cl. 171—119)



1. An electromagnetic device comprising two windings connected in parallel one with respect to the other, effectively coupled magnetically for mutual induction and arranged, when energized, to produce changes in magnetism by means of disproportionate changes in resistance with temperature of the two windings thereof, and a gas filled vessel enclosing the elevated temperature windings.

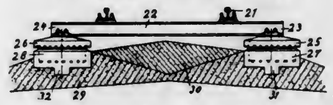
2,068,713
CONTROL DEVICE
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
Application December 26, 1933, Serial No. 703,917
6 Claims. (Cl. 200—154)

6. A slow break switch comprising a pair of cooperating contact members, means mounting said contact members in mutual pressure engagement, means including a cam bearing upon at least one of said contact members for separating said contact members to open said switch, transiently engageable means for actuating said cam, means including at least one of said contact members for imparting an acceleration to



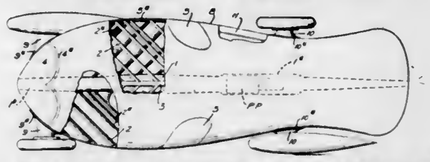
said cam when said transiently engageable means is disengaged, said contact members being positioned to engage with a mutual wiping blow prior to the normal end of said accelerated movement when said cam is actuated to close said switch.

2,068,714
ELASTIC PERMANENT WAY
Curt Stedefeld, Hanover, Germany
Application January 3, 1933, Serial No. 649,998
In Germany January 11, 1932
12 Claims. (Cl. 238—109)



1. In an elastic railroad track the combination of a rail, a transverse elastic sleeper supporting said rail, a separate inelastic block supporting each end of said sleepers, pot members receiving said blocks, and a layer of sand between the bottoms of said blocks and the floors of said pots, there being two conduits through each of said blocks opening in the lower face thereof, whereby sand may be introduced and removed to vary the depth of the layer of sand.

2,068,715
VEHICLE BODY STRUCTURE
Charles E. Stevens, Hawthorne, Calif.
Application July 17, 1934, Serial No. 735,548
19 Claims. (Cl. 296—28)

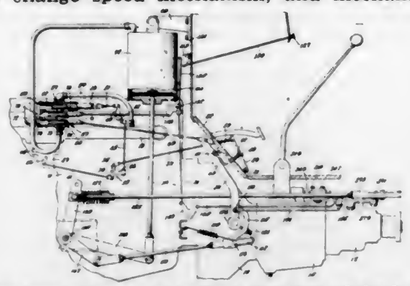


1. In an automobile body, a warpable hollow automobile frame, said frame being curved in transverse cross section and warpable both vertically and transversely.

2,068,716
TRANSMISSION CONTROL
Perry L. Tenney and Olaf Rasmussen, Lansing, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 17, 1932, Serial No. 633,615
17 Claims. (Cl. 192—.01)

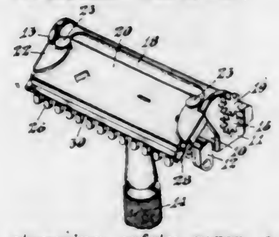
1. In a motor vehicle having an engine, a main clutch, change speed mechanism, and a free wheel clutch the latter having a lock-out device,

power means to release the main clutch and shift the change speed mechanism, and mechanism



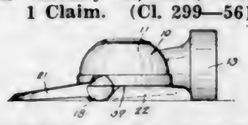
operating in response to the actuation of the lock-out device to render the power means inoperative.

2,068,717
SAFETY RAZOR
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 4, 1935, Serial No. 43,563
8 Claims. (Cl. 30—57)



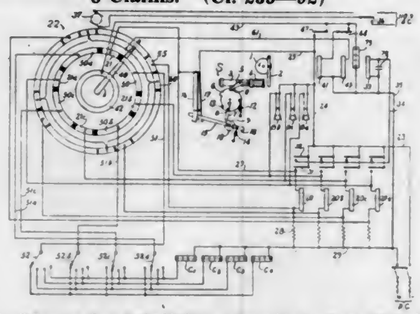
8. In a stropping safety razor, a pivotally mounted blade-carrier arranged to reverse the position of the blade in the stropping operation, blade clamps mounted on the carrier, and means for engaging said clamps once in each oscillation of the carrier to insure that they are maintained in blade-clamping position.

2,068,718
TWIN SPRINKLER
Walter Van E. Thompson, Los Angeles, Calif., assignor to Thompson Manufacturing Company, Los Angeles, Calif., a corporation of California
Application January 21, 1935, Serial No. 2,646
1 Claim. (Cl. 299—56)



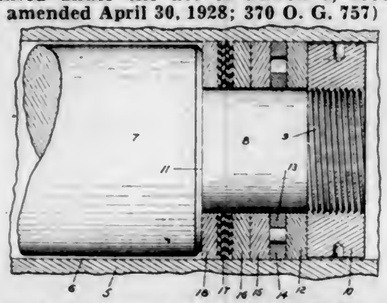
In a sprinkler of the character described, the combinaton of: a body having a pair of side-by-side chambers having outlets, and having an inlet for supplying liquid to said chambers; supporting formations on said body projecting downwardly therefrom and resting at the corners of a triangular area; a pair of leg members so pivotally connected to two of said supporting formations that they are swingable from an extended position horizontally outward from said body in diverging relationship to provide a larger base, into depending position for penetration into the ground, and into collapsed position below said body and within the confines of said formations; and stop means operative when said leg members are in extended position for holding them in positions for coengagement by said leg members and said formations with the ground.

2,068,719
TOTALIZING COUNTER
Ferdinand B. Troutman, Elmhurst, Ill.
Application December 3, 1934, Serial No. 755,675
8 Claims. (Cl. 235—92)



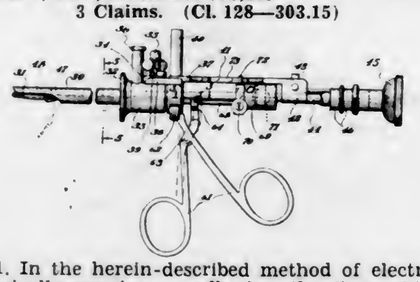
1. Means for totalizing operation of a plurality of independently operating devices, comprising a plurality of register relays, one for each device, means responsive to a predetermined operation of any device for operating the associated register relay, a master control mechanism, means controlled by the register relays for starting the master control mechanism, relay means common to all of the devices and controlled by the master control mechanism for stopping the sending of counting impulses after one counting impulse has been sent, whereby sending of another counting impulse is dependent upon a re-assumption of control of the master control mechanism by a register relay, the master control mechanism including an electric motor for operating the same, the motor being started by the means controlled by the register relays, and means for continuing the operation of the motor for a time interval at least a substantial fraction of a minute after stopping of the sending of counting impulses and for then interrupting the motor circuit in the absence of the re-assumption of control by a register relay in the interval.

2,068,720
PACKING FOR SEALING HIGH PRESSURE FLUIDS
Thomas K. Vincent, U. S. Army, Manhattan, Kans.
Application January 11, 1935, Serial No. 1,321
7 Claims. (Cl. 288—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



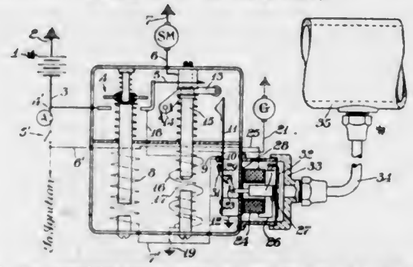
1. In high pressure apparatus including concentric cylindrical members having spaced seating surfaces, a packing of adjoining rings between said members and said seating surfaces, said packing including in the order of arrangement towards the pressure side of the assembly a supporting ring, a pair of radially spaced metallic rings having unsupported adjacent faces, a pressure-transmitting ring of softer material and greater area than the radially spaced rings, rings of different materials and having ductility decreasing towards the pressure side of the assembly, and a pressure-receiving end ring of relatively hard metal.

2,068,721
METHOD FOR ELECTROSURGICAL SEVERANCE OF ADHESIONS
Frederick Charles Wappler, New York, N. Y. and Reinhold H. Wappler, deceased, late of Yonkers, N. Y., by Frederick Charles Wappler, administrator, New York, N. Y.
Original application November 18, 1932, Serial No. 643,150. Patent No. 2,031,682, dated February 25, 1936. Divided and this application December 7, 1934, Serial No. 756,489
3 Claims. (Cl. 128—303.15)



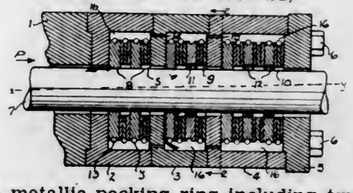
1. In the herein-described method of electrosurgically severing an adhesion, the steps which consist in firmly engaging the adhesion at two spaced areas on opposite sides of the area to be cut, electrically coagulating the area between the areas of engagement by means of a high-frequency coagulating current, and then electrically cutting transversely through said coagulated area by means of a high-frequency cutting current without releasing said engagement, whereby the resultant stumps may be inspected before they are finally released.

2,068,722
BACKFIRE RELEASE
Daniel L. Wertz, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application January 28, 1932, Serial No. 589,517
8 Claims. (Cl. 290—37)



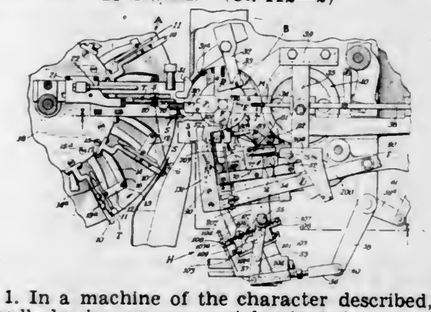
1. In combination with an engine to be started having a fuel intake system, automatic starting mechanism including a magnetic starting switch, a control circuit therefor including a pair of contacts, means responsive to forward rotation of the engine for opening said contacts, and means for opening said contacts responsive to positive pressure in said fuel intake system due to backward rotation of the engine.

2,068,723
METALLIC PACKING FOR VARIABLE PRESSURES
Harley T. Wheeler, Dallas, Tex.
Application June 1, 1933, Serial No. 673,818
16 Claims. (Cl. 286—24)



1. A metallic packing ring including two segments adapted to interfit, each segment including a central body portion, one segment having a forwardly extending tongue at each end and the other segment having a slotted arm at each end to receive said tongue, and a curved end on each tongue adapted to frictionally engage in a recess in each of said slotted arms and resist disengagement of said segments.

2,068,724
APPARATUS AND METHOD OF MAKING NONTANGLING STRING HANDLE BAG PACKAGES
Josef Wichulski and Michael Pizzolanella, New York, N. Y., assignors to Millie Patent Holding Co. Inc., New York, N. Y., a corporation of New York
Application February 11, 1935, Serial No. 6,048
18 Claims. (Cl. 112—2)

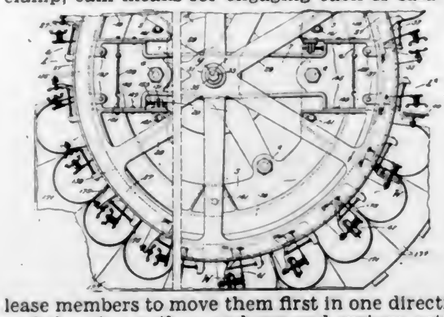


1. In a machine of the character described, a needle having an open notch adapted to engage a string, needle supporting means, means for holding a tea bag in position, means for successively moving said needle supporting means toward and away from said tea bag supporting means, said needle support moving means being constructed and arranged to effect reversal of the needle at a speed sufficient to disengage the string from the needle notch.

2,068,725
SORTING MACHINE
Evan George Wilson, Blundellsands, near Liverpool, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 2, 1933, Serial No. 691,810
In Great Britain October 5, 1932
7 Claims. (Cl. 209—89)

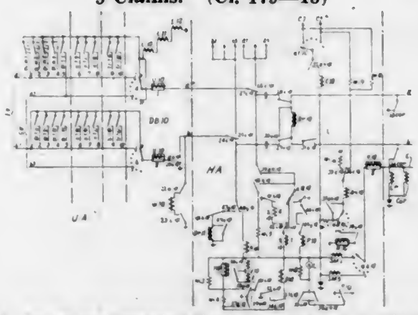
1. A sorting machine having in combination a rotary carrier, a plurality of work-holding clamps mounted on the carrier each clamp comprising a jaw movable into operative position to clamp the work, a release member connected

with the jaw the distance of which from the axis of rotation of the carrier depends upon a dimension of the particular piece of work held by the clamp, cam means for engaging each of said re-



lease members to move them first in one direction and then in another, and opposed springs acting to open and to close the jaws upon movements of the released members.

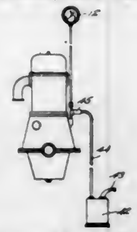
2,068,726
TELEPHONE SYSTEM
Eduard Wochinger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application July 8, 1935, Serial No. 30,380
In Germany July 13, 1934
5 Claims. (Cl. 179—18)



1. In an automatic telephone system, a selector switch, a plurality of subscribers' lines connected to said selector, means for automatically operating said selector step-by-step to hunt for a calling one of said lines, a testing circuit in said selector, means for closing and opening said testing circuit after each step of said selector to test for the calling line, and means controlled by the testing circuit for stopping the automatic operation of the selector when the calling line is found.

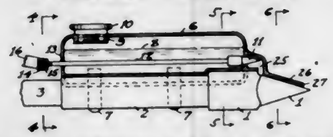
2,068,727
LUBRICATION SYSTEM
Victor F. Zahodiakin, Cincinnati, Ohio
Application November 21, 1932, Serial No. 643,683
3 Claims. (Cl. 184—1.5)

1. In combination with a pressure lubrication system for an internal combustion engine, a fitting including an outlet nipple mounted in one of the distributing conduits of said system, a thimble valve screwed on said nipple, said valve having longitudinal external flutes and apertures in its sides near its closure end, said fitting including a sleeve flange surrounding said valve and nipple, detents mounted in the nipple and engaged into the ends of the grooves between said flutes for preventing rotation of the valve, a coupling and key element of tube form including internal flutes cooperating with the flutes of the valve and adapted to depress the detents clear of the valve, whereby the valve may be rotated,



said coupling element including a flange for sealing engagement with the end of said sleeve flange, and a discharge tube extending from said coupling.

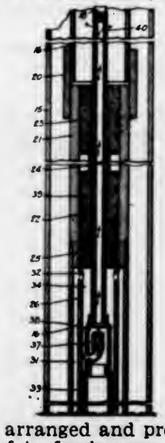
2,068,728
SOLDERING IRON
William Amos, Detroit, Mich.
Application August 9, 1935, Serial No. 35,511
6 Claims. (Cl. 113—109)



1. A solder reservoir adapted to be secured to a soldering iron outside of its periphery and having its adjacent surface in contact with said periphery in such manner as to receive heat therefrom, said reservoir having a discharge opening adjacent the point of said iron and having an integral apron adapted to over-lie said point and arranged in spaced relation therewith to provide a narrow orifice therebetween through which molten metal issuing from said orifice is directed upon the work-piece.

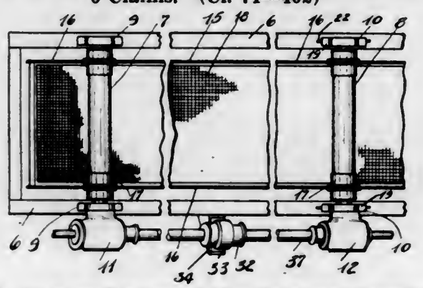
2,068,729
OIL WELL PUMP
Geoffery Guy Basher, Bakersfield, Calif.
Application June 18, 1934, Serial No. 731,212
1 Claim. (Cl. 103—192)

In a pumping organization for oil wells, the combination with tubing, of a liner interposed between and connecting sections of the tubing and having a uniform internal diameter which is less than the internal diameter of the tubing, and a pumping assembly contained in the tubing and including a working barrel having a smooth externally cylindrical liner at its upper end frictionally received in the liner of the tubing to provide a fluid tight connection therewith and co-acting therewith to normally hold both liners sufficiently associated with each other to prevent relative separation thereof when the pump is operating while enabling the pumping assembly with the barrel liner to be pulled from the tubing, said pumping assembly having a hollow reciprocal plunger rod provided with a long length hollow plunger working in said barrel and having a ball valve at its extreme upper end and a traveling valve at its extreme lower end, said tubing liner serving to space the walls of the barrel from the walls of the tubing to provide a chamber therebetween for movement of liquid from the well to the bore of the plunger through the ball valve on the upstroke of the plunger and said traveling valve serving to admit liquid to the bore of the plunger on the down stroke of the plunger; and valves at the bottom of the barrel co-acting with the valves of the plunger to enable the liquid to be pumped as aforestated; all of said valves



being formed, arranged and proportioned to enable all thereof to freely pass through the bore of the tubing liner when pulling the pumping assembly from or dropping same into the tubing.

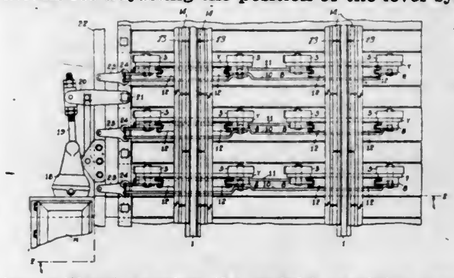
2,068,730
GYRATING SCREEN
George W. Behnke, Durand, Mich., assignor to Simplicity Engineering Company, Durand, Mich., a corporation of Michigan
Application September 28, 1935, Serial No. 42,688
6 Claims. (Cl. 74—402)



1. In a mechanism of the character described and including a frame longitudinally spaced apart shaft assemblies mounted thereon, bearings in which the ends of the shaft are journaled, one set of bearings having frictional engagement with the frame, longitudinally disposed driving means geared to and driving both shaft assemblies, said bearings being longitudinally adjustable on the frame when the end thrust from the driving means overcomes the frictional contact with the frame.

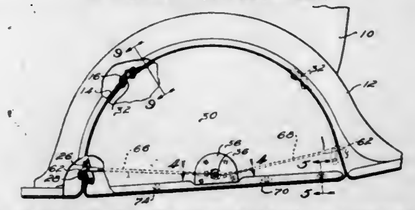
2,068,731
CAR RETARDER FOR RAILROADS
Ned C. L. Brown, Scottsville, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application December 26, 1930, Serial No. 504,674
18 Claims. (Cl. 188—62)

1. In a car retarder of the track brake type, in combination with a track rail, a brake shoe at each side of the rail, a lever system for supporting a passing car wheel and causing the weight carried by the shoes to force them into frictional engagement with the sides of the wheel, and means for adjusting the position of the lever sys-



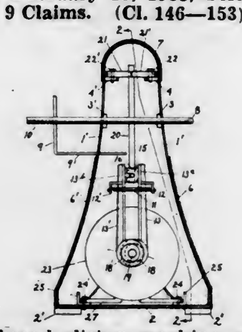
tem without varying the weight receiving position of any shoe thereby, to thereby adjust the degree of retardation exerted.

2,068,732
AUTOMOBILE FENDER
Robert Cadwallader, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application February 21, 1934, Serial No. 712,283
5 Claims. (Cl. 280—153)



1. A closure for the open side of an automobile fender comprising a substantially semicircular cover having an inwardly extending flange at its periphery, spaced projections extending vertically beyond the outer periphery of said flange, and diametrically opposed locking members pivotally mounted at the inner periphery of said flange and extending through said flange for locking engagement with a support.

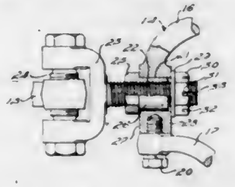
2,068,733
SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application February 18, 1935, Serial No. 7,003
9 Claims. (Cl. 146—153)



1. In a bread slicing machine comprising a housing having side plates, a plurality of slicing blades mounted therein, a plurality of supporting lugs united to the side plates at opposite sides of

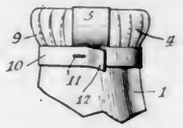
the housing each having a longitudinal groove formed therein, a pair of rods slidingly mounted in said grooves on opposite sides of the machine, a handle uniting said rods at one end thereof and a slotted crossbar uniting said rods at the opposite end, said crossbars being provided with fingers intermediate the slots, a correspondingly plurality of L-shaped rods having vertical arms united to said fingers and horizontal arms adapted to form a support for a loaf of bread, said supporting rods and fingers being adapted to pass between the cutting blades while the bread is being sliced and to carry the bread entirely past the blades.

2,068,734
VEHICLE WHEEL SUSPENSION
Edward J. Delahanty, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application July 12, 1934, Serial No. 734,721
15 Claims. (Cl. 280—124)



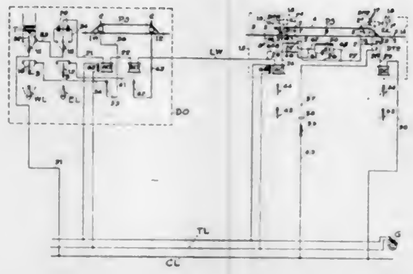
1. In a suspension for a steering ground wheel of a motor vehicle having a frame structure, wheel supporting means including a substantially vertically extending arm, upper and lower linkages intermediate said frame structure and said arm, an adjustable connector between said arm and one of said linkages, said connector having a threaded stem, and a headed bushing threaded on said stem and engaging the last said linkage and adapted to adjust said stem laterally of the vehicle to vary the wheel camber.

2,068,735
BOTTLE CLOSURE
Jules Gallet de la Minardiere, Jean Eugene Laurin, and Victor Ephrem Lambert, Montreal, Quebec, Canada
Application April 8, 1936, Serial No. 73,274
7 Claims. (Cl. 215—38)



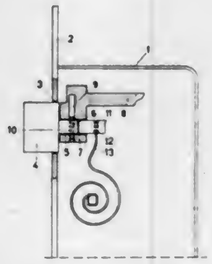
7. In combination with a bottle having a seat in its mouth, a sheet covering the mouth and overhanging in contact with the outer surface of the bottle neck, a strip crossing said sheet and secured to the overhanging part thereof, a disk fastened to said strip and mounted in said seat, the fastening being entirely above said sheet, a band holding the edge of said sheet against said neck, the end parts of said band being fastened together, one end of said band being extended beyond the point of fastening to provide a finger piece, another strip crossing said sheet on the other side and fastened by the same means, the center of the latter strip being in the form of a disk and placed concentric to the first disk.

2,068,736
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Oscar H. Dicke, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 12, 1928, Serial No. 269,388
24 Claims. (Cl. 246—3)



1. In a train dispatching system, the combination with a line circuit containing a relay responsive only to alternating current and a relay responsive only to direct current in series and located at a distant way station, means at a local dispatcher's office for applying alternating current or direct current or both to the line circuit including said relays in series, an alternating current indicating relay and a direct current indicating relay located at said dispatcher's office and connected in series with said line circuit, and means at said way station for stopping the flow of direct current without interfering with the flow of alternating current or reduce the flow of alternating current without interfering with the flow of direct current to cause de-energization of one or the other of said indicating relays.

2,068,737
LOCKING DEVICE FOR TWO RELATIVELY DISCONNECTABLE PARTS
Abraham de Vries, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Ijzerhandel I. M. de Vries, Amsterdam, Netherlands
Application January 19, 1935, Serial No. 2,565
In Germany February 12, 1934
3 Claims. (Cl. 292—244)

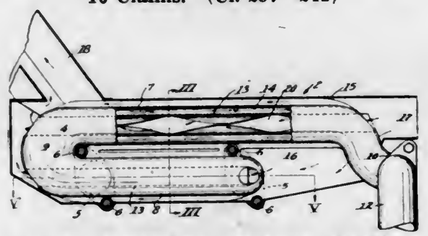


1. A locking device comprising a bipartite lock bolt, one part having a bore therethrough and the second part having a stem engaged in said bore with a hole passing laterally through the stem and continued axially as a recess in the first part of the bolt, and a freely movable body within said hole and recess.

2,068,738
BEVERAGE PRODUCTION
Howard File, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application October 26, 1933, Serial No. 695,321
4 Claims. (Cl. 99—36)

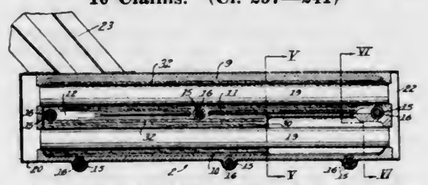
2. In a process of making beer which comprises subjecting malt to a mashing step to produce a wort, subjecting the wort to alcoholic yeast fermentation and filtering the product thereof, the improvement which consists in adding concentrated corn steep water to the treated material prior to the filtration step.

2,068,739
AUTOMOBILE HEATER
Charles M. Francisco, Frank Acton, and George W. Lenhart, Columbus, Ohio, assignors to Francisco Auto Heater Company, Columbus, Ohio, a corporation of Ohio
Application May 8, 1935, Serial No. 20,424
10 Claims. (Cl. 257—241)



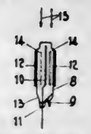
1. In an automobile heater, a sheet metal manifold comprising a pair of duplicative complemental sections, each of said sections having reversely bent conduit forming grooves provided therein, welded abutting webs formed between said grooves, the conduits formed by said grooves being of unequal length, and the shorter of said conduits being provided with laterally directed ports formed for registration with exhaust gas outlets of an associated engine, and means positioned above and below said shorter conduit for guiding bolts used in attaching said manifold to an automobile engine.

2,068,740
AUTOMOBILE HEATER
Charles M. Francisco, Columbus, Ohio, assignor to Francisco Auto Heater Company, Columbus, Ohio, a corporation of Ohio
Application April 17, 1936, Serial No. 74,989
10 Claims. (Cl. 257—241)



1. An automobile heater comprising a manifold formed from a pair of sheet metal sections welded together along their contacting edges, said sections being formed to include a pair of substantially parallel longitudinally extending exhaust gas passages of substantially equal length communicating with each other at one end only of the manifold, longitudinally extending open-ended conduits positioned in the passages of said manifold, a heater casing surrounding said manifold and spaced from the outer walls thereof, said casing being in open communication at its forward end with the atmosphere, and means establishing communication between the rear portion of said casing and the passenger compartment of a vehicle body.

2,068,741
GAS-FILLED DISCHARGE TUBE
Heinrich H. Geffcken, Naunhof, near Leipzig, and Hans R. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application November 9, 1934, Serial No. 752,214
In Germany November 11, 1933
4 Claims. (Cl. 176—122)

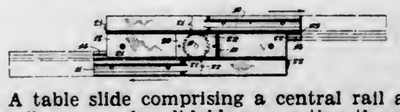


1. A luminous glow discharge tube comprising a cylindrical envelope, a gaseous atmosphere therein, a first co-axial wire shaped electrode mounted within said envelope and extending close to the front end thereof, and a second concentric electrode covering the outer wall of said envelope to such an extent as to be equidistant from said first electrode throughout substantially the entire length of the latter.

2,068,742
INSECTICIDE
Charles B. Gnadinger, Minneapolis, Minn.
No Drawing. Application January 6, 1933, Serial No. 650,505
20 Claims. (Cl. 167—14)

1. A process for producing an insecticide which consists in adding three ounces of selenium to one gallon of calcium polysulphide solution.

2,068,743
TABLE SLIDE
Warren T. Green, Louisville, Ky., assignor to Mengel Body Company, Incorporated, Louisville, Ky., a corporation of New Jersey
Application October 31, 1935, Serial No. 47,683
2 Claims. (Cl. 311—75)

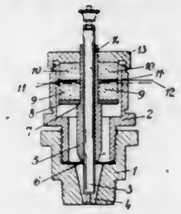


1. A table slide comprising a central rail and side rails, means for slidably connecting the side rails on opposite sides of the central rail, said central rail having a circular recess formed in one of its outer faces midway of the length thereof, a pivot pin carried by said central rail and projecting axially within said recess, a roller in said recess and rotatably mounted upon said pivot pin, a cover plate retaining the roller within said recess, and oppositely looped bands passing over the roller and connected at their respective ends to the respective side rails.

2,068,744
PIEZO ELECTRICAL PRESSURE MEASURING DEVICE
Walther Gutzke, Berlin, Germany
Application April 14, 1933, Serial No. 666,135
In Germany April 15, 1932
1 Claim. (Cl. 177—351)

A combined spark plug and engine indicator in the form of a normal spark plug comprising a

hollow metallic body with a shoulder, a second hollow metallic member threaded in said first body, a metallic diaphragm fitted on said shoulder of said first body and pressed firmly on said shoulder by said threaded in member, a metallic tubular member, the lower end of which being firmly connected with said diaphragm, the upper end of which possessing a bearing surface and containing an insulated ignition pin, extending through said diaphragm from the combustion space to the



electric connection means, said diaphragm hermetically sealing off a hollow space against the combustion chamber of the cylinder, said hollow space containing piezo-electric crystals constructed in the form of rings concentrically surrounding said ignition pin and pressed between a pressure ring placed over said bearing surface and a threaded cover, said piezo-electric device screened off electrically by said two metallic bodies, said metallic tubular member and said diaphragm.

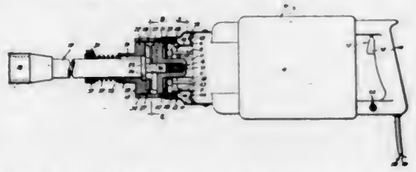
2,068,745

POWER TOOL

Walter Hall, Los Angeles, Calif., assignor of one-half to J. Michael O'Meara, Los Angeles, Calif.

Application June 26, 1935, Serial No. 28,528

20 Claims. (Cl. 192—150)



1. In a portable power tool having a driving motor and an energizing circuit for the motor, the combination of a driving element driven by the motor, a driven element, a clutch comprising clutch members on the elements, the clutch members being related for relative movement between an engaged rotation transmitting position and a released position and being formed to move one relative to the other to said released position when subjected to a heavy torque, and means normally yieldingly holding the clutch members in the released position, and a control for the motor governed by movement between the clutch members including cooperable contacts movable axially with the clutch members.

2,068,746

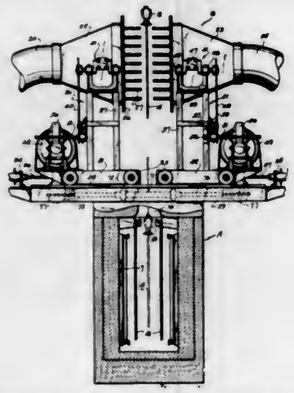
APPARATUS FOR CASE HARDENING GLASS

Robert S. Hinsey, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application May 4, 1935, Serial No. 19,783

12 Claims. (Cl. 49—45)

12. In apparatus for use in the case hardening of glass sheets wherein the sheet is first heated to substantially the softening point of the glass and then suddenly cooled, means for cooling the glass sheet including spaced cooling units for receiving the heated sheet therebetween and means for moving said cooling units simultaneously toward



and away from one another including an air cylinder associated with each unit, a piston operating within each cylinder and connected with the respective cooling unit, a common control valve, and connections between said valve and cylinders for simultaneously actuating the pistons.

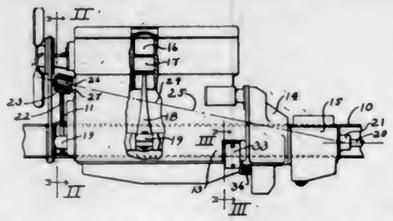
2,068,747

INTERNAL COMBUSTION ENGINE MOUNTING

Carroll Le Roy Humphrey, deceased, late of Highland Park, Mich., by Vivian Humphrey, administratrix, Highland Park, Mich., assignor to Chrysler Corporation, a corporation of Delaware

Application February 16, 1933, Serial No. 657,142

16 Claims. (Cl. 248—7)



1. A mounting for a power unit including an internal combustion engine and having torque transmitting mechanism operatively connected with the rear end of the latter, comprising a frame structure; and means for oscillatively mounting said unit on said frame structure about an axis extending forwardly at an inclination to the crankshaft of said unit and passing substantially through the center of mass of said unit, said means comprising a front mounting member having a resilient element interposed between said frame structure and power unit and located in close proximity to said axis and a pair of oppositely inclined resilient mounting members located rearwardly of and spaced longitudinally from said first mentioned mounting member and interposed between said frame structure and portions of said unit remote from said axis, said rear mounting members being substantially tangent to a circle having its center on said axis.

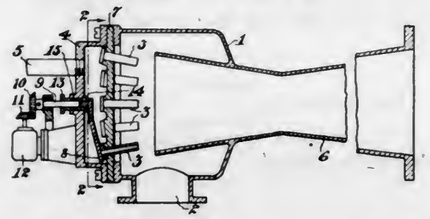
2,068,748

THERMO-COMPRESSOR

Elmer E. Kleir, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application July 26, 1934, Serial No. 736,988

7 Claims. (Cl. 230—103)



1. A thermo-compressor having a casing, a plurality of nozzles fixed in the casing to discharge a power medium, means to deliver power medium to the nozzles, a movable element to sweep over the ends of the nozzles and close some of the nozzles, and means to continuously move the element from nozzle to nozzle, the nozzles acted upon by the element being momentarily closed in timed sequence by the element to create momentarily inactive zones in successively different regions of the discharging power medium whereby the entrainment of fluid in the medium is facilitated.

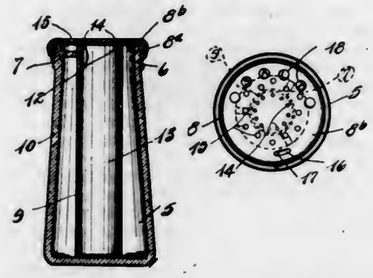
2,068,749

COMBINATION SALT AND PEPPER SHAKER

John La Douce, Saginaw, Mich., assignor of one-half to Joseph W. Firstel, Saginaw, Mich.

Application May 10, 1935, Serial No. 20,781

1 Claim. (Cl. 65—45)



A combination salt and pepper shaker comprising a hollow receptacle formed with a threaded end portion, a centrally disposed receptacle mounted therein and forming an individual inner compartment, inwardly projecting lugs adjacent the upper end of the hollow receptacle for centering said centrally disposed receptacle, a sectional cover threaded on the outer receptacle forming a closure for said compartments, groups of openings formed in the inner cover section and communicating with the respective compartments, indicia provided on said inner section, and an outer cover section mounted for limited rotation on the inner section, and provided with a concentric slot therein, a pin on the inner cover section and projecting into said slot, companion groups of openings formed on the outer cover section and adapted in one position to register with one set of openings in the inner section, while closing the remaining openings therein, and openings in the outer shell for displaying said indicia to indicate the setting of said outer section.

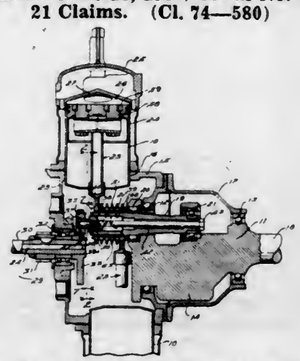
2,068,750

INTERNAL COMBUSTION ENGINE

Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application June 13, 1934, Serial No. 730,434

21 Claims. (Cl. 74—580)



1. In an engine having a crankshaft, a crank pin, a plurality of connecting rods successively exerting pressure on said crank pin, means for journalling said crank pin in said crankshaft for rotation relative to its rotational displacement with said crankshaft and with whichever of said connecting rods exerts the greatest instantaneous load thereon, each of said connecting rods having a load applying bearing portion rotatably engaging said crank pin independently of the load applying bearing portion of each other of said plurality of connecting rods.

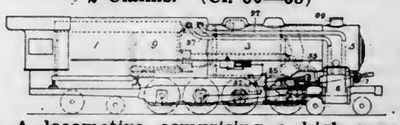
2,068,751

LOCOMOTIVE

Alphonse I. Lipetz, Albany, N. Y.

Application November 3, 1933, Serial No. 696,457

2 Claims. (Cl. 60—68)



1. A locomotive comprising a high pressure steam generator; a low pressure steam generator; a high pressure steam working cylinder; a low pressure steam working cylinder; means for transmitting high pressure steam from said high pressure steam generator to said high pressure cylinder for operating said high pressure cylinder; means for transmitting low pressure steam from said low pressure steam generator to said high pressure cylinder and utilizing said low pressure steam for heating said high pressure cylinder; and means for transmitting said low pressure steam from said high pressure cylinder, after its said utilization, to said low pressure cylinder for operating said low pressure cylinder.

2,068,752

MAIN OPERATED VOLTAGE AMPLIFIER

Siegmund Loewe and Manfred von Ardenne, Berlin, Germany; said von Ardenne assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany, a company of Germany

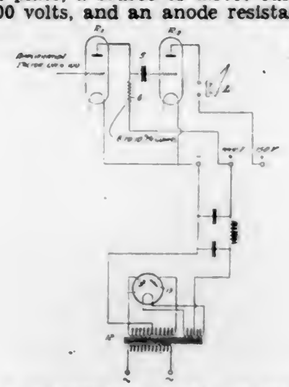
Application January 20, 1930, Serial No. 422,212

In Germany January 22, 1929

2 Claims. (Cl. 179—171)

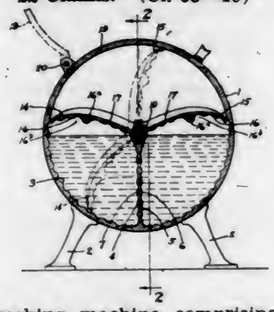
1. In an electric amplifier a tube of an amplification factor of more than 100 having cathode,

grid and plate, a source of direct current of at least 1000 volts, and an anode resistance in the



order of 8–10 megohms connecting said anode of said tube to the positive pole of said source.

2,068,753
WASHING MACHINE
Joseph Lunoe, Minneapolis, Minn.
Application September 17, 1934, Serial No. 744,286
22 Claims. (Cl. 68—19)



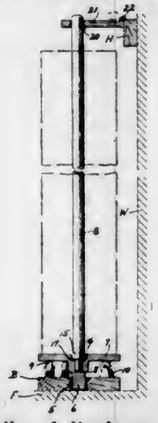
14. A washing machine comprising a water receptacle having a cylindrical inner wall and having a vertical partitioning means lying in a plane diametric to the axis of the cylinder and defining two goods chambers, and a single oscillatable suction-creating element oscillating about a permanent axis which substantially coincides with the axis of the cylinder, and having two portions one for each chamber alternately operable to move the goods in its chamber toward and away from partitioning means, each portion adapted to compress the goods against the partitioning means, said portions being so related to one another and to the partition as to allow a total arc of swing of substantially 180° when no clothes are in the goods chambers.

2,068,754
CAR RETARDER FOR RAILROADS
Stuart J. Mackey, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 13, 1931, Serial No. 536,959
5 Claims. (Cl. 188—62)



1. In a car retarder of the track brake type, in combination with a track rail, a brake shoe at each side of the track rail, a downwardly inclined shoe beam at each side of the track rail and carrying its respective brake shoe, means for moving the shoe beams to cause the brake shoes to support a passing car wheel entirely free of the track rail, and means for thereafter moving the outer ends of the brake beams upwardly along an arc concentric with the point of pressure between the brake shoe and the car wheel.

2,068,755
RACK FOR FLOOR COVERINGS AND THE LIKE
John H. Miller, Chicago, Ill.
Application August 28, 1935, Serial No. 38,159
1 Claim. (Cl. 242—55.3)

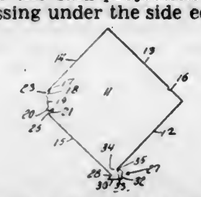


A rack for rolls of linoleum and like floor coverings, comprising an elongated rectangular base member having a plurality of longitudinally spaced sockets formed therein, a circular series of roller carrying frames mounted rigidly upon the base around each of said sockets with the axes of the rollers of each series fixedly disposed radially of the respective socket axis, a freely removable turntable provided with a depending trunnion journaled in each of said sockets, the under side of each turntable adjacent the periphery thereof providing a runway for said rollers and the sole support for the turntable, a socket having a non-round lower portion formed in the upper face of each of said turntables, a roll centering spindle for each turntable having its lower end shaped to fit snugly within the socket thereof and non-rotatably engage the non-round lower portion of the socket, and a block mounted to swing into a horizontal position over a roll supported upon a turntable and having a bearing therein adapted to receive and rotatably support the upper end of the spindle.

2,068,756
INTERLOCKING SHINGLE
Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application January 31, 1935, Serial No. 4,260
5 Claims. (Cl. 108—7)

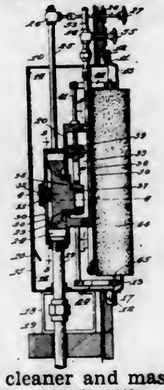
1. An interlocking shingle, comprising a substantially square body portion having a locking projection on one corner thereof, said projection being disposed on one side only of said shingle and having one side thereof in line with the said side edge of the said body, said shingle be-

ing adapted to be laid with other like elements in overlapping courses with one corner of one element overlapping the opposite horizontal corner of a like element in the same horizontal course, with the said projection of an overlying element passing under the side edge of an under-



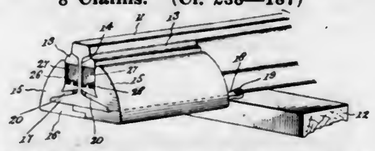
lying element and with the said side thereof in line with the side edge of the said body abutting against a side edge of another underlying element, said projection substantially filling the upper portion of the angle between said side edges of said underlying elements.

2,068,757
AUTOMATIC BACK CLEANER AND MASSAGER
Victor Mishelle, Los Angeles, Calif.
Application June 26, 1935, Serial No. 28,486
8 Claims. (Cl. 4—158)



1. In a back cleaner and massager, a housing provided in its front wall with an opening, a plurality of cylindrical applicators mounted for a vertical reciprocatory movement within the housing, portions of which applicators project through the opening in the front wall thereof, means within the housing to the rear of the opening for spraying liquid forwardly through the opening in said housing, a fluid pressure motor within the housing and driving connections between said motor and said applicators.

2,068,758
RAIL JOINT
Harry A. Mumper, Mechanicsburg, Pa.
Application March 31, 1936, Serial No. 71,936
8 Claims. (Cl. 238—187)

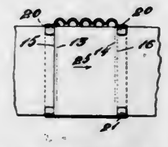


1. A rail joint comprising two pairs of fish plates adapted to be clamped one pair against the opposite sides of the web of each rail end, said fish plates having registering cut away portions forming recesses in their abutting ends, and alining and load transferring keys adapted to be seated at opposite ends in the recesses and at opposite sides of the rail webs to overlap the gap between the abutting ends of the rails.

2,068,759
METHOD OF MAKING PLYWOOD
James V. Nevin, Aberdeen, Wash.
No Drawing. Application August 12, 1935, Serial No. 35,884
4 Claims. (Cl. 144—309)

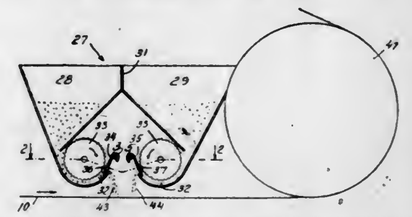
1. The method of making plywood which comprises applying successive coats of an aqueous solution of a resinous partial condensation product to a core surface, drying said core after each coating to a moisture content of not substantially over 4%, humidifying the final coating to impart to the coating itself a moisture content of from 15 to 40% and uniting said coated core with a veneer by the application of heat and pressure.

2,068,760
HAT ORNAMENT
Raymond William Olson, Providence, R. I., assignor to Excell Manufacturing Company, a corporation of Rhode Island
Application February 15, 1935, Serial No. 6,681
2 Claims. (Cl. 2—179)



1. A hat, an ornamental band about a portion thereof with its end portions in overlapping relation and the ends forming abutments, an ornamental member covering said overlapping portions, and means extending over the edges of said band and engageable with said ends to limit sliding movement of said member along said band in both directions for securing said member in such position.

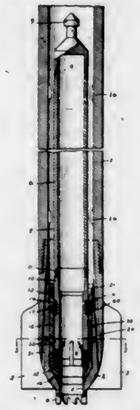
2,068,761
PROCESS AND APPARATUS FOR PRODUCING VARIEGATED ROOFING
Benjamin S. Penley, Yeadon, Pa., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application August 26, 1933, Serial No. 686,914
5 Claims. (Cl. 91—43)



1. The process of surfacing roofing which comprises simultaneously feeding a plurality of spaced wavy streams of granular material from a plurality of sources thereof in substantially vertical planes onto a moving roofing sheet, the streams

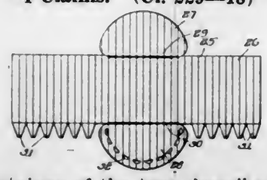
of each set being spaced from each other in a direction widthwise of the sheet and the sets of streams being spaced from each other in a direction generally longitudinally of the sheet, causing the streams of each set to flow in a sinuous path within its substantially vertical plane of flow and maintaining the streams of one set in staggered relation with respect to the streams of another set, the streams of one set overlapping the streams of the other set to insure complete coverage of the roofing sheet with granular material the granular material of one set being of different characteristics from that of another set and both sets of streams being fed onto the moving sheet at a velocity proportional to the movement of the sheet.

2,068,762
CORE DRILL
John V. Pennington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application July 28, 1934, Serial No. 737,412
12 Claims. (Cl. 255—72)



1. A core drill including a hollow drill stem; a drill bit secured to the lower end of said drill stem and having a central opening, the lower portion of the wall of said opening being tapered downwardly and inwardly; a liner in said opening and having a tapered lower end to fit the lower portion of the wall of said opening, and having a flared upper end and an internal annular groove, the upper wall of said groove being inclined upwardly and inwardly, and the lower wall of said groove being inclined downwardly and inwardly; a core barrel having upper and lower sections separably connected together, said core barrel being insertable downwardly in said drill stem until its lower section enters said liner; said lower section having a tapered lower end to fit the tapered lower end of said liner, and having an external annular groove; a split resilient latching ring in the groove in said barrel, and having a tapered upper portion and a tapered lower portion, the taper of said upper portion being steeper than the taper of said lower portion; said ring being automatically forced into said groove in said liner when said core barrel is moved downwardly, to releasably lock said core barrel in its core-receiving position, and being automatically forced out of said groove in said liner when an upward force is exerted on said core barrel, to permit said core barrel to be removed through said drill stem.

2,068,763
CONTAINER
Henry K. Powell, Chicago, Ill., assignor, by mesne assignments, to President and Directors of the Manhattan Company, a corporation of New York, trustee for Gibson Patent Containers, Ltd., New South Wales, Australia, a corporation
Application June 4, 1934, Serial No. 728,915
4 Claims. (Cl. 229—18)



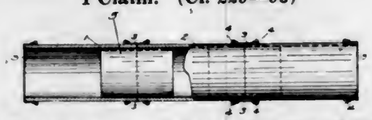
1. A container of the type described, comprising a fiber blank cut and scored to form a collapsible body portion, a bottom member adapted to fit within and joined to the lower edge of said body portion along a score line of substantial length to form a hinge, a plurality of juxtaposed tongues along the remainder of the lower edge of said bottom member, and interlocking means on said bottom member for progressively engaging said tongues when in upwardly inclined position to form a closure for the container, the entire portion of said blank being provided with closely spaced continuous score lines.

2,068,764
TARGET
Fred W. Preece, Toledo, Ohio, assignor to The "5" Spot Short Range Gun Clubs of America, Inc., Toledo, Ohio, a corporation of Ohio
Application August 20, 1936, Serial No. 97,031
4 Claims. (Cl. 124—15)



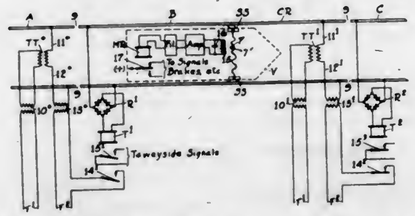
1. A target for use with firearms of .22 caliber having an objective spot resembling the numeral **5** formed such that the height and width of the spot are greater in size than a hole made by a bullet from the firearm so that a minimum of three shots are required to completely obliterate the objective spot.

2,068,765
MAILING TUBE
Charles H. Quinlan, Schenectady, N. Y.
Refiled for abandoned application Serial No. 694,133, October 18, 1933. This application February 26, 1936, Serial No. 65,895
1 Claim. (Cl. 229—93)



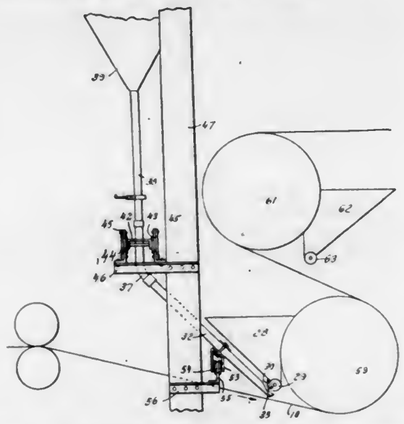
Mailing-tube comprising a plurality of tubular sections arranged with their ends in abutting relation having a joint, an inner connecting tube overlapping the ends at said joint and a locking device on the outside of the tubular sections at said joint; said locking device consisting of a tongue overlapping the ends of the tubular sections, and fastening means on said tongue, securing the tongue on opposite sides of said joint.

2,068,766
TRAIN CONTROL SYSTEM FOR RAILROADS
Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 30, 1932, Serial No. 645,012
20 Claims. (Cl. 246—34)



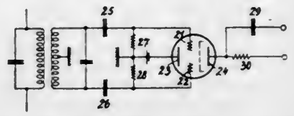
1. In combination with a vehicle which is out of electrical contact with its running rails, a track circuit, and a vehicle carried electrically conductive shunt inductively related to the track circuit for inductively shunting the track circuit to indicate occupancy.

2,068,767
PROCESS AND APPARATUS FOR SURFACING ROOFING
John Robert, Chicago, Ill., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application July 19, 1933, Serial No. 681,070
13 Claims. (Cl. 91—43)



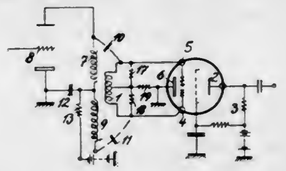
13. The process of surfacing sheet material which comprises flowing a stream of granular material onto a continuously moving sheet, intercepting the flow of a portion of said stream and flowing granular material of different characteristics from the first mentioned granular material onto said sheet to take the place of the intercepted granules and form with the non-intercepted granules a substantially continuous stream.

2,068,768
DETECTOR FOR ULTRA SHORT WAVES
Kurt Schiesinger, Berlin, Germany
Application March 26, 1934, Serial No. 717,310
In Germany March 29, 1933
1 Claim. (Cl. 250—27)



In a television receiving system a grid leak detector arrangement for the rectification of carrier frequencies modulated with very high frequencies above audibility such as used in television art comprising a twin-grid detector valve for grid-leak detector, having two grids connected in push-pull connection via an input secondary winding which is earthed at its midpoint, in each of the two grid-circuits of said detector valve a condenser and a grid-leak resistance the total capacity of each grid-circuit including the electrode capacities amounting to a maximum capacity of $1.1 \cdot 10^{-5}$ mf. and each grid leak resistance having a value of approximately 10^5 ohms, said detector valve being constructed to have a minimum of grid-cathode capacity of approximately $3.3 \cdot 10^{-6}$ to $4.4 \cdot 10^{-6}$ mf., said condenser having a capacity of approximately $2.2 \cdot 10^{-6}$ to $6.6 \cdot 10^{-6}$ mf.

2,068,769
RECTIFIER FOR WIRELESS TELEVISION RECEPTION
Kurt Schlesinger, Berlin, Germany
Application October 17, 1934, Serial No. 748,644
In Germany October 21, 1933
6 Claims. (Cl. 250—27)

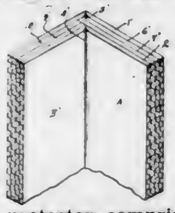


1. A push pull detector arrangement, more particularly for television purposes comprising a twin grid tube connected to the output circuit of an amplifier stage, a high frequency input transformer consisting of a primary winding and a secondary winding, said primary winding being divided into two halves, one end of the one of said halves being connected to the anode of said preceding amplifier stage and the connection point of said two halves being connected to the cathode of the preceding amplifier stage, the ends of said secondary coil being connected each to one of said grids of said tube, an audion resistance, a middle tapping point at said secondary winding being connected to the cathode of said tube and to earth by means of said audion resistance, and two damping resistances connected across said ends of said secondary windings and said tapping point, the other one of said halves of said primary winding being wound in the same direction as the one half of said primary, said other one of said two halves forming a freely oscillating system, the end of said other half not connected to said one half being a free end.

2,068,770
PRINTED TEXTILE FABRIC
Alfred M. Schwarzschild, Berlin, Germany
No Drawing. Application December 11, 1934, Serial No. 756,983. In Germany November 14, 1934
6 Claims. (Cl. 8—5)

1. The herein described method of producing a printed textile fabric having a printed pattern visible on only one side thereof, which method comprises producing a double-sided textile fabric of which one side consists of a thread material having by nature a different dyeing affinity from the thread material which forms the other side of the fabric, and printing a pattern on one side of the said fabric with a dye having affinity for the thread material of the said side without affecting the reverse side of said material.

2,068,771
CORNER PROTECTOR
Elroy P. Sherman, Ashtabula, Ohio, assignor to The Ashtabula Corrugated Box Company
Application October 30, 1934, Serial No. 750,679
3 Claims. (Cl. 229—14)



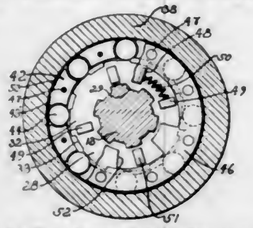
1. A corner protector comprising a sheet of corrugated board bent to a dihedral angle, and additional sheets of corrugated board secured to the wings of said angle and interfacially adhering rigidly to each other throughout each wing, said additional sheets being flat and all those in each wing of said angle abutting with full edge thickness against the side of an element of the other wing and being adhered thereto.

2,068,772
PROCESS FOR THE PREPARATION OF CHLORINE SUBSTITUTED BUTANES
Johann Sixt, Munich, Germany, assignor to Consortium Fuer Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application May 7, 1936, Serial No. 78,403. In Germany June 19, 1935
12 Claims. (Cl. 260—162)

1. Process for the manufacture of chlorine substituted butanes wherein 1,1-dichlorethane is treated with chlorine substituted ethylenes in the presence of aluminium chloride.

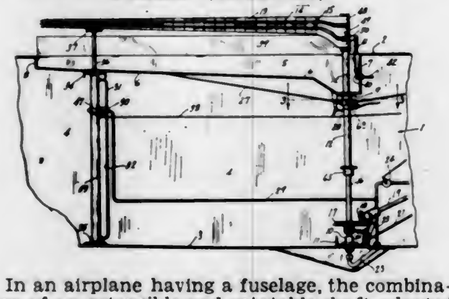
2,068,773
OVER-RUNNING CLUTCH
George Slider, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application February 16, 1933, Serial No. 657,048
6 Claims. (Cl. 192—45)

3. In a device of the class described, a clutch including a driving shaft, a plurality of rollers and an inner race provided with depressions to receive said rollers, a series of cam surfaces on said inner race, said cam surfaces corresponding in number to the number of depressions, means responsive to deceleration of said driving shaft to shift said rollers from said surfaces into said depressions, resilient means normally opposing



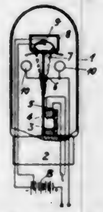
such shift, and means positively limiting movement of said rollers in one direction from said depression.

2,068,774
AIRCRAFT
Beauford B. Smith, Silverton, Oreg.
Application May 20, 1935, Serial No. 22,309
1 Claim. (Cl. 244—17)



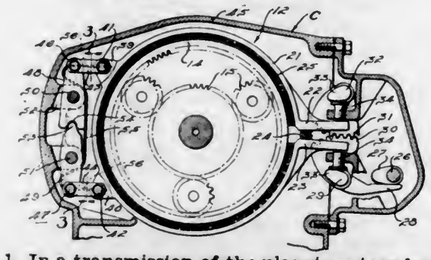
In an airplane having a fuselage, the combination of an extensible and rotatable shaft adapted to be projected outwardly from said fuselage, a plurality of air foils rotatably mounted upon one end of said shaft, and means for locking said air foils in proper working relation with each other and with the shaft when the shaft is projected, said means consisting of a pair of solenoids carried by one of said air foils and adapted to normally interlocok said blades with respect to each other, and said solenoids when energized adapted to disconnect said air foils from said working relation and to permit collapsing of said air foils into a stacked position.

2,068,775
DISCHARGE TUBE
Oscar Stettler, Zurich, Switzerland
Application December 8, 1933, Serial No. 701,503
In Switzerland December 21, 1932
11 Claims. (Cl. 250—27.5)



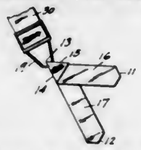
1. A discharge tube comprising an anode and a cathode between which a discharge is adapted to take place, and movable means mounted closely adjacent one of said electrodes for varying the effective discharge surface area of the adjacent electrode from which the discharge takes place.

2,068,776
POWER TRANSMISSION
Augustin J. Syrovy, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application February 8, 1934, Serial No. 710,213
9 Claims. (Cl. 188—77)



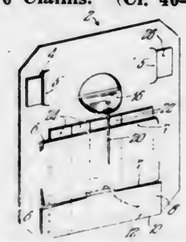
1. In a transmission of the planetary type having a rotary control drum, a brake band around said drum having substantially adjacent ends positioned to one side of said drum, a pair of circumferentially spaced links pivotally connected to said band at substantially the side of said drum opposite to that aforesaid, and levers pivoted intermediate their ends, said levers being respectively pivoted to said links at one end thereof and being connected together at their other ends.

2,068,777
FACE LIFTING DEVICE
Frank A. Teal, Berkeley, Calif.
Application May 17, 1935, Serial No. 22,039
4 Claims. (Cl. 128—76)



1. In combination with a face lifting device, a gripping pad consisting of two angularly related legs formed from a single length of adhesive tape intermediately double folded in angular relation along two bend lines having a common apex at one side edge of the tape, and a pin-receiving aperture formed on one of said bend lines to receive a clasp pin between the folds.

2,068,778
SIGN
Wessel R. Ten Broeck, Springfield, Mass.
Application May 18, 1936, Serial No. 80,307
6 Claims. (Cl. 40—5)



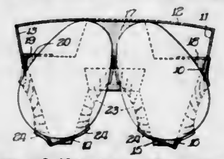
4. A sign device of the class described comprising in combination, a support member of relatively stiff material having spaced slits forming tabs adapted to be pressed rearwardly out of the plane of the sheet, an indicating member having a main body part adjacent one side of the sheet and its ends extending through said slits and against the other side of the sheet, a retaining member at the rear side of the sheet forming a pocket therewith in which one end of the indicating member is received and means associated with the retaining member and one of said tabs whereby the retaining member is held in pocket-forming position.

2,068,779
COOLING ROLL REFINER OR LIKE MILL
Allan Ashmead Tunley and George Ralph Baker, Peterborough, England, assignors to Baker Perkins Co. Inc., Saginaw, Mich.
Application October 25, 1934, Serial No. 749,905
In Great Britain October 25, 1933
2 Claims. (Cl. 257—95)



1. A refiner roll having cooling means comprising a series of baffles secured to and rotatable with the roll, an inlet pipe extending through central apertures in the baffles and arranged and adapted to admit water between each pair of baffles, said baffles having circumferential gaps adjacent the inner periphery of the roll, spacing rods presenting a frame for supporting said baffles, an end baffle being gripped between a shoulder on the roll and a closing head of the roll.

2,068,780
EGG CARTON
John E. Walsh, Chicago, Ill., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois
Application January 25, 1935, Serial No. 3,370
3 Claims. (Cl. 229—29)

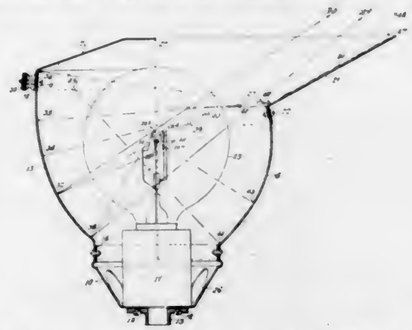


1. A carton of the type described, comprising downwardly and inwardly inclined walls forming a relatively narrow channel of less width than the width of articles to be supported therein, said walls being materially cut away and having non-radial slits extending into said cut-away portions to form offset displaceable tabs, the tabs adjacent the lower part of said cut-away portions providing upwardly extending article-supporting shoulders, and said cut-away portions and slits being sufficiently large to materially weaken the side structure of said carton and to permit articles in said channel to protrude therethrough when resting on said shoulders.

2,068,781
REFLECTOR
Rudolf Wendel, Roslyn Heights, N. Y.
Application March 5, 1934, Serial No. 713,996
24 Claims. (Cl. 240—103)

1. In a lamp structure, the combination of two reflector sections adapted to be arranged upon opposite sides of a lamp, one of said reflector sections constructed to reflect light falling thereon

upon the opposite reflector section, and said opposite reflector section constructed to focus the light falling thereon and also the light reflected by the first mentioned section, upon a linear focal region located at or above the upper edge of the first mentioned reflector section and approximately coextensive therewith, whereby a



wide beam of light is projected by the second mentioned reflector section and means for concealing the reflecting surface of the opposite reflector section from view in the operative positions of the lamp structure, the lamp structure affording substantially unobstructed passage for the light beam directly from said opposite reflector section to the area to be illuminated.

2,068,782

PLASTIC FOR LAMINATED SAFETY GLASS

George B. Watkins and Joseph D. Ryan, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application June 28, 1934, Serial No. 732,870

5 Claims. (Cl. 49—92)

1. As a new article of manufacture, a sheet of laminated safety glass comprising two sheets of glass and an interposed plastic layer formed by dispersing an organic cellulose derivative in an unpolymerized, unsaturated organic ester and then polymerizing said ester after complete mixing.

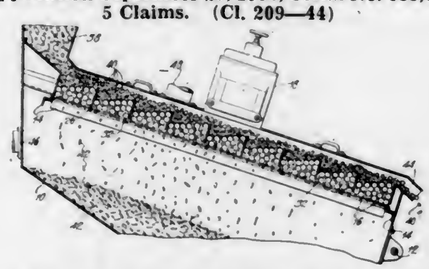
2,068,783

APPARATUS FOR SEPARATING MATERIALS

Carl A. Wendell, New York, N. Y.

Application September 29, 1932, Serial No. 635,412

5 Claims. (Cl. 209—44)



1. The separating apparatus of the class described comprising an inclined material separating screen maintained under tension, means for imparting low amplitude high frequency vibrations to said screen, means providing a plurality of separate compartments above said screen and respective masses of filter particles in said compartments.

2,068,784

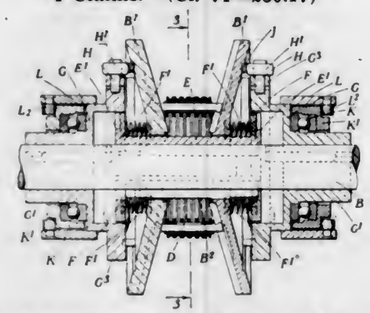
TRANSMISSION MECHANISM OF THE V-PULLEY TYPE

Geoffrey Joseph Abbott, London, England, assignor to P. I. V. Chain Gears Limited, London, England, a company of Great Britain

Application August 5, 1935, Serial No. 34,821

In Great Britain August 17, 1934

4 Claims. (Cl. 74—230.17)



4. Transmission mechanism of the V-pulley type including, in combination, a V-pulley having separate flanges movable away from and towards one another, a transmission member lying between and engaging the inner faces of the flanges, means including a rotary member for transmission of power to or from the pulley, said member being coaxial with and lying to one side of said pulley with a part thereof lying adjacent to the radial outer face of one of said flanges, an operative driving connection between the rotary member and the adjacent pulley flange comprising a series of cams on the exposed face of one of these members each including two oppositely inclined surfaces, and cooperating parts carried by the other member and lying between the two oppositely inclined surfaces of the cam to act on one or other of these surfaces, whichever the direction of transmission of power and capable of moving from engagement with the other, means including a thrust member positively held from movement relatively to the pulley flanges about the axis of these flanges, an abutment rigid with the thrust member and situated adjacent to the outer face of one of the flanges, and at least one spring interposed between the abutment and the adjacent flange.

2,068,785

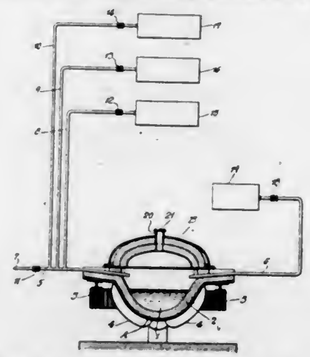
METHOD OF MANUFACTURING LOW CARBON STEEL

Edgar C. Bain and Herbert Gruber, Hanau-on-the-Main, Germany, assignors, by mesne assignments, to United States Steel Corporation, a corporation of New Jersey

Application November 20, 1933, Serial No. 698,922

7 Claims. (Cl. 75—12)

1. The method of decarburizing, deoxidizing and degasifying molten iron and steel alloys which comprises melting the said alloy and imparting thereto turbulent stirring to recurrently bring all parts of the bath to the surface and then applying to the said surface a succession of atmospheres while maintaining the bath molten and turbulently stirred, including first an oxidizing atmosphere whereby the carbon is removed from the bath to a relatively low percentage without excessive oxidation of the metal constituents of the bath; second, a reducing gas atmosphere composed principally of hydrogen whereby the carbon content of the bath is further reduced to a still lower percentage while preventing substantial oxidation of the metal constituents of the bath; thirdly an atmosphere of substantially pure dry hydrogen having a relatively low water vapor content whereby the final carbon content is reduced to an extremely low percentage and the oxygen content of the bath is substantially elimi-



nated; and fourthly, the bath is subjected to heating with turbulent stirring under reduced pressure to remove gases therefrom, the time interval of application of each successive step and the temperature of the molten metal being varied to promote the desired reaction.

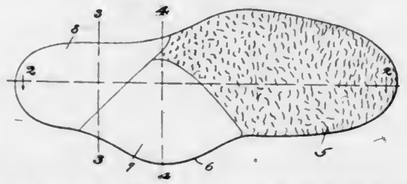
2,068,786

ATHLETIC INSOLE

Thomas K. Balaskas, Clay Center, Nebr.

Application April 25, 1935, Serial No. 18,237

1 Claim. (Cl. 36—71)



An insole for soft shoes, comprising a body portion shaped to fit within a shoe, a laterally and upwardly extended wing section extending from the shank portion of the body portion, a cushioning device embodying a heel section and an instep supporting section constructed of soft rubber material, said heel section being thick at its rear edge and tapered to a feather like front edge, said instep section being thick at its central portion and tapered towards its edges elevating the body portion at the shank and heel portions thereof, the tapered rear edge of said instep section smoothly abutting the forward tapered edge of the heel section.

2,068,787

CARBURETOR FOR INTERNAL COMBUSTION ENGINES ASSUMING VARIOUS ANGLES

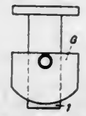
Otto Baumgartner, Bern-Bumpliz, Switzerland

Application January 7, 1936, Serial No. 57,954

In Switzerland January 22, 1935

2 Claims. (Cl. 261—72)

1. In an internal combustion engine and more particularly in an aircraft engine the combination, an induction pipe and a bracket arm cast thereto, a hollow axle crossing the induction pipe and rotatably held in bearings, said axle having outlet passages for the fuel mixture inside of the induction pipe and both ends projecting to the outside of said pipe, a pendulum weight rigidly fast to one end of the pipe and a carburetor attached to its other end between bracket arm and induction pipe, said carburetor comprising a float chamber with a float and a fuel nozzle chamber having its inlet at the bottom



of the chamber, a sleeve arranged concentrically to said hollow axle and screwed fast into said bracket arm and formed at one end to receive a fuel supply conduit and at the other end as a bearing for the float chamber, and a valve needle concentrically held within said sleeve having its free end projecting into the float chamber to form a bearing for the float.

2,068,788

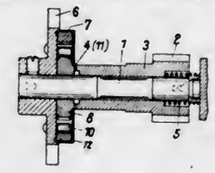
TYPEWRITER

Berthold Baumann, Nuremberg, Germany, assignor to Triumph-Werke Nürnberg A.-G., Nuremberg, Germany

Application February 26, 1935, Serial No. 8,406

In Germany March 5, 1934

3 Claims. (Cl. 197—82)



1. In a typewriter carriage escapement mechanism, the combination of a shaft, a ratchet escapement wheel on said shaft and a feed pinion on the shaft rotatable relatively to said escapement wheel, with a free wheel driving connection between the escapement wheel and the feed pinion and comprising a cage fixed to the escapement wheel and having inclined slots therein spaced around its inner periphery, a driving wheel operatively connected to the feed pinion mounted on the shaft inside said cage, said driving wheel having a plurality of trough-like recesses therein spaced around its periphery equal to the number of teeth of the escapement wheel, and rolling members in said slots for establishing driving connection between the driving wheel and the cage, said rolling members being capable of protruding from the slots into engagement in the recesses in the driving wheel and the direction of inclination of the slots being such that in the forward movement of the carriage the driving wheel is coupled with the cage and in the backward movement of the carriage the driving wheel is uncoupled from the cage.

2,068,789

CUTTER BAR AND CUTTER CHAIN

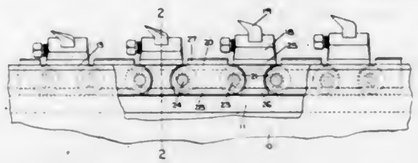
John S. Beltz, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application June 7, 1934, Serial No. 729,529

9 Claims. (Cl. 262—33)

2. In combination, a link cutter chain and a cutter bar including spaced outwardly projecting flanges between which the chain moves, each link

of said chain being provided with flanges to bear upon the outer edges of the cutter bar flanges to



distribute the pressure of the chain over a maximum area of the cutter bar flanges.

2,068,790

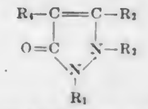
PYRAZOLONES CONTAINING WHOLLY OR PARTIALLY HYDROGENATED CYCLIC HYDROCARBON RADICALS

Max Bockmühl and Walter Krohs, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

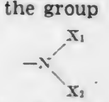
No Drawing. Application January 31, 1934, Serial No. 709,232. In Germany February 8, 1933

4 Claims. (Cl. 260—45)

1. The compounds of the following general formula:



wherein R_1 stands for phenyl or a wholly or partially hydrogenated 5- or 6-membered cyclic hydrocarbon radical, R_2 for alkyl or a wholly or partially hydrogenated 5- or 6-membered cyclic hydrocarbon radical, R_3 for alkyl, and R_4 for hydrogen, alkyl or the group



wherein X_1 and X_2 stand for hydrogen, alkyl, aralkyl, or a wholly or partially hydrogenated 5- or 6-membered cyclic hydrocarbon radical, at least one wholly or partially hydrogenated 5- or 6-membered cyclic hydrocarbon radical being present in the molecule, said compounds being colorless substances of a feebly alkaline reaction.

2,068,791

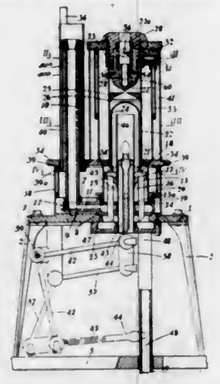
WATER FLOW GAS CALORIMETER

Charles Vernon Boys, London, England

Application July 16, 1934, Serial No. 735,504. In Great Britain April 19, 1934

11 Claims. (Cl. 73—190)

1. In a liquid-flow gas calorimeter, a gas burner, a primary conduit formed from a fusible silicious material arranged to receive in direct contact with its silicious walls the products of combustion from said burner, a secondary conduit communicating directly with said primary conduit so as to receive the products of combustion after they have passed through said primary conduit, and means for conveying a stream of cooling liquid first over the walls of said secondary conduit in such a direction as to effect a counter-current interchange of heat with the products of combustion and then over the silicious walls of said primary conduit in direct contact with said silicious walls, said primary conduit being of such dimensions that a large proportion of the heat of the products of combustion is abstracted before they reach said secondary conduit, while the latter comprises base metal walls and a corrosion-resisting coating.



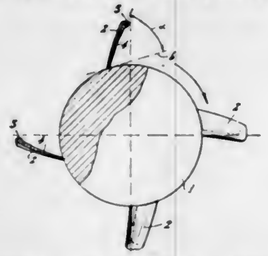
2,068,792

SCREW PROPELLER, TURBINE ROTOR, AND LIKE DEVICE

Adriaan Jan Dekker, Leiden, Netherlands

Application June 15, 1935, Serial No. 26,875

11 Claims. (Cl. 170—159)



1. Improved rotary device, having inclined blades and adapted either to transmit energy to a fluid medium when rotated or to be driven by the passage of a fluid medium parallel to their axes of rotation, comprising a hub, a plurality of blades mounted on the hub, the cross sections of the blades taken on any cylindrical surface coaxial with the axis of rotation of the hub as well as the cross sections of the blades taken on any surface normal to the axis of rotation of the hub being similar to those of lifting airfoils.

2,068,793

PROCESS FOR THE RAPID RECARBURIZATION OF PIG IRON MELTED IN A CUPOLA FURNACE

Hans Frauenknecht, Genoa, Italy

No Drawing. Application October 17, 1934, Serial No. 748,763. In Italy October 23, 1933

3 Claims. (Cl. 75—44)

1. A process for the rapid recarburization of pig iron melted in a cupola furnace, consisting in introducing with the charge a carburizing agent constituted of a substantially incombustible carbonaceous material in the form of small blocks of about one cubic decimeter in size, obtained by finely pulverizing said incombustible carbonaceous material, soaking the same with an organic adhesive and forming the soaked material into blocks.

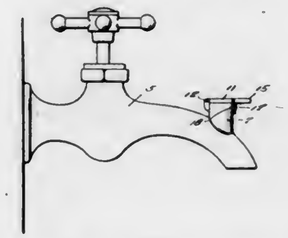
2,068,794

COMBINATION FAUCET

Pete Gavriles, Laurel, Md.

Application February 27, 1936, Serial No. 66,121

3 Claims. (Cl. 299—9)



1. In a faucet, an upstanding branch adjacent the discharge end of the faucet, an inwardly extending lip at the bottom of the branch so positioned in the bore of the faucet as to divert a portion of the liquid through said branch, and a closure for the upper end of said branch.

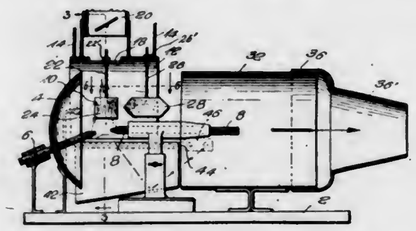
2,068,795

APPARATUS FOR INCREASING THE INTENSITY OF FLAMING ARCS

Michael Edward Gleick, Archbald, Pa.

Application June 24, 1936, Serial No. 87,081

11 Claims. (Cl. 176—51)



5. Apparatus for increasing the amount of light from a flaming arc, comprising a pair of light reflecting plates made of asbestos coated with a metallic powder for reflecting light and placed on either side of the flaming arc and in planes parallel to the beam of light from the arc.

2,068,796

CONDENSATION PRODUCT OF LOW SULPHONATION APPLICABLE AS A SIZE

Charles Graenacher and Richard Sallmann, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application January 9, 1934, Serial No. 705,956. In Switzerland January 11, 1933

3 Claims. (Cl. 87—12)

1. A process for the manufacture of condensation products applicable as sizes, consisting in treating below about 20° C. approximately molecular proportions of linseed oil and resorcinol with such quantities of sulphuric acid which per mol of resorcinol amount to 1½ to 2½ mols of sulphuric acid, carefully heating the resultant mass to temperatures lying between 60–90° C. until a viscous brown-red mass is produced, and then, for the purpose of separating the reaction product, treating the resultant sulphonated mixture with water.

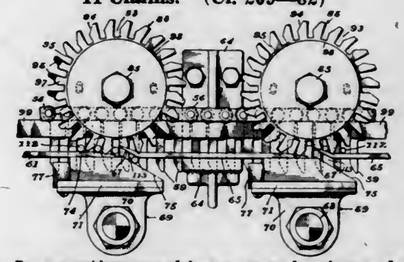
2,068,797

METHOD OF AND MEANS FOR SORTING ARTICLES

David E. Gray, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application June 24, 1930, Serial No. 463,437

11 Claims. (Cl. 209—82)



1. In a sorting machine a gage having a downwardly opening gage slot which rejects articles of predetermined size and accepts articles of lesser size, means for moving articles past the gage slot, yielding means to urge the articles to enter the gage slot, and means cooperating with the article moving means for moving the rejected articles away from the gage against the urge of the yielding means.

2. The method of sorting fragile articles comprising advancing the articles along a given path, lifting the articles under moderate pneumatic pressure a distance depending on their size and gaging them while they are being so lifted.

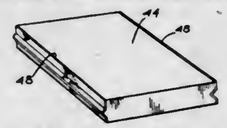
2,068,798

GLASS BUILDING BLOCK

David E. Gray, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application May 21, 1934, Serial No. 726,832

10 Claims. (Cl. 72—37)



1. A glass building unit at least two opposite edges of which are covered with a layer of completely polymerized synthetic resin which is intimately united to the glass, the outer surfaces of the layers of resin being a predetermined distance apart.

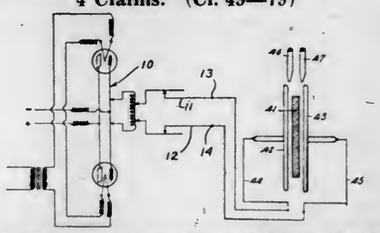
2,068,799

TEMPERING GLASS

Edwin M. Guyer, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application September 2, 1933, Serial No. 688,021

4 Claims. (Cl. 49—79)



1. The method of tempering a glass body which includes heating it by creating dielectric losses within it and cooling its surface while it is being so heated.

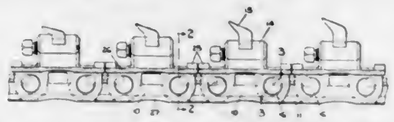
2,068,800
INDOL SULPHONIC ACIDS
Ernst Herdieckerhoff, Opladen, and Eduard Tschunkur, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 3, 1932, Serial No. 596,666. In Germany March 19, 1931
15 Claims. (Cl. 260—47)

1. The process which comprises heating about molecular quantities of 1-naphthylhydrazine-7-sulphonic acid and methylethylketone in aqueous suspension for 1 to 2 hours at a temperature between about 90 and about 95° C. in the presence of acetic acid as solvent.

2,068,801
BOROSILICATE GLASS CONTAINING CERIUM
Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application July 30, 1935, Serial No. 33,913
9 Claims. (Cl. 106—36.1)

1. A borosilicate glass containing a substantial amount of cerium which also contains not more than 10% of alkali oxide and a substantial amount of an oxide of the group consisting of barium oxide and zinc oxide.

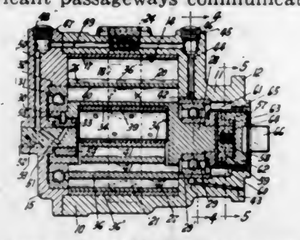
2,068,802
CUTTER CHAIN
Robert K. Jeffrey, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 7, 1934, Serial No. 729,523
6 Claims. (Cl. 262—33)



4. The combination in a cutter chain for mining machines, of bit carrying links and connecting links, said bit carrying links being formed to straddle the connecting links, said links being provided with aligned apertures therethrough coincidental in size, a pintle of a size corresponding with the size of the apertures positioned in the aligned apertures, and means extending longitudinally of the pintles to hold the pintle against rotation, said pintle and said means having their ends flush with the outer surfaces of the bit carrying links.

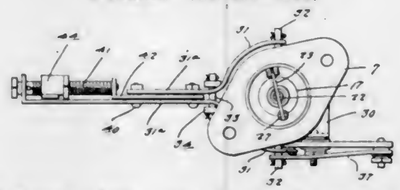
2,068,803
VACUUM PUMP
James P. Johnson, Shaker Heights, Ohio
Application March 14, 1935, Serial No. 10,994
9 Claims. (Cl. 230—207)

5. A pump of the character described comprising a housing provided with inlet and outlet passageways, a rotor having axial extensions rotatably mounted in said housing, one of said extensions having an axial opening, a sleeve disposed within the axial opening and connected to the adjacent extension for rotation therewith, and a discharge member having one end secured to said housing and its opposite end disposed within said sleeve, said member having a lubricant discharge passageway therein with its discharge opening adjacent the inside of said sleeve and between the ends thereof, said housing being provided with lubricant passageways communicating with



the passageway in said discharge member and adapted to receive a lubricant under pressure.

2,068,804
NATURAL GAS DISPENSER
Donald H. Kedzie, Phoenix, Ariz., assignor to A. L. Snuffer, Phoenix, Ariz.
Application April 10, 1934, Serial No. 719,941
Renewed August 24, 1936
1 Claim. (Cl. 158—119)

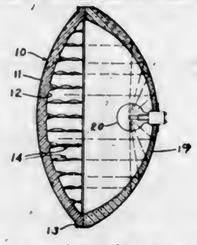


A device of the class described comprising a cylinder having ports in one end portion thereof, a gas supply pipe entering said end of the cylinder and having a nozzle at its inner end extending into the cylinder to a point spaced inwardly from the ports, that portion of the pipe within the cylinder being concentrically arranged with relation to the cylinder, the inner face of the nozzle having a valve seat therein, a valve located in the pipe, a spring for holding the valve against the seat, a stem connected with the valve and passing through the nozzle into the cylinder, an arm pivoted to an internal part of the cylinder and pivoted to the stem, a rod connected with the arm and passing through the ported end of the cylinder, a lever pivoted to said end of the cylinder and connected with the rod, a sleeve valve slidably arranged on the cylinder, spring means for normally holding the valve in a position covering the ports in the cylinder, a lever pivotally supported intermediate its ends, means for connecting one end of the lever to the sleeve valve for moving the valve to open position when the lever is moved in one direction, and a link connecting the first mentioned lever with the second lever whereby movement of the second lever is communicated to the first lever to open both valves simultaneously against the action of the springs.

2,068,805
COVER GLASS
States Lee Lebby, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application February 4, 1935, Serial No. 4,922
4 Claims. (Cl. 177—329)

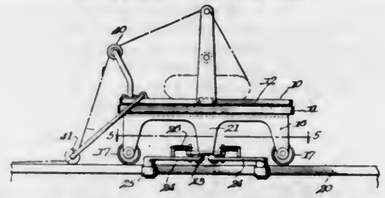
1. The combination with a cover glass having a convex outer face and a concave inner face of a plurality of light deflecting members on the inner face of the cover glass, each light deflecting member comprising a transparent body having three

sides, one of which is contiguous with the inner face of the cover glass while the other two sides converge and form a ridge which lies along a line which intersects two spaced points on the concave face of the cover glass, the ridges of the



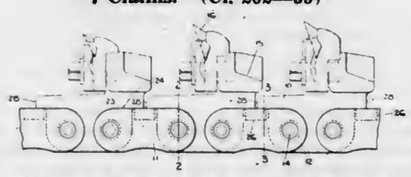
light deflecting members being parallel, one of said converging sides of each light deflecting member being an active face of cylindrical contour as it recedes from the ridge, the active faces of the light deflecting members being on the same sides of the ridges.

2,068,806
CLOTH LAYING MACHINE
Aaron H. Lessen, George H. Rowles, and Cyril F. Dougherty, Baltimore, Md., assignors to The Shirtcraft Company, Inc., Baltimore, Md., a corporation of New York
Application August 10, 1936, Serial No. 95,292
15 Claims. (Cl. 270—31)



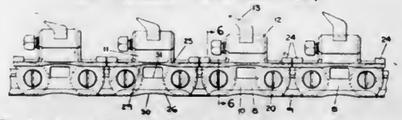
1. In a cloth laying machine, a carriage adapted to travel along a table, a cloth supporting platform movably mounted on said carriage, and a cloth guide carried by one of said members and operable to prevent relative movement between said carriage and platform.

2,068,807
CUTTER CHAIN AND CUTTER BAR
Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 7, 1934, Serial No. 729,522
Renewed September 25, 1936
7 Claims. (Cl. 262—33)



1. A cutter chain comprising bit carrying links and alternate connecting links, one of said connecting links being provided with an inwardly projecting shoulder, each of said bit carrying links being provided with a shoulder adapted to overlie and contact with said first named shoulder to prevent the links from being tilted with respect to the cutter bar.

2,068,808
CUTTER CHAIN
Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 8, 1934, Serial No. 729,713
21 Claims. (Cl. 262—33)

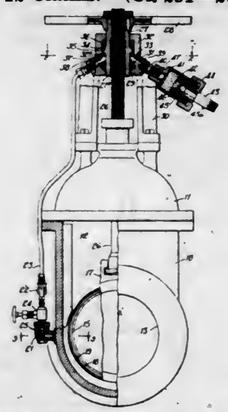


18. As an article of manufacture, a bit carrying link for a mining machine cutter chain, comprising a body having outwardly extending flanges adjacent the top of said link body, each of said flanges having a pair of spaced apart parallel surfaces adapted to slide along a cutter bar.

2,068,809
METHOD OF PERMANENT WAVING HAIR
Frederic Maeder, Adelaide, South Australia, Australia
No Drawing. Application December 5, 1934, Serial No. 756,175. In Germany June 13, 1933
6 Claims. (Cl. 167—87.1)

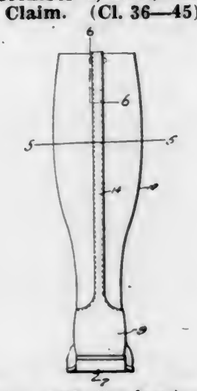
1. A method for effecting permanent waving of hair which comprises the steps of impregnating the hair with a sulphide solution having a concentration not substantially in excess of 6%, coiling the impregnated hair, and heating the coiled hair for a short period of time at a temperature sufficiently high to set the wave but not higher than 100° C.

2,068,810
LUBRICATED VALVE
Wallace McCausland and Charles W. Stephen, Bridgeport, Conn., assignors to Reading-Pratt & Cady Company, Inc., a corporation of New York
Application April 8, 1931, Serial No. 528,568
12 Claims. (Cl. 251—20)



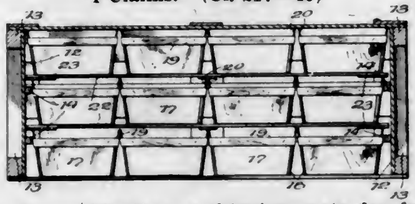
1. A gate valve comprising a body, a gate slidable therein, the body and gate being formed with coacting seating surfaces, a non-rotary stem connected to the gate, a pump adapted to force lubricant to said seating surfaces and comprising a cylinder member and a plunger member having limited relative axial movement therein, one of said members being fixed and the other member having threaded connection with the stem, and means for rotating the latter member to operate the pump and slide the gate.

2,068,811
RIDING BOOT
Max G. McCrory, Steubenville, Ohio
Application December 4, 1935, Serial No. 52,892
1 Claim. (Cl. 36—45)



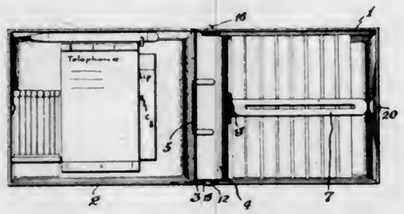
In combination with the legging portion of a boot, wherein the legging portion of said boot has in its rear portion a slit extending downwardly from the upper edge thereof and terminating at an intermediate portion, a slide fastener associated with said slit for opening and closing the same, a tongue extending along the rear of the legging and fixed thereto up as far as the bottom end of the slit and being free upwardly therefrom and means for detachably engaging the terminal of the tongue with the inner side of the legging adjacent the upper edge thereof, said means being in the form of snap fasteners and the terminal folding over the upper edge of the legging.

2,068,812
SHIPPING CONTAINER
Julien C. Miller, Paducah, Ky., assignor to Paducah Box & Basket Co., Inc., Paducah, Ky., a corporation of Kentucky
Application October 24, 1934, Serial No. 749,798
4 Claims. (Cl. 217—40)



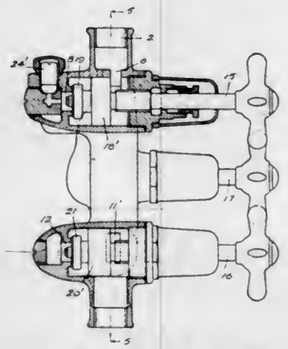
1. In combination, a shipping crate for fruit receptacles such as berry baskets, said crate having side and end walls, baskets adapted to be arranged in two superposed layers in said crate, vertical projections extending above the rims of the baskets, a divider member interposed between said superposed layers, said divider and the baskets resting thereon being supported by the projections of the baskets immediately below said divider, and means holding the basket projections spaced from two opposite walls of said crate, two extremities of said divider extending beyond the projections of the layer of baskets beneath it into the space formed by said spacing means, the length of the said extending portions of the divider exceeding the distance between said two extremities of the divider and the corresponding wall of the crate whereby accidental displacement of said divider extremities inwardly of the baskets is prevented.

2,068,813
COMBINED CIGARETTE AND VANITY CASE
Willis R. Morey, Washington, D. C., assignor to The Vanilite Products Inc., Washington, D. C.
Application February 3, 1936, Serial No. 62,203
1 Claim. (Cl. 206—38)



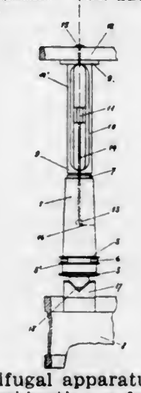
A combined cigarette and vanity case comprising a cigarette receptacle adapted to hold a row of cigarettes parallel to one end of said receptacle, a cover hinged to an end of said receptacle, a flash-light comprising a casing, a bulb and a movable battery in said casing, means for retaining said casing in said receptacle adjacent the hinge of said cover and receptacle and parallel thereto, each side of the case having an aperture, one encircling the bulb of said flash-light, a press button in the other of said apertures, the base of said press button contacting with the bottom of the battery and the stem extending to the exterior.

2,068,814
FLUID FLOW CONTROL VALVE
Norman Kenneth Mousley, Birmingham, England
Application August 21, 1935, Serial No. 37,230
In Great Britain August 23, 1934
13 Claims. (Cl. 277—46)



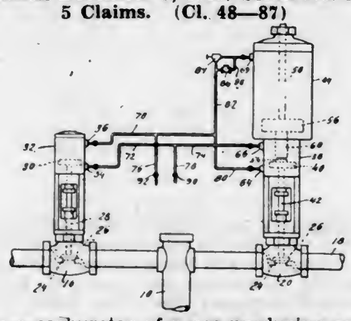
1. A valve fitting particularly adapted for controlling the flow of water comprising a body, four pipe connections and a drain outlet on said body, internal passages and ports in the body establishing communication between said connections and drain outlet, and two valves by one of which water entering through one pipe connection can be directed to a second pipe connection or through the body to the second valve and water coming from the second valve or entering through the second pipe connection can be directed to the drain outlet, and by the other of which water entering through a third pipe connection can be directed to a fourth pipe connection or through the body and the first valve to the drain outlet and water coming through the body from the first valve can be directed to the third pipe connection.

2,068,815
FLEXIBLE CENTRIFUGAL POT FOR SPINNING OR DOUBLING ALL KINDS OF FIBERS AND DEVICE FOR DISCHARGING IT
Alberto Arañó-Pratmarsó, Barcelona, Spain
Application June 27, 1934, Serial No. 732,733. Renewed July 15, 1936. In Spain July 6, 1933
4 Claims. (Cl. 118—49)



1. In a centrifugal apparatus for spinning or twisting, the combination, a frame including upper and lower rails, a spinning chamber, including a truncated cone-shaped body, and two end members closing and supporting it by simple contact at both ends, bearing for rotatably supporting the end members, each including a part fixed relatively to the adjacent rail and a rotatable part carrying the adjacent end member, means associated with the rotatable part of the bearing for the lower end member for effecting rotation of the chamber, and means to doff the yarn accumulated in the chamber.

2,068,816
OIL SPRAY PURGE MECHANISM
Charles O. Pratt, Maplewood, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application December 9, 1931, Serial No. 579,942
5 Claims. (Cl. 48—87)



5. In a carburetor of a gas producing apparatus, a conduit for introducing oil into said carburetor, an oil valve in said conduit for alternately opening and closing said conduit to cause intermittent flow of oil into said carburetor, a source of sufficient steam to purge from said conduit the oil remaining therein after a plurality of closures of said oil valve, said source of steam being directly connected to said conduit, a steam valve controlling flow of steam into said conduit, a fluid pressure operated device for operating said oil valve to open and close the same, a second fluid pressure operated device for operating said steam valve to open the same upon closure of said oil valve, a delayed action fluid pressure operated device for operating said steam valve to close the same at the end of a predetermined time interval and while said oil valve is still closed, and a source of fluid under pressure for operating each of said fluid pressure operated devices.

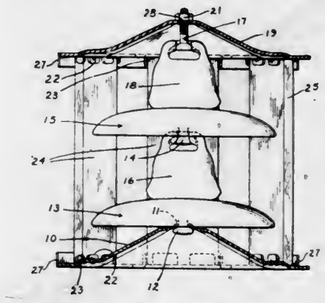
2,068,817
COPPER ALLOY AMENABLE TO HEAT TREATMENT
Ulrich Raydt, Klaus Hanser, and Max Venzlaff, Osnabruck, Germany, assignors to Firma Osnabrücker Kupfer- und Drahtwerk, Osnabruck, Germany, a firm of Germany
No Drawing. Application October 18, 1934, Serial No. 748,965. In Germany October 18, 1933
2 Claims. (Cl. 148—21.2)

1. An age hardened copper base alloy, free of beryllium, containing not less than 0.2% of manganese and from 0.1 to 0.5% phosphorus characterized by the fact that the age hardening is due primarily to the combined effect of the manganese and phosphorus.

2,068,818
COMPOSITION FOR COATING PURPOSES CONTAINING A RUBBER DERIVATIVE
Frank B. Root, West Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application May 15, 1935, Serial No. 21,681
5 Claims. (Cl. 134—17)

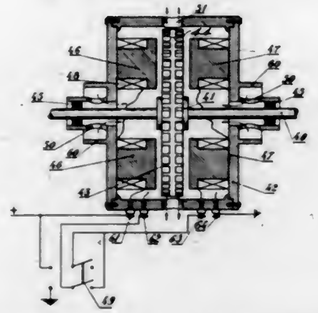
1. A coating composition comprising chlorinated rubber and tung oil sulphurized by heating with substantially not more than 1% of sulphur.

2,068,819
SHIPPING CRATE
William Howard Said, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application January 10, 1936, Serial No. 58,589
7 Claims. (Cl. 217—52)



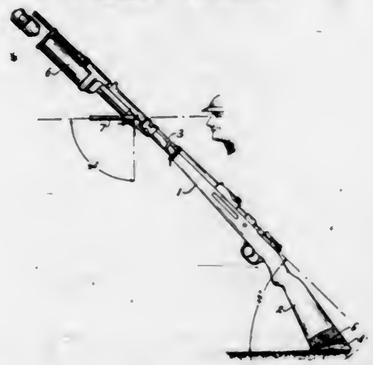
1. A knockdown shipping container comprising a pair of end plates, slats adapted to extend between the end plates to hold the latter in spaced parallel relation and protect an article confined between the end plates from injury, means connecting one end of the article to one of the end plates and adjustable means connecting the other end of the article to the opposite end plate to effect the holding of the article, the end plates and the slats rigidly with respect to each other.

2,068,820
ELECTRICAL DEVICE FOR THE ABSORPTION OF MECHANICAL ENERGY
Raoul Sarazin, Saint-Prix, and André Lagache, Argenteuil, France
Application November 23, 1934, Serial No. 754,532
In France December 7, 1933
10 Claims. (Cl. 188—104)



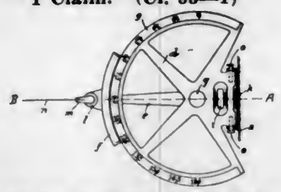
1. An electromagnetic brake comprising a casing of magnetic metal, a shaft journalled in the casing, a disc-shaped rotor of metal fixed on the shaft inside the casing, said rotor having recesses in both faces forming air agitating means, and pole pieces in the casing extending parallel to the shaft and arranged with co-operating poles of different polarity adjacent opposite faces of the rotor disc, said casing having inlet and outlet openings near the center and periphery, respectively, of the rotor co-operating with the air agitating means on the rotor to produce air currents through the casing on both sides of the rotor.

2,068,821
PORTABLE FIREARM FOR FIRING BOMBS
Luigi Savani, Milano, Italy, assignor to Societa Italiana Ernesto Breda per Costruzioni Meccaniche, Milano, Italy
Application July 13, 1934, Serial No. 735,033
In Italy July 14, 1933
5 Claims. (Cl. 42—74)



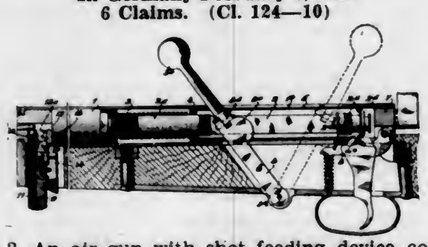
1. In a convertible firearm of the character described having a stock and a barrel supported thereby, a wedge-like pad of pliable material mounted on the butt of the stock for pivotal movement about the center of said butt in a plane parallel to said butt so that the angle between the base of the pad and the axis of the barrel can be varied.

2,068,822
POINT LOCATING DEVICE
Fridolin Schiesser, Rheineck, Switzerland
Application April 19, 1933, Serial No. 666,884
In Switzerland April 25, 1932
1 Claim. (Cl. 33—1)



In a device for locating points from a known, fixed location, a support adapted to be fixed at said location, a goniometer, consisting of a graduated limb, means detachably pivoting said limb on said support on an axis substantially in the plane of said limb, an arm pivoted at the center of said limb and bearing an index coacting with the graduations thereof, and means on said arm adapted to detachably hold the end of a measuring tape.

2,068,823
AIR GUN
Hugo Schmeisser, Suhl, Thuringia, Germany
Application January 31, 1934, Serial No. 709,178
In Germany February 7, 1933
6 Claims. (Cl. 124—10)



2. An air gun with shot feeding device comprising a barrel, a housing containing a compression cylinder communicating with the barrel, an air piston in the compression cylinder, a piston rod, a compression spring for actuating the piston, a lever for cocking the compression spring, said lever being pivoted in the gun about an axis below the housing and guided by slots in the housing and the piston rod, a curved hump on said lever engaging the rear end of the slot in the piston rod when the spring is being cocked, and a handle on said lever which handle can be turned transversely to the barrel axis.

2,068,824
QUATERNARY HETEROCYCLIC ACID AMIDE COMPOUNDS AND MANUFACTURE THEREOF
Fritz Schönhöfer and Hans Henecka, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 5, 1932, Serial No. 627,676. In Germany August 18, 1931
17 Claims. (Cl. 260—41)

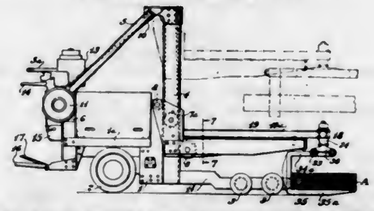
15. The compounds of the general formula:

$$R\text{—}\underset{\displaystyle R_1}{\underset{|}{N}}\text{—}CO\text{—}R_2$$

wherein R stands for a ring system containing only nitrogen as a hetero member at least one of which is in its quaternary state, N being attached to a ring carbon atom of the ring system

representing R, R_1 stands for hydrogen, alkyl, aralkyl of the benzene series or —CO—, the second linkage of which latter is then connected with R_2, R_2 stands for a benzene radical which is at least once substituted by a monovalent substituent selected from the group consisting of alkyl, alkoxy, phenoxy, halogen, hydroxy, nitro, amino, alkylamino, aminoalkylamino, acylamino and carboxyl groups and the —CO— group is attached to a ring carbon atom of the benzene radical, said compounds being white to yellowish crystalline products, soluble in water and mono- and polyvalent liquid alcohols, slightly soluble in benzene, nitrobenzene, ether and chloroform, being characterized by a therapeutic action on blood parasites.

2,068,825
INDUSTRIAL TRUCK
Herbert A. Stevenson, Mount Clemens, Mich., assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application May 25, 1935, Serial No. 23,476
6 Claims. (Cl. 214—65)



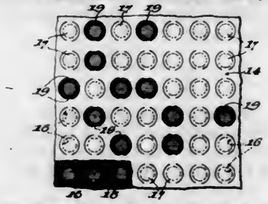
1. In an industrial truck, the combination with a wheel mounted frame, guides thereon, a lift member mounted on said guides and hoist means for said member, of a carrier mounted on said lift member and comprising a hanger extending outwardly beyond the outer end of said lift member, a shaft depending from said hanger beyond said lift member, and a cradle suspended from said shaft, said cradle consisting of a horizontal rod rotatably mounted intermediate its ends on said shaft and a pair of rigid U-members, corresponding sides of said members being removably mounted on the opposite end portions of said rod and the other sides of said members being adapted to engage a load and support it.

2,068,826
BELT FASTENER
Alfred Timmerbeil, Arnhem, Netherlands
Application November 14, 1934, Serial No. 753,027
In Germany February 17, 1934
10 Claims. (Cl. 24—33)



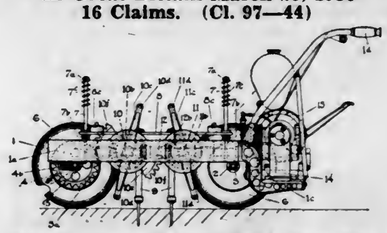
10. The combination with means to flexibly connect adjacent ends of driving belts consisting of two rows of spaced loops having inbent ends engaging the respective belt end with the loops on one end interfitting the loops on the other end, and a pin passing through the loops; of two protective strips of shock and sound damping material positioned on the face of the belt engageable with a belt pulley and positioned at the belt engaging ends of the rows of loops whereby to prevent engagement of said ends with a pulley each of said strips being at least as thick as the diameter of the legs of said loops, each of said strips having the end remote from the loops bevelled, each of said strips having an extension through which the loop ends pass to secure the strips to the belt end, said extension having spaced grooves housing the legs of said loops, adhesive strips covering the said strips and loops, and a grid strip having slots through which the loops project and having one edge engaged between one of the adhesive strips and one of the first mentioned strips.

2,068,827
ILLUMINATED CHART
Charles A. Tompkins, Reno, Nev.
Application August 5, 1935, Serial No. 34,847
5 Claims. (Cl. 40—133)



1. A record and display chart including a composite panel comprising an apertured sheet the apertures in which designate possible record units, a second sheet having weakened areas covering the front sheet apertures and removable to admit light through selected apertures to record and display record unit designations, and a third sheet of light admitting and modifying material covering the apertures and effective upon removal of said weakened portions to modify light passing through said apertures.

2,068,828
MEANS FOR CULTIVATING TURF AND SOIL
Edward Halles Tustain, London, England
Application September 21, 1936, Serial No. 101,849
In Great Britain March 23, 1936
16 Claims. (Cl. 97—44)



1. Means for cultivating turf and soil comprising a carrying frame supported from the ground, a member such as a plate loosely located with respect to such frame so as to be capable of falling freely from an upper position, tines mounted on the said member to extend downwardly therefrom, mechanism operable to raise the said member to such upper position, and means for releasing the said member from the said upper position so that the said member in falling causes the said tines to penetrate into the ground.

2,068,829
REDUCING TELESCOPIC VIEW FINDER FOR PHOTOGRAPHIC CAMERAS
Lieuwe E. W. Van Albada, Amsterdam, Netherlands, assignor to the firm of Carl Zeiss, Jena, Germany
Application April 26, 1932, Serial No. 607,620
In Germany May 1, 1931
3 Claims. (Cl. 88—1.5)

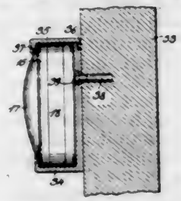
1. A reducing telescopic view finder for photographic cameras, comprising an objective which

consists of two thin converging lenses, a diaphragm disposed behind the objective, and an ocular, the distance apart of the vertices of those surfaces of the said two lenses which face each other being approximately 83% of the focal



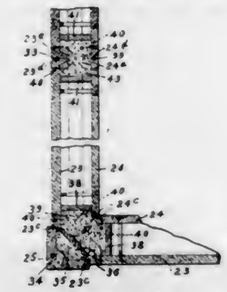
length of the objective, and those principal rays which traverse the said two lenses approximately symmetrically providing an image without distortion and converging approximately at the locus of the ocular.

2,068,830
MEMORIAL PLAQUE
Arthur Warembourg, Weld County, Colo.
Application March 24, 1936, Serial No. 70,663
8 Claims. (Cl. 40—124.5)



8. The combination with a memorial plaque comprising a unitary block of transparent material formed with a transverse, ornamented plane and provided with removable and replaceable means for the positioning of a picture likeness in intersecting, display relation with said ornamented plane, of an open-front casing adapted to receive and support said block, a removable and replaceable cover element for one end of said casing, and means for mounting said casing in fixed relation with a suitable support.

2,068,831
BUILDING STRUCTURE
Edwin C. Washburn, Edwin C. Washburn, Jr., and Alfred F. Washburn, Englewood, N. J.
Application October 12, 1935, Serial No. 44,736
21 Claims. (Cl. 72—1)



1. A structure comprising spaced plate-like members adapted to form a wall, a bolt extending between said members for drawing the same together, said bolt extending some distance from said wall at one side thereof and an anchoring member disposed in the ground to which said bolt is connected.

2,068,832
BUTTON
Arretta Lynch Watts, New York, N. Y.
Application July 11, 1934, Serial No. 734,573
1 Claim. (Cl. 24—107)



A snap button of the type adapted to hold two pieces of material together and to permit separation thereof with a prong passing through the material and having a head and a base with the prong having a split enlarged head integral with one part and adapted to be inserted in and removably held in the other, characterized in that the said prong is about the size of a relatively small needle forming only a tiny hole in said material, therefore not injuring textiles and fabrics, and further characterized in that the head may be separated from the base by inserting the thumb nail between said head and base.

2,068,833
CHECK VALVE
Forrest S. White, Hoosick Falls, and Claude G. Bordeaux, Albany, N. Y.
Application February 21, 1934, Serial No. 712,372
3 Claims. (Cl. 137—69)

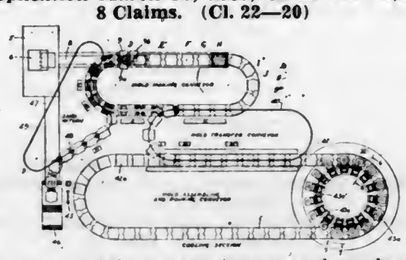


1. In a check valve, a housing open at one end, said end being provided with a peripheral seat, an insert provided with a body portion formed at one end with a seat engageable with that of said housing, said body portion being substantially cylindrical in cross section but with a face inclined to the plane of said seat, said insert being provided with a passage communicating with said end thereof and with said inclined face and with a valve seat and a valve member mounted thereon adapted to close said passage, said housing being provided with two inwardly extending lugs, the spaces between which are unequal peripherally of said housing, said lugs being engageable with said body portion, the spacing of said lugs from the end of said housing and peripherally thereof, being such as to permit said insert to seat against said housing when said insert engages said lugs and is received within the wider space between the two.

2,068,834
OXIDIZED "HYDROFORMED SOLVENT"
Carl Winning, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 10, 1932, Serial No. 610,498
9 Claims. (Cl. 134—56)

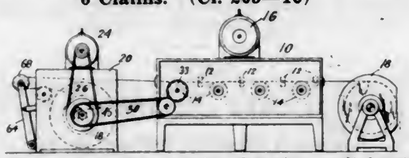
1. The process of preparing solvents which comprises subjecting a "hydroformed solvent" prepared by destructive hydrogenation of hydrocarbon oils of a boiling range including that of gasoline and extending up to 370° C. to limited oxidation at a temperature below about 300° C. and at a pressure above about 50 pounds per square inch.

2,068,835
FOUNDRY SYSTEM
Henry A. Wurster, Cleveland, Ohio
Application March 13, 1935, Serial No. 10,909
8 Claims. (Cl. 22—20)



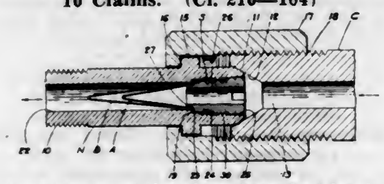
8. In a molding apparatus, a sand conducting unit, a chute for discharging sand into a flask, a constantly moving conveyor interposed between said conditioning unit and said chute to transfer sand from said unit to said chute, means within said chute to break up the lumps and balls of sand occasioned by movement along said conveyor and throw the agitated and aerated sand downwardly through said chute and directly against patterns in the molding flask disposed therebeneath.

2,068,836
APPARATUS FOR DRAWING AND REELING WIRE
Herman Zarafu, West New York, N. J., assignor to Elevator Supplies Company, Incorporated, Hoboken, N. J., a corporation of New Jersey
Application May 1, 1935, Serial No. 19,153
6 Claims. (Cl. 205—16)



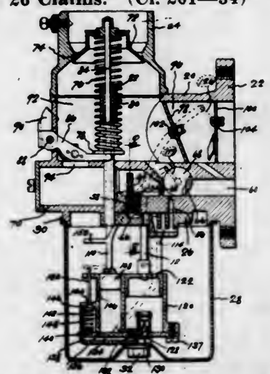
1. In combination, a wire drawing unit having a relatively powerful motor capable of driving the drums which pull the wire through the dies, a reeling unit comprising a reel and having a relatively weak motor capable of driving the reel to maintain a desired tension on the wire coming from the drawing unit, gearing for connecting the said reel with the wire-drawing unit so as to be driven by the motor thereof, and a clutch for disconnecting said gearing from said reel when the drawing unit and the reeling unit have attained a desired operating speed.

2,068,837
INLET NIPPLE SCREEN ADAPTER
Peter R. Aronson, Millburn, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 5, 1933, Serial No. 679,099
10 Claims. (Cl. 210—164)



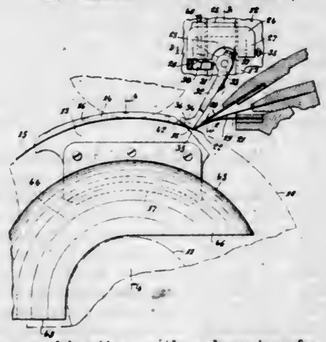
1. An adapter of the class described having an inclined exterior seating surface at one end and a bore extending through said adapter and terminating in an outwardly flaring portion adjacent such seating end; filtering means in said bore; and a device for retaining said filtering means in place, said device having a frustoconical portion for fitting within said flaring portion.

2,068,838
CHARGE FORMING DEVICE
Fred E. Aseltine, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 14, 1933, Serial No. 689,351
26 Claims. (Cl. 261—34)



1. A charge forming device for internal combustion engines comprising a mixture passage, means for supplying fuel and air thereto, a throttle controlling the flow of mixture through said passage, a secondary air valve for supplying additional air to said mixture passage, means for controlling the mixture ratio, said mixture controlling means comprising a dash pot for retarding the opening movements of the secondary air valve and means operable by the throttle for reducing the retarding effect of said dash pot on opening movements of the throttle at relatively high engine speeds, by comparison with the effect of the dash pot at lower speeds.

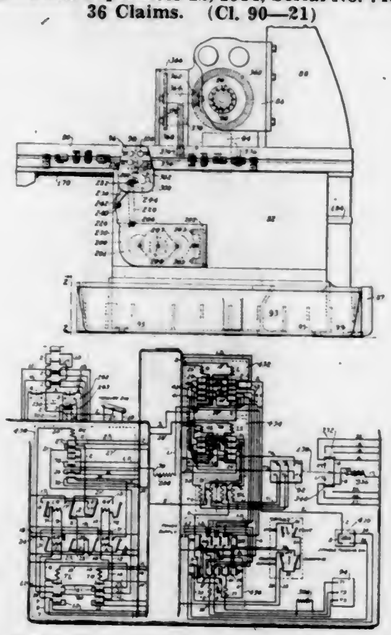
2,068,839
SEAL FOR INK HOUSINGS OF PRINTING PRESSES
Alfred Behringer, Corona, N. Y., assignor to Speedry Gravure Corporation, New York, N. Y., a corporation of New York
Application September 9, 1935, Serial No. 39,717
15 Claims. (Cl. 101—157)



1. In combination with a housing for a printing cylinder, a doctor and a cylinder end seal

mounted on the housing, and means exteriorly of the housing and between the doctor and end seal to seal the end seal to the doctor to prevent the escape of the volatile ingredients of ink from the housing.

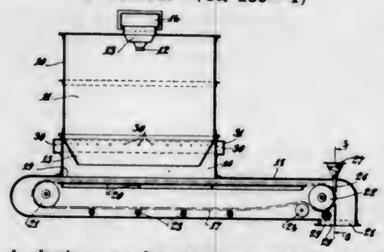
2,068,840
MILLING MACHINE
Arthur F. Bennett, West Barrington, and August L. Krause, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application September 12, 1934, Serial No. 743,652
36 Claims. (Cl. 90—21)



4. In a milling machine, the combination of an operating tool, a work supporting table movable to position work with relation to said tool, driving connections for the table including an electric motor, and a switch control mechanism for controlling the operation of said motor and table including starting, stopping and reversing switch contacts, a viscosity plugging switch for the motor having a central stop position and alternative operating positions controlled by the direction of rotation of the motor, means tending to maintain the viscosity switch yieldingly in stop position, a solenoid, a plunger controlled thereby adapted when rendered operative to lock the viscosity switch against a return to the alternative operating position, and means for controlling the operation of said solenoid in stopping the machine to prevent overtravel of the switch mechanism in plugging the motor to a stop.

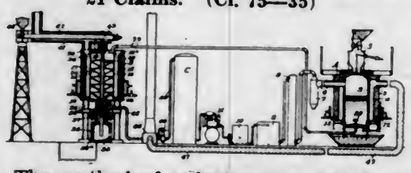
31. In a milling machine, the combination of a power driven member, driving connections therefor including a reversible electric motor and a shaft directly driven thereby for driving said member in opposite directions, a slow feed and quick traverse clutch, a solenoid for controlling the position of said clutch, a switch controlling mechanism for controlling the operation of said motor and solenoid comprising slow feed, quick traverse and stopping switch contacts, a viscosity plugging switch mounted on said shaft having a central stop position and alternative operating positions controlled by the direction of rotation of the motor, means tending yieldingly to return said viscosity switch to stop position at substantially zero speed of rotation of the motor and shaft driven thereby, and switch connections controlled by said viscosity switch to permit the operation of said solenoid to shift the clutch to quick traverse position in a reverse direction only upon return of said viscosity switch to stop position.

2,068,841
BELT DELIVERY SPRAY DRIER
William Spencer Bowen and Julius Freeman, Westfield, N. J.
Application June 22, 1934, Serial No. 731,892
3 Claims. (Cl. 159—4)



3. A drying mechanism comprising a drying chamber, a cooling chamber associated therewith whereby particles may fall from the drying chamber into the cooling chamber, a belt in the cooling chamber to remove particles therefrom, and means to direct a cooling fluid against the belt to remove particles therefrom, the fluid subsequently being directed through the cooling chamber toward the drying chamber.

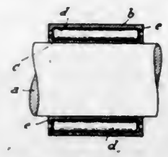
2,068,842
METHOD AND APPARATUS FOR THE TREATMENT OF ORES AND THE GENERATION OF GAS
James A. Bradley, Pittsburgh, Pa.
Application October 1, 1934, Serial No. 746,347
21 Claims. (Cl. 75—35)



2. The method of reducing ores, which comprises generating a reducing gas containing hydrogen and carbon in a retort, cleaning and storing the gas so generated, passing the gas so stored over comminuted ore particles which are in a state of agitation, utilizing waste heat from the retort to preheat the reducing gas, passing the gas after it has been brought into contact with the ore back to the retort to convert it again into a reducing gas, applying heat to the ore particles while reducing gas is flowing thereover, and utilizing excess heat from the ore-heating operation to preheat the ore.

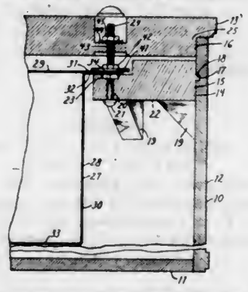
2,068,843
DIVIDED ROLLER BEARING
Max Cahn, Cologne, Germany
Application July 6, 1935, Serial No. 30,061
In Germany November 24, 1933
4 Claims. (Cl. 308—216)

1. A roller bearing comprising an outer and an inner race member, each of said race members being composed of at least three detachable components having helical abutting surfaces to abut against each other, said helical abutting



surfaces being of such a pitch, that diametrical opposite ends of each component embrace an arc, which does not exceed 180°.

2,068,844
RADIO CONSTRUCTION
Ostilio Ciccarelli, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application October 12, 1935, Serial No. 44,729
2 Claims. (Cl. 312—7)

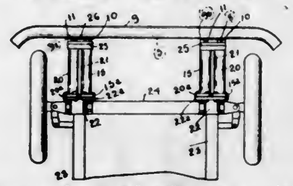


1. A radio construction comprising: a hollow radio cabinet having non-separable top, front, end and rear walls and shaft-openings in its front wall and the bottom being open and supporting-brackets on the inside of the opposite end walls of the cabinet adjacent the bottom thereof; and a radio chassis having shafts projecting from its front and insertable into said cabinet through said open bottom and adapted to pass between said brackets and having flanges engageable against said brackets and slidable transversely of said insertion movement to project said shafts through said shaft-openings and said flanges being adapted to be secured to said brackets.

2,068,845
PROCESS OF MANUFACTURING HARD BITUMINOUS MATERIALS
John Oliver Collins, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 3, 1933, Serial No. 692,029
4 Claims. (Cl. 196—74)

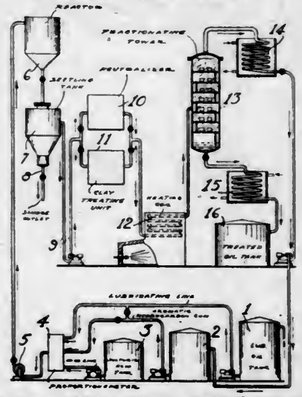
4. A process of manufacturing a hard bituminous material from a residuum oil obtained in cracking a petroleum distillate oil, comprising subjecting a residuum oil obtained in cracking a petroleum distillate oil, to vacuum distillation to reduce the residuum oil to an 80° to 90° F. softening point, contacting the reduced residuum oil with a gas containing free oxygen to obtain a bituminous material having a softening point over 275° F., dissolving the bituminous material in benzol, separating the insoluble materials and evaporating the solvent from the dissolved bituminous material.

2,068,846
DUPLEX SPRING VEHICLE BUMPER
Micheal Critani, Westfield, N. J.
Application November 22, 1934, Serial No. 754,303
4 Claims. (Cl. 293—55)



1. A bumper for road vehicles consisting of a main bumper bar, companion spring rods for supporting each end of the bumper, a block pivotally supported in each end of the bumper, each block being pivotally connected to one set of the spring rods, companion spring boxes for each set of spring rods, means for securing each companion set of boxes to the frame of a vehicle, a spring follower on each spring rod, companion spring coils in each box, one coil being arranged within the other and of opposite helical construction, and a rubber shock ring on the outer end of each spring box to receive the bumper bar.

2,068,847
PROCESS OF TREATING A PETROLEUM OIL
Garland H. B. Davis and Jones I. Wasson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 8, 1934, Serial No. 756,672
2 Claims. (Cl. 196—40)

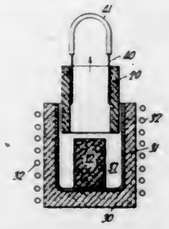


1. The process of treating a petroleum oil which normally, upon treatment with sulfuric acid, gives rise to a peppery, not readily separable sludge, with non-fuming sulfuric acid, which comprises agitating the oil with sulfuric acid of at least 50% concentration in the presence of an added normally liquid unsaturated cyclic hydrocarbon in amount of from 1 to 10% of the oil, and separating the sludge formed from the oil.

2,068,848
METHOD OF FORMING DIAMONDIFEROUS ABRASIVE COMPOSITIONS
Jean Hubert Louis De Bats, East Orange, N. J., assignor of ten per cent to Howard W. Dix, Scarsdale, N. Y., and ninety per cent to Metal Carbides Corporation, Youngstown, Ohio, a corporation of New Jersey
Application February 23, 1934, Serial No. 712,473
2 Claims. (Cl. 75—137)

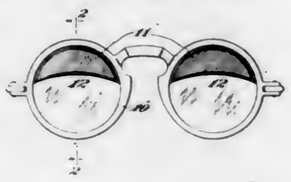
1. The method of forming diamondiferous

abrasive compositions comprising intimately admixing tungsten powder and carbon powder in amounts sufficient to form tungsten carbide, incorporating in the powdered mix up to one-third of the mass of the same of particulate diamonds, tamping the said diamondiferous mass in a carbonaceous crucible, heating the so-treated material to a temperature sufficient to cause coales-



cence and shrinkage of the mass, removing the crucible from the shrunken mass, heating the said mass to a temperature sufficient to cause the same to swell and assume a spongified, plastified condition while retaining its external solid aspect, and removing the so-heated and spongified diamondiferous refractory mass to a drop-forge and drop-forging the same at white heat with blows of the order of 5 to 250 tons and above.

2,068,849
EYESHIELD
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application October 30, 1934, Serial No. 750,659
1 Claim. (Cl. 2—12)

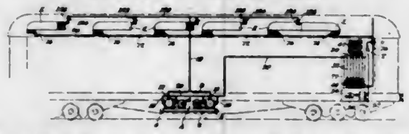


An eye shield of the class described comprising a frame, a lens and a visor, the lens and visor merging into a single integral unit carried by the frame, the merging being along a line substantially above the horizontal center of the shield, the lens being below and the visor being above that line, and the visor being substantially opaque and offset from the lens whereby vision is through the lens alone and the visor serves to shield the eye from direct rays of light.

2,068,850
PROCESS OF IMPROVING GASOLINE
Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 1, 1932, Serial No. 631,371
5 Claims. (Cl. 196—39)

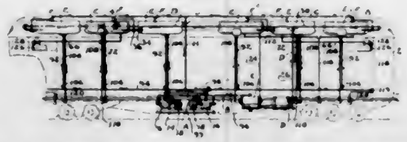
1. Process of improving a gasoline produced from petroleum and containing highly unsaturated constituents which comprises, treating the gasoline at about refluxing temperature with about 0.1 to 10% of a substance selected from the group consisting of unsaturated acids, acid anhydrides, aldehydes and quinones, containing the grouping represented by =CH—CO—, and separating the reaction products so formed.

2,068,851
AIR CONDITIONING SYSTEM FOR RAILWAY PASSENGER CARS
Herbert D. Euwer, St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 24, 1934, Serial No. 717,166
13 Claims. (Cl. 62—176)



3. The method of conditioning and distributing air for railway passenger cars of the monitor deck type having a lower deck which comprises withdrawing the air from the car at a plurality of points at the monitor deck, cooling the air, and introducing the cooled air through the ceiling of the lower deck of the car into the car at a plurality of points.

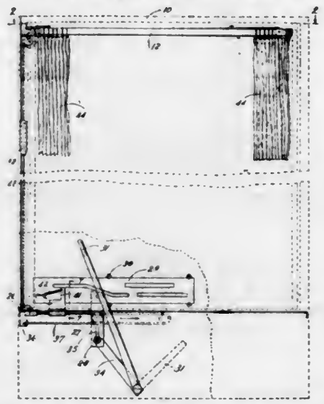
2,068,852
AIR CONDITIONING SYSTEM FOR RAILWAY CARS
Herbert D. Euwer, St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 24, 1934, Serial No. 717,167
14 Claims. (Cl. 257—7)



1. In combination with a railway passenger car, an air conditioning system comprising a refrigerant circuit having a compressor and a condenser, a pair of headers arranged exteriorly of the car and forming parts of the refrigerant circuit, a plurality of air conditioning units at the upper portion of the car and connected individually with said headers to receive refrigerant therefrom, air entrance and exhaust ports for each unit establishing communication between the interior of the car and the respective unit, and means associated with each of the units operative in response to variations in temperature conditions of the refrigerant subsequent to its passage through the units for controlling passage of refrigerant from the refrigerant circuit to said units.

2,068,853
VOTING MACHINE VOTING BOOTH
Arthur F. Foehrenbach and Ransom F. Shoup, Canton, Ohio, and Samuel R. Shoup, North Bergen, N. J., assignors of one-half to Berger Manufacturing Company, Canton, Ohio, a corporation of Ohio, and one-half to Shoup Voting Machine Corporation, Union City, N. J., a corporation of New Jersey
Application June 5, 1934, Serial No. 729,149
6 Claims. (Cl. 20—3)

1. In a voting booth a voting machine cabinet having centrally divided doors hinged upon the outer edges of the side walls thereof, a curtain frame comprising a rail having arms pivoted within the cabinet adjacent the top thereof, curtains slidably mounted upon said frame, means for connecting said frame to said doors when the latter



are opened thereby forming a voting booth, the doors forming the side walls thereof and the curtain the forward wall, said frame and curtain folding within the cabinet when the doors are closed.

2,068,854
TREATING OXYGENATED ORGANIC COMPOUNDS
Per K. Frolich, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 30, 1932, Serial No. 627,151
9 Claims. (Cl. 260—172)

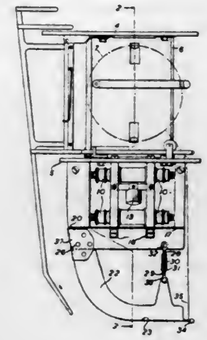
1. The process of preparing oxygenated organic compounds which comprises subjecting products having a molecular weight corresponding to about C_{20} and higher, produced by the oxidation of paraffin wax, to controlled thermal decomposition at a temperature between the approximate limits of 400–700° C. in the presence of a contact mass favoring the production of low and medium molecular weight ketones, aldehydes, pyrones, with a time of contact corresponding approximately to that of one second when the temperature is between 600–700° C.

2. Process according to claim 1, in which the oxidation products are given a preliminary neutralization before being thermally decomposed.

5. Process accerding to claim 1, in which a contact mass selected from the group consisting of calcium carbonate and ferrous oxide is used.

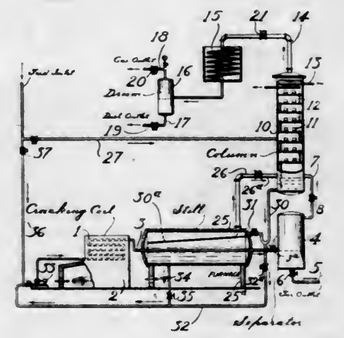
2,068,855
CIRCULAR LOOM
Frank Corbyn Hale and Robert Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 4, 1935, Serial No. 43,539
In Great Britain October 16, 1934
4 Claims. (Cl. 139—13)

1. A circular loom shuttle, comprising an elongated body-portion, an elongated pressing member extending along the length of said body-portion and protruding therefrom in a direction substantially parallel to the axis of rotation of the shuttle, said pressing member being adapted to press a length of weft into the fabric, and means for adjusting the position of said pressing member relatively to said body-portion so as to ad-



just the extent to which the weft is pressed into the fabric.

2,068,856
COMBINED STILL AND COIL CRACKING
Frank A. Howard, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 25, 1929, Serial No. 380,783
2 Claims. (Cl. 196—58)

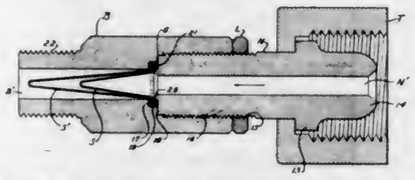


1. The method of cracking petroleum which comprises introducing said petroleum into a fractionating zone, passing it counter-currently in said zone to vaporous cracking products whereby said petroleum is partially stripped, introducing the residual petroleum into a cracking and distillation zone where it is subjected to conditions suitable for limited cracking and distillation, removing vaporous products from this zone, passing the residual petroleum from this zone to an elongated narrow heating zone in which it is subjected to more severe cracking conditions, conducting the total cracked effluent directly through the said cracking and distillation zone in indirect heat exchange relation thereto without permitting any of said cracked effluent to come in contact with products undergoing cracking in said cracking and distilling zone, passing said cracked effluent to a separator, withdrawing tar from said separator and rejecting it from the system and passing vaporous products to said fractionating zone.

2,068,857
MOTOR FUEL BLEND AND PROCESS OF MAKING THE SAME
Frank A. Howard, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 21, 1933, Serial No. 652,931
2 Claims. (Cl. 44—9)

1. A motor fuel comprising, as its major constituent, a gasoline containing gum-forming constituents, and containing a sufficient amount of an alcohol to improve the knock rating of the gasoline, a sufficient amount of pine oil to hold the alcohol in solution in said gasoline, and from 0.2 to 2.0 parts by volume of the blend of a material normally existing in the liquid phase at both the minimum and maximum temperatures of those parts of a motor on which gum tends to deposit during operation thereof, having a low vapor pressure at the maximum temperature of said parts and having an ability to soften, loosen, dislodge and/or prevent deposition of hard carbonaceous gummy deposits on the walls, valves, rings and other interior parts of an internal combustion engine comparable to that possessed by a naphthenic type oil having a kauri butanol number higher than 15, a viscosity at 100° F. between 75 and 400 seconds Saybolt, an A. P. I. gravity number between 18 and 28 and a viscosity index less than 30.

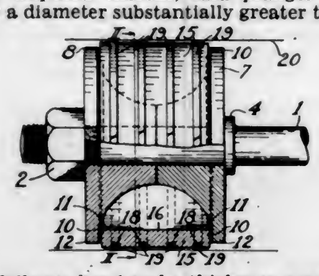
2,068,858
FILTERING NIPPLE
Homer W. Jones, Williamsville, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application November 1, 1932, Serial No. 640,628
9 Claims. (Cl. 183—72)



7. The combination of two detachably-connected members having alined fluid passages; a filter assembly, replaceable as a unit, comprising at least one screen having a flanged margin embraced by an annular gasket of deformable metal; the said gasket being adapted to be clamped between the said members; one of the said members being provided with a recess in which the said gasket is seated, and the other of said members being provided with a lip extending into said gasket to maintain it in said recess during application of clamping pressure thereon.

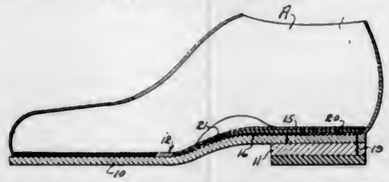
2,068,859
FLOATING PUMP PLUNGER
William Jones, Linden, James Sharp, Elizabeth, and William H. Boehm, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 5, 1935, Serial No. 14,770
3 Claims. (Cl. 309—4)

1. A pump plunger including a follower head, an annular recess in the side of the head, annular shoulders formed in the recess, adjacent the edges of the side walls thereof, adapted to freely engage the inner edges of a rigid tubular plunger member of lesser length than the recess and loosely disposed therein, said plunger member having a diameter substantially greater than that



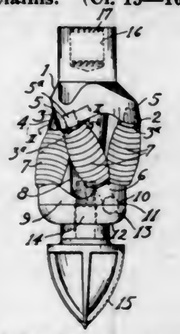
of the follower head and a thickness greater than the depth of the recess at the shoulders.

2,068,860
SHOE CONSTRUCTION
John E. Langley, Brooklyn, N. Y.
Application November 5, 1934, Serial No. 751,647
1 Claim. (Cl. 36—71)



A shoe having an inner sole of readily flexible material which is centrally slit transversely from its toe and heel portions to present upper and lower lifts, the slit from the toe end of the inner sole terminating in a straight transverse wall which is arranged forwardly of the shank of the shoe and the slit at the heel portion of the inner sole terminating in an angle wall which is directed from the forward end of the shank at one side of the shoe to the forward end of the heel at the second side of the shoe, and an insert received between the lifts at the heel portion of the shoe having a tapered end which contacts with the angle wall between said lifts, and having a horn on one of its edges to rest against the shoe at the waist thereof.

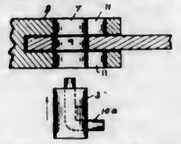
2,068,861
CLEANER FOR TUBES AND THE LIKE
George J. Langmyhr, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware
Application December 27, 1933, Serial No. 704,074
In Canada September 27, 1934
2 Claims. (Cl. 15—104.14)



1. A rotary tube cleaner, comprising an axially elongated body having radially projecting axially

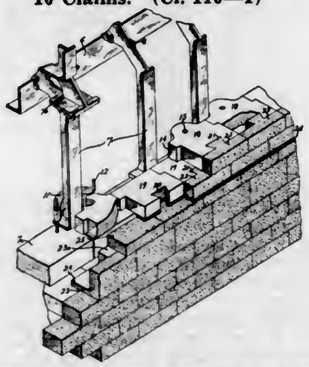
spaced shoulders facing each other, a ball-shaped socket opening through one of the shoulders, a non-circular recess in the opposing shoulder facing toward the socket and aligned therewith, and a cutter element mounted on a pin having a ball-shaped head fitting in the socket and a rectangular end, non-rotatably fitting in the recess, the recess being of greater dimension in a radial direction than the end to permit of centrifugal movement of the end and of restricted dimension laterally to constitute a guide for the end.

2,068,862
CHAIN LINK CONNECTION
Arthur L. Lee, Oakmont, Pa.
Application April 5, 1935, Serial No. 14,873
6 Claims. (Cl. 74—251)



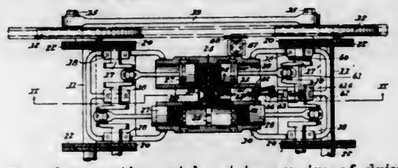
1. In combination with two chain links, the first of which links has spaced leg portions defining a recess, and the second of which links is received within the recess defined by said leg portions, the said leg portions of the first link and the second having aligned apertures and the said leg portions having cut-out regions extended into the leg portions from said recess and converging with the apertures in the said leg portions, a bored connecting pin lying in the aligned apertures in the leg portions of the first link and in the second link lying between the said leg portions, and a deformable wire in the bore of the connecting pin and deflected at two points to extend angularly to the pin bore and beyond the periphery of the pin, whereby the deflected portions of the wire may lie in the cut-out regions in the leg portions of the first link in contact with the surfaces of the second link lying in the recess between the said leg portions.

2,068,863
SECTIONALLY SUPPORTED WALL
Hans A. Mannshardt, Elmhurst, N. Y., assignor to American Arch Company, Inc., New York, N. Y., a corporation of Delaware
Application August 1, 1931, Serial No. 554,493
10 Claims. (Cl. 110—1)



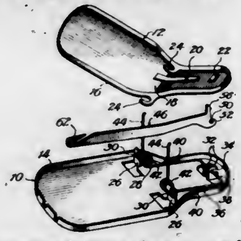
1. In a sectionally supported furnace wall, supporting members for the sections, outer bricks supported by the members and inner surface bricks supported by the outer bricks, certain of the inner bricks being substantially L-shaped to provide extended surface contact with an outer brick.

2,068,864
DIESEL DRIVEN LOCOMOTIVE
Frederick F. Murray, Oil City, Pa.
Application September 7, 1934, Serial No. 743,073
4 Claims. (Cl. 105—62)



1. In a locomotive, at least two pairs of driving wheels for engaging the track, an internal combustion engine of the opposed piston type arranged with the cylinders substantially horizontal, said engine comprising opposed pistons and crank shafts arranged at opposite ends of the engine, meshing gears permanently connecting one of said crank shafts to a pair of driving wheels, meshing gears permanently connecting the other of said crank shafts to a different pair of driving wheels, means for starting said internal combustion engine under load, and common means for synchronizing the rotation of said pairs of driving wheels and the crank shafts connected thereto.

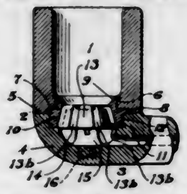
2,068,865
ANIMAL TRAP
Sebastian P. Neuhausen, Lombard, Ill., assignor to Stampit Corporation, Lombard, Ill., a corporation of Illinois
Application September 30, 1933, Serial No. 691,578
Renewed January 29, 1936
6 Claims. (Cl. 43—83)



1. A trap comprising a base member provided with a pair of spaced apart upwardly extending portions having openings therein, a top member mounted on the base member and provided with projecting elements extending within the openings in the upwardly extending portions for swingably connecting the top member with the base member, a spring associated with the base member and the top member and provided with loop portions for connecting the spring with the upwardly extending portions, said spring being adapted for yieldingly retaining the top member in a given position with respect to the base member, a trip arm carrying a bait holder at the forward end thereof and positioned between said top and base members and pivotally connected adjacent the rear end thereof with said spring, and a catch element carried by the trip arm, the arrangement being such that said spring tends to elevate said bait holder and move said catch element into position for engaging the top member when said top member is disposed in a set

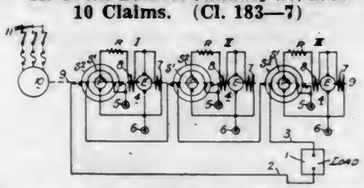
position whereby the top member may be retained in the set position, said trip arm being operable for moving the catch element out of engagement with the top member whereby the spring may snap the top member to its first given position.

2,068,866
TOBACCO PIPE
Joseph Pedery and Robert H. Moore, New York, N. Y.; Helen Moore, administratrix of said Robert H. Moore, deceased, assignor to said Pedery
Application April 18, 1932, Serial No. 605,883
11 Claims. (Cl. 131—12)



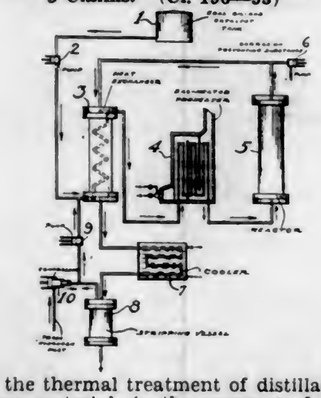
1. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing situated between said parts having an upwardly tapered bore, and a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore and sustain the tobacco, and said tablet dropping out of said bore upon severance of said parts.

2,068,867
HIGH VOLTAGE ELECTRICAL PLANT
Giuseppe Massimo Pestarini, Sheffield, England
Application December 29, 1933, Serial No. 704,568
In Great Britain January 23, 1933
10 Claims. (Cl. 183—7)



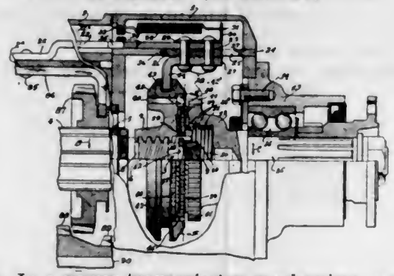
1. In a dust precipitating plant by means of electrostatic action, a precipitating chamber provided with high voltage electrodes, a source of current of the "metadyne" type supplying a direct current at substantially constant intensity at high voltage to the electrodes of the precipitating chamber, said "metadyne" source or current being a direct current machine comprising a rotor with winding and associated commutator and a stator mainly affording a path for the flux created by the rotor ampere turns, and bearing generally two sets of brushes, the current traversing one set creating by its ampere-turns a flux that induces an E. M. F. between the brushes of the other set, one set of brushes called primary, being traversed by a current at substantially constant voltage and the other set of brushes, called secondary, being connected by the electrodes, the said current source supplying to the high voltage electrodes of the precipitating chamber an E. M. F. increasing until the "corona" effect is obtained in the precipitating chamber, said corona effect absorbing a current equal to the current of substantially constant intensity supplied by the metadyne source of current the said source having a stator winding connected in series with the primary brushes and inducing by its ampere-turns an E. M. F. between the primary brushes, opposing the primary current.

2,068,868
THERMAL TREATMENT OF CARBONACEOUS SUBSTANCES
Mathias Pier, Heidelberg, Wilhelm Rumpf, Ludwigshafen-on-the-Rhine, and Ernst Donath, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application November 2, 1934, Serial No. 751,250
In Germany November 10, 1933
3 Claims. (Cl. 196—53)



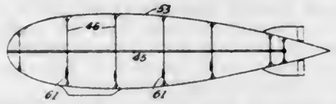
1. In the thermal treatment of distillable carbonaceous materials in the presence of acid-reacting substances capable of corroding the metallic surfaces of the inner walls of the apparatus in which the said treatment is effected, the step of adding to the said materials at a place in the neighbourhood of the outlet of the reaction product from the reaction vessel or in the devices following the reaction vessel, a substance selected from the group consisting of arsenic compounds, cyanides of the heavy and earth metals and organic nitrogenous bases.

2,068,869
MECHANISM FOR POWER TRANSMISSION
Carl F. Rauen, Grosse Pointe, Mich.
Application May 25, 1932, Serial No. 613,392
19 Claims. (Cl. 192—48)



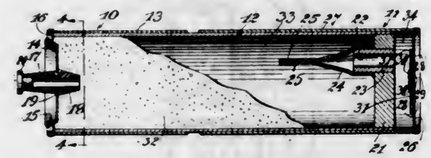
1. In a power transmission mechanism, a radially and longitudinally expansible and contractible coil spring, a helical cam directed oppositely to said spring, a follower member associated with said cam, a torque transmitting member coaxial with said cam, said spring being fixed to one of said members and frictionally engaged with the other of said members, whereby when the cam rotates in a direction causing the follower member to cause the spring to radially grip the other member, said spring serves as a drag, preventing rotation of the follower member and causing the same to axially compress the spring and approach the other member, said members having complemental clutch teeth engageable upon such approach, whereby the cam rotatably drives the other member.

2,068,870
DIRIGIBLE
Roland B. Respess, Wickford, R. I., assignor to Respess Aeronautical Engineering Corporation, Cranston, R. I., a corporation of Rhode Island
Application April 8, 1932, Serial No. 603,945
39 Claims. (Cl. 244—126)



1. In a dirigible, an envelope or covering having incorporated therein and forming a part thereof resilient means comprising superimposed spring coils for retaining the shape of the envelope and returning the envelope to its original shape after flexure or distortion.

2,068,871
POWDER SPRAYING DEVICE
William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware
Application November 30, 1934, Serial No. 755,292
3 Claims. (Cl. 43—147)



1. In a powder dispensing device consisting of a tubular container having a closure at each end, a dispensing closure for one end consisting of a narrow annular member affixed at its outer edge to the end of the container and affording frictional engagement at its inner edge for a separable cap having an opening therein adapted to receive a resilient spout having inner and outer portions each formed in the shape of a frustum of a cone, with their bases opposed and separated by an annular groove intermediate the length of the spout, the incidence of the side walls to the base of the inner frustum being greater than that of the outer frustum whereby the base of the inner frustum protrudes beyond that of the outer one to reinforce the resistance of the spout to outward displacement, and a passageway through the spout of uniform diameter throughout its length closed at its outer end by a friction fitted plug.

2,068,872
PURIFYING OF ALCOHOLS BY CONTACT CATALYSTS
Raphael Rosen, Cranford, and Francis M. Archibald, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 13, 1932, Serial No. 617,040
1 Claim. (Cl. 260—156)

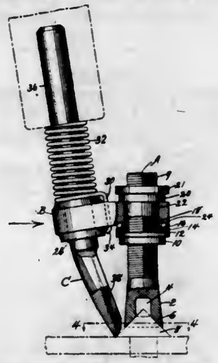
A process of purifying aliphatic alcohols having from 3 to 7 carbon atoms which comprises subjecting vapors of alcohols to the action of brass at temperatures ranging from 350° C. to 600° C. at a rate of at least two and not over about five volumes of the alcohol liquid to one volume of catalyst per hour.

2,068,873
PYROPHORIC LIGHTER
August Scheibinger, Bad Homburg vor der Hohe, and Sidney Koehlreuter, Frankfort-on-the-Main, Germany, assignors to Alfred Dunhill of London, Inc., a corporation of Delaware
Application March 27, 1934, Serial No. 717,554
In Germany April 1, 1933
4 Claims. (Cl. 44—7)



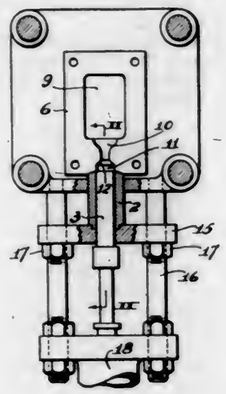
1. A self contained fuel filler for pocket lighters provided with a striker comprising a compact pad of felt impregnated with a liquid fuel and provided with a passage extending into the interior thereof adapted to house the striker and a hardened non-inflammable mineral-containing plastic coating impervious to the passage of air and the fuel and intimately secured through cohesion to the surface of the pad, said coating completely covering the filler including the outlet of the passage.

2,068,874
CALKING TOOL GUIDE
John D. Seiler, Milton, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 28, 1936, Serial No. 61,149
2 Claims. (Cl. 78—47)



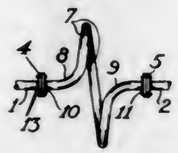
1. A calking device for use with a pneumatic hammer including a centering member formed with a rivet engaging lower extremity and a threaded shank, an adjustable nut engaging the threaded portion of said shank and formed with a bearing seat, a holding arm formed with spaced openings having relatively inclined axis, said centering standard being adapted to extend through one of the openings in said arm, a bearing adjacent said opening formed for cooperation with said nut bearing, antifriction members between said bearings, a calking tool having a working edge and shank arranged for reciprocating movement in the other opening in said arms, and a spring on said shank having one extremity secured to said arm.

2,068,875
PRESSURE CASTING MACHINE
James N. Smith, Westfield, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 19, 1932, Serial No. 643,430
3 Claims. (Cl. 22—68)



2. Apparatus for the pressure casting of metals comprising a separable mold having a plurality of sections and provided with a casting cavity and a gate arranged at the parting of the sections, a pressure cylinder in alignment with said gate and a plunger operating therein, said pressure cylinder provided with a bevelled end for contact with a complementary bevelled surface provided on a mold section, and means for withdrawing said mold section from the axis of the pressure cylinder to allow removal of the finished casting without movement of the pressure cylinder relative to the remainder of said mold.

2,068,876
SPRING EXPANSION BEND
John Y. Snyder, Jr., Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 21, 1933, Serial No. 699,088
2 Claims. (Cl. 285—90)



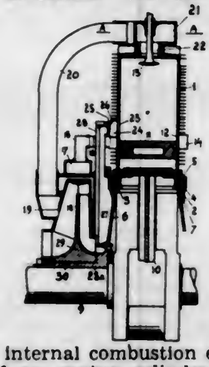
1. In a pipe line subject to variation in length due to temperature changes, a joint for two adjoining sections of the line consisting of a tubular body portion in the form of a portion of a helical coil having an axis substantially parallel to that of the adjoining pipe sections, end portions on said tubular body portion, at the perimeter thereof, extending outwardly therefrom in opposite directions, parallel to the axis of the body portion and adapted to engage the respective ends of the adjoining pipe sections, whereby variation of the length of the pipe line is compensated by an increase or decrease in the pitch of helical coil.

2,068,877
PREPARATION OF TITANIUM COMPOUNDS
Howard Spence and Sydney Francis William Crundall, Manchester, England, assignors to Peter Spence & Sons, Limited, Manchester, England
No Drawing. Application February 1, 1934, Serial No. 709,296. In Great Britain February 7, 1933
8 Claims. (Cl. 23—105)

1. The process for producing a soluble titanium material suitable for dyeing, mordanting, tanning, lake manufacture and the like which process comprises mixing together materials containing titanium, phosphoric acid and an oxalic acid, the oxalic acid being present in amounts not less than one mol. of acid per mol. of TiO_2, and heating the mixture to effect solution.

5. A material suitable for dyeing, mordanting, tanning, lake manufacture and the like which comprises the resultant product of a solution of materials containing titanium, phosphoric acid and oxalic acid, the oxalic acid being present in an amount of not less than 1 mol. per mol. of TiO_2.

2,068,878
INTERNAL COMBUSTION ENGINE
Robert Suczek, Detroit, Mich.
Application September 29, 1930, Serial No. 485,006
12 Claims. (Cl. 123—65)

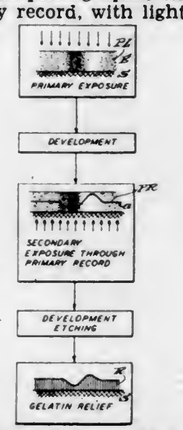


4. In an internal combustion engine the combination of an engine cylinder with a blower having a single impeller, a vane in said impeller with a leading and a trailing edge, means to deliver atmospheric air to the leading edge, means to gradually increase the pressure of the air while flowing from the leading edge towards the trailing edge, means to deliver air that has passed the trailing edge at predetermined pressure into the cylinder at one end of the piston stroke, means to bleed the impeller at a place located between the trailing and the leading edges and means to deliver such bled air into the cylinder at the other end of the stroke, the bled air being of lower pressure than the predetermined pressure.

2,068,879
PHOTOGRAPHIC RELIEF PROCESS
Leonard T. Troland, deceased, late of Cambridge, Mass., by Cambridge Trust Company, executor, Cambridge, Mass., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application September 9, 1933, Serial No. 688,805
4 Claims. (Cl. 95—5.6)

1. The method of photographically producing gelatine reliefs which comprises the exposure of

a silver haloid emulsion with light to which said emulsion is sensitive but which is only slightly absorbed therein, developing said emulsion, thereby providing a primary silver record including substantially all larger grains of said emulsion throughout its entire thickness, maintaining the emulsion sensitive substantially throughout its entire thickness, exposing the emulsion through its support under photographic exposure control by said primary record, with light colored to be



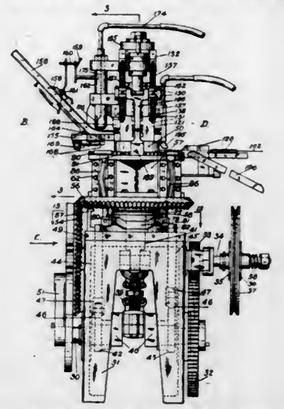
easily absorbed by said emulsion, thereby providing a secondary record concentrated near said support whereby the rate of contrast of the primary and secondary records is controlled by means of the primary exposure and of the adjustment of the light absorption during the secondary exposure, hardening the gelatine coextensive with said secondary record and substantially removing the unhardened gelatine, thereby providing a comparatively smooth gelatine relief.

2,068,880
PRESERVATION OF TEXTILES, LEATHER, AND WOOD
Artturi Ilmari Virtanen, Helsinki, Finland
No Drawing. Application November 15, 1934, Serial No. 753,245. In Sweden November 20, 1933
1 Claim. (Cl. 21—43)

A method of protecting various products of textile, leather, and wood working industries against the action of micro-organisms, comprising treating the said products with a preservative consisting essentially of mono-chlorinated mercurized naphthalene.

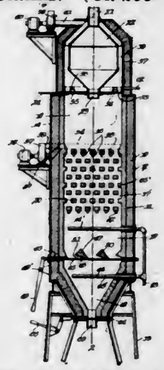
2,068,881
MECHANISM FOR SPECIALLY FORMING, AND FOR FITTING RELEASING MEANS OF WIRE TO, BOTTLE CLOSURE CAPS OF THE CROWN SEAL VARIETY
Philip Norton Vowles, Croydon, near Sydney, Australia, assignor to William John Smith, Point Piper, near Sydney, Australia
Application December 5, 1934, Serial No. 756,156
In Australia December 8, 1933
12 Claims. (Cl. 140—94)

1. An automatic mechanism for reforming bottle closure caps and fitting releasing wires thereto comprising means to cut and partly form wire, means to receive adjacently to each other said partly formed wire and a bottle closure cap and to indent and notch the latter and to fashion the wire into a looped formation, means to snugly nest the loop-like wire formation into the bottle cap indentation and recesses formed for recep-



tion of said wire formation, and means to positively eject the indented and wire fitted bottle cap.

2,068,882
METHOD AND APPARATUS FOR TREATING ALKALI-EARTH CARBONATE MATERIALS
Robert S. Walker, Bellefonte, Pa., assignor to Electro Lime & Ice Corporation, Wilmington, Del., a corporation of Delaware
Application December 22, 1934, Serial No. 758,831
11 Claims. (Cl. 263—53)

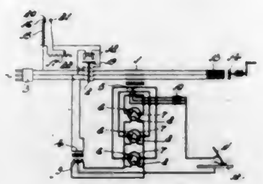


1. The method of treating alkali-earth carbonate material which consists in passing the material in thin streams through a heated zone, and introducing dry steam into the heated zone so as to mix with the gas therein, said steam acting to reduce the partial pressure of the gas and thus facilitate the liberation of the gas from the material.

2,068,883
DIRECT CURRENT WELDING APPARATUS
Hendrik Abraham Wijnand Klinkhamer, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application April 1, 1932, Serial No. 602,579
In Germany May 26, 1931
2 Claims. (Cl. 219—8)

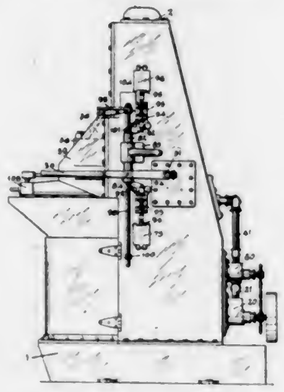
1. A portable D. C. welding apparatus comprising, a three-phase supply line, a three-phase supply transformer having primary windings and secondary windings, three gas-filled rectifier tubes each having two anodes connected to the ends of

one of said secondary windings and an oxide-cathode, a heating transformer for said cathodes having a primary winding connected to one phase of said supply line, inductive means connected in series with said primary windings to regulate the slope of the current-voltage curve of said rectifiers and the intensity of the welding current, timing means to prevent flow of current in said supply



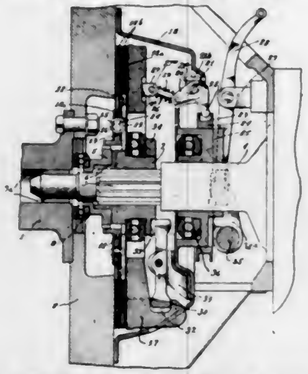
transformer until the cathodes are heated to their operating temperature, said timing means being supplied with controlling current from a phase of said supply line other than the phase to which said heating transformer is connected, said timing means and heating transformer also serving to prevent the flow of welding current upon failure of any phase of the supply line.

2,068,884
BROACHING MACHINE
Francis J. Lapointe, Ann Arbor, Mich.
Application October 2, 1935, Serial No. 43,172
4 Claims. (Cl. 90—33)



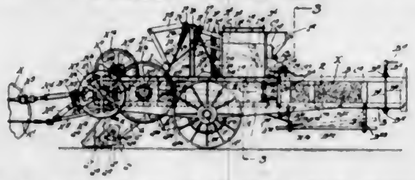
3. In a broaching machine, a draw head, means for operating the draw head, a broach and a broach moving means for moving the broach to the draw head, a work engaging member located intermediate the draw head and the said broach moving means for holding the work upon operation of the draw head, a movable work supporting member movable between the said work engaging member and the said broach moving means for locating the work above the broach and in position to be engaged by the work engaging member when the broach is operated by the draw head, and means operated by the movable work supporting member for initiating the movement of the broach moving means, and means controlled by the movement of the said broach moving means for initiating the operation of the draw head by the first named means.

2,068,885
AUTOMATIC CLUTCH
Kenneth E. Lyman, Rockford, Ill., and Harry J. Garceau, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 14, 1933, Serial No. 651,724
5 Claims. (Cl. 192—52)



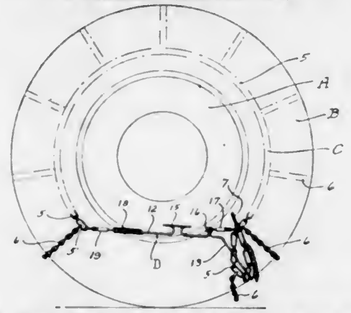
1. In a friction clutch, a driving member having a flywheel, a driven member in axial alinement with the driving member, a camming member loosely mounted upon said driven member, a friction member carried by said camming member for engaging said flywheel, a cammed member splined upon the driven member and adapted to be shifted longitudinally of said driven member by said camming member, a casing attached to said flywheel, a lever pivoted to said casing, means for operating said lever, a friction plate cooperating with said friction member, a connection between said friction plate and lever effective for causing a turning movement of said lever when the same is started from its operative to its inoperative position, and means actuated by said cammed member for actuating said friction plate.

2,068,886
COMBINE BALER
Raymore D. MacDonald, Shelbyville, Ill., assignor to Ann Arbor Machine Company, Shelbyville, Ill., a partnership composed of L. K. Tallman, G. L. Tallman, J. L. Tallman, and Emma S. Tallman
Application January 24, 1931, Serial No. 510,891
3 Claims. (Cl. 100—25)



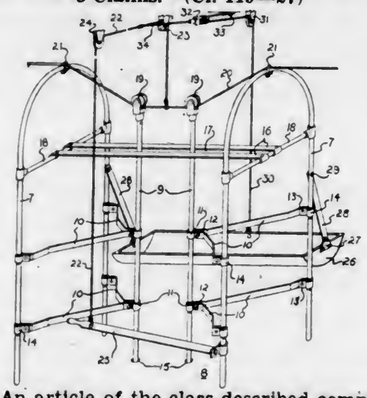
3. In combination, a vehicle frame, running gear for the frame including an axle and a single pair of wheels carried thereby, said axle being positioned intermediate the ends of the frame, baling mechanism mounted on the frame rearwardly of said axle, transmission mechanism mounted on said frame forwardly of said axle, bale supporting and discharging mechanisms on the frame rearwardly of said baling mechanism, a pick-up mechanism for raising material to be baled, said pick-up mechanism including a conveyor frame, means for pivotally supporting the said frame substantially over said axle, with the lower end thereof engaging the ground well in advance of the axle, means for connecting the vehicle frame to a tractor, the several mechanisms carried by the vehicle frame being positioned thereon with respect to the axle to maintain the entire apparatus in a substantially balanced condition, with respect to said axle, and means for floatingly supporting said pick-up conveyor frame, whereby to maintain the same in contact with the ground at all times.

2,068,887
TIRE CHAIN APPLYING TOOL
Wayne D. Meyers, Harrisburg, Pa., assignor of one-third to Merle E. Coover, Carlisle, Pa.
Application October 11, 1935, Serial No. 44,604
9 Claims. (Cl. 152—14)



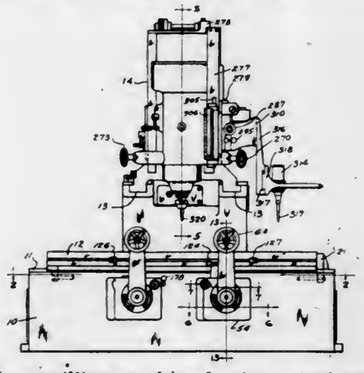
1. A tire chain applying tool comprising a body member embodying side arms and a loop connecting the arms at one end for snugly embracing the tire, chain engaging means adjacent each end of each arm, and a handle offset outwardly on each arm.

2,068,888
STANCHION ASSEMBLY
Clarence O. Patten, Keyes, Calif., assignor of one-half to Verne K. Horton, Modesto, Calif.
Application February 6, 1935, Serial No. 5,228
3 Claims. (Cl. 119—27)



1. An article of the class described comprising a pair of upright stanchion bars spaced to hold an animal by the head, supports hinged to each of said bars extending laterally and hinged to opposite foundation structures, a bar cable fixed to each of said foundation structures and passing through pulleys on the upper ends of said bars, and an operating cable attached to said bar cable between said bars whereby an upward pull on said operating cable will simultaneously raise and spread said bars to release said animal.

2,068,889
MILLING AND PROFILING MACHINE
Erwin G. Roehm, Norwood, and Millard Romaine, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application September 11, 1935, Serial No. 40,060
18 Claims. (Cl. 90—13.5)

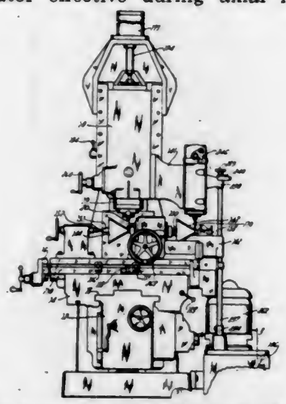


2. In a milling machine having a tool support and a work support, the combination of a transmission mechanism for effecting relative movement between the supports including a final rotor, power operable means for actuating said rotor at feed rates or at a relatively quick traverse rate including a feed-quick traverse selector, a direction determinator including a shiftable member having a third position for stopping the table, a single control lever for both of said determinators having five positions including a central or stop position, a feed left and a feed right position upon opposite sides of said central position, a quick traverse left and a quick traverse right position upon opposite sides of said central position and beyond said feed positions, trip operable means for moving the control lever from either of said feed positions to a stop position, manually operable means for positioning the lever in either of its quick traverse positions, and means automatically operable for returning the lever to one of said feed positions upon release by the operator.

2,068,890
AUTOMATIC THREE-DIMENSIONAL PATTERN CONTROLLED MILLING MACHINE
Bernard Sassen, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application July 10, 1935, Serial No. 30,745
24 Claims. (Cl. 90—13.4)

10. In a machine tool having a rotatable work support and a tool support, the combination of power operable means for effecting a relative movement of one support toward and from the other, fluid operable means for effecting rotation of the work support including a variable delivery pump, a rotatable and axial movable cutting rate determinator, manually operable means for rotating said determinator, means to connect said determinator for axial movement in response to said relative movement between the supports, a circumferentially extending cam portion on the

determinator effective upon rotation thereof for differently positioning the displacement regulator of the pump and thus selecting a predetermined cutting rate, other cam portions on said determinator effective during axial movement



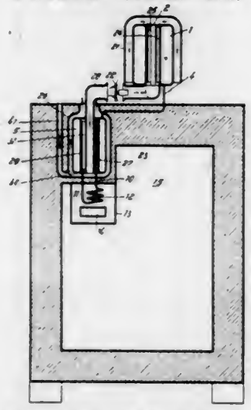
thereof for automatically adjusting the displacement of said pump to maintain the rate of cutting constant, and means associated with said determinator for indicating the predetermined rate of cutting for each setting thereof.

2,068,891

AIR-COOLED REABSORPTION REFRIGERATING APPARATUS OF THE INTERMITTENT TYPE

Paul Scholl, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application September 19, 1933, Serial No. 690,133
In Germany May 12, 1932
2 Claims. (Cl. 62—120)



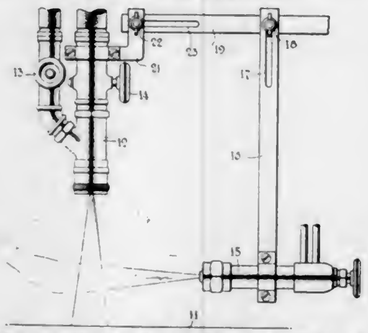
1. In an air-cooled reabsorption refrigerating apparatus of the intermittent type designed to supply refrigeration to a cooling chamber comprising a generator-absorber with a solid absorbent and a reabsorber-evaporator with a second solid absorbent, means for conveying the refrigerant from the generator-absorber to the reabsorber-evaporator and vice versa, means for heating the generator-absorber during the heating period and means for cooling the same during the cooling period, means for supplying cooling air to the reabsorber-evaporator during the heating period, and means for transferring heat from the cooling chamber to the reabsorber-evaporator during the cooling period, said generator-absorber being arranged so as to permit during the heating period an accumulation of air in contact with the heat-radiating surfaces thereof, said generator-absorber cooling means comprising a ventilator so arranged as to supply a current of air to the heat-radiating surfaces of the generator-absorber during the cooling period, the reabsorber-evaporator being so arranged as to permit an accumulation of air during the cooling period, said reabsorber-evaporator cooling means comprising a ventilator so arranged as to supply a current of air to the heat-radiating surfaces of the reabsorber-evaporator during the heating period.

2,068,892

METHOD OF COATING SURFACES

Howard V. Schweitzer, McKeesport, Pa., and Davis A. Cable, East Sparta, Ohio, assignors to United States Quarry Tile Company, Parkersburg, W. Va., a corporation of Delaware

Application June 6, 1932, Serial No. 615,722
2 Claims. (Cl. 91—68)



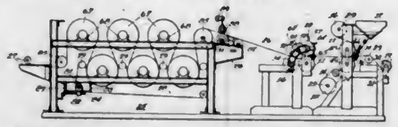
1. The method of applying fusible glazes, enamels and similar coatings to earthenware, tile, metal, and other non-absorbent materials, which consists in spraying a mixture of liquid and the fusible matter on the surface of the non-absorbent material and directing a hot gaseous stream towards and intersecting the stream of the sprayed mixture after it has been sprayed but prior to its impingement on the surface to alter the consistency of the mixture, thereby to effect adherence of the mixture to said surface without further flow thereof.

2,068,893

APPARATUS FOR PRODUCING LAMINATED MATERIALS

Kimberly Stuart, Neenah, Wis., assignor, by mesne assignments, to Garrett B. Linderman, Jr., Beverly, N. J.

Application September 18, 1933, Serial No. 689,995
7 Claims. (Cl. 154—37)



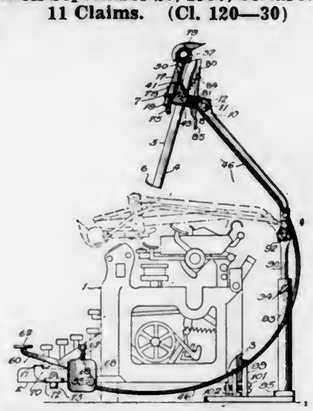
7. Apparatus for laminating sheet material comprising two opposed contacting pressure rolls, one of said rolls being less hard than the other, a second set of pressure rolls comprising a relatively fixed roll formed of yielding material, and a movable roll formed of more yielding material tangentially in contact with said fixed roll, said movable roll being adjustable about the periphery of said relatively fixed roll and means for drawing a plurality of strips of sheet material through said first mentioned rolls and said relatively fixed and movable rolls in succession.

2,068,894

COPY HOLDER MACHINE

Thurmon H. Talley, Little Falls, N. Y., assignor to The Dawn Mfg. Corp., Rochester, N. Y., a corporation of New York

Application September 20, 1930, Serial No. 483,288
11 Claims. (Cl. 120—30)



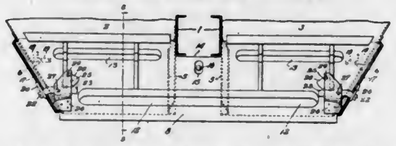
6. The combination with a sheet supporting member having an upper edge over which a sheet is arranged to be thrown, work clamping means for holding the sheet in a suspended condition on the sheet supporting member, and a feeding mechanism engaging with the suspended sheet adjacent the upper edge of the sheet supporting member to draw said sheet upwardly, said feeding mechanism embodying a movable sheet engaging roller in front of the sheet supporting member, and a pivoted support for said roller, the pivot of the support being below the axis of the turning of the roller and also in front of the vertical plane of said axis, so that the roller may be swung away from the sheet holding member to permit the work to be inserted in place by a downward movement along an unobstructed path and thereby secured by the clamp.

2,068,895

HOPPER DOOR AND HOPPER DOOR LATCH

John J. Tatum, Baltimore, Md.

Application February 24, 1934, Serial No. 712,832
12 Claims. (Cl. 105—253)



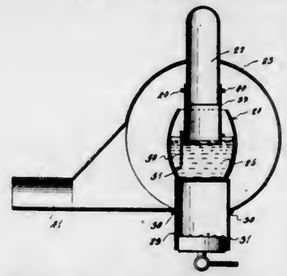
1. A freight car having a doorway, a door hinged at its upper edge for swinging movements to open and close said doorway, keepers at the sides of the doorway, latching means on the door for coaction with said keepers, and cooperating engaging and supporting members on the side walls of the doorway and the door between the horizontal centers and top edges of the doorway and door brought into engagement upon the closing of the door to assist in supporting said door, said members having cam surfaces serving to lift the door in its closing movement so as to support the door and relieve the door hinges from supporting strain and prevent sagging of the door.

2,068,896

AMALGAMATOR

James W. Thompson, Las Vegas, Nev., assignor of one-half to William H. Fowler, Las Vegas, Nev.

Application April 9, 1935, Serial No. 15,476
1 Claim. (Cl. 209—183)



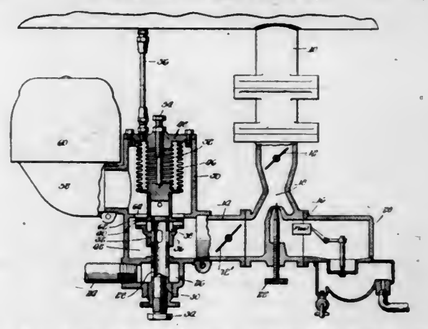
An amalgamating apparatus of the class described having a casing provided with an outlet, a support in said casing, a crucible removably disposed on said support, amalgam in said crucible, an ore supply conduit extending through the wall of the casing and depending into the casing, a blower connected to said conduit, said crucible being open at the upper part for free overflow of gangue and being removable by lateral movement between the support and conduit, said crucible being in line with said conduit, a conduit member telescoped over the lower extremity of the first-mentioned conduit normally extending into the crucible with its lower end adjacent the surface of the amalgam, and means to secure the conduit member in a position extending into the crucible and in a position retracted with respect to the crucible so that the latter may be removed.

2,068,897

GAS MIXING VALVE

Harry H. Waters and Robert H. Kerr, Clinton, Iowa, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States

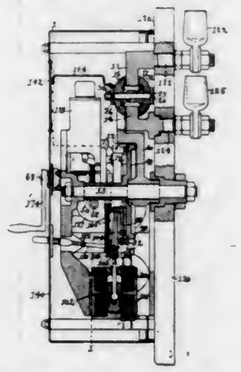
Application August 23, 1930, Serial No. 477,440
7 Claims. (Cl. 261—16)



1. An apparatus of the character described, having, in combination, an intake manifold, a

plurality of conduits in communication with the intake manifold, a liquid fuel supply device in communication with one of the conduits, and a fluid control device connected with the other conduit, said device comprising a plurality of fluid conducting passageways, a double acting valve for controlling the flow of fluid through said passageways, a flexible member having communication with the intake manifold for controlling the operation of said valve, and a screen surrounding the control means, said screen being adapted to clean one of the fluids prior to its admission to the fluid conducting passageways.

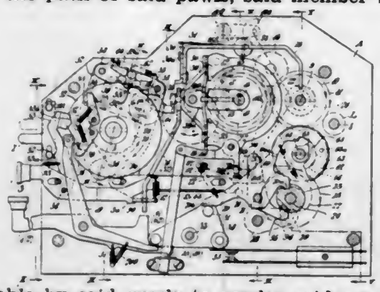
2,068,898
CIRCUIT CONTROLLING APPARATUS
Alf E. Anderson, Milton, Mass.
Application February 15, 1934, Serial No. 711,378
7 Claims. (Cl. 200—17)



1. In an apparatus of the character described, in combination, an oscillating lever, a shaft on which said lever is mounted, a contact member carried by said lever, a rotatable disk mounted on said shaft and provided with sets of oppositely arranged teeth, a ring loosely mounted on said toothed disk to be rotated thereon and provided with sets of cams co-operating with the sets of teeth on said disk to cover and uncover said sets of teeth, pawls carried by said oscillating lever and co-operating with said toothed disk to effect movement of said lever in opposite directions by rotation of said toothed disk, a cam bar mounted on said toothed disk to move substantially radially thereon and co-operating with said cam ring to rotate said ring on said toothed disk in opposite directions, means for holding said cam bar and said cam ring against accidental movement, and means for oscillating said toothed disk.

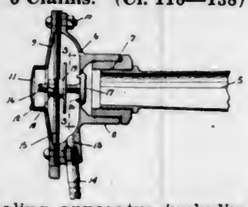
2,068,899
CALCULATING MACHINE
Rolf Erik Annerén and Bengt Carlström, Atvidaberg, Sweden, assignors to Aktiebolaget Facit, Atvidaberg, Sweden, a corporation of Sweden
Application November 13, 1933, Serial No. 697,710
In Germany March 30, 1933
16 Claims. (Cl. 235—79)

1. In a calculating machine having a unidirectional motor, an actuator adapted to be rotated in either direction and a shaft operative to rotate said actuator; a releasable and reversible transmission between said motor and said shaft, zerozing mechanism for said actuator, a pair of pawls on said actuator, stops on said actuator for said pawls, resilient means engaging said pawls against said stops, and an adjustable member movable into the path of said pawls, said member being



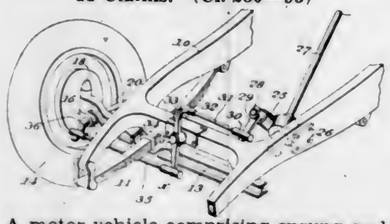
movable by said pawls to render said zerozing mechanism operative.

2,068,900
HORN
Emanuel Aufiero, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application September 27, 1935, Serial No. 42,381
6 Claims. (Cl. 116—138)



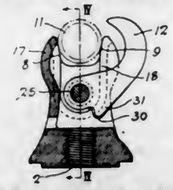
1. A signaling apparatus including, in combination, a housing formed with a pair of openings, a diaphragm mounted by said housing, a valve connected to said diaphragm and extending adjacent and in sliding contact with the walls defining one of said openings, the other of said openings being intended for connection to a source of fluid having a pressure different from that existing in such housing, and means for confining the movements of said valve to a straight path.

2,068,901
VEHICLE STEERING MECHANISM
Dana K. Badertscher, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 16, 1935, Serial No. 50,108
11 Claims. (Cl. 280—95)



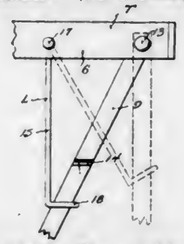
1. A motor vehicle comprising sprung and unsprung portions, said unsprung portion including road wheels adapted to be turned to steer the vehicle, and means operative, when said vehicle is subjected to a force changing the relations between the sprung and unsprung portions of the vehicle thus tending to deviate the vehicle from a desired direction of travel, to turn said wheels a given amount to steer the vehicle to oppose said deviation and operative, when said force is removed, to turn said wheels said given amount in the opposite direction.

2,068,902
SUPPORT FOR PIPES, HANDRAILS, OR OTHER LIKE OBJECTS
James G. Blunt, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application August 16, 1935, Serial No. 36,466
4 Claims. (Cl. 248—74)



1. A support for a pipe, hand rail or other like object comprising a body; means carried by said body adapted for engagement with said object; a pivot pin carried by said body; a clamp for securing said object in its engaged position carried by said pin for pivotal and longitudinal movements relative to the axis of said pin whereby, by said pivotal movement, said clamp is adapted to be swung to its securing position; and means operable by said longitudinal movement of said clamp for holding said clamp in its securing position.

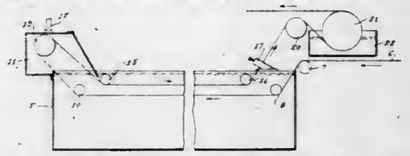
2,068,903
FOLDING TABLE LEG
William M. Boenning, Manitowoc, Wis.
Application May 9, 1936, Serial No. 78,826
2 Claims. (Cl. 311—98)



1. In a folding table, the combination, a table top including side rails, a bracket connected to said rails, and a table leg pivotally connected to the bracket, of a latching device for the leg including a brace formed from a single length of resilient material, means pivotally connecting the inner end of the brace to one of the rails in spaced relation to the pivot point of the leg, a loop formed on the outer end of the brace loosely fitted about the leg and slidably mounted thereon, a portion of said loop being normally urged into frictional contact with one side of the leg by the inherent resiliency of said brace, and means on said leg for automatically receiving said portion of the loop when the leg is swung to its extreme, open, extended position to hold the leg against further accidental swinging movement.

2,068,904
GALVANIZING PROCESS
Albert F. Bradley, Sterling, Ill., assignor to Northwestern Barb Wire Company, Sterling, Ill., a corporation of Illinois
Application May 7, 1934, Serial No. 724,305
3 Claims. (Cl. 91—70.2)

1. The process of producing a non-brittle galvanized ferrous metal article which comprises exposing a ferrous metal base to the action of a molten zinc bath until a thin coating of ferro zinc alloy is formed on the base, cooling the coated base in a non-oxidizing atmosphere to freeze

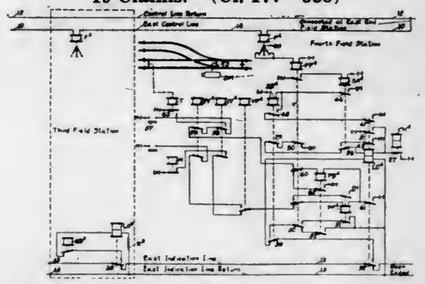


the coating thereon, exposing the cooled coated base to the action of a molten zinc bath to form a relatively thick coating of pure zinc over the thin ferro zinc alloy coating, removing excess zinc from the article and cooling the article to freeze the zinc thereon.

2,068,905
PROCESS FOR PREPARING ETHER ACIDS
Herman A. Bruson, Germantown, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application January 6, 1936, Serial No. 57,731
6 Claims. (Cl. 260—112)

1. The process for preparing ether acids which comprises treating an anhydrous mono-hydric alcohol with an alkali metal monoxide to form a solution of the alkali metal alcoholate containing the hydroxide of the alkali metal, adding an anhydrous neutral ester of a halogenated carboxylic acid to said solution and heating to simultaneously condense said ester with said alcoholate and saponify the resulting ether acid ester.

2,068,906
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Charles S. Bushnell and Frederick W. Brixner, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application November 3, 1932, Serial No. 640,990
19 Claims. (Cl. 177—353)



1. In a remote control system, a control office, a plurality of field stations, a control line circuit connecting the control office with said field stations, one indication line circuit connecting the control office with a part of the field stations, another indication line circuit connecting the control office with another part of the field stations, means causing a series of impulses to be applied to said control line circuit when either or both of said indication line circuits is energized, control line circuit repeating relays marking the end of an initiating period upon the repeating of the first impulse of said series, slow acting control line circuit repeating relays mark-

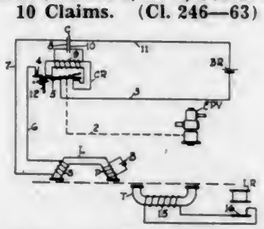
ing the end of the lock-out period upon repeating the first impulse of said series, means in the control office effective during the initiating period to determine which indication line circuit is to be employed, and means at each field station effective during the lock-out period to select that field station nearest the control office on that particular indication line circuit which is selected during said initiating period, whereby only one field station is in communication with the control office during any one series of impulses on the control line circuit.

2,068,907

AUTOMATIC TRAIN CONTROL SYSTEM

Charles S. Bushnell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 5, 1935, Serial No. 43,703
10 Claims. (Cl. 246—63)



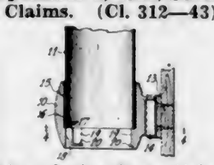
1. In a train control system of the type described; the combination with a relay having a front contact, a secondary coil contained on a partial magnetic circuit containing a unidirectional magneto-motive force, and source of direct current on a railway car; of a circuit including the winding of said relay, said contact, said secondary coil and said source of direct current in series; an inductorium at a control point along the track for inducing a voltage in said secondary coil upon passage of said partial magnetic circuit by said inductorium; and a condenser connected directly across the winding of said relay.

2,068,908

DISPENSING DEVICE

Eugene Conti, Mount Vernon, N. Y., assignor to Herz Cup Company, Incorporated, New York, N. Y., a corporation of New York

Application September 8, 1934, Serial No. 743,220
5 Claims. (Cl. 312—43)



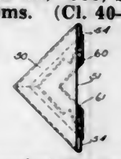
1. A dispensing device for articles with resilient beads, comprising a rigid tubular body member, a plurality of relatively narrow longitudinal rigid ribs spaced about the circumference of the inside of the member, said ribs being spaced apart circumferentially far enough and extending inward from the inner wall of the body member far enough to allow free outward distortion of the rim and being long enough axially to guide the beads of several articles, and abrupt ledges disposed below the upper ends of said ribs and arranged in a common trans-axial plane for supporting and segregating the articles, as they are dispensed, said ledges being rigid and integral with said ribs, and having flat horizontal surfaces without inclination extending over substantially their entire upper areas but being rounded on their upper inner edges sufficiently to eliminate sharpness.

2,068,909

TRANSPARENT MOUNTING CORNER

Albert W. Engel, Chicago, Ill.

Application March 23, 1933, Serial No 662,231
9 Claims. (Cl. 40—158)



7. A mounting pocket composed of a top wall of transparent sheet material with flaps of said material folded under and along two sides of the pocket and having respectively, at their inner ends, terminals which project toward each other, forming, back of said terminals, recesses in the oppositely facing edges of the flaps, and a single layer of gummed fibrous sheet material adhesively secured to said flaps extending across the gap between said recessed facing edges with its gummed surface exposed through said gap for adhesive attachment to the surface of another element with which the pocket is to be employed, whereby such attachment locks the flaps and thereby the top wall of the pocket against edgewise withdrawal.

2,068,910

PROCESS FOR CANNING OATMEAL PORRIDGE

Elizabeth C. Forbes, Fallston, Md.

No Drawing. Application December 21, 1935, Serial No. 55,679
2 Claims. (Cl. 99—182)

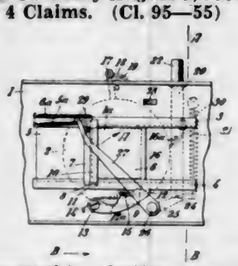
1. Process for canning oatmeal porridge comprising boiling the oatmeal in water in mass with agitation until danger of lumping is past, transferring the mass to cans without substantial lowering of temperature, sealing the cans, processing the sealed product by boiling at a temperature above the boiling point of water but not above 230 degrees F. until thoroughly cooked, and slowly cooling the product down to room temperature through a time period approximating thirty minutes.

2,068,911

PHOTOGRAPHIC SHUTTER

Leo Goldhammer, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application August 7, 1935, Serial No. 35,026
In Germany August 9, 1934
4 Claims. (Cl. 95—55)



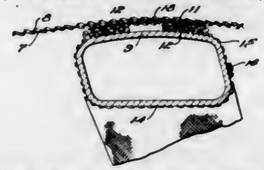
1. A photographic shutter comprising slide shutters comprising a leader and a follower, resilient means for maintaining said slide shutters in normal position, means for sliding said slide shutters against the action of said resilient means, a sector shutter tensioning mechanism and a sector shutter release mechanism, means for actuating said sector shutter tensioning mechanism in operative connection with said means for sliding said slide shutters, means for maintaining said slide shutters in the position to which they are moved by said sliding means, and means controlled by said sector shutter release mechanism for releasing said slide shutters.

2,068,912

LISTING

Otto F. Graebner, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application June 20, 1936, Serial No. 86,301
8 Claims. (Cl. 296—118)



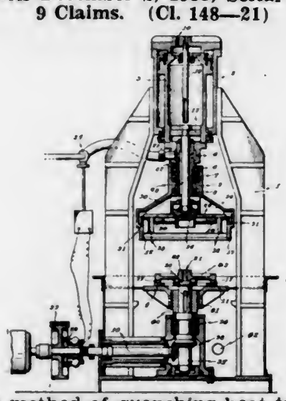
1. A listing strip adapted for use in top constructions comprising a single section of fabric material having parallel sections thereof folded upon itself and stitched to provide parallel areas of a plurality of thicknesses and projecting edges adapted for securement to the bow of said top.

2,068,913

CENTRIFUGAL QUENCHING

Hendrick J. Gregg, Waterloo, Iowa

Application December 2, 1935, Serial No. 52,563
9 Claims. (Cl. 148—21)



1. The method of quenching heat treated circular articles which consists in surrounding such articles with a rotating ring of quenching fluid and enlarging the ring of fluid inwardly against centrifugal force and thereby quenching the article radially from the periphery toward the center.

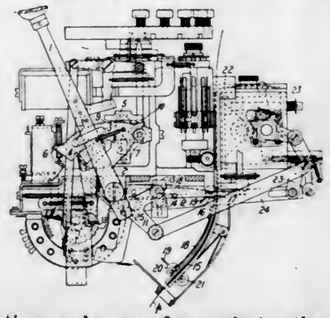
2,068,914

TICKET PRINTING AND ISSUING MACHINE FOR TOTALIZATORS

John Handley, London, England

Application August 29, 1936, Serial No. 98,521
In Great Britain January 9, 1935
4 Claims. (Cl. 271—2.5)

1. A strip-feeding mechanism for a ticket-printing machine comprising an oscillatable arm, a toggle device carried by said oscillatable arm, at least one member of said toggle device being spring-urged to cause said member to grasp a strip of material when the toggle device is moving in



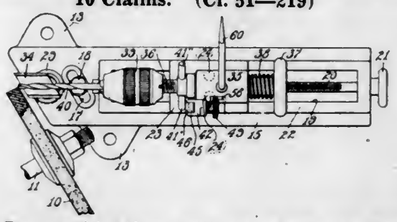
one direction, and means for rendering the spring means ineffective when the toggle device is moving in the opposite direction, whereby reciprocation of said toggle device causes an intermittent feeding of said strip.

2,068,915

DRILL GRINDING APPLIANCE

Gordon D. Hardin, Louisville, Ky.

Application July 21, 1932, Serial No. 623,720
10 Claims. (Cl. 51—219)



1. In combination with a grinding wheel, means for properly positioning a drill to be ground on said wheel, comprising a foot member fixedly positioned with respect to said wheel, a base member, cooperating guide means on said foot member and on said base member for guiding movement of said base member, when associated with said foot member, along a line parallel with a plane face of said wheel, a carriage mounted on said base member, means for moving said carriage, upon said base member, on a line intersecting said wheel face in an acute angle, drill-holding means carried by said carriage, and means for reciprocating said drill-holding means in both directions with respect to said carriage, along said last-mentioned line, upon rotation of said drill-holding means in one direction, said last-named means including a cam.

2,068,916

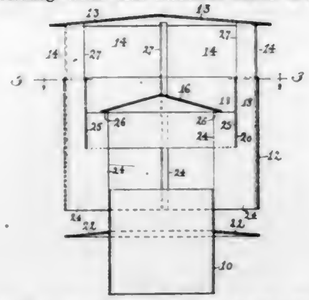
VENTILATOR

Thomas A. Heppenstall, Cheshire, England, assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 2, 1934, Serial No. 751,199
In Great Britain February 5, 1934
2 Claims. (Cl. 98—84)

1. In a ventilator of the character described, in combination, a suction band open at its top and bottom, an eduction pipe extended up into the suction band, a cover member for said suction band located above and separated from the top of said suction band, a deflecting member below

the open bottom of said suction band and spaced therefrom, a conical rain baffle above the eduction pipe forming with the suction band a gas outlet



within the latter, and a cylindrical second rain baffle located in the gas outlet within the suction band and extended above and below the lower edge of the said conical rain baffle.

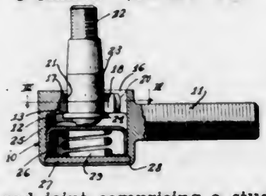
2,068,917

TRIANGULAR SOCKET JOINT

George H. Hufferd, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application November 9, 1935, Serial No. 48,999

8 Claims. (Cl. 287—90)



8. A tie-rod joint comprising a stud having a cylindrical bearing portion, three seating blocks disposed around said cylindrical bearing portion in spaced relation to each other, said seating blocks having inner segmental cylindrical bearing faces in bearing engagement with the cylindrical portion of the stud, a housing having three converging walls at one end thereof for receiving the seating blocks in tiltable relation thereto, and means in said housing urged against the end of said stud for maintaining the joint elements in operative assembly.

2,068,918

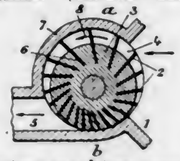
ROTARY PISTON MACHINE

Emil Kägi, Winterthur, Switzerland, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland

Application November 23, 1933, Serial No. 699,366

In Switzerland July 7, 1933

3 Claims. (Cl. 103—135)



1. A rotary piston machine comprising a casing having an inlet and an outlet, a rotary piston eccentrically arranged within the casing, blades carried by said rotary piston, said blades being circumferentially spaced apart and movable inwardly and outwardly of said piston as it rotates, the circumferential distances between adjacent blades being not all equal, the angle between any blade and a radius of the rotor at the point thereon where the blade meets the circumference of the rotor differing from the corresponding angle of at least one other blade.

2,068,919

PROCESS FOR THE PRODUCTION OF SOUND RECORDS

Gustav Kögel, Baden-Baden, Germany

No Drawing. Application March 27, 1936, Serial No. 71,336. In Germany November 24, 1934

15 Claims. (Cl. 274—46)

1. A process for the production of sound records, which comprises mechanically producing records on supports comprising in a mixture colloids capable of being tanned and such light sensitive organic compounds as exert a tanning action in the light on the said colloids, and fixing the records by exposure to light.

2,068,920

CASING AND SUPPORTING FOOT STRUCTURE

Wilfred O. Langille, Chester, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application August 15, 1935, Serial No. 36,339

6 Claims. (Cl. 220—69)



1. A hollow casing having two separable sections formed with foot-positioning pockets, and supporting feet having vertical shank portions positioned in said pockets and horizontal terminal shank portions clamped by and between said separable sections.

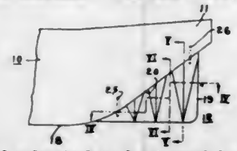
2,068,921

TOWING FIN FOR VESSELS

Alfred C. Leigh, Birmingham, Ala., assignor to Ingalls Iron Works Company, a corporation of Delaware

Application March 21, 1936, Serial No. 70,103

8 Claims. (Cl. 114—140)



1. A vessel adapted to be towed having bottom plating and laterally divergent towing fins attached substantially symmetrically with respect to the center line of the vessel to said plating under the vessel's stern quarters, said fins having external projections which are disposed to produce a drag and which are confined to the relatively divergent lateral fin sides that face outwardly.

2,068,922

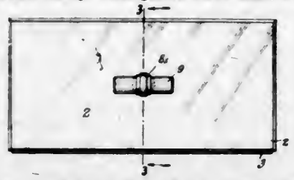
HANDLE CONSTRUCTION

Adolph Marchand, Jackson Heights, N. Y.

Application October 7, 1936, Serial No. 104,398

4 Claims. (Cl. 16—110)

1. A handle construction in combination with a glass-faced body, comprising a plate secured to the body rearwardly thereof, a shank member secured to the plate and projected forwardly through said body and glass face and beyond the



front surface of the glass face, a handle secured to the shank member, and an apertured filling member surrounding the shank member in abutment with the glass face and the handle.

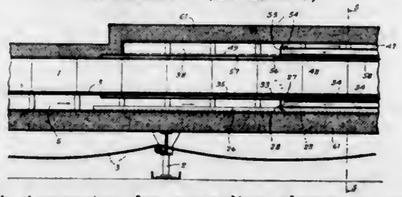
2,068,923

METHOD OF AND APPARATUS FOR ANNEALING GLASSWARE

Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application November 8, 1935, Serial No. 48,799

15 Claims. (Cl. 49—47)



14. Apparatus for annealing glassware, comprising an elongate tunnel, means for cooling the glassware passing through the tunnel, including a conduit extended longitudinally thereof in the cooler portion of the tunnel, means for supplying a gaseous cooling medium to said conduit adjacent to the exit end of the lehr, a plurality of nozzle openings from said conduit to the interior of said tunnel disposed along the length of said conduit, and means adjustable longitudinally of said conduit for adjustably limiting the distance the gaseous cooling medium can flow along said conduit toward the hotter end of the lehr before being discharged therefrom for predetermining the point of initiation of accelerated cooling of the ware in its passage through the tunnel.

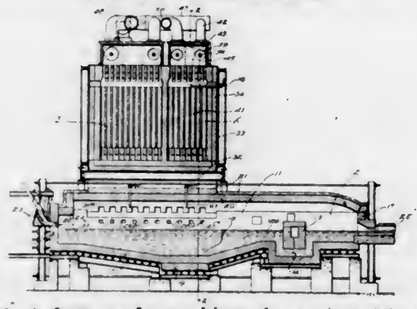
2,068,924

REGENERATOR TANK AND METHOD OF OPERATING THE SAME

Vergil Mulholland, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application December 2, 1932, Serial No. 645,347

39 Claims. (Cl. 49—54)



31. A furnace for making glass, comprising a container for holding a bath of glass up to a predetermined level therein, a plurality of separately controllable firing systems including regenerators for supplying heat principally to different zones in the furnace in which melting and refining of the glass take place, and means for regulating the heat input from each of said firing systems in response to the temperature conditions in the zones principally supplied by said systems respectively.

33. The process of producing molten glass consisting in first subjecting the glass batch to a relatively low temperature until the ingredients are in substantially complete solution, then subjecting the molten glass to a relatively higher temperature to effect the release of seeds therefrom, and in then cooling the glass.

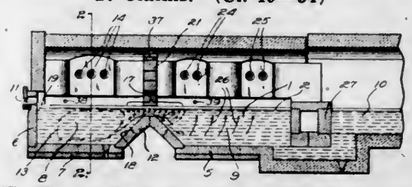
2,068,925

GLASS MAKING APPARATUS AND METHOD

Vergil Mulholland, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application June 13, 1934, Serial No. 730,441

17 Claims. (Cl. 49—54)



17. The method of making glass in a continuous tank, which comprises establishing a pool of molten glass divided below its surface into a melting zone and a refining zone, supplying glass-making materials to the end of the melting zone distant from the refining zone, applying flame from one heating source to the glass in the melting zone to fuse the glass-making materials supplied thereto and to create an orbital convection circulation moving on the surface of the glass in the melting zone toward the end thereof at which the glass-making materials are fed, passing fused glass out of said circulation over the division into the refining zone, applying flame to the refining zone from a separate heating source to create convection circulation in the refining zone distinct from the circulation in the melting zone, and regulating the application of heat from said heating sources and the rate of supply of glass-making materials to produce glass of good commercial quality at a rate at least as high as one ton of glass per twenty-four hours for every six square feet of glass surface in the melting and refining zones.

2,068,926

METHOD OF MAKING ARTIFICIAL LUMBER

James V. Nevin, Aberdeen, Wash.

No Drawing. Application August 27, 1934, Serial No. 741,744

9 Claims. (Cl. 92—21)

1. The method of making artificial lumber and the like from waste raw cellulosic material, which comprises mechanically disintegrating woody waste in a wet state to produce a wet fibrous mass of the woody material in its natural uncooked state, incorporating into said mass an aqueous solution of synthetic resin forming ingredients, reacting the resin forming ingredients to produce a partial condensation product, agitating said mass to thoroughly impregnate the fibers with said partial condensation product, flowing said fibrous mass onto a draining surface to obtain a felted

mat of fibers, partially drying said felted mat and subjecting said felted mat to sufficient heat and pressure to convert said partial condensation product into an infusible resin binding the fibers together.

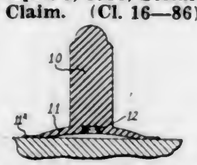
2,068,927
HYPODERMIC SYRINGE
Mendel Nevin, Brooklyn, N. Y., assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York
Application July 3, 1926, Serial No 120,417
6 Claims. (Cl. 128—218)



2. A hypodermic syringe comprising a frangible ampul having a pointed front end, a stopper for its rear end, and a plunger having its head of greater diameter than its shank and of considerably lesser diameter than the bore of the ampul, said stopper having a central recess for receiving the plunger head and permitting the partial collapse of the surrounding walls of the recess to facilitate the movement of the stopper along within the ampul.

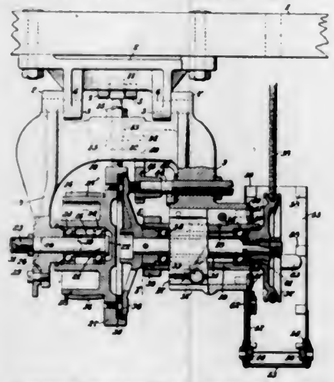
6. A loading assembly for a hypodermic syringe having a tapered forward end, said assembly comprising an ampul having a tapered end and a slidable plug closure at the other end, and a resilient tapered collar of greater length than thickness adapted to fit around and cover a major portion of the tapered part of the ampul, and to serve, when the assembly is in place in said syringe, as a seal between the tapered portion of the ampul and the tapered end of the syringe.

2,068,928
DOOR STOP OR CHECK
Salvatore Paolillo, New Haven, Conn, assignor to The Seamless Rubber Company, Inc., New Haven, Conn., a corporation of Massachusetts
Application April 8, 1936, Serial No. 73,312
1 Claim. (Cl. 16—86)



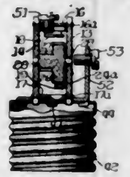
An all-rubber door check or stop comprising a relatively rigid post portion and a cup-shaped flexible skirt portion formed integrally therewith, said post portion being relatively long as compared with its cross-sectional dimension and being of constant cross-sectional area substantially throughout its length, and the wall of said skirt portion tapering in thickness from its connection with the post to its outer edge, and said post portion having a recess at its lower end opening into the cup of said skirt portion.

2,068,929
POWER-TRANSMITTER
Wilbur J. Peets, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application July 27, 1935, Serial No. 33,547. Divided and this application October 5, 1935, Serial No. 43,661
3 Claims. (Cl. 192—18)



1. A power-transmitter comprising a transmitter frame having downwardly extending arms formed at their lower ends with coaxially bored apertures, a stationary stud-pin received in the aperture of one of said arms and having at its inner end a head disposed between said arms, a pair of conventional ball-bearings mounted on said stud-pin, said ball-bearings each having inner and outer race rings and a series of balls between such rings, a spacing sleeve on said stud between the inner race rings of said ball-bearings, means for tightening the head of said stud against the inner race ring of the adjacent ball-bearing, a combined live clutch-disk and belt-pulley mounted on the outer race rings of said ball-bearings, connected driven clutch-disk and belt-pulley elements journaled in the other of said frame arms with their axis coaxial with the aperture of said last mentioned arm, and manually controlled means for establishing and interrupting driving relation between said driving and driven clutch elements.

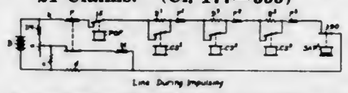
2,068,930
LAMP SOCKET
Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana
Application July 30, 1932, Serial No. 627,038
17 Claims. (Cl. 173—354)



16. An electric switch having a pair of independently pre-assembled units, with one of said pre-assembled units comprising a rigid frame, switching mechanism rotatably supported within said frame, and the other of said pre-assembled units comprising a screw shell, an assembly member rigidly secured to said screw shell having clamping means for engaging the frame of said

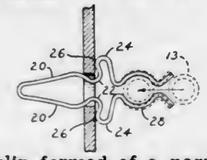
first pre-assembled unit upon bringing said units together, to rigidly secure said first unit on said second unit.

2,068,931
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 28, 1934, Serial No. 722,892
21 Claims. (Cl. 177—353)



1. In a centralized traffic controlling system, a control office and a plurality of field stations connected by a line circuit, step-by-step mechanism at said office and at said stations operated in synchronism through a cycle by a plurality of impulses applied to said line circuit, a message receiving relay connected to said line circuit in said office, means at each of said stations for selectively connecting a resistance in said line circuit at each step of said cycle, means responsive to said selective connection for selectively energizing said relay when a station is transmitting, means in said office controlled at each step of said mechanism for preventing the flow of current through the winding of said relay when said line circuit is deenergized and when said line circuit is energized with said resistance excluded, and means responsive to the energized and deenergized conditions of said relay at each step of said cycle for registering the identity of the calling station in said office.

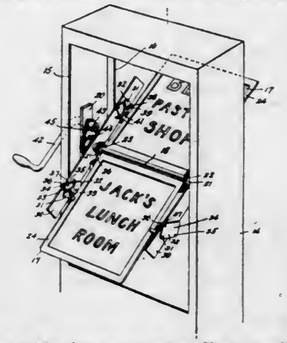
2,068,932
FASTENING DEVICE
Bert L. Quarnstrom, Grosse Pointe Farms, Mich.
Application August 5, 1935, Serial No. 34,716
3 Claims. (Cl. 24—73)



1. A spring clip formed of a narrow strip of spring stock bent generally into the form of a U having complementary resilient legs diverging as they extend away from the closed end of the U and then converging to a contracted throat, said legs shaped to provide a second contracted throat spaced from the first contracted throat toward the free ends of the legs by complementary loops formed in said legs extending outwardly to a maximum spread and slightly overhanging the first mentioned contracted throat, said legs provided between the second contracted throat and the free ends of the legs with complementary outwardly convex gripping portions adapted to be spread resistingly apart to receive an element therebetween.

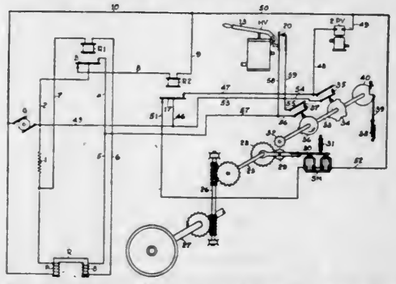
2,068,933
DISPLAY APPARATUS
Paul J. Sanders, Maplewood, N. J.
Application September 28, 1935, Serial No. 42,552
16 Claims. (Cl. 40—104)

1. In a display device, the combination of a conveyor, a rotary support therefor, a plurality of display panels pivotally carried by said conveyor, an arm movable with said support in an arcuate path concentric therewith, a rockable catch pivoted to said arm and having outwardly divergent faces for successively engaging with and swinging said panels from a dependent posi-



tion on one side to an upstanding position and to a dependent position on the opposite side, and means on said catch engageable with a fixed means for rocking said catch to dispose the same in position to successively pick up the display panels.

2,068,934
AUTOMATIC CONTROL SYSTEM FOR LOCOMOTIVE WHISTLES
Percy W. Smith and Charles S. Bushnell, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application October 17, 1934, Serial No. 748,696
8 Claims. (Cl. 246—175)



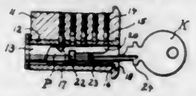
1. In a system for automatically sounding a locomotive whistle upon the approach to a highway crossing, means on the trackway a predetermined distance from a highway, means on the locomotive automatically initiated from the means on the trackway for sounding the locomotive whistle, and manually operable means for sounding the whistle and for rendering said automatic means inactive.

2,068,935
RUBBER COMPOUNDING
Albert A. Somerville, Flushing, N. Y., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 14, 1935, Serial No. 49,737
4 Claims. (Cl. 18—50)

1. In the manufacture of vulcanized rubber products, the improvement which comprises subjecting to vulcanization a rubber compound including a hydroxyquinol, an organic base non-

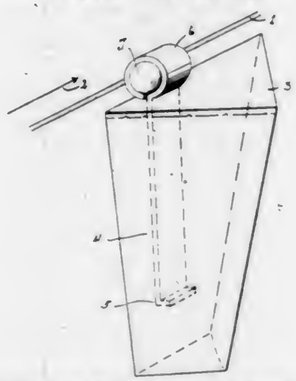
volatile at the vulcanization temperature and miscible with rubber effective to activate the hydroxyquinol as an oxygen absorber and a catalytic anti-oxidant.

2,068,936
CYLINDER KEYWAY GUARD
Albert H. Unterberg, Bronx, N. Y.
Application July 18, 1933, Serial No. 680,902
4 Claims. (Cl. 70—8)



4. A plug and a key complementarily representing a key blank fitting the keyway of a cylinder lock, a bow, stem and bit forming said key, two webs joined at their bases forming said plug, said webs being spaced apart to the combined width of said stem and bit, and a profile matching the bit of said key upon one of said webs.

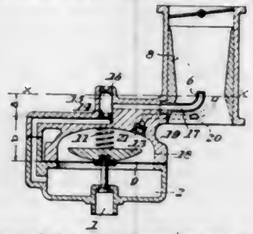
2,068,937
ROAD MARKER
Winston H. Vaughan, Montgomery, Ala.
Application May 3, 1935, Serial No. 19,579
1 Claim. (Cl. 88—79)



In combination with a highway, a concrete post substantially a truncated tetrahedron in shape, a substantially longitudinal reinforcement extending from the lower to the upper part of said post imbedded within one of the angles of said post, said post imbedded in the ground near the edge of said highway and with the reinforced angle of said post nearest said highway and approaching traffic on said highway, and a reflector carried by said reinforcement and directed towards approaching traffic on said highway, substantially as set forth.

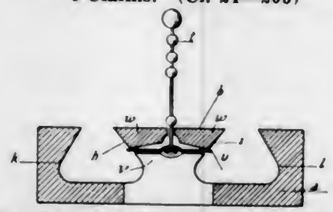
2,068,938
REGULATOR FOR THE FUEL PRESSURE IN INTERNAL COMBUSTION ENGINES
Louis Léon Viel, Ville d'Avray, France, assignor to Société Générale des Carburateurs Zenith, Levallois-Perret, France
Application April 28, 1931, Serial No. 533,457
In Belgium May 1, 1930
5 Claims. (Cl. 137—153)

1. A regulator for the pressure of the fuel feeding an internal combustion engine, which comprises a fuel passage, a reservoir receiving fuel therefrom, a valve controlling fuel flow from said passage into said reservoir, a membrane element forming a partial closure for said reservoir and responsive to fluid pressures, said membrane being connected with said valve, a fuel outlet from said reservoir at a point lying



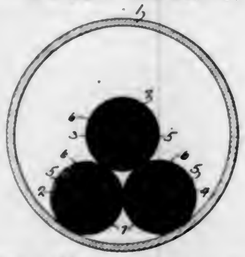
in a line normal to said membrane and passing through the center of gravity thereof, and means for predeterminately loading said membrane, said means comprising a weight and a spring cumulatively effective on said membrane.

2,068,939
SLIDE FASTENER
Martin Winterhalter, Wuppertal-Barmen, Germany
Application February 10, 1934, Serial No. 710,695
In Germany February 10, 1933
4 Claims. (Cl. 24—205)



2. In a fastener of the class described the combination of opposed series of fastener elements and a slider operable therealong for interlocking and releasing same, said slider having a central channel with divergent branches and a spreader between and separating the branches, and a releasable spring lock within the spreader for engaging the fastener elements to hold the slider against movement therealong.

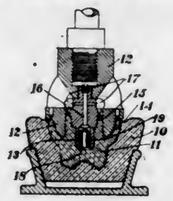
2,068,940
ELECTRIC CABLE
Robert J. Wiseman, Paterson, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application June 23, 1934, Serial No. 732,003
1 Claim. (Cl. 247—3)



An electric cable system comprising in combination a conventional rubber insulated cable conductor, a metal pipe of substantially greater cross section than the conductor loosely enclosing

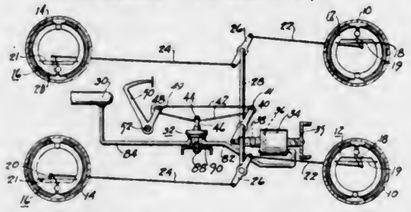
the insulated conductor and a mixture of nitrogen and helium in direct contact with the conductor insulation filling the space in said pipe unoccupied by the insulated conductor.

2,068,941
PROCESS AND APPARATUS FOR MANUFACTURING INSULATORS
Floyd G. Bovard, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application August 29, 1934, Serial No. 741,983
12 Claims. (Cl. 25—3)



1. The method of forming a threaded opening in plastic material which comprises the steps of first forming an unthreaded opening in said material and then feeding a threading die into said unthreaded opening, maintaining the outer surface of said threading die in contact with the inner surface of said opening entirely around the periphery of said opening during said feeding operation and thus substantially preventing escape of air between the outer surface of said threading die and the inner surface of said opening pressing the material of the wall of said opening into thread formation by means of said die and venting said opening to atmosphere through said threading die during the entrance and removal of said die.

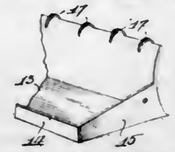
2,068,942
POWER OPERATOR CONTROL MECHANISM
Robert P. Breese, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 18, 1934, Serial No. 721,177
2 Claims. (Cl. 188—152)



2. In apparatus for the control of a pneumatic power device, a manually controlled lever, a valve, a continuous belt cable connected to said lever, a member offering resistance to which another portion of said cable is connected, and means operated by the cable in tensioning for actuating said valve.

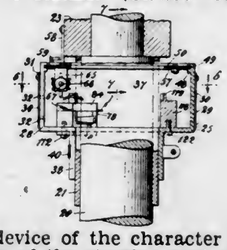
2,068,943
CARPET SWEEPER DUSTPAN
Earl Callan, Glendale, Calif.
Application December 19, 1934, Serial No. 758,211
6 Claims. (Cl. 15—41)

2. In a carpet sweeper, a pan comprising a bottom, end walls, an outer side wall and a relatively high inner side wall that is curved to conform with the curvature of the periphery of the rotary brush of a carpet sweeper, the lower portion of which curved inner side wall extends in-



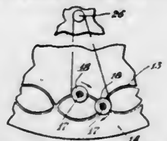
wardly over the pan and hooks projecting from the upper portion of said curved side wall, which hooks extend inwardly over the pan.

2,068,944
ELECTRIC CIRCUIT SWITCH CONTROLLING DEVICE
Alexander H. Chapleau, Newark, N. J., assignor of forty per cent to Walter Chapleau, Bayonne, N. J.
Application December 29, 1934, Serial No. 759,648
5 Claims. (Cl. 200—59)



1. In a device of the character described the combination of the steering post of a vehicle, a stationary steering post housing encircling the steering post, a switch housing connected to the steering post housing, an annular rotatable controlling plate at the upper end of the switch housing, connecting means between said plate and the steering post, a housing fastened to and depending from the controlling plate, a shaft journalled in the latter housing, a switch control wheel fastened to the shaft, a long arm and a plurality of short arms integral with the switch control wheel, electric switches supported in the steering post housing and means coacting with said arms when said steering post is turned to locate said long arm to coact with said switches to open or close the same.

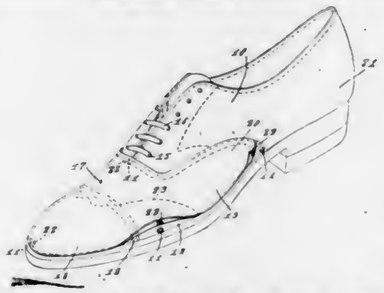
2,068,945
CARRIER FOR BRAIDING MACHINES
William E. Cook, West New Brighton, N. Y.
Application April 6, 1934, Serial No. 719,249
7 Claims. (Cl. 96—13)



1. A carrier for braiding machines embodying therein a base, provided with a vertical spindle, a cop rotatably mounted thereon, and means whereby travel may be imparted to the carrier, an upright paralleling said spindle having an eye therethrough intermediate the ends thereof, and a second eye adjacent the top thereof, and means for controlling the run of yarn from the cop and for applying tensioning stresses to said yarn consisting in a traveler mounted upon said upright and having free vertical movement thereon to-

ward and from said second eye, and about which the yarn passes in its run from said intermediate eye to said second eye, a buffer spring above and terminating adjacent, said intermediate eye, and a retard member frictionally engaging yarn wound upon a cop upon said spindle, and a take-off bar, a spacer bar and a retard bar extending respectively parallel with said spindle and spaced substantially 90° apart, and from said upright, said rods being of substantially the same height as the spindle whereby after leaving the cop, the yarn is guided about and held out of contact with the cop, and is permitted to have a free vertical run between the top and the bottom of the cop.

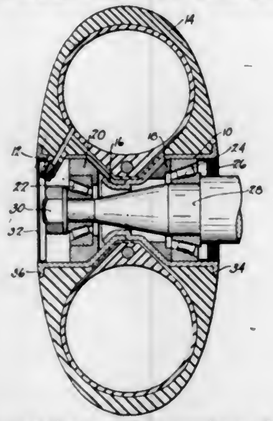
2,068,946
ATTACHMENT FOR FOOTWEAR
Robert Ferguson, Flint, Mich.
Application August 28, 1935, Serial No. 38,284
1 Claim. (Cl. 36—1)



The combination with a laced shoe, of studs extending all the way around the toe and the vamp of the shoe at the welt, a stud disposed on the vamp contiguous to the lowermost lacing eyelets of the shoe, a U-shaped blank of flexible material of different color than the shoe comprising a toe portion adapted to conform to the contour of the toe of the shoe, a vamp portion, rearwardly extending wings on the vamp portion, said vamp portion and wings being adapted to conform to the contour of the entire vamp of the shoe and to extend to about the front edge of the heel counter of the shoe, sockets on the lower marginal edge of the toe and on the entire lower marginal edge of the vamp and wings of said blank adapted to snap over the studs of the shoe at the welt, and a socket on the upper marginal edge of the vamp of the blank adapted to engage said stud located below said lacing eyelets.

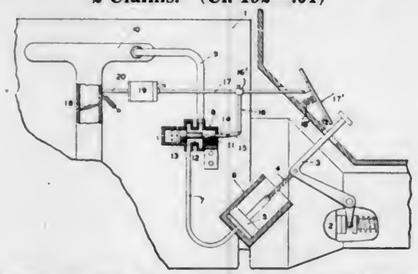
2,068,947
WHEEL
Frederick C. Frank, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 2, 1933, Serial No. 691,753
3 Claims. (Cl. 152—20)

1. A streamlined tail wheel for an airplane having two interengaging annular members, a tire, a radially extending flange at one end of each of the annular members designed to engage a portion of the tire, a section of reduced diameter at the other end of each of the annular members, a portion of one of the annular members being of lesser diameter than the corresponding portion of the other member, the portion of lesser diameter being of suitable length to project through the portion of larger diameter and enlarged into engagement therewith to securely fix the two annular members together, a stub axle, and means between the axle and the annular members to transmit force from the wheel to the



axle and to urge the annular members of the wheel toward each other with a force proportional to the force exerted upon the axle.

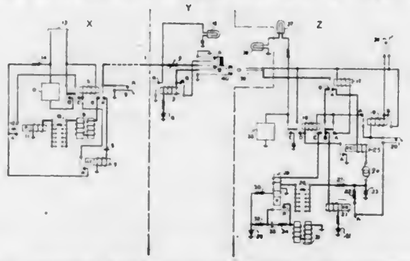
2,068,948
CLUTCH CONTROL
Walter R. Freeman, Jay, Okla., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application March 12, 1932, Serial No. 598,375
2 Claims. (Cl. 192—.01)



1. The combination with a motor vehicle having an engine, a throttle valve for said engine, a throttle valve actuating mechanism and a clutch, power means including a valve for disengaging the clutch, said power means and valve being controlled by said actuating mechanism and the clutch being disengaged when said actuating mechanism is in off position, means connecting the actuating mechanism and the throttle valve and comprising a pair of relatively movable members, and means for controlling the relative movement of said members comprising a ported cylinder connected to one of said members, a piston connected to the other of said members, and a diaphragm member interconnecting said piston and cylinder.

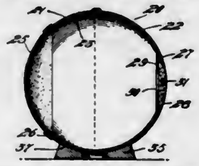
2,068,949
REMOTE CONTROL OF PRINTER MOTORS
Frederick G. Hallden, Bellerose, N. Y., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 25, 1931, Serial No. 518,123
12 Claims. (Cl. 178—4.1)

1. In a communication system, a first station, a source of alternating current at said station, a second station, a printer and a printer motor at said station, a two conductor line normally open to direct current connecting said stations, an alternating current relay at said second station responsive to current from said source when the latter is connected to said line, and a relay in a



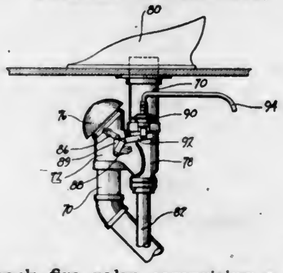
local circuit at said second station, responsive to the operation of said alternating current relay, for closing said line to direct current over a circuit including said printer and for starting said printer motor, both the alternating current circuit and the direct current circuit including both sides of said two conductor line.

2,068,950
OPTICAL EDUCATIONAL DEVICE
Frederick Hamilton, Glocester, R. I.
Application February 28, 1935, Serial No. 8,607
7 Claims. (Cl. 35—17)



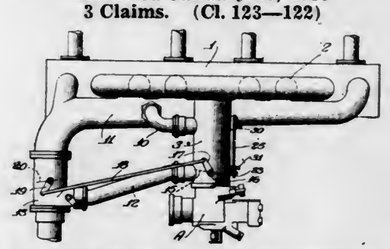
1. In an optical device for producing and displaying objective images, a superficially curved body including a lens portion, a convex translucent screen portion diametrically opposite the lens portion, and an intermediate portion supporting the lens portion and the screen portion, the periphery of the intermediate portion being opaque.

2,068,951
FUEL SUPPLY SYSTEM
Hans Albert Hansen, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 2, 1932, Serial No. 640,896
6 Claims. (Cl. 123—142)



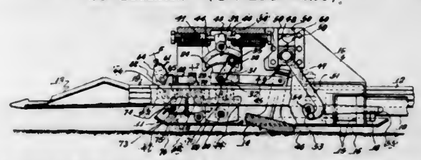
1. A back fire valve comprising a connection to an internal combustion engine intake, an intake port, and a back fire exhaust port, a valve operable by a suction motor connected with the engine intake, at a point near said engine, said valve adapted to connect said intake port with said engine intake at such times as suction exists.

2,068,952
THERMOSTATIC BY-PASS RISER
Frank H. Heitger, Flint, Mich.; Mattie G. Heitger, Flint, Mich., administratrix of said Frank H. Heitger, deceased, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application November 22, 1929, Serial No. 409,069
Renewed January 16, 1935
3 Claims. (Cl. 123—122)



1. In combination, an internal combustion engine, a carbureter therefor, a conduit connected between the outlet of said carbureter and the intake of said engine, means forming a jacket adjacent said conduit, means for passing exhaust gas from said engine through said jacket, means in said conduit for controlling the flow of fluid therethrough, and thermostatic means positioned in heat-exchange relation to said jacket and responsive to temperature changes therein for by-passing fluid through said conduit when said controlling means are closed a predetermined extent.

2,068,953
FEEDING HEAD FOR SHAKER OR JIGGING CONVEYERS
Louis F. Jones, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1935, Serial No. 36,496
20 Claims. (Cl. 198—220)

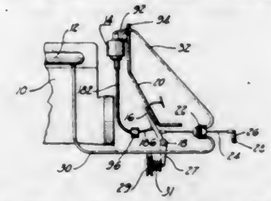


1. In a feeding head for a jigging conveyer and in combination with an extensible trough; a clamping device carried by said head, and means operated by said shaker conveyer for moving said clamping device in and out of clamping position relative to said extensible trough comprising a rocking member engageable with the ground and rocked by reciprocable movement of said conveyer, and an operative connection between said rocking member and clamping device.

2,068,954
CONTROL MECHANISM
Victor W. Kliesrath, South Bend, Ind., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of Indiana
Application August 13, 1934, Serial No. 739,623
1 Claim. (Cl. 192—13)

In a vehicle having a prime mover including a source of vacuum, and a manually operable member, braking means comprising a cross shaft operated by said member, clutch means operated

by said member, a linkage interconnecting said member and the cross shaft, power means for assisting the operation of said manually operable member comprising a chamber, a conduit connecting said chamber to said source of vacuum, a valve in said conduit and interposed in said



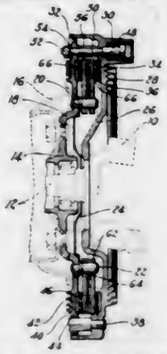
linkage so as to be controlled by said manually operable member, said chamber having a movable wall actuated by differences in vacuum in the chamber, a flexible tension member connecting said movable wall to said manually operable member, and a sheath enclosing said tension member.

2,068,955
REFRIGERATING COIL
Richard W. Kritzer and Anthony F. Hoesel, Chicago, Ill.
Application April 4, 1935, Serial No. 14,668
3 Claims. (Cl. 257—255)



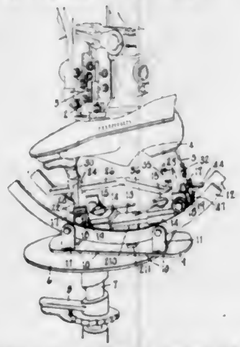
1. In a finned conduit type cooling unit, the combination of a spiral passage adjacent the internal walls of the conduit, a plurality of conduit series circuits manifolded to a single refrigerant inlet and a single refrigerant outlet, and end means to maintain the alignment of the various circuits.

2,068,956
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 18, 1932, Serial No. 599,789
6 Claims. (Cl. 188—72)



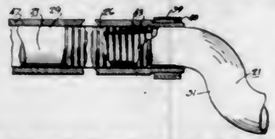
1. A brake structure comprising a disc having a flange, an annular slot in the disc, a liner positioned in the slot, friction means cooperating with said liner, and heat radiating flanges formed on the disc in oppositely disposed relation to the liner.

2,068,957
SHOE JACK
Tien Marcus, Holland, Mich., assignor to Holland Shoe Company, Holland, Mich.
Application March 20, 1936, Serial No. 69,930
20 Claims. (Cl. 1—41)



1. In combination with a vertically operable shoe pegging head, a shoe jack comprising a vertical spindle, a table adjustable on said spindle, a floating plate resting on said table, means for presenting a shoe to said head with the surface to be pegged at right angles to the direction of action of said head, comprising arc-shaped rails mounted on said plate, an adjustable toe rest, and a swinging last pin, toe and heel posts supporting said toe rest and last pin respectively, means permitting transverse rotation of said toe rest and last pin with respect to said posts, comprising a rotatable bushing in said toe post, a stud rotatably mounted in said heel post and carrying said last pin, and a rod engaging said stud and extending through said bushing into fixed engagement with said toe rest whereby said rest and pin are rotatable in unison transversely of said head, means for controlling and halting such rotation, comprising a rack fixed with respect to said heel post and a detent pivotally mounted on an extension of said last pin to selectively engage said rack, means for mounting and longitudinally adjusting the spacing of said toe and heel posts, and pairs of rollers secured to said last named means and extending into rolling engagement with the concave surface of said rails whereby said shoe is longitudinally rockable past said head.

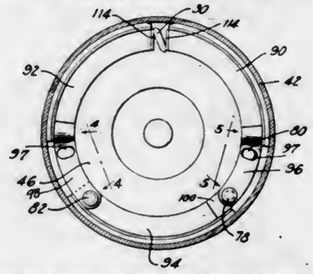
2,068,958
BRAKE
Montgomery W. McConkey, South Bend, Ind., assignor to Bendix Research Corporation, South Bend, Ind., a corporation of Indiana
Application July 18, 1935, Serial No. 32,054
9 Claims. (Cl. 188—152)



1. A fluid conduit subject to localized flexure comprising a unitary metallic member having adjacent integral portions of relatively different

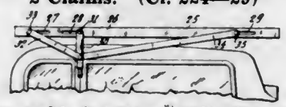
flexure characteristics, and a protective substantially inextensible flexible casing enclosing all of one portion and a part of the other portion, the internal diameter of the casing being substantially equal to the external diameter of the tubing.

2,068,959
BRAKE
Montgomery W. McConkey, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application January 21, 1935, Serial No. 2,652
5 Claims. (Cl. 188—78)



1. A brake shoe having a stiffening web, in combination with a pair of separate parts secured to opposite sides of said web at its end and projecting beyond said end and deflected into engagement with each other to form a double-thickness pivot arm.

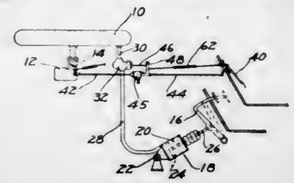
2,068,960
AUTOMOBILE LUGGAGE CARRIER
Charles Rose Northrup and Robert Charles Northrup, Ozone Park, N. Y.
Application December 18, 1935, Serial No. 54,992
2 Claims. (Cl. 224—29)



1. A removable luggage carrier for automobiles comprising a flat carrier member having rails on the sides thereof, each of said rails having a pair of longitudinal end slots and an intermediate longitudinal slot, a post on each side of said carrier having a threaded pin in its upper end slidably mounted in said intermediate slot, said post being adapted to register in the hinge sockets of the automobile doors to support said carrier above the roof of the automobile, a pair of links each mounted at its lower end to the lower part of said post, one of said links being longer than the other, the upper end of said shorter link having a threaded pin slidably mounted in one of said end slots, the upper end of said longer link having a threaded pin slidably mounted in the other of said end slots, nuts on said pins adapted to lock said pins in their respective slots, said carrier being collapsed into a substantially flat mass in one plane by rotating said post into alignment with said rail, which rotation causes said links also to align with said rail.

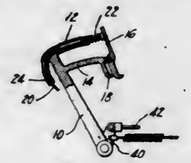
2,068,961
CLUTCH CONTROL MECHANISM
Harold W. Price and Earl R. Price, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 19, 1931, Serial No. 569,596
16 Claims. (Cl. 192—.01)

1. Control mechanism for an automotive vehicle provided with a throttle and a clutch, said control mechanism comprising means for operating the clutch and other means for operating the



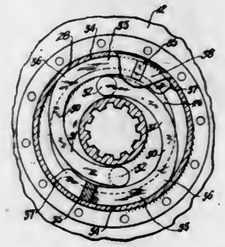
throttle, said throttle operating means comprising an adjustable dashpot for varying the relative timing of operation of the throttle and clutch.

2,068,962
CONTROL MECHANISM
Roy S. Sanford, New York, N. Y., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application April 29, 1935, Serial No. 18,749
1 Claim. (Cl. 74—512)



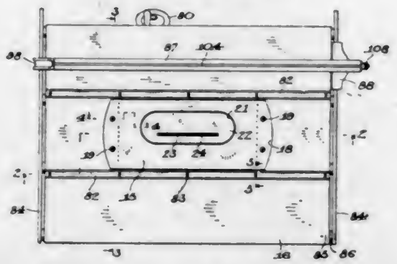
A pedal having parallel parts extending generally in the direction of its movement and one of which is hollow, a Bowden conduit connected to the hollow part, a secondary pedal pivoted on the other part, and a flexible Bowden connection from the secondary pedal extending through the hollow part and through the Bowden conduit.

2,068,963
POWER TRANSMITTING COUPLING
Charles B. Spase, Nedrow, N. Y., assignor to Ira Saks, Cleveland Heights, Ohio
Application August 3, 1932, Serial No. 627,391
2 Claims. (Cl. 192—68)



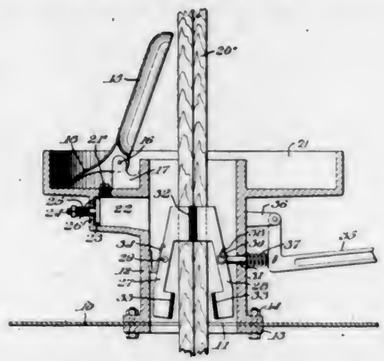
2. In a clutch plate having a hub and disc movable with respect to each other, the combination of a plurality of torque transmitting members connecting said hub and said disc, said members having a relatively rigid contact portion and a yieldable portion, said rigid contact portion being secured to said disc, and said yieldable portion being secured to said hub, an abutment member on said disc normally contacting said contact portions, said yieldable portions being spaced from said abutment member and adapted to press said contact portions thereagainst upon relative movement of said hub and of said disc.

2,068,964
SAW MOUNTING
Herbert E. Tautz, Milwaukee, Wis.
Original application September 27, 1934, Serial No. 745,678. Divided and this application August 21, 1935, Seral No. 37,154
1 Claim. (Cl. 143—33)



In a wood-working machine, the combination of a work table having gage-guiding ways and an opening, and a power tool unit secured to said table and provided with a mounting plate covering said opening and having its upper surface flush with the table surface, said mounting plate shiftably fitting for lateral movement between the opposite sides of said table opening and said unit with its mounting plate being angularly adjustable with respect to said ways about an axis perpendicular to the table top.

2,068,965
OIL FIELD TANK EQUIPMENT
James M. Thomas, Lefors, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Original application August 30, 1932, Serial No. 630,998. Divided and this application September 28, 1934, Serial No. 746,020
5 Claims. (Cl. 220—86)

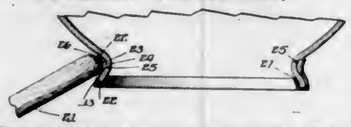


1. A thief hatch for a liquid holding tank, said tank having an opening in its roof through which measurements may be taken, comprising a tubular member secured to said tank in alignment with said opening, and a pan member secured to and horizontally surrounding said tubular member below the upper end of said tubular member, said pan member being provided with an opening in its bottom wall connecting with the interior of said tubular member, said pan member thus serving as a support for measuring instruments and also to collect and return to said tank waste liquid dripping from said instruments.

2,068,966
METALLIC PAINT
Robert R. Thurston, Scarsdale, and Raymond J. Ruble, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 8, 1934, Serial No. 705,736
5 Claims. (Cl. 134—51)

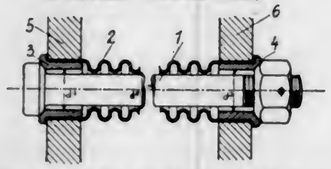
1. A metallic paint consisting essentially of 12 to 18 parts of a metallic powder, 15 to 25 parts of asphalt emulsion embodying 60 to 70% solids, 15 to 60 parts of a solvent for bitumen and up to 30 parts of water.

2,068,967
LAMP GLOBE
Carl J. Uhrmann, Chicago, Ill., assignor to George L. Chamberlain
Application April 3, 1933, Serial No. 664,088
10 Claims. (Cl. 240—128)



1. A lamp globe having an opening therein, a neck for said globe about the opening, and a one-piece metallic ring spun about the neck of said globe, said ring having portions thereof extending inwardly and outwardly of the globe about the neck to reinforce the globe on both sides of the neck, one of said portions of the ring being slightly spaced from the globe to provide a protective cushion which will yield when fastening means are tightened to hold the globe in place and thereby prevent breaking of the globe.

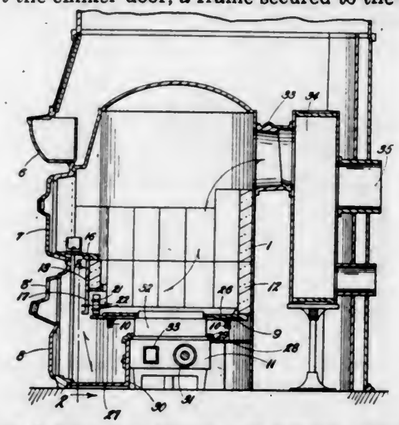
2,068,968
MOVABLE STAYBOLT
Julius Urbanek, Vienna, and Hans Heinzl, Knittelfeld, Austria
Application March 2, 1933, Serial No. 659,320
In Austria March 3, 1932
1 Claim. (Cl. 85—1.5)



Stay bolt for steam boiler furnaces, comprising a flexible tube, a bolt mounted free of flexure in said tube, and separately formed heads provided at both ends of the said tube, each head having a shank portion projecting into the end of the tube and being provided with a flange embracing said tube end and being spread out and pressed against the boiler sheet through which the tube passes, whereby a tight connection is provided between the tube and the wall of the hole in the boiler sheet.

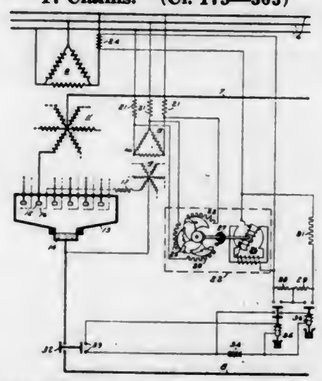
2,068,969
CLINKER REMOVER FOR FURNACES
Louis R. Walker, Chicago, Ill., and William J. Doyle and William L. McGrath, Cincinnati, Ohio
Application December 16, 1935, Serial No. 54,584
2 Claims. (Cl. 110—45)

1. In a furnace having a front with a clinker door, the combination of a fire-pot, a retort extending upward into the fire-pot, means for feeding fuel upward into the retort, a dead-plate closing the opening between the retort and the wall of the fire-pot, an opening in the fire-pot adjacent the clinker door, a frame secured to the wall



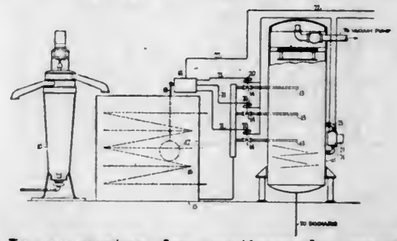
of the fire-pot and around the opening, a grated door hinged to the frame, the dead-plate having in it a groove adapted to receive a clinker-bar, and a plate located immediately beneath the dead-plate and having a depressed portion that forms a clinker-pan beneath the clinker door.

2,068,970
RECTIFYING SYSTEM
Harold Winograd, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 7, 1933, Serial No. 683,939
17 Claims. (Cl. 175—363)



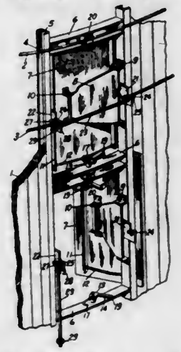
9. In an electric current conversion system, an electron discharge device, means operable to one position thereof to control thereat the initiation of flow of current through said device and operable to another position thereof to cause interruption of said current, means comprising an element of said device for controlling the operation thereof in such sense as to cause the magnitude of said current to be varied, means operable from one to another position thereof to affect the operation of the second said means in such sense as to cause the magnitude of said current to be progressively increased at a predetermined rate, and means operable responsive to operation of the first said means to the said one position thereof to cause said operation of the third said means and operable responsive to said operation of the first means to the said another position thereof to cause operation of the third said means to the said one position thereof.

2,068,971
APPARATUS AND PROCESS FOR CONTINUOUSLY REMOVING VOLATILE MATTER FROM A LIQUID
Arthur U. Ayres, Chestnut Hill, and Nathaniel Brewer, Lansdowne, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa.
Application March 29, 1934, Serial No. 717,882
10 Claims. (Cl. 159—44)



1. In apparatus for continuously removing volatile impurities from a liquid, the combination comprising a dehydrating chamber, a supply tank, means for conducting liquid from said supply tank to said dehydrating chamber, plural parallel means for injecting liquid into said dehydrating chamber in dispersed form, and means controlled by the level of liquid in said supply tank for causing discontinuance of injector of liquid through one or more of said injecting means selectively.

2,068,972
SILO DOOR CONSTRUCTION
Charles A. Bangert, Columbus, Ohio, assignor to Lamneck Products, Incorporated, Columbus, Ohio, a corporation of Ohio
Application April 13, 1936, Serial No. 73,996
8 Claims. (Cl. 20—1.4)



1. In combination a silo door movable between open and closed positions relative to a door frame, means for locking the door in closed position and in firm contact with the door frame, said means comprising a pivoted lever, a hook member pivoted to said lever at a point spaced from the pivot point of the lever, said hook member being adapted to hook over a resilient rod mounted on said door, the pivot point of said hook to the lever being located at one side of the pivot point of the lever when the lever is in

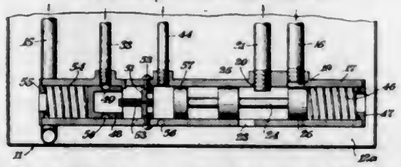
unlocking position and being located at the opposite side of the pivot point of the lever when the lever is in locking position, said hook member being of such length that said rod will be sprung when the lever is in locking position.

2,068,973

VISCOSITY-RESPONSIVE DEVICE

Harry T. Booth, Glencoe, Ill., assignor to Lubrication Control Corporation, Chicago, Ill., a corporation of Delaware

Application February 7, 1933, Serial No. 655,575
Renewed June 20, 1936
14 Claims. (Cl. 137—165)



1. In a device of the character described, a chamber having a movable wall and having a port comprising a friction tube, a port comprising an orifice, means for supplying fluid to one of said ports at constant pressure, the other port being in said movable wall, means opposing movement of said movable wall in one direction, and means actuated by said movable wall.

2,068,974

WATER-RESISTANT MOLDING MIXTURE AND METHOD OF MAKING THE SAME

Walter Brandenberg, Passaic, N. J., assignor to Heyden Chemical Corporation, New York, N. Y., a corporation of New York

No Drawing. Application June 8, 1933, Serial No. 674,823
6 Claims. (Cl. 106—22)

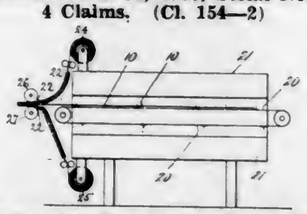
1. The method of preparing molding mixtures containing a resin of the urea-formaldehyde type, said method consisting in mixing one component of said resin to the fibrous filler, adding to the aforesaid mixture the other component under cooling, and drying the obtained final mixture.

2,068,975

COMPOSITE ARTICLE OF MANUFACTURE

Alden W. Coffman, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application March 31, 1936, Serial No. 71,971
4 Claims. (Cl. 154—2)



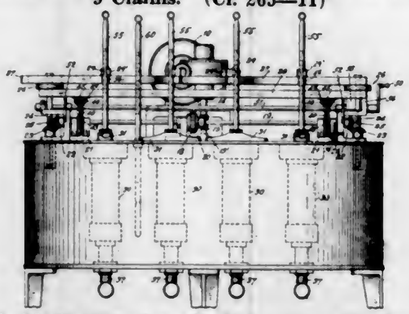
2. The process of uniting a fibrous layer containing animal fiber to a base comprising heating the base to store heat therein, and then applying the fibrous layer containing animal fiber to the heated base under pressure, said base being heated to a temperature sufficient to effect the production of a break-down adhesive, in the portions of the fibrous layer adjacent the base, from the normally contained constituents of the animal fiber.

2,068,976

VISCOSIMETER

John H. Dillon, Bellerose, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York

Application February 21, 1936, Serial No. 65,000
9 Claims. (Cl. 265—11)



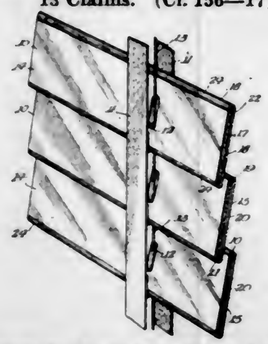
1. Mechanism for effecting automatically the stirring of the material in the tubes of a viscosimeter having a bath casing for a heating medium, a plurality of oil tubes disposed therein, and an outlet orifice for each of said tubes, while, at the same time, permitting measurement of the temperature of such material comprising a plurality of substantially vertically disposed thermometers constituting the stirring media, one for each of the tubes of the viscosimeter, a support for said thermometers including a circular motion bar and a lifting bar, and means for imparting to said bars a simultaneous circular and vertically reciprocating bodily motion, whereby every point in and on said thermometers moves in a path defining a helix.

2,068,977

SLAT FOR VENETIAN BLINDS AND METHOD OF MAKING

George D. Dodge, Evanston, Ill.

Application September 24, 1934, Serial No. 745,221
13 Claims. (Cl. 156—17)



8. A venetian blind slat having a bottom member, and a metal strip imbedded in said member.

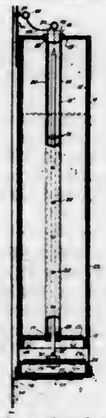
2,068,978

POWDER DISTRIBUTOR

Orlando R. Erwin, Wauwatosa, Wis., assignor to Arthur F. Erwin, Wauwatosa, Wis.

Application August 30, 1933, Serial No. 687,396
Renewed September 30, 1936
5 Claims. (Cl. 169—33)

1. A powder distributing device for expelling a mixture of powder and air, comprising a tubular container provided with closed ends, an air inlet valve in one end and an opening in the opposite end, said container being adapted to store a charge of powder therein, a tubular telescope blower reciprocably fitting said container and constructed and arranged to force air into the same, an unrestricted tube extending longitudinally of the container from one end thereof to



the other, the end of said tube adjacent the air inlet end of the container being closed and the other end of said tube being arranged to project through the container opening, said tube being provided throughout its length with spaced apertures, whereby air forced into the container will be mixed with the powder therein and discharged through said tube and outlet.

2,068,979

METHOD OF PREVENTING CORROSION IN OIL STILLS

Gerald M. Fisher, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application January 20, 1936, Serial No. 59,903
3 Claims. (Cl. 196—35)

1. The method of preventing the corrosion of oil stills which comprises supplying to the oil being distilled a small proportion of an oil-soluble naphthenate of an alkali earth metal.

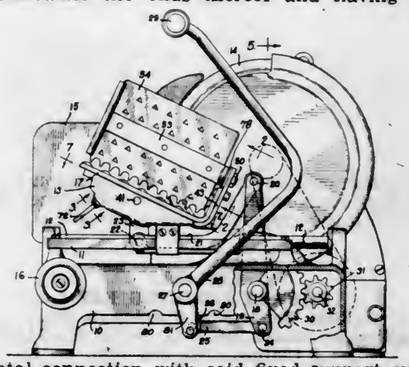
2,068,980

SLICING MACHINE

Joseph Folk, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application August 17, 1933, Serial No. 685,513
5 Claims. (Cl. 146—102)

1. In a slicing machine, the combination with a slicing knife, of a substance support mounted for reciprocation past said knife in a direction substantially parallel to the cutting plane thereof, said knife being rotatable about an axis substantially perpendicular to the path of reciprocation of said support; an operating shaft extending substantially parallel to the axis of said knife, a driving connection between said shaft and said knife for actuating said knife when said shaft is moved in one direction but not when said shaft is moved in the opposite direction, means for rocking said shaft in opposite directions to impart rotation to said knife in one direction, comprising a gear mounted on a jack shaft substantially parallel with said operating shaft and having a gear meshing with a gear on said operating shaft, a lever secured to said jack shaft for rocking said jack shaft, a link connecting one end of said lever with said substance support, and lying in a plane substantially parallel to the cutting plane of said knife, an operating arm pivotally mounted on a fixed support, said arm being angularly bent intermediate the ends thereof and having its



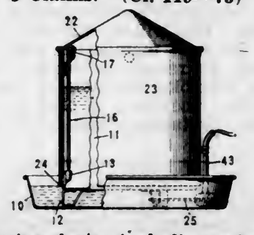
pivotal connection with said fixed support substantially midway of and below the path of reciprocation of said substance support with the free end of said angularly bent arm extending upwardly above the path of reciprocation of said support for manual operation by the operator but clear of the substance support in all positions thereof along its path of reciprocation.

2,068,981

AUTOMATIC FOUNTAIN WATERER

Charles E. Hanny, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application October 14, 1933, Serial No. 693,536
3 Claims. (Cl. 119—73)



1. A watering device including a lower pan, a tank closed at the bottom and supported in the pan above the bottom thereof with a shallow water space between the bottom of the pan and the bottom of the tank, said tank having an outlet member for feeding water to the pan so that the water therein is normally in contact with the tank bottom, and a thermostatically controlled electric heating device and switch unit located in the pan in the water space beneath the tank.

2,068,982

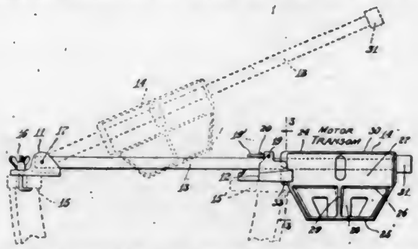
OUTBOARD MOTOR BRACKET FOR CANOES, ETC.

James W. Harvey, Readfield, Maine, assignor to Robert S. Allyn, New York, N. Y.

Application February 29, 1936, Serial No. 66,360
13 Claims. (Cl. 248—4)

1. A canoe motor bracket comprising, supports independently secured to the opposite side

rails, a cross bar hinged to one support, the other support having a cradle for the bar, a motor transom mounted to slide on the cross bar to



a position outside the canoe or a position inside the canoe and means for interlocking the transom with the support having the cradle.

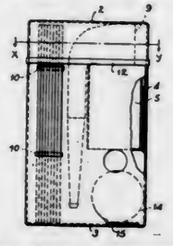
2,068,983

POCKET SMOKING KIT

Albert Henderson, Pittsburgh, Pa.

Application March 10, 1934, Serial No. 714,975

8 Claims. (Cl. 206—38)



1. A pocket smoking kit comprising a receptacle formed by two oppositely-disposed closure members, a container disposed within one of the closure members, and movable longitudinally thereof, the container being provided with a discharge opening that will register with a discharge opening in the said member at one position of the container, the receptacle being provided with a space for a smoker's article in such position that when the receptacle is closed, said article will hold the container away from discharging position.

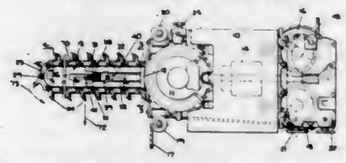
2,068,984

CUTTER CHAIN AND BAR

Robert K. Jeffrey, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application March 14, 1935, Serial No. 11,048

37 Claims. (Cl. 262—33)



30. A cutter chain for a mining machine comprising interconnected bit carrying links and connecting links, the bit carrying links having parallel side plates connected together across their tops at one end by an integral plate and at the other end by a spaced bit carrying post, thereby providing an open top U-shaped bit carrying link.

2,068,985

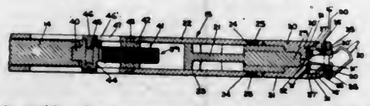
CUTTER MECHANISM

Robert K. Jeffrey, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application May 10, 1935, Serial No. 20,825

In Great Britain August 27, 1934

12 Claims. (Cl. 262—33)



12. A cutter bar comprising an elongated body portion and a head portion at one end, said head portion including a pair of plates providing spaced apart arcuate bearing surfaces with an arcuate boss between them, said boss having an arcuate bearing surface.

2,068,986

HARNESS FOR CROSS WEAVING

John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 7, 1935, Serial No. 35,046

10 Claims. (Cl. 139—52)



1. A heddle for loom harness comprising two flat strips of metal, one of said strips having a pressed out part and the other of said strips having a slot into which said pressed out part extends, and the strips being permanently secured to each other adjacent the point of engagement thereof.

2,068,987

PROCESS OF DISSIPATING FOG

William C. King, Jr., Pittsburgh, Pa.

No Drawing. Application August 23, 1934, Serial No. 741,182

6 Claims. (Cl. 299—28)

1. The process of dissipating ground or sea fog consisting in precipitating the fog by disseminating thereinto a dry finely divided water-absorptive gel-forming medium.

2,068,988

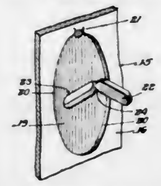
OUTLET BOX

John Knell, Aurora, Ill., assignor to All-Steel-Equip Company, Aurora, Ill., a corporation of Illinois

Application December 12, 1931, Serial No. 580,519

2 Claims. (Cl. 247—26)

1. In electric protective means having a pry-out formed in a wall thereof, said pry-out having its outer surface raised above the outer surface of said wall and being defined by a line of rupture interrupted by a single integral tongue which connects the pry-out to the wall, and a knock-out arranged totally within said line of rupture and having its outer surface lower than the outer surface of said pry-out, said knock-out being defined



by a single line of rupture interrupted by a single integral tongue which connects the knock-out to the pry-out, the line of rupture of the knock-out being remotely situated from the pry-out tongue, said knock-out adapted to be dislodged from the pry-out to provide an opening through the pry-out for the reception of an implement for prying out and twisting off the pry-out.

2,068,989

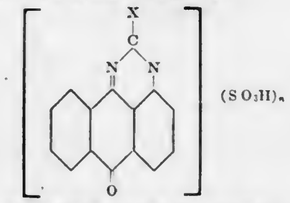
SULPHONIC ACIDS OF ANTHRAPYRIMIDINES

Karl Koeberle and Otto Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 22, 1933, Serial No. 703,669. In Germany December 24, 1932

5 Claims. (Cl. 260—32)

5. An anthrapyrimidine sulphonic acid corresponding to the general formula:



in which n stands for a whole number up to three and X for a substituent selected from the class consisting of the alkyl, aryl, amino, arylamino groups in which the aryl groups contain up to two condensed carbocyclic rings.

2,068,990

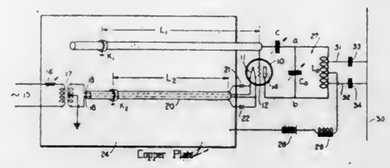
HIGH FREQUENCY OSCILLATION GENERATOR

Frederick A. Kolster, New York, N. Y., and Paul F. Byrne, West Caldwell, N. J., assignors to Federal Telegraph Company, Newark, N. J., a corporation of California

Application June 1, 1934, Serial No. 728,552

8 Claims. (Cl. 250—36)

1. An oscillation generator comprising a vacuum tube having cathode, grid and anode, a tank circuit including an inductance and a condenser, one of which is variable, connected across the grid and anode, a grounded source of anode potential connected to the midpoint of said inductance, two parallel high frequency paths to ground from said midpoint, one of said paths including a portion of said inductance and the space current path from said anode to said cathode and an impedance external to said vacuum tube and the other of said parallel paths being external to said vacuum tube and including another portion of said inductance, an impedance



element in said other parallel path, and means in one of said parallel paths for causing the impedance thereof to equal the impedance of the other of said paths.

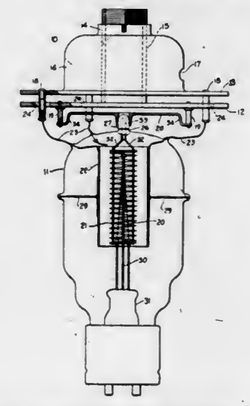
2,068,991

HIGH FREQUENCY APPARATUS

Frederick A. Kolster, New York, N. Y., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California

Application June 1, 1934, Serial No. 728 553

8 Claims. (Cl. 250—36)



1. In high frequency apparatus, the combination of an electron relay having cathode, grid and anode, a tank circuit including an inductance and a condenser having two electrodes, a plurality of leads connecting one of the condenser electrodes to said anode, a metallic plate connected to said grid and supported in spaced relation to the other of said tank circuit condenser electrodes, thereby forming an auxiliary capacitance external to said tank circuit to couple said grid capacitatively to said tank circuit.

2,068,992

VIBRATING MACHINE

Everett P. Larsh, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application August 18, 1928, Serial No. 300,498

6 Claims. (Cl. 128—63)

1. An apparatus for kinesitherapy treatment including, a pedestal, an electric motor mounted on top of the pedestal with its armature shaft vertically disposed, a vibratory yoke mounted upon the motor housing for oscillatory move-

ment about a vertical axis, the arms of said yoke extending laterally beyond the motor housing for



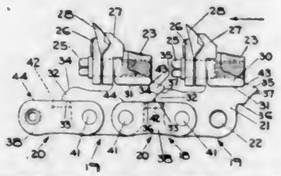
connection with an applicator and an operative connection between the armature shaft and yoke.

2,068,993

CUTTER CHAIN AND CUTTER BAR

Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application March 21, 1936, Serial No. 70,035
14 Claims. (Cl. 262—33)



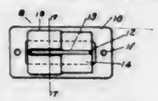
2. A cutter chain comprising bit carrying links, means connecting said links, and overlapping normally contacting abutment means on adjacent bit carrying links.

2,068,994

CUSHION JOINT

Thomas Lord, Erie, Pa., assignor to Hugh C. Lord, Erie, Pa.

Application June 24, 1935, Serial No. 28,110
21 Claims. (Cl. 248—7)



1. A cushion joint comprising inner and outer attaching members, the outer one of said members having a plate-like form comprising side plates forming an opening therebetween and the inner of said members being of plate-like form with its faces in the direction of the edges of the sides and disposed in the projected area of the opening and extending crosswise to the plane of the outer member and spaced from the edges of the sides, and an element of resilient material overlapping a face of the outer member and extending edgewise from the sides into free space in the opening, said element being secured to the attaching members by surface union with the overlapped face of the outer member and with the side faces of the inner member.

2,068,995

COATING AND METHOD OF PROTECTING SURFACES AGAINST CORROSION

Kenneth Edward Hunter Rodwell, London, England, assignor to Rangi Limited, Nairobi, Kenya, East Africa, a corporation of Kenya Colony, East Africa

No Drawing. Application December 3, 1934, Serial No. 755,781. In Great Britain December 12, 1933
7 Claims. (Cl. 91—68)

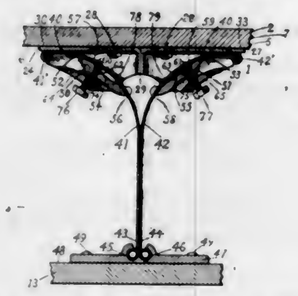
1. In combination with a metallic surface to be protected against corrosion, a layer of cement contacting directly with said surface, a layer of bituminous material intimately associated with said layer of cement, and a layer including bituminous material and cement associated with said second mentioned layer whereby to present a coating for effectively resisting corrosive effects of the elements.

2,068,996

SHOCK ABSORBER

George E. Smith, Cincinnati, Ohio

Application March 14, 1935, Serial No. 11,081
14 Claims. (Cl. 188—129)



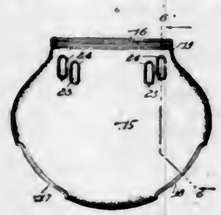
14. In a shock absorber, a pair of flexible longitudinal means, a support for said means, means to slidably retain said means in curved positions in contact with said support and with ends of said first mentioned means in contact with each other and exerting pressure on each other.

2,068,997

RUBBER ARTICLE SUCH AS BABY PANTS

Abraham N. Spanel, Rochester, N. Y.

Application December 11, 1935, Serial No. 53,925
2 Claims. (Cl. 128—288)



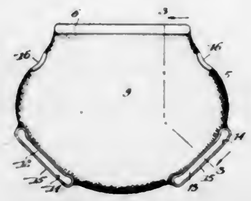
1. Relatively thin seamless deposited rubber pants having a waist opening and leg openings therein, said pants having a definite normal shape "permanently set" in character, the margins of said pants adjacent said openings being reinforced by ridges of rubber integral with said pants, all of said ridges being located on the same surface of said pants.

2,068,998

RUBBER GARMENT

Abraham N. Spanel, Rochester, N. Y.

Original application August 6, 1934, Serial No. 738,669. Divided and this application December 19, 1935, Serial No. 55,215
7 Claims. (Cl. 128—288)



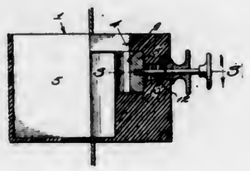
1. A pair of seamless deposited rubber pants having a top opening therein defined by an uninterrupted margin and having leg openings therein, said pants having a definite normal shape "permanently set" in character, the margins of said pants at said openings being strengthened by reinforcements of rubber integral therewith.

2,068,999

CIGARETTE EXTINGUISHER

Edward M. Tierney, Washington, D. C.

Application December 5, 1935, Serial No. 53,060
2 Claims. (Cl. 131—51)



1. In combination with an ash receptacle having a chamber and a passage communicative therewith, resilient members extending into said passage, a slidable plunger cooperating with said members in defining a space within the passage to receive the burning end of a cigarette for the extinguishing of said cigarette by smothering, a stem secured to the plunger, a finger piece secured to the stem, and spring means acting on the stem to position the plunger to cooperate with said members in defining said cigarette smothering space.

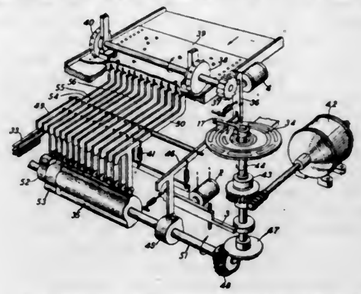
2,069,000

TELEGRAPH SYSTEM

Walter Meredith Bacon, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Continuation of application Serial No. 743,762, September 12, 1934. This application July 2, 1936, Serial No. 88,664
6 Claims. (Cl. 178—4)

1. A communication system comprising a perforated card controlled telegraph transmitter having contacts for reading the perforations in said cards column by column, a translating device for translating the perforations of each of said columns into a plurality of groups of telegraph signal impulses, a telegraph transmission channel connected to said transmitter, a telegraph receiving device connected to said channel having translating and perforating devices for perforating a card column by column in accordance with the received groups of telegraph signal impulses.

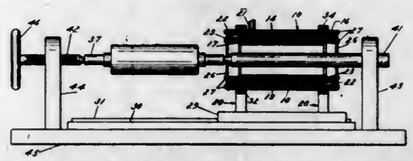


2,069,001

METHOD OF AND APPARATUS FOR PREPARING PRINTING SURFACES

Ernest S. Ballard, Berkeley, Calif.

Application February 25, 1935, Serial No. 8,197
20 Claims. (Cl. 101—401.1)



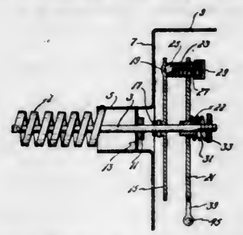
1. A method of preparing a printing surface by use of an apparatus embodying an elastic transfer member which comprises the steps of applying a transfer coating on a master surface bearing the desired image, bringing the surface of the elastic transfer member into contact with said master surface by the direct application of fluid pressure thereto to cause a uniform simultaneous transfer of said entire coating to the surface of said elastic member, separating said surfaces and thereafter bringing the surface of said elastic member carrying the transferred image into contact with the surface to be prepared by the direct application of fluid pressure thereto to cause the uniform simultaneous transfer of said coating substance to said printing surface.

2,069,002

THERMOSTATIC CONTROL MECHANISM

Ransom H. Beman, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan

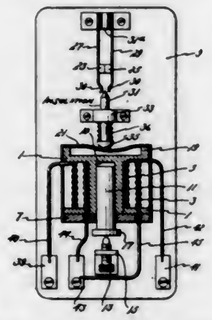
Application February 18, 1935, Serial No. 7,103
5 Claims. (Cl. 200—138)



1. In combination a thermal responsive element actuated in accordance with varying tem-

perature conditions, control means having two extreme positions, driving means for yieldingly actuating said control means to its corresponding extreme position in response to the initial movement of said element in either direction by increasing or decreasing temperature variations, said driving means comprising a plurality of members movable relative to one another, one of said members being resilient, one of said members having a plurality of indentations resiliently engageable with the other member for causing one of said members to be driven by the other, said resilient engagement being such that said members are slidable relative to one another, one of said members being associated with said thermal responsive element to be driven thereby and the other of said members being associated with the control means for actuating the latter.

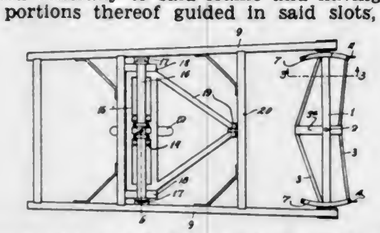
2,069,003
ELECTRICAL APPARATUS
Ransom H. Beman, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application February 18, 1935, Serial No. 7,104
5 Claims. (Cl. 200—122)



3. In combination a heat responsive device, means actuated thereby, heating means for controlling said device comprising a thermally coupled member of magnetizable material, said material being in heat exchange relation with the heat responsive device, an adjacent source of alternating magneto-motive force for heating said member by inducing eddy current and hysteresis losses therein, means for varying the rate of heating said device, and an opposing source of alternating magneto-motive force for neutralizing and eliminating the effect of said first source in the vicinity of said member.

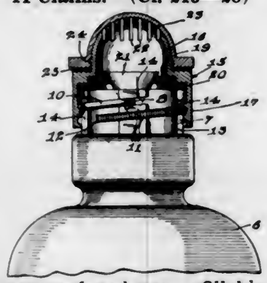
2,069,004
TRAILER FOR ROAD VEHICLES
Martin Ronald Butler, Wellington, and William Henry Harding, Levin, New Zealand, assignors to Reversible Trailers Limited, Levin, Province of Wellington, New Zealand, a company incorporated in New Zealand
Original application July 18, 1935, Serial No. 32,080. Divided and this application February 3, 1936, Serial No. 62,182. In New Zealand August 10, 1934
5 Claims. (Cl. 280—33.44)

1. A trailer for vehicles comprising a coupling frame adapted to be fixed to the drawing vehicle, guide members at the ends of said frame containing slots sloping upwardly in the rearward direction, a trailer frame, a transverse draw bar pivoted centrally to said frame and having the end portions thereof guided in said slots, and



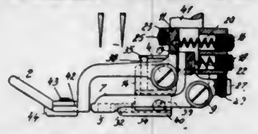
means connecting said draw bar to said trailer frame.

2,069,005
TAMPERPROOF NONREFILLABLE CLOSURE
William B. Damsel and William C. Damsel, New York, N. Y.
Application September 3, 1936, Serial No. 99,280
11 Claims. (Cl. 215—28)



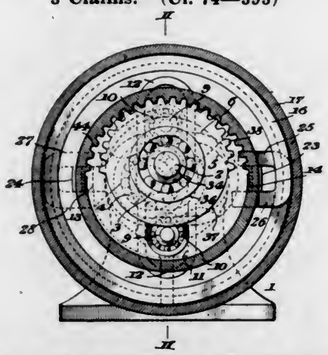
7. A tamperproof and non-refillable container comprising a receptacle having an outlet, a resilient spiral wire arranged on the exterior of said outlet and having one of its ends anchored to said outlet, the opposite end of the wire being free and forming a burr, and a closure for the receptacle having an internally threaded portion surrounding said outlet and in threaded engagement with said wire.

2,069,006
PRESSER FOOT FOR SEWING MACHINES
Fritz Ebert, Oberndorf-on-the-Neckar, Germany
Application January 23, 1935, Serial No. 3,169
In Germany February 1, 1934
5 Claims. (Cl. 112—235)



1. A presser foot for sewing machines comprising a main body, three pairs of foot members arranged with their operating parts in a single horizontal plane one behind the other, pivotally arranged levers extending upwardly, one for each of the foot members of the pair arranged furthest from said main body and of the middle pair, each of said levers forming part of its corresponding foot member, springs mounted in said main body, one for cooperation with each of said levers, set screws screwed into said main body, one for cooperation with each of said springs, a rail provided at said main body, set screws provided in said rail cooperating with said levers forming part of said foot members of the pair arranged furthest from said main body and limiting the downward movement of said last mentioned pair of foot members, a rearwardly extending lever forming part of each foot member of said middle pair and a set screw in the end of each of said rearwardly extending levers cooperating with said main body and limiting the downward movement of the foot members of said middle pair.

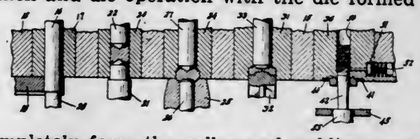
2,069,007
DEVICE FOR AUTOMATICALLY CHANGING TRANSMISSION RATIO
Cesare Fontana, Genoa, Italy
Application July 16, 1935, Serial No. 31,680
In Italy July 16, 1934
3 Claims. (Cl. 74—393)



1. In a mechanical device with revolving members for the transmission of motion with an automatically variable transmission ratio, the combination of a driving shaft, a driven shaft, an element eccentrically mounted upon said driving shaft, organs for the mechanical connection of said element to the driving shaft, a slide member, one of said connecting organs being resilient and mechanically connected to said slide member interposed between the driving and the driven members, other means through which the said resilient organ exerts influence upon the position assumed by the said slide member in which the motion of the said eccentric element decomposes into two parts, one of rotation and the other of alternate translation, other means through which one of the components of rotation is utilized for the transmission of the motion from the driving member to the driven member, said component being indirectly proportional to the value of the resistance applied to the device, while the component of translation, which is directly proportional to the useful resistance applied to the device, is not utilized, the further combination with elements connecting through the intermediate slide member with the driven member, in cooperation with said resilient organ, means connecting the intermediate slide to the driving member, these connecting elements permitting suitable degree of freedom.

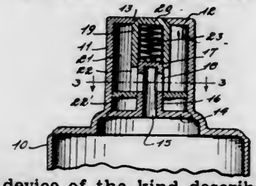
2,069,008
MANUFACTURE OF NUTS
Jerome W. Howard, Detroit, Mich.
Application March 20, 1936, Serial No. 69,519
4 Claims. (Cl. 10—86)

1. The method of making a square type nut with a collar on one side surrounding an aperture in the nut and with welding projections on the collar side of the nut adjacent the corners and outside the periphery of the collar, and wherein the nut is formed from round stock wholly by metal upsetting steps which comprises, subjecting a round blank to pressure to size and shape the same, subjecting the sized and shaped piece to a second punch and die operation to further shape the blank, subjecting the piece to another punch and die operation with the die formed to



completely form the collar and welding projections outside the collar and on the corner portions and to finally shape the piece into said square type form, and then punching out the central part of the piece surrounded by the collar.

2,069,009
CLOSURE FOR COLLAPSIBLE TUBES
William H. Jackson, Canton, Ohio, and Arthur W. Edmond, Hyattsville, Md.
Application January 3, 1936, Serial No. 57,436
4 Claims. (Cl. 221—60)

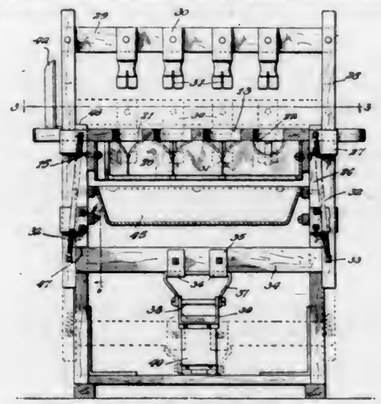


1. In a device of the kind described, a nozzle having a cylindrical body and an upper end provided with an outlet port concentric to the body, a diaphragm fixedly extending across the lower end of said body and having a central opening, an inner tubular member extending upwardly from the opening in said diaphragm and having lateral ports, an outer tubular member slidably fitted on said inner member and having lateral ports registering continuously with the ports in the inner member, said outer member having a flange at its lower end fitting in the cylindrical body, said outer member having its upper end closed to seat against the upper end of the body to normally close the outlet port, and spring means urging the outer tubular member into position to close said outlet port, said flange being arranged for receiving pressure on its upper face from material flowing through said ports into the space between the body and outer member whereby the outer member is depressed to open said port.

2,069,010
MACHINE FOR CUTTING SEED POTATOES
Horace J. B. Kerr, Millersburg, Pa.
Application December 6, 1935, Serial No. 53,241
3 Claims. (Cl. 146—169)

1. In a machine of the class described, the combination with a table having a plurality of potato receiving openings of different sizes formed therein, of an open ended box frame disposed beneath the receiving table and provided with spaced inwardly projecting ribs extending to the upper longitudinal edge of the box frame and having seating grooves formed therein and terminating short of the lower longitudinal edge of the box frame to form stops, a unitary cutting element detachably mounted in the box frame and comprising a longitudinal knife having one end thereof provided with diverging portions disposed

beneath one of the potato receiving openings, intersecting portions disposed below another opening and a straight portion extending beneath a third opening, said straight portion of the knife having a concave cutting edge and the remaining



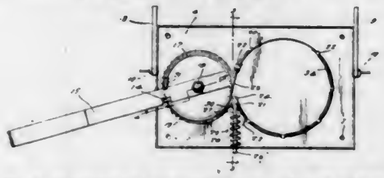
portion of the knife having convex cutting edges, and clamping means extending through the ribs above said stops and engaging the adjacent portions of the knife for detachably securing the cutting element in position on the box frame.

2,069,011

ADJUSTABLE CONTAINER HOLDER

Frank W. Lucas, Peru, Ind., assignor of one-half to Russell J. Wildman, Peru, Ind.

Application March 25, 1936, Serial No. 70,889
4 Claims. (Cl. 81—3.3)



1. In a structural combination of the class described, a base plate, a relatively fixed abutment on said base plate, a spring-pressed pin slidably mounted on said base plate, a horizontally positioned metal band attached at one end to said pin and in sliding contact with said abutment, a relatively fixed guide for the free end portion of the band to form the band into a jar embracing noose, and a drum having winding connection with the free end of the band.

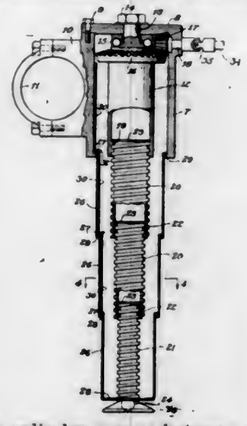
2,069,012

VEHICLE JACK

Edwin Ralph Lynes, Westford, N. Y.

Application August 6, 1935, Serial No. 34,994
1 Claim. (Cl. 254—102)

A lifting jack for a vehicle, comprising a casing, a hollow cylinder mounted for rotation in the casing, a plurality of connected telescoping jack sections connected to and receivable in the cylinder, an extensible housing for the jack sections and connected to and movable into and out of the casing, said housing including telescoping sleeves surrounding the jack sections, inwardly directed annular flanges on the lower ends of the sleeves, outwardly directed annular flanges on the upper ends of the sleeves for engagement with the inwardly directed flanges of adjacent sleeves to limit the downward movement of the sleeves, keys secured to certain sleeves and certain flanges having key ways therein to slidably receive the keys, said keys having hooked upper ends providing stops engageable with each other to limit the upward movement of the sleeves, means for



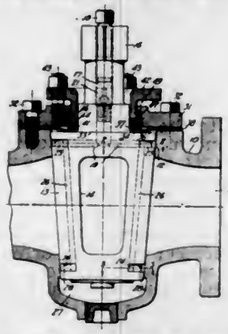
rotating the cylinder, means between the cylinder and jack sections and each of the latter for raising and lowering the jack sections upon rotation of the cylinder, a shoe on the lowermost jack section and the flange of the lowermost sleeve being fixed to the lowermost jack section, whereby raising and lowering of the jack sections raises and lowers the sleeves in unison therewith.

2,069,013

PLUG VALVE

Sven Johan Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, San Francisco, Calif., a corporation of Delaware

Application March 18, 1932, Serial No. 599,739
5 Claims. (Cl. 251—93)



1. In a plug valve, a casing having a passageway therethrough for flow of fluid and formed to provide a tapered seat extending transversely of the passageway, a valve plug rotatably disposed within said seat, a pressure lubricating system for effecting hydraulic jacking of the plug from its seat and for introducing viscous lubricant between the valve working surfaces, there being an annular shoulder formed upon the large end of the plug, a flexible diaphragm positioned adjacent the large end of the plug and having its outer peripheral portion sealed with respect to the casing, resilient means serving to press the inner peripheral portion of said diaphragm into contact with the shoulder on the large end of the plug, thereby urging the plug into its seat, and adjustable means for controlling the maximum permissible longitudinal movement of said plug in a direction away from its seat.

2,069,014

LADY'S CORSELET AND LIKE UNDERWEAR

Winefryde Margaret Anna Molyneux-Seel, Paris, France

Application July 25, 1935, Serial No. 33,136
In Great Britain July 26, 1934
5 Claims. (Cl. 2—30)



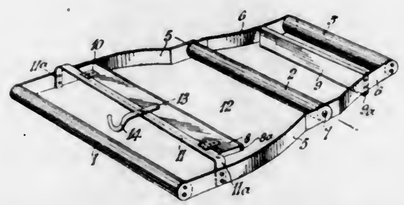
1. A tight fitting body encircling garment comprising a tubular body portion of woven fabric having the warp and weft threads respectively extending diagonally from the top to the bottom in the same directions throughout the entire body portion, shoulder straps connected to the upper part of said body portion, and suspenders connected to the lower part of said body portion.

2,069,015

STRETCHER FOR GARMENTS

Arthur James Newton, Bishopsway, Andover, England

Application May 27, 1936, Serial No. 82,069
In Great Britain April 23, 1936
5 Claims. (Cl. 38—102)



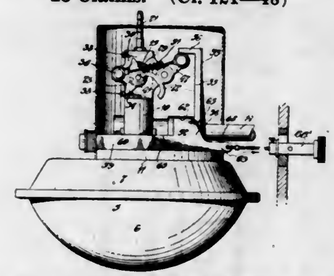
1. A garment stretcher comprising three parallel transverse members spaced from each other, two pairs of endwise disposed leaf springs, the intermediate member serving as a pivotal support for the opposed ends of the two pairs of leaf springs, one pair of leaf springs being bridged at ends remote from the intermediate transverse member by one end transverse member, the other pair of leaf springs being likewise bridged by the remaining transverse member, a pair of bars disposed across the said leaf springs near the ends remote from the intermediate transverse member, said pair of bars each being adapted to bear by one edge against an end of the garment, and a transverse support to which one of said bars is pivotally connected.

2,069,016

WINDSHIELD WIPER MOTOR

Roy William Newton, Collingwood, near Melbourne, Victoria, Australia, assignor to Patent Holdings Proprietary Limited, Melbourne, Australia

Application January 2, 1935, Serial No. 188
In Australia September 4, 1934
13 Claims. (Cl. 121—48)



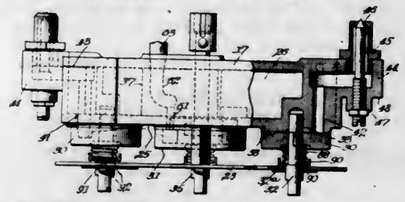
2. An improved windshield wiper motor, comprising a casing, a movable member located in said casing forming separate chambers defined by said member and said casing, a rod attached to said movable member to operate a cleaner arm, snapover mechanism mounted on said rod, a valve connected to and operable by said mechanism, a valve seat formed on said rod over which said valve oscillates in operation, ports formed in said valve seat and connected by passages with said chambers and a source of suction, said ports being controlled by said valve, air being withdrawn through said ports and passages under the control of said valve alternately from each side of said movable member, and atmospheric air being supplied through said ports and passages alternately to the opposite sides of said movable member, and means on the casing to actuate the snapover mechanism during the movement of said rod in both directions, said means including means for bringing the snapover mechanism out of and into its operable condition to stop and start the wiper motor respectively.

2,069,017

MANIFOLD AND VALVE STRUCTURE

Best Pratt and George F. Weinreich, Chicago, Ill., assignors to Brake Equipment & Supply Company, Chicago, Ill., a corporation of Illinois

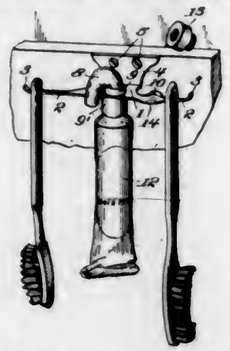
Application November 14, 1934, Serial No. 753,057
9 Claims. (Cl. 277—59)



1. A valve structure comprising a valve body element, a plate-like stationary element spaced from said valve body element, a rotatable valve element between said elements and seated with respect to said valve body element, a shaft carrying said valve element and rotatable with respect to said valve body element and stationary element, said valve and valve body elements having flow passages therein adapted to be aligned by rotation of said valve element, means on said shaft to cooperate with said stationary element to

hold said shaft and valve element in predetermined position, and resilient means between said stationary element and valve element to tend to hold said last named means and said stationary element interengaged and to hold said valve element seated with respect to said valve body element.

2,069,018
DISPENSING SUPPORT
Thomas B. Rayburn, San Antonio, Tex.
Application February 12, 1936, Serial No. 63,631
4 Claims. (Cl. 221—60)

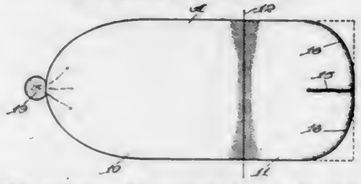


1. A dispensing support comprising a plate, a goose neck journaled to said plate and capable of having its discharge end moved to overlie and contact said plate and to be positioned laterally of the plate, and means for connecting a dispensing container to the goose neck.

2,069,019
PHYSIOLOGICALLY ACTIVE PREPARATION AND MANUFACTURE THEREOF
Fritz Schultz, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 6, 1933, Serial No. 696,911. In Germany November 12, 1932
3 Claims. (Cl. 167—74)

3. In the process of preparing a physiologically active kallikrein preparation which simultaneously causes decrease of the blood pressure and increase of the blood circulation in the lungs, brain, skin and muscles, the steps which comprise separating the active substance from an aqueous concentrate of kallikrein which is substantially free from albumen by complete precipitation by means of acetone in the presence of a small quantity of sodium chloride while cooling, separating the precipitate, washing with acetone and ether and drying the precipitate at a low temperature.

2,069,020
KNITTED CAP
Carl F. Schuessler, Chicago, Ill.
Application January 30, 1935, Serial No. 4,189
4 Claims. (Cl. 2—201)



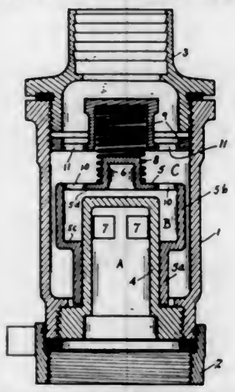
4. The method of forming a knitted cap comprising; forming a knitted tubular body having a portion adjacent one end serving as an inner lining, tying the end of the body opposite the lining while the body is wrong side out, cutting away portions of the lining material adjacent the end and stitching together the edges adjacent said cut-away portions, turning said body right side out, closing by stitches the remaining opening in the lining portion of the body, and drawing said lining portion within the heavier body portion.

2,069,021
KNITTED CAP
Carl F. Schuessler, Chicago, Ill.
Application April 12, 1935, Serial No. 16,072
5 Claims. (Cl. 66—171)



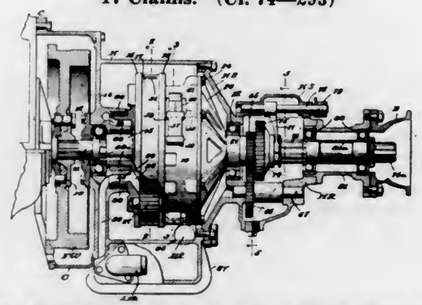
1. In the process of forming a knitted cap, the steps of knitting a tubular cap body with the one end knitted closed, said closed end being formed by employing loops in the starting thread for beginning the walls of the tubular body, and drawing one of the threads adjacent the closed end to gather the end.

2,069,022
AUTOMATIC VALVE
Martin A. Sisk, Pittsburgh, Pa.
Application August 26, 1932, Serial No. 630,520
18 Claims. (Cl. 50—14)



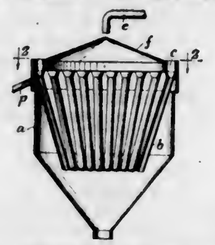
1. An automatic valve for regulating the volumetric flow of liquid, which valve includes an inlet chamber, an intermediate chamber and an outlet chamber, passages between said chambers so organized that the flowing liquid advances directly from one chamber to another in the sequence in which said chambers are above named, one of said chambers being located within a tubular wall and the passage from said chamber comprising at least one port in such tubular wall, the chamber walls of another of said chambers being movable relatively to said tubular wall in response to varying pressure differential between said chambers, said chamber walls including a wall portion extending in the general direction of said tubular wall and being spaced an appreciable interval therefrom, yielding means opposing the relative movement between said tubular wall and said chamber walls in one direction and assisting such movement in the opposite direction, and a valve wall portion connected to said chamber walls and having sliding fit with the face of said tubular wall for the control of said port.

2,069,023
VARIABLE RATIO TRANSMISSION
Otto E. Szekely, Elmira, N. Y.
Application June 27, 1934, Serial No. 732,683
Renewed May 28, 1936
17 Claims. (Cl. 74—293)



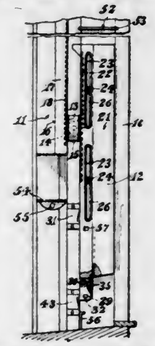
4. A variable ratio transmission including a casing, a driving member, a driven member, a third member revoluble relative to both said driving and driven members, said members being coaxial, a pump housing connected to said driving member, a gear connected to said third member, an internally cut gear connected to said driven member, a planet pinion journalled for bodily movement during the rotation of said driving member, said gears and pinion being located in a plane at right angles to the common axis and intersecting said pump housing and providing a differentiating gearing connecting said members, an internal pump element located in and cooperative with said pump housing, bearings supporting said driving member in said casing at both ends of said pump housing, and bearings supporting said driven and third members within said housing.

2,069,024
PROCESS AND APPARATUS FOR CLARIFYING COAL SLURRY AND THE LIKE
Fritz Vohmann and Erich Trümpelmann, Saarbrucken, Germany, assignors to Gesellschaft für Förderanlagen Ernst Heckel mit beschränkter Haftung, Saarbrucken, Saar Territory
Application November 30, 1934, Serial No. 755,446
In Germany January 5, 1933
6 Claims. (Cl. 210—58)



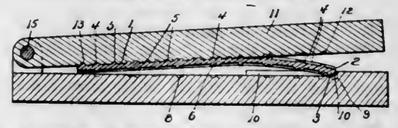
1. A process for the uninterrupted clarification of coal slurry and the like involving the use of a precipitating agent, consisting in supplying the slurry treated with the precipitating agent at the head of a receptacle of suitable form, inducing the downward flow of the said slurry and precipitating agent in a plurality of streams of small cross-section to the lower part of the receptacle where the streams unite to form a body of liquid of a larger cross-sectional area than the combined cross-sectional area of the streams, said streams being delivered into the body of liquid so as to be confined to a limited part of the said area so that the separated solid constituents are thereby concentrated collecting and further concentrating in the lower part of the receptacle the solid constituents separated out in the downward flow of the slurry and causing the clarified liquid of the slurry to rise upwardly in the receptacle, and withdrawing it at the top of the receptacle, the concentrated solid constituents being withdrawn from the receptacle.

2,069,025
WINDOW SASH BALANCE
Elmer A. Anderson, Moorhead, Minn.
Application January 11, 1935, Serial No. 1,405
7 Claims. (Cl. 16—195)



1. In a device of the character described, a sash, a movable rack bar carried by said sash, a dog for holding said rack bar in a set position pivotally secured to the lower end of the movable rack bar, the dog being adapted for engagement by a fastener whereby the rack bar may be held in a set position upon said sash, said sash having a channel formed adjacent the dog, and the dog having a bulged portion fitting in the channel for allowing the rack bar to slide upon the sash, and spring means for normally urging the dog to a latching position.

2,069,026
BAKING PLATE
James Balton, Baltimore, Md., assignor of one-fourth to Joseph Shapiro, Baltimore, Md., one-fourth to Isaac Shapiro, Chicago, Ill., one-fourth to Samuel Shapiro, and one-fourth to Nathan Shapiro, both of Chelsea, Mass.
Application October 1, 1935, Serial No. 43,090
4 Claims. (Cl. 53—10)



1. A pair of wafer baking plates hinged together, one plate having a surface containing

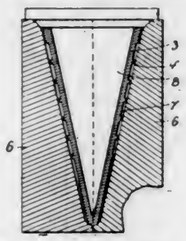
grooves to provide two surface portions of different surface areas, the greater area being remote from the hinged end of the plate, the other plate having a surface containing grooves to provide two surface portions of different surface areas, the greater area being adjacent the hinged end of the plate, the several areas of the plates being co-related so that upon separation of the plates the wafer will become wholly detached from one plate and only partially detached from the other plate substantially as and for the purposes described.

2,069,027

METHOD OF MANUFACTURING CUP PASTRY

James Balton, Baltimore, Md., assignor of one-fourth to Joseph Shapiro, Baltimore, Md., one-fourth to Isaac Shapiro, Chicago, Ill., one-fourth to Samuel Shapiro, and one-fourth to Nathan Shapiro, both of Chelsea, Mass.

Application December 24, 1935, Serial No. 56,111
6 Claims. (Cl. 107—54)



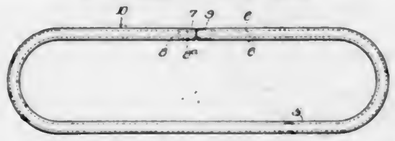
6. The method of making cup pastry from high sugar content batter which consists of molding and baking the batter in a true cone, removing the cone from the mold, and then remolding the cone to remove any distortion in shape that may have occurred during the removal of said cone from the mold.

2,069,028

MACHINERY BELT

Victor R. Clark, Chicago, Ill.

Application April 18, 1935, Serial No. 16,969
2 Claims. (Cl. 74—238)



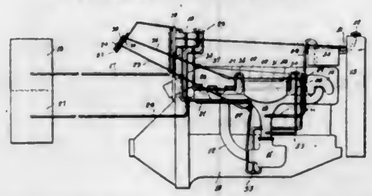
1. As a new article of manufacture, an endless belt comprising a length of belting provided with two grooves extending the full length of said length of belting at opposite sides and in the plane of the neutral axis thereof, said grooves being formed by removal of the material of the belting with consequent thinning thereof in the plane of said grooves, said belting having its ends secured together by a hook of substantially U-shape having its arms inserted through the ends of the belting in the plane of said grooves, the bight portion of said hook fitting snugly within the end portions of one groove and the terminal portions of the arms of said hook being bent over and fitting snugly with the end portions of the other groove, said hook being disposed entirely within the outline of said belting and the end portions of the latter remaining undistorted by said hook.

2,069,029

ECONOMIZING MOTOR FUEL APPARATUS

James G. Cleveland, Enid, Okla.

Application April 21, 1934, Serial No. 721,832
Renewed November 19, 1936
4 Claims. (Cl. 123—127)



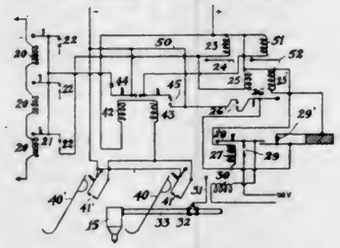
1. In combination with an internal combustion engine, a conduit for the passage of fuel to a carburetor thereof, a cut-off valve for said conduit, a conduit for the passage of a different grade of fuel to said carburetor, a cut-off valve for the second mentioned conduit, said conduits communicating adjacent the carburetor, a check valve in one of said conduits preventing the fuel in the other from entering, and means including a valve operable by the first mentioned cut-off valve whereby fuel will be drawn from the first mentioned conduit by the suction of the engine in advance of the first mentioned cut-off valve when the latter is closed.

2,069,030

RAIL FISSURE DETECTOR

Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y, a corporation of New York

Original application March 18, 1930, Serial No. 436,660, now Patent No. 1,912,569, dated June 6, 1933. Divided and this application February 4, 1933, Serial No. 655,223
12 Claims. (Cl. 175—183)



1. In a device adapted to move over the rails for detecting rail flaws, in combination, flaw indicating mechanism, means responsive to flaw adapted to actuate said indicating mechanism, said rails having joints, said flaw responsive means responding also to joints, a second means responsive to said rail joints, and means whereby said second responsive means renders said flaw indicating means ineffective while the first responsive means is in a position to be affected by a rail joint.

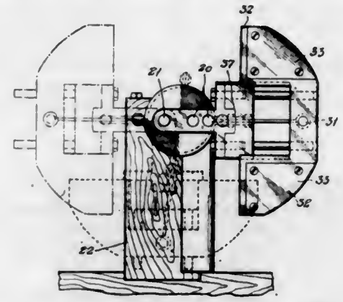
2,069,031

CRANK COUNTERBALANCE

Charles M. Fergusson, Ponca City, Okla.

Application June 21, 1932, Serial No. 618,543
Renewed October 12, 1933
9 Claims. (Cl. 74—591)

3. In combination with a rotatable crank shaft, a crank arm secured to the shaft, a relatively small counterweight member detachably secured thereto, a main counterweight member, means for slidably connecting said counterweight members to each other, and means independent



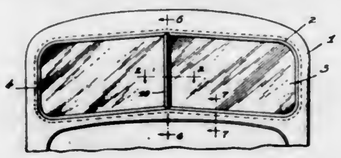
of the crank shaft for retaining the main counterweight member in sliding connection with the small counterweight member during rotation thereof.

2,069,032

DIVISION MOLDING ASSEMBLY FOR A WINDSHIELD

Alfred J. Fisher and Emory Glenn Simpson, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 18, 1936, Serial No. 59,670
7 Claims. (Cl. 296—93)



1. In an automotive vehicle having a window opening and a pair of glass panels mounted in the window opening to form a closure and having their adjacent edges spaced to form a gap, a flexible window seal for sealing the adjacent edges of the said window glass panels and closing the said gap comprising a distortable rubber weatherstrip having a rib portion positioned in the said gap and lip portions overlapping and sealing against the edges of the panels, an outer molding in the form of a manually flexible metal channel having inwardly turned lips in interlocking engagement with said weatherstrip, a plurality of anchor plates positioned within the channel and molded in the said rubber weatherstrip at spaced intervals, and means passing through the inside retainer plate, weatherstrip and anchor plates for binding the said members together and to the window panels.

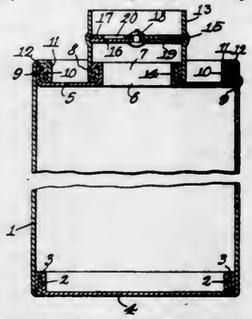
2,069,033

PAPER BOTTLE

Rudolph R. Guenther, Bethlehem, Pa.

Application September 28, 1934, Serial No. 745,981
3 Claims. (Cl. 229—5.6)

1. A paper bottle including a body, a shoulder disk, an outwardly extending annular reinforcement formed by the body and disk and constituting a sealing joint therebetween, a tube mounted upon and opening through the shoulder disk, said tube and disk having interlocking portions surrounded and protected by the annular



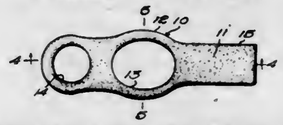
reinforcement and constituting a connecting and sealing joint.

2,069,034

BUNION AND CORN PROTECTOR

William J. Hicks, Madison, Wis.

Application October 9, 1934, Serial No. 747,591
2 Claims. (Cl. 128—153)



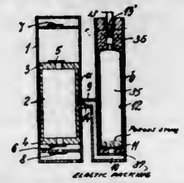
1. A device of the character described comprising an elongated normally relatively flat unitary flexible cushioning body widened centrally of its length and provided in such widened portion with a transverse opening therethrough for the reception of a toe of the foot, one end portion of said body being straight and narrower than said central portion and forming a tab adapted to lie inwardly of said toe, the other end portion being provided with an opening adapted to surround a corn or bunion, each face of said body being continuous and unbroken throughout its area.

2,069,035

DEVICE FOR DETECTING THE PRESENCE OF FOREIGN GASES OR SUSPENSIONS IN AIR OR OTHER GAS

Franz Hollmann, Lubeck, Germany, assignor to Otto Heinrich Drager, Lubeck, Germany

Application July 9, 1934, Serial No. 734,417
In Germany January 10, 1934
4 Claims. (Cl. 23—254)



1. A portable and manually operable device for detecting the presence of foreign gases or suspensions in air or other gases comprising a container having detecting material therein, a double acting pump including a cylinder and a hollow piston reciprocal therein, passage means connecting the interior of said hollow piston with the cylinder, rigid means connecting said container to said piston and a passage means connecting said container and the interior of said piston, whereby the gas to be tested is forced in

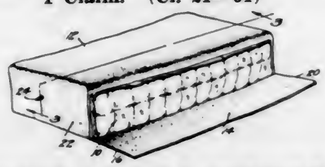
a steady stream through said detecting material by reciprocating said cylinder and said connecting means.

2,069,036

FUMIGATING COVER FOR A CONTAMINATED MATTRESS

William Howard, Jr., Santiago, Chile

Application April 11, 1934, Serial No. 719,999½
1 Claim. (Cl. 21—61)



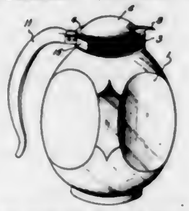
A fumigating cover for a contaminated mattress comprising an envelope of impervious material, proof to liquids and gases, said envelope providing a mouth open only at one side to permit the mattress to be placed therein, an envelope flap extending along one edge of the mouth, said flap being hermetically sealable over the remaining edges of the mouth to thereby seal the mattress therein prior to the introducing of disinfecting means, and a valve means extending thru said envelope whereby the disinfecting means may be introduced therein.

2,069,037

CONVERTIBLE JAR CLOSURE

Anton G. Jedlicka, Minneapolis, Minn.

Application January 7, 1936, Serial No. 57,991
3 Claims. (Cl. 215—73)



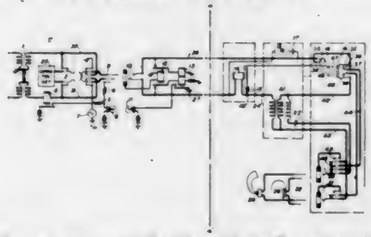
1. Jar closure comprising a ring portion adapted to be screwed upon a jar mouth, and a spouted lid portion, a handle secured to said ring portion, and a removable sealing disk within said ring portion seating upon said jar mouth and adapted to be clamped thereagainst when said closure is screwed upon said jar mouth.

2,069,038

TELEPHONE SUBSCRIBER'S SUBSTATION

James Monroe Labaugh, Paterson, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application July 5, 1934, Serial No. 733,877
16 Claims. (Cl. 179—81)



1. In a common battery telephone system, a central office, a subscriber's station equipment including a transmitter, a line therebetween, means to connect said transmitter across the line, a relay in series with the line and adapted to operate and partially close a holding bridge across the line when a connection is made to the line at the central office and the transmitter is connected across the line at the subscriber's station, said holding bridge including the winding of said relay, and other means under control of the subscriber for completing said holding bridge and thereafter disconnecting said transmitter from the line.

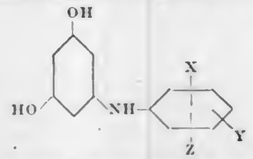
2,069,039

ARYLAMINO-HYDROXYBENZENES

Leopold Laska and Oskar Haller, Offenbach-on-the-Main, and Arthur Wedermann, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 5, 1935, Serial No. 30,016. In Germany January 20, 1933
3 Claims. (Cl. 260—128)

1. The compounds of the general formula:



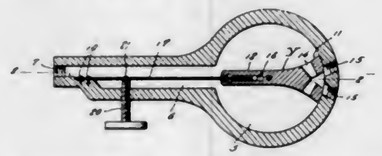
wherein X stands for one of the group consisting of hydrogen, methyl and chlorine, Y for one of the group consisting of hydrogen, nitro and chlorine and Z for one of the group consisting of hydrogen and chlorine.

2,069,040

TEMPERATURE REGULATING VALVE

William B. Lodder, Syracuse, N. Y.

Application October 27, 1934, Serial No. 750,339
5 Claims. (Cl. 236—12)



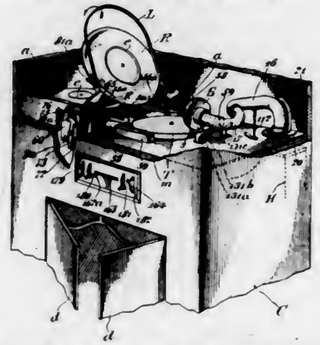
1. A temperature regulated valve comprising a mixing chamber having a pair of adjacent intake openings and an outlet opening located remotely from the inlet openings, said mixing chamber including an elongated extension opposite the intake openings and having the outlet opening in the extremity of the extension, a substantially Y-shaped gate including a stem and diverging wings swingably mounted in the chamber so that the ends of the wings vary the area of the intake openings and the span of the wings being greater than the space between the openings to provide an auxiliary chamber between the wings of the gate, said gate provided with an opening forming a communication between the auxiliary chamber and the mixing chamber, an elongated heat responsive element having one end anchored in the outer portion of the extension and the other end slidable in a slot provided in the stem of the gate, said slot formed longitudinally of the stem, and a screw threaded through one side of the extension and having a swivel connection with said heat responsive element.

2,069,041

METHOD OF AND APPARATUS FOR MANIPULATING ARTICLES, SUCH AS TALKING MACHINE OR PHONOGRAPH RECORDS

Rudolph F. Mallina, Atlantic City, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 16, 1929, Serial No. 340,520
75 Claims. (Cl. 274—10)



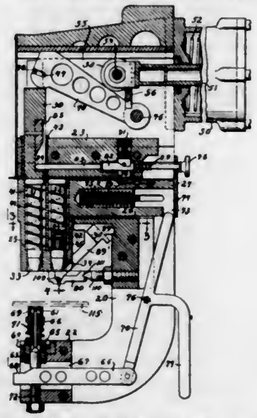
54. In a talking machine, the combination of a turntable, sound reproducing mechanism, means for supporting a stack of record tablets of different diameters and arranged in any desired order, means operative for tablets of different diameters to transfer the lowermost record in said stack to said turntable, means operative for tablets of different diameters to return a tablet from said turntable to the top of said stack, said means being operative to invert a tablet with respect to its former position on said record supporting means, and means for moving the sound reproducing mechanism outwardly from the end of a played record to the beginning of the record tablet next disposed on said turntable and controlled by the diameter of said last-named tablet as it is moved to said turntable.

2,069,042

AUTOMATIC PUNCHING AND RIVETING MACHINE

Lloyd D. Marchant, Detroit, Mich.

Application March 26, 1934, Serial No. 717,339
28 Claims, (Cl. 78—49)



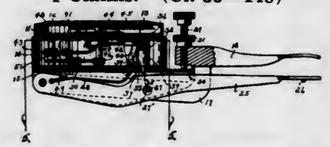
1. In a machine of the character described, a frame, a slidably interfitted punch and anvil assembly, one movable to project more or less with respect to the other, a turret movable to align different portions thereof relatively to said assembly, working elements carried by the turret and different ones of which are alignable with the assembly when the head is in different positions, said working elements being slidable in the turret toward and from the punch and anvil assembly, means carried by the frame for moving the working elements toward said assembly, including a portion movable into engagement with the turret in a direction transverse to the direction of movement of the turret to lock the latter against movement when one of said working elements is being so moved toward the punch and anvil assembly, and means for changing the effective distance with which one element of said punch and anvil assembly projects relatively to another, whereby when the punch projects sufficiently it may be used for punching, and when sufficiently retracted the assembly may be used for upsetting.

2,069,043

POPPET VALVE CLEARANCE INDICATING CALIPER

William M. Miller, Perry, Iowa

Application September 9, 1935, Serial No. 39,705
4 Claims. (Cl. 33—148)



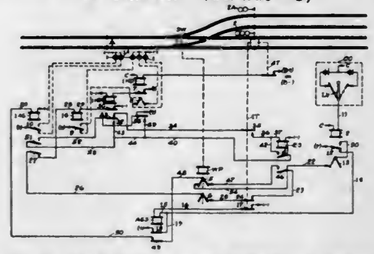
4. In a poppet valve clearance indicating caliper, a base portion, a caliper arm hingedly secured to said base portion, a manually operated means for adjustably limiting the swinging action of the said caliper arm away from said base portion, a second caliper arm hingedly secured to said base portion, a means for yieldingly holding said second caliper arm away from said base portion, a stop means for limiting the swinging action of said second caliper arm away from said base portion, a gauge mechanism rigidly secured to said base portion and having a movable member capable of being contacted by said second arm.

2,069,044

CENTRALIZED TRAFFIC CONTROL SYSTEM FOR RAILROADS

Robert M. Phinney, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

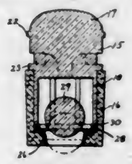
Application August 7, 1930, Serial No. 473,524
32 Claims. (Cl. 246—3)



1. In a traffic controlling system for railroads, a high-speed signal and a low-speed signal governing traffic in one direction over a track switch in one position, a remotely controlled device op-

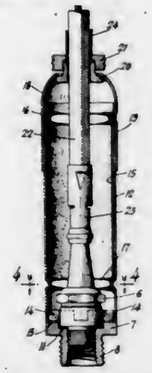
erable to hold said signals at stop or tend to cause one or the other to clear, track circuits for governing the high-speed signal, a stick relay energized by a train moving in the direction of traffic governed by said signal, and a circuit for clearing the low-speed signal governed by said stick relay and said remotely controlled device.

2,069,045
BOTTLE STOPPER
Giuseppe F. Pinsuti, New York, N. Y.
Application August 11, 1934, Serial No. 739,452
10 Claims. (Cl. 215—26)



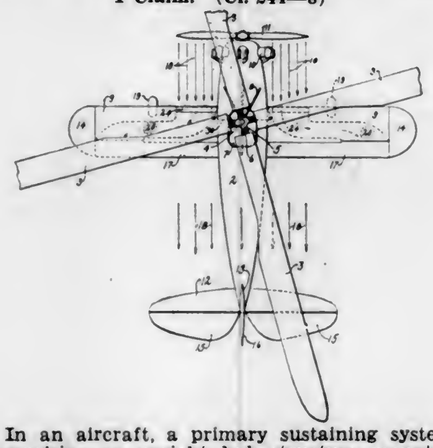
1. In a bottle stopper, a body member having a vented head adapted to fit within the neck of the bottle, a base member therefor, valve means for closing communication therethrough including a closure element within the body member, a seat for the closure in the bottom of the base member, and means interposed between the closure and its seat for wedgingly positioning the same thereon.

2,069,046
SPARK PLUG SHIELD
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 12, 1935, Serial No. 1,559
4 Claims. (Cl. 123—169)



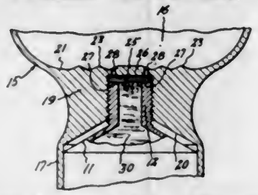
1. In a spark plug shielding device, a base having a shield supporting part at its upper end, and a depending tubular part which is threaded externally to screw into a threaded opening, and threaded internally to receive a spark plug; a tubular casing secured to said base and supported thereby and extending upwardly therefrom, so as to enclose a spark plug supported by said base; a lining of insulating material within said casing; a slidable cover fitting outside the upper part of said casing for closing the open end thereof; and a gland carried by the upper end of said cover and through which a supply conductor may enter into said casing, and whereby a sheath surrounding said supply conductor may be secured to the upper end of said cover.

2,069,047
AIRCRAFT CONTROL
James G. Ray, Hatboro, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application December 3, 1931, Serial No. 578,653
Renewed March 4, 1935
1 Claim. (Cl. 244—8)



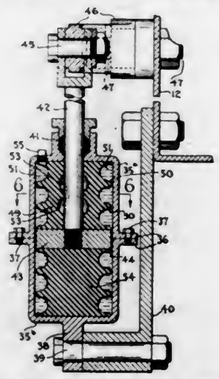
In an aircraft, a primary sustaining system comprising an upright hub structure mounted so that it may be freely rotated, sustaining wings or blades pivoted on said structure in position to be rotated by relative air flow whereby substantially vertical descent may be obtained, means of forward propulsion for the craft, fixed wing means extending laterally of the craft, controllable ailerons on said fixed wings, air conduits in said fixed wings extending from zones in the path of travel of slipstream from said forward propulsion means to zones adjacent the most effective area of said ailerons, said conduits having inlets at said first mentioned zones and outlets at said second mentioned zones, closure means for said inlets, releasable latch means for holding said closure means in closed position, and resilient means normally urging said closure means to open position so as to supplement the action of the slipstream in holding the closure means open, upon release of the latch, whereby to assure concentration of slipstream over said effective portion of the ailerons at low speeds and in vertical descent.

2,069,048
LATHER BOWL
August W. Rehberger, Brooklyn, N. Y.
Application June 3, 1935, Serial No. 24,660
3 Claims. (Cl. 145—136)



2. A device of the character described comprising a bowl, means extending beneath the bottom thereof adapted to have secured thereto the nipple of a collapsible tube, openings formed in the bottom of said bowl communicating said nipple with the interior of said bowl, said openings being adapted to be closed and opened by said nipple upon movement thereof relative to said bowl.

2,069,049
SHOCK ABSORBER
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 14, 1933, Serial No. 693,632
7 Claims. (Cl. 267—21)



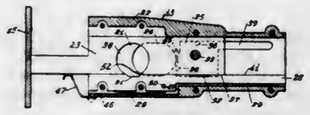
5. In a shock absorber, the combination of a closed housing, a piston therein mounted intermediate the ends of said housing and slightly spaced from the side walls thereof, said piston being movable within said housing, a liquid disposed in said housing at opposite sides of said piston, and a rubber member disposed in said housing on each side of said piston, each of said rubber members having a portion of less cross-sectional area than the cross-sectional area of the housing taken on the same plane, whereby to provide a space between the wall of said rubber member and the adjacent wall of said housing, in which space said fluid is normally disposed, each of said rubber members being adapted to be deformed by movement of said piston in a direction toward one end of said housing, the rubber member on one side of said piston increasing in cross-sectional area and the rubber member on the other side of said piston decreasing in cross-sectional area to displace the liquid from said end of the housing to the other end of said housing on the other side of said piston.

2,069,050
POTHEAD DEVICE
Louis H. Thullen, Chicago, Ill., assignor to G. & W. Electric Specialty Company, Chicago, Ill., a corporation of Illinois
Application November 14, 1929, Serial No. 407,074
Renewed October 22, 1934
11 Claims. (Cl. 173—353)



1. In a device of the character described, the combination of a cable and a tubular insulator member adapted to enclose the upper end of said cable, a cylindrical expansible member adapted to be connected at one end to the insulator member and at the other end to the cable, and means for connecting the ends of said expansible member to the parts to which they are adapted to be connected, said means including a shoulder on the insulator member, an annular member provided with an annular flange, a washer between the said shoulder and flange, and a second member movable relative to the flange for clamping said washer to form a non-leakable connection between one end of said expansible member and the part to which it is connected.

2,069,051
COIN AND TOKEN SEPARATOR
Walter A. Tratsch and Bernhard C. Grunig, Chicago, Ill.
Application May 4, 1936, Serial No. 77,670
5 Claims. (Cl 194—102)

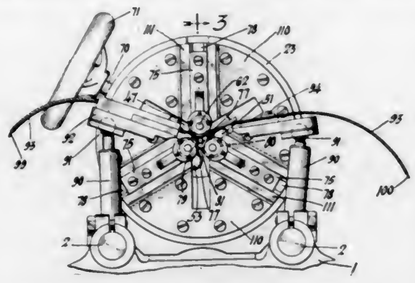


1. A coin and token separator comprising a guide structure; a coin slide carried by the said guide structure and provided with a coin or token-receiving aperture; a second guide structure supported by and arranged below the said first-named guide structure and including a bottom wall provided with a token-discharge aperture and with a coin-discharge aperture, said discharge apertures being spaced from each other in the direction of the axis of movement of said slides; a coin slide carried by the said second-named guide structure for movement by, and in a plane substantially parallel to and below, the said first-named slide, and said second-named slide having a token or coin-receiving aperture formed therein with an open side wall opening into the edge of said slide and the same being adapted to receive a coin or token discharged from the said coin aperture of said first-named slide; means including a selector member co-acting with the said second-named slide to support a coin having a diameter slightly greater than that of a token of predetermined size in a plane substantially parallel to the plane of the said coin apertures and of said second-named slide during movement of the said coin past the said token-discharge aperture and into the said coin discharge aperture, said second guide structure having a peg-receiving formation, and said selector member having a peg opening and being rendered ineffective in its aforesaid coin supporting operation by means of a peg inserted in the said peg-receiving formation in the guide structure and in the peg opening of the selector member.

2,069,052
CASING MACHINE
Hartwell W. Webb, Flint, Mich., assignor to General Motors Corporation, Flint, Mich., a corporation of Delaware
Application September 29, 1934, Serial No. 746,241
17 Claims. (Cl. 113—35)

1. In a casing machine having a supply of unformed material, rotating means upon which the material may be formed, a plurality of other rotating means adjacent to and coacting with the first named means to feed the material and press

it against the first named means, and means for independently varying the speed of one rotating

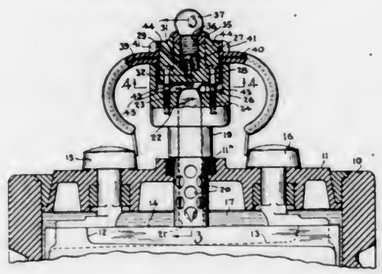


means with respect to the other during the forming operation.

2,069,053
VULCANIZED RUBBER AND METHOD OF VULCANIZING THE SAME
John E. Whittenberg, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application May 8, 1934, Serial No. 724,621
6 Claims. (Cl. 18—53)

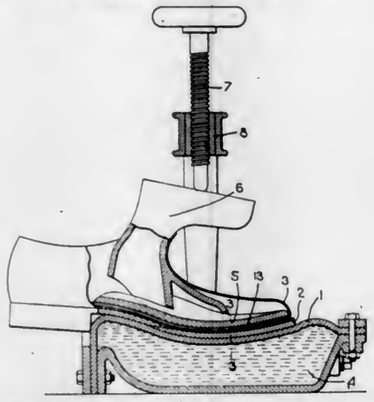
1. The method of vulcanizing rubber which comprises heating it in the presence of a vulcanizing agent and lead bornyl-xanthogenate.

2,069,054
WARNING DEVICE
Leland R. Adams, Silver Lake, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio
Application October 15, 1935, Serial No. 45,024
2 Claims. (Cl. 136—182)



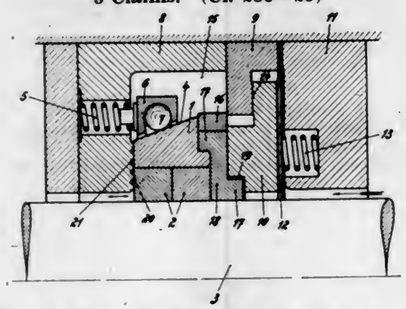
1. A warning device for use in charging and discharging batteries, said device comprising a structure of non-corrosive, dielectric material having a portion insertable into the electrolyte of a storage battery cell, a thermally operated electrical switch within said last-mentioned portion and exposed to said electrolyte, a pair of resilient contact arms extending from the structure and engageable with the opposite poles of the battery cell, a socket adapted to receive an electrically operated warning signal connected in series with said contact arms through the agency of said switch, and a soft rubber structure about said socket and so constructed as to make sealing engagement with the warning signal so as to exclude corrosive fumes from the metallic portions of the device.

2,069,055
SOLE PLATE FOR SHOE PRESSES
William S. Anderson, Philadelphia, Pa., assignor to Shoe Press Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 12, 1935, Serial No. 31,054
2 Claims. (Cl. 12—123)



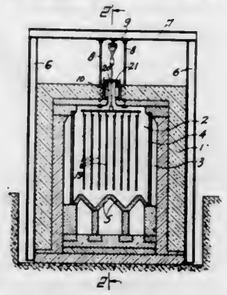
1. A sole plate for use in a solepress while resoling shoes, said sole plate having a bottom sole-engaging surface, the central portion of which is slightly convex to approximate the complemental shape of the foot-engaging surface of the sole of the average broken-in shoe, and the marginal portion of which is flat in a direction at right angles to the edge of the sole plate and has a non-tangential relation with said convex surface by which a salient angle is formed between said outer portion of the convex surface and said flat marginal portion.

2,069,056
STUFFING BOX PACKING
Paul Barry, Essen-on-the-Ruhr, Germany
Application March 28, 1935, Serial No. 13,495
In Germany February 22, 1934
5 Claims. (Cl. 286—23)



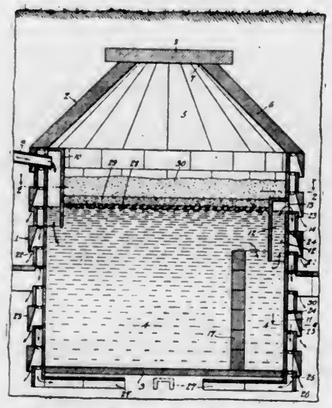
1. A stuffing box for piston rods, shafts or the like, comprising a packing chamber, spring-actuated compression rings in said chamber and packing rings carried by said compression rings and pressed by them against the member to be packed, one of the chamber walls disposed around said member to be packed being spring pressed for automatically pressing against the packing rings and directly faces the pressure side for keeping injurious pressure and dirt away from the inside of the packing chambers and increasing the life of the member packed.

2,069,057
FURNACE
Elmer W. Dany, Cleveland, Ohio, assignor to Ferro Enamel Corporation, Cleveland Ohio, a corporation of Ohio
Application April 6, 1935, Serial No. 15,074
7 Claims. (Cl. 25—132)



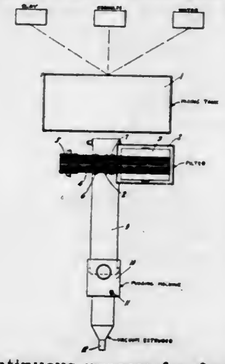
1. In a furnace having a burning chamber and a slot extending longitudinally of the top of said burning chamber, a track supported above said slot, a plurality of work supporting bars extending through said slot into the burning chamber and being supported at their upper ends on said track, a sealing member adapted to cover the slot in the top of the burning chamber throughout its entire length at all times during furnace operation including the time when said work supports are withdrawn from the furnace for loading or unloading, and means for moving said sealing member and supporting bars longitudinally of said furnace.

2,069,058
SEPTIC TANK
George W. Davis, Mineola, N. Y.
Application August 17, 1935, Serial No 36,726
3 Claims (Cl. 210—6)



1. A septic tank for sewage disposal, comprising a hollow body having an inlet member near the top and an outlet a short distance above the inlet end of said inlet member but on the diametrically opposite side of said body, and means in the body on the opposite side to said inlet member forming an effluent chamber, a conduit extending from said outlet to a position within said effluent chamber for directing liquid from said effluent chamber to said outlet, said conduit having its inlet end below the inlet of the effluent chamber, said body being provided with a foraminous outer portion into which said conduit discharges whereby the liquid passing from said conduit will be distributed over a wide surface.

2,069,059
METHOD OF PRODUCING CERAMIC WARE
Albra H. Fessler, Flint, Mich., assignor to General Motors Corporation, Flint, Mich., a corporation of Delaware
Application August 23, 1934, Serial No. 741,089
5 Claims. (Cl. 25—156)



1. In a continuous process for forming blanks for ceramic ware, the successive steps of mixing the necessary ingredients with water, continuously filtering the mixture, heating and partially drying the filtered substance, further continuously mixing the partially dry result under vacuum and extruding it under vacuum.

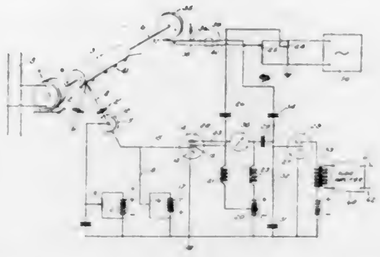
2,069,060
ALKALI-FREE CERAMIC MATERIALS AND METHOD OF MAKING SAME
Albra H. Fessler, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application December 14, 1935, Serial No. 54,428
8 Claims. (Cl. 23—142)

1. The method of producing ceramic materials substantially free of alkali which consists in adding boric acid to ceramic material containing alkaline impurities and heat treating the material to an extent to volatilize the boric acid and with it the major portion of the alkali.

2,069,061
SYNCHRONIZING SYSTEM
William G. H. Finch, New York, N. Y.
Original application February 26, 1936, Serial No. 65,869. Patent No. 2,047,863, dated July 14, 1936. Divided and this application April 15, 1936, Serial No. 74,419
6 Claims. (Cl. 178—69.5)

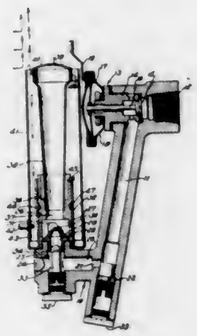
1. In a telepicture system, a source of carrier current; means for transmitting said carrier with amplitude varying in accordance with the shading of a picture to be transmitted; means for cyclically transmitting said carrier with a predetermined amplitude; means for receiving and amplifying the transmitted signals comprising a first and second amplifier tube connected in opposed relationship including a common anode potential lead said amplifier tubes being suitably biased to produce a change in the amplitude of the anode current of said lead in response to said cyclically transmitted signals; a receiver scanning

mechanism comprising a rotatable member; means for synchronizing the rotation of said member comprising a synchronizing magnet connected in series with said common anode potential lead; means for normally short circuiting



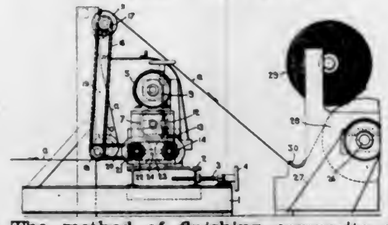
said magnet during the intervals of picture recording; and means for cyclically rendering said magnet responsive to said anode current for maintaining said member in synchronous rotation.

2,069,062
GAS BURNER
Trygve Forberg, New York, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application May 19, 1934, Serial No. 726,493
4 Claims. (Cl. 158—106)



1. In a gas burner, a cylindrical housing forming a mixing chamber having a gas inlet orifice and air inlet ports, a burner tube extending from one end of said mixing chamber in line with said gas inlet orifice, an air shutter comprising a perforated sleeve journaled on said housing and having a flange at one end, a dust prevention tube located concentrically around said burner tube and shutter in spaced relation thereto, one end of said dust tube being secured to said flange and the other end of said dust tube terminating immediately adjacent the end of said burner tube, said dust tube, air shutter, and burner tube cooperating to form a substantially annular passage for primary air from a point immediately adjacent the burner flame to said air inlet ports, and a perforated cap on the end of said burner tube having radial projections extending into sliding engagement with the inner surface of said dust tube to space the open end of the dust tube with respect to said burner tube.

2,069,063
METHOD OF FINISHING COMPOSITE PAPER SHEET MATERIAL
George E. Gibbs, Attleboro, Mass., assignor to American Reenforced Paper Company, Attleboro, Mass., a corporation of Massachusetts
Application January 4, 1935, Serial No. 353
4 Claims. (Cl. 154—2)



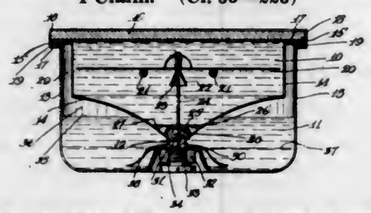
1. The method of finishing composite sheet material where layers have been secured together face to face by hot asphaltum which has the tendency to eliminate the moisture of the composite sheet material, applying to one of the paper layers only a liquid to return to that layer the moisture that was expelled therefrom by the heated thermoplastic, and winding the composite paper sheet into a roll with a moistened surface of the paper layer facing outwardly so that the unmoistened paper layer of the next wind shall contact with the moistened layer of the previous wind and transmit to the unmoistened layer the normal moisture that was expelled by the heated asphalt.

2,069,064
SYRUP
Herbert C. Gore and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application June 17, 1932, Serial No. 617,864
14 Claims. (Cl. 127—30)

11. As an article of manufacture, a syrup rich in levulose having a sugar content greater than 60%, consisting preponderatingly of levulose containing dextrose and naturally accompanying flavoring substances, which does not crystallize upon standing and which is of greater sweetness and hygroscopicity than invert sugar.

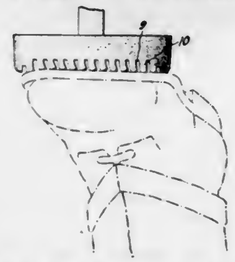
14. A process for the production of a non-crystallizing syrup which comprises inoculating a syrup containing invert sugar which has a sugar solid content of at least 65% with crystalline dextrose, allowing crystallization to take place and separating crystals from the liquid.

2,069,065
COMPASS
John L. H. Hand, Bala-Cynwyd, Pa.
Application March 9, 1935, Serial No. 10,319
1 Claim. (Cl. 33—223)



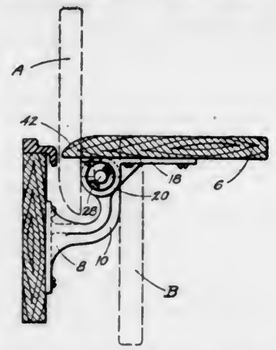
In a compass of the type indicated, a compass box comprising a card chamber having an opening at a low part of the chamber, an expansion chamber communicating with the card chamber through the opening, and damping liquid completely filling the card chamber and opening and partially filling the expansion chamber to a depth above the opening, the card and expansion chambers comprising coaxial cup members having upper peripheral flanges mating together, a packing ring upon the flange of the upper member, a glass upon the packing ring and means for clamping the glass and packing ring and peripheral flanges together.

2,069,066
PEDAL PAD
Albert S. Harbour, Pontiac, Mich.
Application March 7, 1936, Serial No. 67,608
3 Claims. (Cl. 74—563)



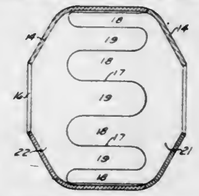
1. A treadle having a foot pad of soft pliable rubber, said pad having therein a series of spaced and relatively narrow deep grooves across the face thereof and a succession of bendable columns each of a width considerably greater than the width of said grooves but less than the depth of the grooves, whereby to overlie each other upon bending thereof under pressure, said columns having square cornered flat tops which present a succession of knife edges upon the aforementioned bending of the columns.

2,069,067
ADJUSTABLE SHELF
Cyrus F. Hoffman, Trenton, N. J., assignor to C. V. Hill and Company, Incorporated, Trenton, N. J., a corporation of New Jersey
Application December 19, 1934, Serial No. 758,187
5 Claims. (Cl. 248—240)



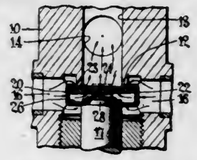
1. An adjustable bracket for a shelf or the like comprising a bracket member and a shelf supporting member, pivot means carried by one member and lying in an open sided recess in the other member, means on said other member retaining said pivot means in said recess and spring means yieldably retaining said pivot means in engagement with said retaining means.

2,069,068
METHOD OF MAKING WHEELS
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application March 9, 1936, Serial No. 67,898
10 Claims. (Cl. 29—159.03)



2. In the manufacture of wheels, the method of making wheel bodies which comprises providing a metal ring, deforming the ring to produce an axially extending central annular zone and substantially radially extending annular side portions, severing the ring in said central annular zone along a serpentine line to produce a pair of wheel bodies each having spaced axially extending spoke members at its periphery, and thereafter deforming the spoke members to produce substantially radially extending spokes having axially extending rim seats at their outer extremities.

2,069,069
VALVE FOR MOTOR VEHICLE SUCTION LINES
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application November 6, 1933, Serial No. 696,876
4 Claims. (Cl. 137—139)

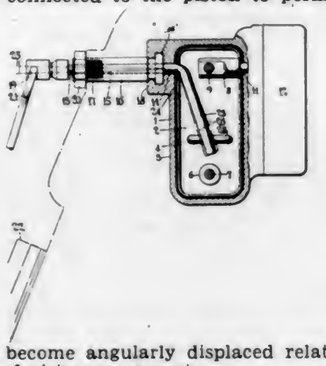


1. A control for motor vehicle accessories comprising a valve seat, a valve disc engaging the seat, and an electro-magnetic valve actuator having a play connection with the valve for forcing the valve from its seat, said connection including shoulder portions in different transverse planes for engaging and supporting the margin of the valve at an incline to its seat whereby to initially break the fluid seal by tilting the valve upon its seat during a valve opening movement.

2,069,070
WINDSHIELD CLEANER MOTOR
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 5, 1934, Serial No. 733,919
9 Claims. (Cl. 121—97)

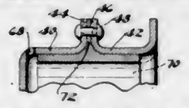
2. A fluid pressure operated motor for windshield cleaners, comprising a motor casing having a piston chamber and piston adapted for swinging in the piston chamber, a wiper operating shaft loosely journalled in the casing for

angular displacement and having a crank part movably connected to the piston to permit the



shaft to become angularly displaced relative to the axis of piston movement.

2,069,071
BRAKE DRUM
J Harold Hunt, Lansing, and Andrew S. Van Halteren, East Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application July 18, 1931, Serial No. 551,682
8 Claims. (Cl. 188—218)



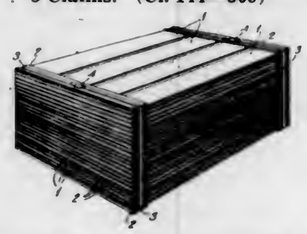
3. A brake drum, comprising a shell consisting of a plurality of parts, a liner inside of the shell, a flange on the outside of the liner fitting between the parts of the shell, and means for securing the parts of the shell to each other.

2,069,072
MATTRESS COVER AND METHOD OF MAKING THE SAME
James Reid Johnson, New London, Conn., assignor to The Palmer Brothers Company, New London, Conn., a corporation of Connecticut
Application March 1, 1935, Serial No. 8,789
7 Claims. (Cl. 41—17)



4. The method of making ornamented mattress facings, consisting of producing a textile strip of half the width of the facing and having thereupon a continuous repetition of uniformly spaced, complementary design units of a distinctive pattern and similar longitudinal trends along each edge, each unit being evenly divisible into the length and width of the facing, cutting the strip diagonally at 45 degree angles into four relatively reversed right angled triangles and four relatively reversed elongated pieces with oppositely inclined ends and with sides evenly divisible by the design units, assembling two alternate, elongated pieces and two alternate triangles into a complete, closed panel design the ornamentation of which has a continuous design trend, and assembling the other elongated pieces and triangles into another closed panel design having a relatively reversed, continuous design trend.

2,069,073
ART OF FORMING ASSEMBLIES
George F. Linquist, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
Application July 2, 1935, Serial No. 29,460
5 Claims. (Cl. 144—309)



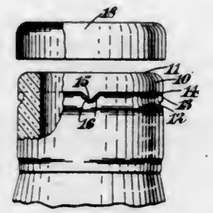
1. The method of making composite box sides and the like and bundling the same; which comprises providing a plurality of assemblies each formed by gluing cross cleats to each end of the face of body-forming means; stacking such assemblies, with the cleats at the ends thereof alined in sets; and, before the glue has set, binding the stacked assemblies into a bundle with the cleats in close contact with the body material by tightly applying tie-means to the portions of the stack containing the alined cleats, and firmly securing the tie-means to hold the members of each assembly tightly together during the setting of the glue and at the same time to bind the associated assemblies in a bundle for handling or shipment.

2,069,074
CARBONACEOUS FUEL AND METHOD OF PREPARING THE SAME
James Henry Lum and Rodger Lewis Schaefer, Dayton, Ohio, assignors to Stonega Coke and Coal Company, Incorporated, Philadelphia Pa., a corporation of Delaware
No Drawing. Application June 11, 1934, Serial No. 730,169
8 Claims (Cl. 44—4)

1. An improved carbonaceous fuel of the character described having a reduced clinkering tendency comprising a fuel having added thereto a small quantity of a mixture of refractory clay and bauxite in predetermined controlled proportions such that the combined effect of said mixed materials with respect to raised softening temperature of the fuel ash is in excess of the effect produced by comparable amounts of either constituent if used alone.

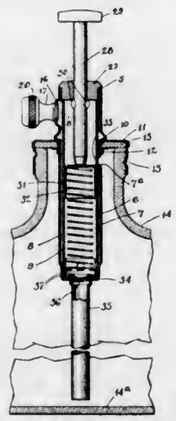
2,069,075
BOTTLE OR LIKE CONTAINER
Frank May Lunn, London, England, assignor to United Dairies (London) Limited, London, England, a British company
Application April 10, 1935, Serial No. 15,678
In Great Britain April 20, 1934
5 Claims. (Cl. 215—38)

1. In combination a bottle or like container comprising an external rib around the container in the neighborhood of the mouth thereof and formed with a downwardly directed shoulder, said rib being provided with a plurality of swaging projections extending downwardly therefrom and having edges forming parts of said shoulder, and a deformable cap completely covering said swag-



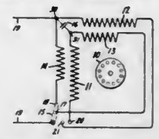
ing projections and having its skirt portion swaged under said downwardly directed shoulder at all points around the complete periphery of the mouth of the bottle.

2,069,076
SPRAY DEVICE
Stanley Majewski, Glendale, Long Island, N. Y.
Application May 24, 1935, Serial No. 23,140
10 Claims. (Cl. 103—211)



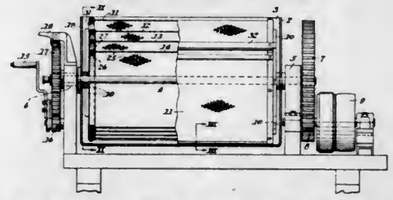
1. A spray device of the class described comprising an elongated cylinder unit consisting of inner and outer tubes arranged one directly within the other to seal said tubes at oposite end portions thereof, a restricted discharge chamber extending longitudinally of and between adjacent walls of the tubes intermediate the sealed ends thereof, the inner tube forming a pump cylinder closed at one end by a cap or plug and a reduced feed tube communicating with the other lower end of said cylinder, the wall of the inner tube having adjacent the lower end thereof a passage opening into said discharge chamber, the outer tube having a discharge passage adjacent the upper end thereof and communicating with the upper end of said discharge chamber, a piston in the pump cylinder, tensional means for moving the piston upwardly in said cylinder, and a plunger rod slidably mounted in said cap and independent of and adapted to engage said piston to move the same downwardly in the cylinder against the action of said tensional means in the operation of forcing fluid from the cylinder and in discharging the same through said discharge chamber and passage.

2,069,077
TWO-SPEED CAPACITOR MOTOR
G. Eberhard Michelsen, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application July 31, 1936. Serial No. 93,629
6 Claims. (Cl. 172—278)



1. A split-phase motor having main and start windings of one pole number and main and start windings of another pole number, a line terminal connected to one end of each main winding, a connection between one end of each start winding, a circuit including a phase-shifting device connected between said terminal and said connection, a second line terminal, and an energizing switch for the motor for connecting said second line terminal to the other ends of the main and start windings of one pole number or to the other ends of the main and start windings of the other pole number.

2,069,078
APPARATUS FOR PRODUCING CELLULAR CEMENTITIOUS MATERIALS
John A. Rice and Richard B. Rice, Berkeley, Calif., assignors to Bubblestone Company, Berkeley, Calif., a corporation of Pennsylvania
Application December 15, 1934, Serial No. 757,635
8 Claims. (Cl. 83—73)



1. An aerator of the character described, comprising a container, an outer perforated cylinder mounted for rotation within the container, means including a driven shaft for rotating said cylinder about the axis thereof, and a plurality of perforated cylinders of graded diameters mounted one within the other and within said first-mentioned perforated cylinder, each of said inner cylinders being freely revoluble in the outer cylinder and having rings thereon cooperating with adjacent rings of an adjacent cylinder to provide bearing supports between said cylinders.

2,069,079
STEM FOR ELECTRIC LAMPS AND SIMILAR ARTICLES
Frank H. Rudd, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application July 10, 1935, Serial No. 30,639
8 Claims. (Cl. 49—78)

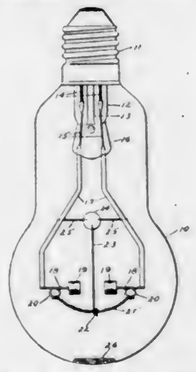
1. The method of making stems for electric incandescent lamps and similar devices which consists in assembling a stem tube and a pair of leading-in conductors with the said conductors adjacent the inner wall of said stem tube and on opposite sides thereof, fusing a portion of said stem tube to produce a solid fused mass of glass closing off said tube and enclosing said

leading-in conductors, clamping said mass about said conductors and compressing the portion thereof between said conductors to a greater extent than the remainder so as to force the glass



thus compressed outward around said conductors and leave the portion of said mass of glass between said conductors of thinner cross-section than the portion around said conductors.

2,069,080
ARC LAMP
Alfred Rüttenauer, Berlin-Charlottenburg, and Otto Fritze, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application January 26, 1932, Serial No. 589,004
In Germany February 23, 1931
3 Claims. (Cl. 176—1)



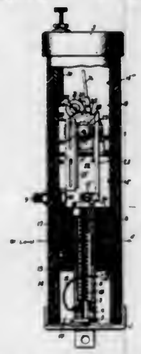
1. In an electric lamp, the combination of a pair of separated electrodes, a filament in multiple with the gap between said electrodes and means for supporting said filament and having a loose connection therewith comprising lead wires having holes therethrough and headed pins passing through said holes and united to said filament.

2,069,081
ELECTRIC INCANDESCENT LAMP
Kazuo Setoguchi, Tokyo, Japan, assignor to General Electric Company, a corporation of New York
Application May 26, 1933, Serial No. 673,661
In Japan May 31, 1932
5 Claims. (Cl. 176—4)



1. The method of producing an energy translation element for electric lamps and similar devices which comprises winding a wire around a mandrel to form a coil thereon and subsequently pressing said coil and mandrel into the shape of a ribbon.

2,069,082
AUTOMATIC RECLOSING ELECTRIC CIRCUIT INTERRUPTER
Ludwig S. Walle, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application December 24, 1934, Serial No. 758,902
8 Claims. (Cl. 200—89)



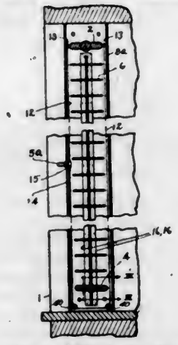
1. An electric circuit interrupter of the reclosing type comprising circuit interrupting means, means for reclosing said interrupting means after a circuit opening operation, a lockout member, and means including a ratchet and gear train operatively connected to said interrupting means arranged to advance said member during each reclosing operation, said member being moved by said ratchet to a restrained position in response to a predetermined number of consecutive reclosures so that on the next opening operation said interrupting means is held in open circuit position.

2,069,083
SHOE WITH ELASTIC PORTION
Percy Adamson, Rye, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 26, 1932, Serial No. 639,581
2 Claims. (Cl. 36—51)



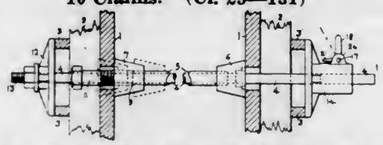
1. In an article of footwear, an upper composed at least in part of a relatively thin woven elastic fabric formed of inelastic threads of textile material and elastic threads of a diameter not greater than .025 of an inch, the elastic threads being formed of an elastic core covered with textile yarn, said fabric having at least one face thereof coated with an elastic binder that will allow the full stretch of the fabric and being provided with flock material secured to the fabric by said binder.

2,069,084
VENETIAN BLIND
George F. Brent and James M. Guthrie, Pittsburgh, Pa.; said Guthrie assignor to said Brent
Application September 18, 1935, Serial No. 41,157
12 Claims. (Cl. 156—17)



1. In a Venetian blind including a vertical series of horizontally extending slats and means for tiltably supporting the slats, the combination of two vertical, horizontally spaced-apart ways into which said slats at their opposite ends extend, and means organized in one of said ways for tilting the slats.

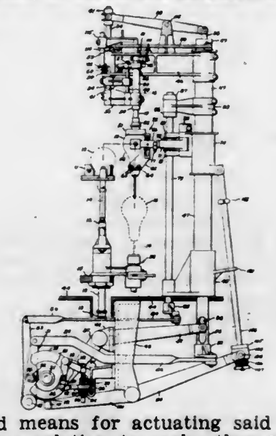
2,069,085
ADJUSTABLE CONCRETE FORM SPACER AND CLAMP
Roy C. Day, Delphi, Ind.
Application March 25, 1935, Serial No. 12,953
10 Claims. (Cl. 25—131)



3. In concrete form devices, a pair of forms, means for adjusting the forms to a predetermined distance apart and means for aligning the forms to a given standard, such means comprising a rod which projects from the forms, a spacing tube on the rod, a pair of cones on the tube and the rod, means for adjusting one cone by a sleeve loose on the rod and threaded in the cone, means for forcing one form against said cone, and means on the other end of the rod for forcing the forms toward each other and simultaneously holding them against separation.

2,069,086
TRANSFERRING MECHANISM
John F. Donovan, East Cleveland, and Frank J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application May 8, 1936, Serial No. 78,618
5 Claims. (Cl. 176—3)

1. In a machine of the class described, a transferring mechanism for carrying a lamp or similar device from sealing-in to exhaust heads which are indexed in and out of position before said mechanism comprising means for gripping the lamp supported by the sealing-in head, means for moving said first means and said lamp to a second position, means mounted at said second position of said first means and adjacent said exhaust head for gripping said lamp, for positioning it so that the exhaust tube is properly positioned with respect to said exhaust head and for moving said lamp to insert the exhaust tube in said



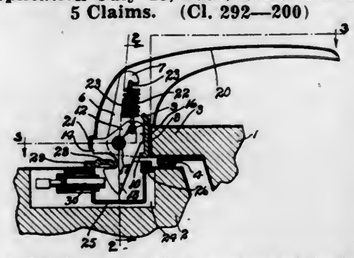
head, and means for actuating said means in proper time relation to each other and to the indexing movements of the heads.

2,069,087
APPARATUS FOR THE MANUFACTURE OF INSULATED WIRE
Edward W. Forstrom and Clifford O. Hull, Stratford, Conn., assignors to General Electric Company, a corporation of New York
Application November 28, 1933, Serial No. 700,105
8 Claims. (Cl. 18—6)



1. In an apparatus for applying a covering of insulating material to a core, means for applying insulating material to the core, a vulcanizing chamber, means for supplying a vulcanizing medium at a high pressure to the vulcanizing chamber, a seal for the vulcanizing chamber, means for supplying a fluid to said seal at a pressure in excess of the pressure in the vulcanizing medium in the vulcanizing chamber to prevent the escape of vulcanizing medium.

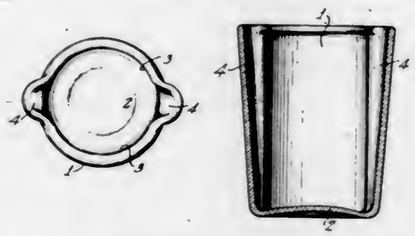
2,069,088
REFRIGERATOR LATCH
Carl Geske and George Earl De Voe, Grand Rapids, Mich., assignors to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application July 13, 1935, Serial No. 31,146
5 Claims. (Cl. 292—200)



1. A latch comprising, a support including a base plate and with spaced arms extending there-

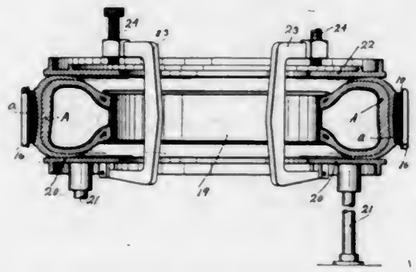
from, a latch bolt pivotally mounted between the arms, said bolt having a stop thereon adapted to engage against the base plate in one extreme position of pivotal movement, a hollow handle pivotally mounted upon the same pivot as the latch bolt and housing a portion thereof, said handle being adapted to engage the latch bolt to turn it in one direction, and spring means housed within the handle and acting on the latch bolt for yieldingly holding the latch bolt in either of its extreme positions of pivotal movement.

2,069,089
INFANT'S FEEDING CUP
Lawrence E. Goldman, St. Louis, and Aaron Fischer, St. Louis County, Mo., assignors to Midwest Consultants, Inc., St. Louis, Mo., a corporation of Missouri
Application January 13, 1936, Serial No. 58,888
7 Claims. (Cl. 65—13)



1. As a new article of manufacture, an infant's feeding cup having a pair of diametrically opposed channels in its side wall, said channels extending longitudinally of the cup and being of gradually radially outwardly increasing depth from the bottom wall of the cup to the mouth thereof.

2,069,090
TIRE RETREAD AND PROCESS OF PRODUCING AND APPLYING THE SAME
Paul E. Hawkinson, Minneapolis, Minn.
Application February 11, 1935, Serial No. 6,011
4 Claims. (Cl. 18—59)



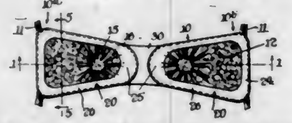
1. The method of retreading tires by the use of a mold having internal pattern forming ribs and grooves therein, which consists in forming a rubber retreading band with pattern pre-forming ribs and grooves corresponding to those of said mold; thereafter applying the band thus preformed around the tire casing and with its pattern fitting the pattern of said mold; and thereafter applying heat to vulcanize the tread rubber onto said casing while confined within said mold.

2,069,091
MATERIAL GATHERING AND LOADING MACHINE
John S. Housman, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 13, 1932, Serial No. 637,576
Renewed April 1, 1936
9 Claims. (Cl. 198—8)



6. In a loading machine, a main frame comprising a skid adapted to rest on and slide along the mine bottom, and gathering and loading mechanism therefor comprising an inclined conveyor, an inclined apron disposed forwardly of and on each side of said inclined conveyor, a plurality of orbitally guided endless chains having gathering arms thereon, said orbitally guided endless chains being guided in guide means mounted on said apron on each side of said inclined conveyor and extending forwardly of said apron, and individual drive means for each of said endless chains for driving said endless chains independently or simultaneously of each other comprising a separate motor disposed beneath each of said endless chains and having a drive connection therewith.

2,069,092
DIAPER
George H. Jackson, Jr., Evanston, Ill.
Application October 16, 1935, Serial No. 45,284
13 Claims. (Cl. 128—284)



1. A diaper comprising, in combination, an elongated holder adapted to extend between the thighs of an infant, said holder comprising a flat narrow strip of water-proof sheet material adapted to be secured at its opposite ends at the front and rear of an infant's body substantially at the level of the hip bones, a pair of elongated flat pads of absorbent material positioned on the flat surface of said elongated strip which is to face the infant's body when applied, said pads being of substantially the same width as said strip and being located relatively close to each other endwise of said strip, and means formed from water-proof sheet material and permanently attached to said strip in water-proof relation to engage the sides, ends and bordering edges of said pads to hold the same in position on said strip and form, with said strip, a water-proof sheath about the major portion of the surfaces of said pads.

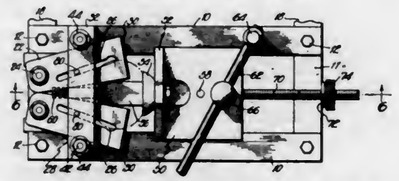
2,069,093
BOTTLE CLOSURE
Thomas F. Leahey, Poughkeepsie, N. Y.
Application February 5, 1935, Serial No. 5,017
2 Claims. (Cl. 215—72)

1. A closure for containers comprising a split band of sheet metal adapted to embrace the neck of a container, catch means releasably connecting the split ends of the band, projections extending from diametrically opposite sides of the band, a slot in one of the projections, and a closure member bridging the mouth of the container, said member also being of sheet metal and having one end inserted in said slot and



bent upon itself to form a hinge connection therefore, the other end of the closure member being bent to form a catch cooperating with the other of said projections for releasably securing the closure member to the band.

2,069,094
DEVICE FOR OPENING SHELL FISH
Thomas F. Leahey, Poughkeepsie, N. Y.
Application March 11, 1936, Serial No. 68,156
14 Claims. (Cl. 17—9)



1. A device of the character described including a supporting base, a plurality of splitting knives mounted on said base, and means for moving an article to be split into engagement with said splitting knives.

2,069,095
A HYDROXY MERCURI HALO-FLUORAN
Edward Lyons, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application July 29, 1931, Serial No. 553,888
4 Claims. (Cl. 260—13)

1. An alkali metal salt of mono-hydroxy mercuri 2,4,5,7 tetraiodo 12,15 dichloro 3,6-dihydroxy fluoran, said compound being water soluble forming a red solution having germicidal properties.

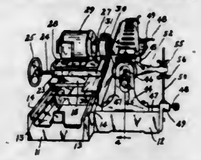
2,069,096
DERIVATIVES OF OVARIAN FOLLICULAR HORMONES AND PROCESS OF OBTAINING SAME
Donald W. MacCorquodale and Sidney A. Thayer, St. Louis, and Edward A. Doisy, Webster Groves, Mo., assignors to President and Board of Trustees of St. Louis University, St. Louis, Mo.
No Drawing. Application August 9, 1933, Serial No. 684,394
5 Claims. (Cl. 260—110)

1. The phenol type compounds

$$X—OC_{16}H_{19}(CO_2H)_2$$

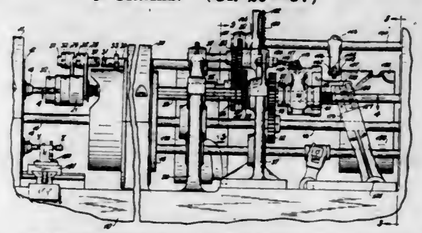
where X is H or a radical capable of protecting the phenolic group against oxidizing agents and the radical $C_{16}H_{19}$ has the same structure as in the beta ovarian hormone.

2,069,097
KNIFE GRINDER
Percy H. Root, Plymouth, Ohio, assignor to The Fate-Root-Heath Company, Plymouth, Ohio, a corporation of Ohio
Application March 23, 1935, Serial No. 12,654
4 Claims. (Cl. 51—266)



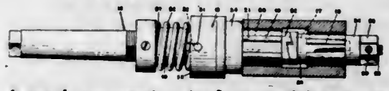
1. In a machine of the class described, a knife bar provided with end trunnions, whereby the bar may be tilted to different angular positions, the major portion of said bar being open at the top and having an elongated pocket adapted to receive and hold cooling water, and means for clamping a knife to the bar exteriorly of said pocket.

2,069,098
METALWORKING MACHINE
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application October 2, 1933, Serial No. 691,845
9 Claims. (Cl. 29—37)



1. In an automatic machine tool the combination of an indexible turret, a plurality of work chucks carried by said turret, means for intermittently rotating said turret whereby said chucks are indexed through a plurality of tool stations, a tool slide adapted to be moved towards and from said spindle turret, a movable member adapted to be reciprocated towards and from said chucks, a plurality of threading tools positioned at different tool stations, main support operatively connecting said threading tools to said member for movement therewith, and means for reciprocating said member towards and from said chucks independent of the movement of said tool slide in predetermined timed relation to the other operations of the machine.

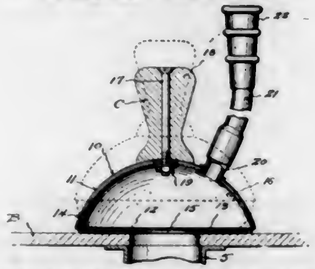
2,069,099
APPARATUS FOR FINISHING BEARING SURFACES
Harry C. Satterthwaite, Southfield Township, Oakland County, Mich., assignor to Cogsdill Manufacturing Company, Inc., Detroit, Mich., a corporation of Michigan
Application February 4, 1935, Serial No. 4,960
15 Claims. (Cl. 29—33)



1. A work processing tool comprising a revoluble member having a tapered annular surface,

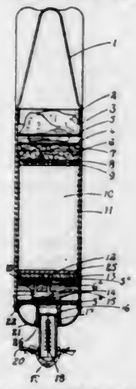
rotatable processing rolls supported upon said surface and correspondingly tapered in an opposite direction to provide for processing cylindrical surfaces, means for moving the rolls into engagement with the cylindrical surface of the work to be processed, and means operable in dependence upon rotation of the revoluble member to periodically reciprocate the rolls axially of the tapered surface.

2,069,100
WASTE PIPE CLEANER
Marian F. Szukalski, Jr. and Marian A. Szukalski, Sr., Milwaukee, Wis.
Application June 21, 1935, Serial No. 27,691
2 Claims. (Cl. 4—256)



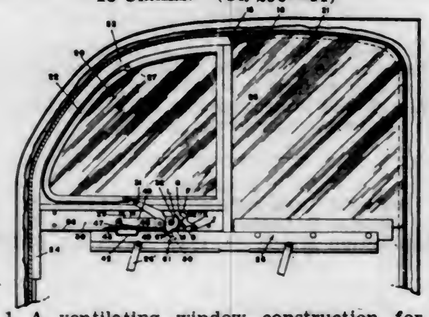
1. A waste pipe cleaner for plumbing systems comprising a thin, metallic, inverted cup-shaped member, an apertured expansible and contractible diaphragm secured to the open portion of the cup member, and a fluid-conducting pipe in communication with the cup member.

2,069,101
AERIAL FLARE
Giacinto Tabozzi, Milan, Italy
Application October 18, 1933, Serial No. 694,130
1 Claim. (Cl. 102—24)



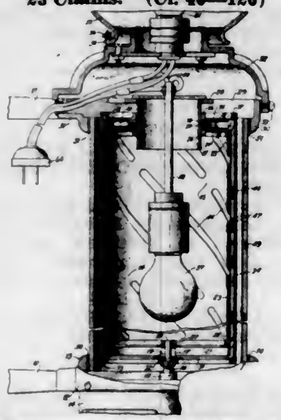
An aerial flare comprising a barrel, a detachable tail cover provided with vanes fitted on the rear end of said barrel, a parachute within the rear end of the barrel, a container for an illuminant, a tinder and expellant charge within said barrel, a wick having one end embedded in said expellant charge, a cover fixed to the front end of the barrel, a base plate integral with said cover, an internally threaded socket interposed between said fixed cover and base plate, a hollow threaded propeller shaft screwed into the socket, a propeller keyed to said shaft, a removable safety pin passing through the socket and shaft holding said shaft against rotation, an electric battery in the rear end of said hollow propeller shaft, and an electric sparking means mounted upon the base plate contacting with the free end of said wick and adapted to be electrically connected to said battery on said hollow propeller shaft moving to the innermost position in said socket by rotation of the propeller shaft during the fall of the flare.

2,069,102
VEHICLE VENTILATING DEVICE
Harold G. Thunder, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application December 24, 1934, Serial No. 759,096
13 Claims. (Cl. 296—44)



1. A ventilating window construction for a vehicle body having a window opening therein, a slidable panel pivotally mounted in the opening on substantially vertically arranged pivots for swinging movement out of the plane thereof, means for supporting the panel in the window opening including a member mounted for sliding movement relative to the panel, means mounted on the slidable panel for movement into engagement with a projection on the member aforesaid to secure the panel to said member, and a panel adjusting member operating to also actuate the last named means to move the latter into and out of engagement with the projection on the slidable member.

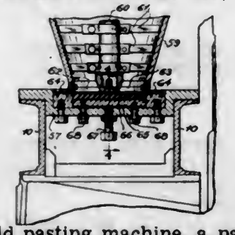
2,069,103
BARBER POLE
John W. Bestler, Chicago, Ill., assignor to Theo. A. Kochs Company, Chicago, Ill., a corporation of Illinois
Application January 10, 1935, Serial No. 1,208
23 Claims. (Cl. 40—126)



1. In an illuminated display sign of the character indicated, the combination of a cylinder

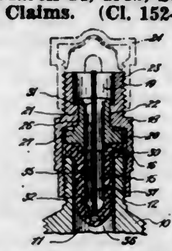
provided with a relatively opaque wall having light transmitting areas, a removable covering sheet of relatively transparent material and of a size to fit around and enclose the cylinder, a mounting for the cylinder, means for rotating the cylinder, and means within the cylinder for illuminating the same.

2,069,104
GRID PASTER
John E. Brown and Aldie B. Clark, Cleveland, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 7, 1935, Serial No. 35,088
9 Claims. (Cl. 226—39)



1. In a grid pasting machine, a paste hopper, means for applying the paste, a pasting plate at the bottom of said hopper, the upper portion of said pasting plate being resilient, and means for moving a grid over said plate during the operation of said paste applying means.

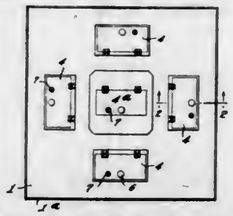
2,069,105
AIR VALVE
John F. Engle, Lakewood, Ohio
Application March 14, 1932, Serial No. 598,605
3 Claims. (Cl. 152—12)



1. A valve comprising a resilient tubular member closed at one end and including a substantially cylindrical section, a transverse slit in the side of said cylindrical section extending less than 360° about the circumference thereof, and an actuating member provided with a head embedded in the closed end of said tubular member extending through said cylindrical section projecting beyond the other end of said tubular member and adapted to open said slit upon longitudinal movement thereof, said actuating member being smaller than the opening in said tubular member so as to provide an air passage between said members.

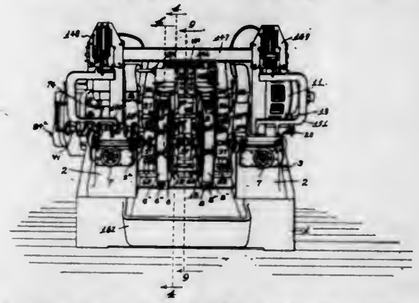
2,069,106
GAME
Owen F. Farley, Brookline, Mass.
Application November 1, 1935, Serial No. 47,791
4 Claims. (Cl. 273—136)

1. In a game of the kind in which each of a limited number of players, chosen by chance from the total number playing, is entitled in each round of play to participate and when so playing to make his choice from a number of concealed certificates-of-value, in combination, a support having a surface layer adapted to receive removable penetrating fasteners, a plurality of playing receptacles and a bonus receptacle, each of said receptacles having substantially opaque walls and an opaque movable



closure defining a shallow chamber of suitable dimensions to receive one of the certificates-of-value employed in the game, means for normally holding the closures in closed position, and fastener means detachably uniting the receptacles to the support thereby permitting the number of receptacles upon the support to be varied at will in accordance with the number of persons taking part in any round of the game.

2,069,107
MACHINE TOOL
William F. Groene, Walter R. Meyer, and George W. Luning, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application May 7, 1935, Serial No. 20,220
31 Claims. (Cl. 82—9)



1. In a machine of the character described, comprising a rotatable work holder and a tool holder related for relative feed or withdrawal of the work and tool, means for rotating the work holder, and means for causing said relative feed and withdrawal, said means for rotating the work holder being electrically driven, means operating in conjunction with the rotation of the work holder, effective for interrupting current supply for the electrical driving of the rotating means at a predetermined angular position of the rotatable work holder, said interrupting means being normally ineffective, and means operative in conjunction with the means for causing relative feed and withdrawal for rendering said interrupting means operative at a predetermined stage of the feeding and withdrawing cycle.

2,069,108
TOOL ATTACHMENT
Arthur L. Kuhlman, Bay City, Mich.
Application August 19, 1935, Serial No. 36,790
4 Claims. (Cl. 7—16)

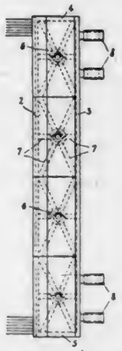
1. An attachment of the class described, and

comprising a holder formed of resilient material having a centrally disposed passage therein, a resilient clip mounted on said holder and



formed with eyes in the ends thereof, and an attachment hingedly connected to said eyes and adjustable to foldable or extendable position.

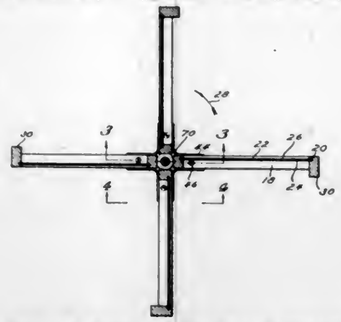
2,069,109
NEEDLE BAR
Anton Loimann, Chemnitz, Germany
Application August 21, 1936, Serial No. 97,293
In Germany August 23, 1935
1 Claim. (Cl. 66—114)



A girder-like needle bar stiffened by ribs for flat hosiery machines, which needle bar forms a box-shaped girder and is stiffened at its inside by lattice work ribs, cavities being provided at the points of intersection of the said ribs, cavities for letting the screw bolts, belonging to the covers, pass through, and bearing eyes being attached by casting to the underside of the girder, the thickness of the walls of the bearing eyes approximating that of the girder walls.

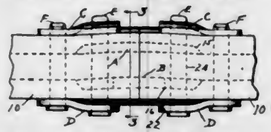
2,069,110
TRAVELING SIGN
Theodore Naus, Ionia, Mich.
Application June 22, 1936, Serial No. 86,649
3 Claims. (Cl. 40—39)

1. A device of the type described comprising a standard, a plurality of frames rotatably mounted on said standard, a sign panel positioned within each frame, said panels being arranged and offset in parallel relation with their respective frames, to provide a deep air pocket



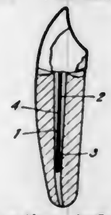
on one side of each frame and a shallow air pocket on the opposite side.

2,069,111
BELT END FASTENER
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application April 24, 1936, Serial No. 76,138
13 Claims. (Cl. 24—31)



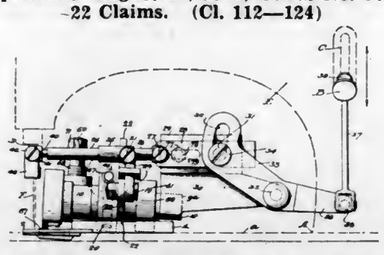
1. The combination with adjacent ends of a belt; of means for connecting said ends including: a plurality of rigid links having their respective ends extended within the material of the belt ends, said links being spaced radially of the belt and curved lengthwise thereof to adapt the belt to conform to the pulleys; and securing elements extending radially of the belt through the respective belt ends and embedded ends of the links, certain of said elements and links being so connected to allow of slight circumferential play therebetween in compensating for the difference in tension and compression between the outer and inner portions of the belt material while passing over the pulleys.

2,069,112
DEVICE FOR TREATING THE TOOTH-ROOT MEMBRANE
Sally Oppenheim, Erfurt, Germany
Application January 3, 1933, Serial No. 649,991
In Germany January 14, 1931
1 Claim. (Cl. 128—409)



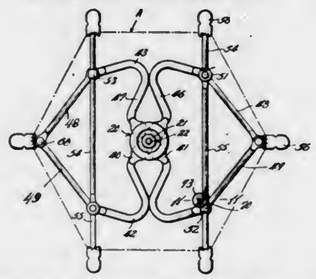
A device for treating inflammations of the tooth-root membrane, comprising an electric couple consisting of a gold and a silver wire connected end to end by gold solder and adapted to be inserted in the cavity of the tooth.

2,069,113
PINKING ATTACHMENT FOR SEWING MACHINES
Niels Pedersen, Drexel Park, Pa., assignor of one-half to Sarah Spielman, Philadelphia, Pa.
Application August 17, 1935, Serial No. 36,721
22 Claims. (Cl. 112—124)



1. An attachment for a sewing machine having a uniformly reciprocating needle bar and variable stitch regulating means including an adjusting member, said attachment comprising a pinking wheel, means actuated by said needle bar for intermittently rotating said wheel, and means arranged to be connected to and actuated by the adjusting member of said stitch regulating means and controlling said needle bar actuated means for varying the degree of intermittent rotation of the pinking wheel commensurable with changes in the stitch length as determined by said member.

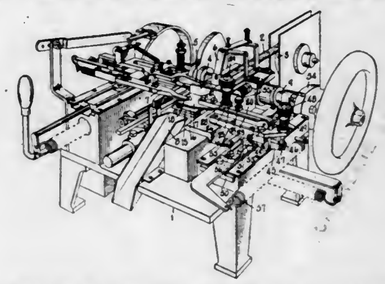
2,069,114
SWIFT
Arvid F. Pearson, Cranston, R. I., assignor to Mossberg Pressed Steel Corporation, a corporation of Massachusetts
Application May 31, 1933, Serial No. 673,704
15 Claims. (Cl. 242—110)



1. In a swift, bearing means, arms provided with yarn engaging surfaces spaced about said bearing means as a center, and means for adjustably securing said arms to said bearing means to permit of adjustment to vary the peripherial size of the swift, and yielding means tending to move said arms to expanded position, and adjustable stop means located to be free from interference with a contracting movement of the arms but limiting the expansion of said arms.

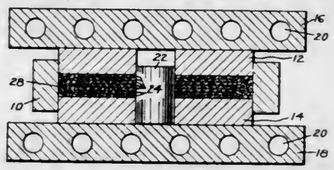
2,069,115
LABEL FOLDING MACHINE
Arthur Rosenthal, Grand Rapids, Mich., assignor to The Rose Patch & Label Company, Grand Rapids, Mich.
Application August 24, 1935, Serial No. 37,636
9 Claims. (Cl. 270—61)

1. In a label cutting and folding machine of the type in which a label strip is fed to the machine and individual labels are cut therefrom, the combination of label holding jaws having a triangular fold form thereon with the upper sides of its edges beveled, said jaws being disposed to grasp individual labels with the fold form above and extending transversely of the individual label and with its apex disposed substantially at an edge of the label, a folder having a triangular notch therein complemental to the fold form, means for disposing said label holding jaws with a label therein with the fold form above and in register with the triangular notch in said folder, means for raising said folder past said fold form to bend up the corners of the label held in said jaws, comprising a plunger engaging said folder



and having a cam follower thereon, means for advancing said folder over said fold form to bend back and crease said label over said fold form after said folder has been raised past said fold form, comprising a bell crank lever having a notched substantially vertical arm engaging a pin on said folder and a horizontal arm having a cam follower thereon and a cam slide having a cam to engage said cam follower on said plunger and a second cam disposed to engage said cam follower on said bell crank lever, said cams being timed to cause the operation of said raising means and then said advancing means, and means for yieldingly holding said folder in contact with said fold form during the advancing movement of said folder.

2,069,116
COMPOSITE GRINDING WHEEL AND METHOD OF MAKING THE SAME
Baalis Sanford, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 14, 1935, Serial No. 6,440
8 Claims. (Cl. 51—206)



1. An abrasive wheel comprising a non-abrasive supporting disk formed of layers of fibrous sheets cemented together by a resinoid, and an annulus of abrasive grains and a resinoid bond peripherally surrounding and integral with said disk and forming a wheel body of substantially uniform thickness which has its two resinoid portions united by compression while plastic and set by heat as an infusible integral mass, wherein the fibrous sheets are arranged within the planes formed by the sides of the annulus and radially strengthen the wheel.

2,069,117

PROCESS OF PREPARING RESINOUS CONDENSATION PRODUCTS CONTAINING UREA OR ITS DERIVATIVES

Fritz Seebach, Erkner, near Berlin, Germany, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 20, 1932, Serial No. 587,764. In Germany January 23, 1931

9 Claims. (Cl. 260—3)

1. Process of preparing a resinous product from a urea which comprises causing a reaction between a urea and an aldehyde in the ratio of one mol. of urea to two mols of aldehyde in the presence of a monoamid of a carboxylic acid and incorporating with the reaction mixture further amounts of urea and aldehyde, the monoamid being present in a molar ratio equivalent to at least 1 mol. to every 9 mols of the total urea and aldehyde to yield a product capable of being mixed with a filler to form a moldable plastic composition hardening under the action of heat.

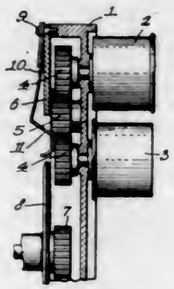
2,069,118

FEED ROLL BRAKE FOR SILK MACHINES OR THE LIKE

Warren A. Seem, Forty Fort, Pa.

Application August 16, 1935, Serial No. 36,595

7 Claims. (Cl. 117—30)



1. In a machine of the class described the combination with a feed roll having a gear, and a shiftable driving gear normally meshing with the first named gear, of a guard rotatable with the driving gear, and a resilient brake member normally held inactive by the guard, said guard being shiftable with the gear when the gears are movable out of mesh, thereby to release the brake member for frictional engagement with the gear of the feed roll.

2,069,119

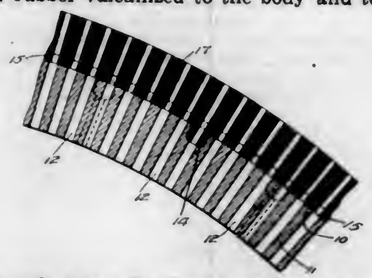
RUBBER COVERED SUCTION ROLL

Albert H. Standley, Downingtown, Pa., and Harold H. Burrows, Clifton, N. J., assignors to Downingtown Manufacturing Company, Downingtown, Pa., a corporation of Pennsylvania

Application March 21, 1935, Serial No. 12,290

4 Claims. (Cl. 92—53)

1. A rubber-covered press roll comprising a body having small uniformly longitudinally and circumferentially distributed sockets in its periphery the diameter of said sockets at any point being equal to or greater than the diameter of the socket at any other point nearer the center of the roll, plugs of material readily vulcanizable to hard rubber inserted in said sockets, a layer of hard rubber vulcanized to the body and to said



plugs and a layer of soft rubber vulcanized to said hard rubber layers.

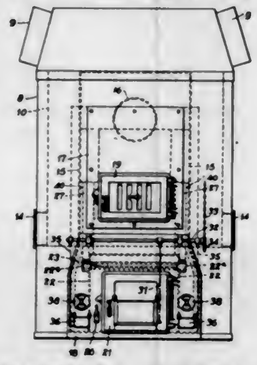
2,069,120

FURNACE

Hugh A. Stewart, Butler, Pa.

Application January 5, 1935, Serial No. 534

2 Claims. (Cl. 126—146)



1. Heating apparatus comprising a fire-box casing of generally rectangular form and having an opening in the lower portion of its front wall, rearwardly-extending partition walls in the lower part of the casing, adjacent to but spaced from the side walls thereof and having channels formed along lines adjacent to their upper edges, refractory slabs supported upon the uppermost sides of said channels, in spaced relation to the adjacent side walls of the casing and serving to form the sides of a fuel-burning space which communicates, at the tops of the slabs, with the spaces at the outer sides of the slabs, grate bars having their ends supported in said channels and being slidably removable from the front ends of the channels, and a removable face plate covering the said opening in the front wall of the casing and the front ends of the channels, the spaces between the outer sides of the slabs and the side walls of the casing being provided with openings near their lower ends, for the admission of additional air for combustion.

2,069,121

GEAR SHIFTING MECHANISM

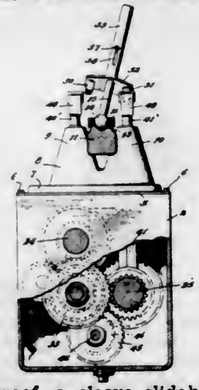
Bertha McCafferty Truitt, Calumet, Okla.

Original application April 28, 1934, Serial No. 722,945. Divided and this application December 21, 1935, Serial No. 55,622

2 Claims. (Cl. 74—473)

1. In an apparatus of the character described, a main transmission, an auxiliary transmission receiving motion from the main transmission, a twin head having companion members spaced from each other, selectors connected with the

main transmission and the auxiliary transmission, respectively, and each mounted in a companion one of the spaced members of the twin head, a bearing member carried by the spaced members and disposed between the same, a shift lever connected at its lower end with said bearing member and mounted for universal movement over the twin head between the spaced



members thereof, a sleeve slidably mounted on said lever, a cross head carried by said sleeve and projecting from opposite sides thereof yieldable means for holding the sleeve and cross head lowered, and pendent lugs at ends of the cross head to engage the main transmission selector or the auxiliary transmission selector, respectively, for operating the same when the lever is rocked transversely.

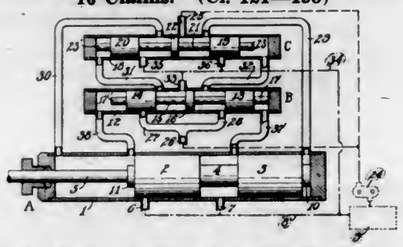
2,069,122

HYDRAULIC RECIPROCATING MOTION DEVICE

Albert E. Weaver, Indianapolis, Ind.; Midge M. Weaver administratrix of said Albert E. Weaver, deceased

Application February 16, 1934, Serial No. 711,522

16 Claims. (Cl. 121—158)



1. A device of the character described, comprising at least three sliding valves each of which is operated by fluid pressure, and fluid pressure connections between said valves by which effective pressure is admitted to the other valves when one of said valves moves to the limit of its stroke, and by which each of the valves is pressure locked against movement during the movement of any one of the other valves.

2,069,123

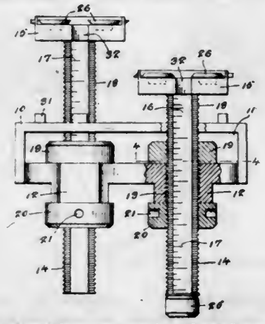
GAUGE

Edwin Emanuel Weik, Dunsmuir, Calif., assignor of one-half to John W. Thornton, Dunsmuir, Calif.

Application March 13, 1936, Serial No. 68,753

4 Claims. (Cl. 33—42)

1. A gauge of the character described comprising a body frame having an open center, a plurality of stems slidable through said frame, nuts inside and outside of said frame and threaded on said stems for the adjustable fastening of the latter to one side of the frame both interiorly and



exteriorly of said open center, heads on said stems and having marking and scoring means at the edges thereof, and a key frictionally fitting one of the stems and engageable with one of the nuts on each stem for the turning thereof.

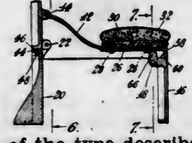
2,069,124

PRAYER RAIL

Joseph S. Wojtalewicz and Otto F. Wegener, Chicago, Ill., assignors to Pietro Taddeo, Chicago, Ill.

Application November 5, 1934, Serial No. 751,617

2 Claims. (Cl. 155—166)



1. A device of the type described comprising a normally vertical panel, normally horizontal supports pivotally connected upon one face of said panel, said supports being recessed on the under side, a plurality of supporting legs pivotally connected with said panel, each leg being pivotally connected with the panel within the recess of one of said horizontal supports, a bolt carried by each leg, recessed means carried by each horizontal support and extending across the sides of the leg associated with that support, said recesses being aligned to receive said bolts, means co-operating with said bolt for clamping said recessed means to the sides of the leg; and front legs pivotally connected with the forward end of said normally horizontal supports.

2,069,125

COOKING VESSEL

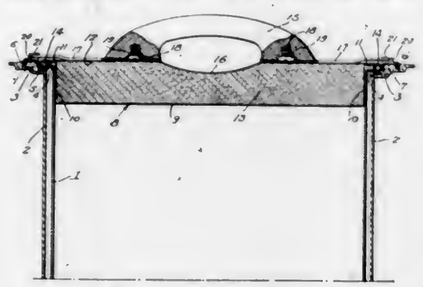
William D. Antrim, Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 10, 1936, Serial No. 110,158

6 Claims. (Cl. 53—1)

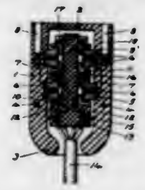
1. A cooking vessel comprising a receptacle having a laterally projecting peripheral flange at the upper end thereof and a removable cover member constructed and arranged to fit snugly within said receptacle to close the same, said removable cover member including a hand grip and elements secured to the cover and extending beyond the periphery of said cover at opposite sides thereof and brackets secured on the peripheral flange of the receptacle at opposite sides thereof

and including upwardly offset inwardly extending portions arranged to engage over said projecting elements of the cover when the latter is



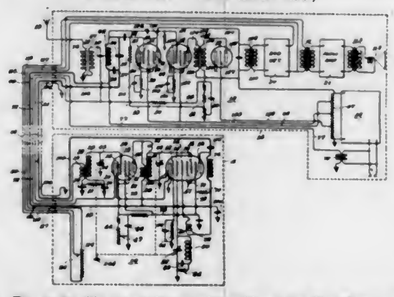
rotated relative to said receptacle so that the vessel may be lifted bodily by the handle of the cover alone.

2,069,126
REVOLVING CONNECTER
Hjalmar Asklund, Uddevalla, Sweden
Application July 13, 1934, Serial No. 735,023
In Sweden July 3, 1933
4 Claims. (Cl. 173—324)



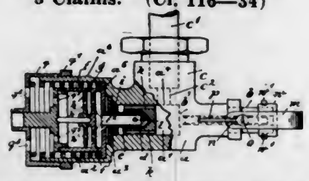
1. A swivelling coupling for electrical conductors comprising cylindrical coaxial insulating members adapted to be placed one within the other in spaced relation and relatively rotatable on a common axis, the outer of said members being divided in an axial plane and open at one end to admit a cord carrying a plurality of conductors, a plurality of separated contact elements mounted in the end of the outer insulating member opposed to said open end, a first set of insulated contact bands embedded in the inner wall of the outer insulating member and respectively electrically connected with said contact elements, a first set of insulated contact rings mounted within the outer insulating member and seated within the first set of contact bands, a second set of insulated contact bands embedded in the outer wall of the inner insulating member, connecting elements mounted in the outer end of the inner insulating member adapted to be connected respectively with the conductors of a cord entering the outer insulating member, said connecting elements being respectively electrically connected with the contact bands of the second set, a second set of insulated contact rings mounted on the inner insulating member to bear respectively on the contact bands of the second set and also to bear against the contact rings of the first set, said first set of contact rings being arranged in pairs, with the rings of each pair insulated from each other and each ring of said second set being in electrical contact with one ring of said first set but insulated from each other and adjusting means for maintaining in assembled relation the outer and inner insulating members and the parts carried thereby so that the two sets of contact rings are held in electrical contact.

2,069,127
REMOTE CONTROL FOR RADIO APPARATUS
George L. Beers, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1933, Serial No. 667,774
8 Claims. (Cl. 250—20)



1. In a radio receiver circuit, a radio frequency transformer having a primary winding and a secondary winding, an electric discharge device having input electrodes connected to said secondary winding, a source of signals connected to said primary winding, a high impedance unit, said secondary winding being connected at one terminal end only through said high impedance unit to one terminal end only of said primary winding, said terminal ends being above ground at a direct current potential, and a common circuit lead for transmitting both a signal current from said source and a biasing potential through said primary winding connected to the opposite terminal end of the primary winding.

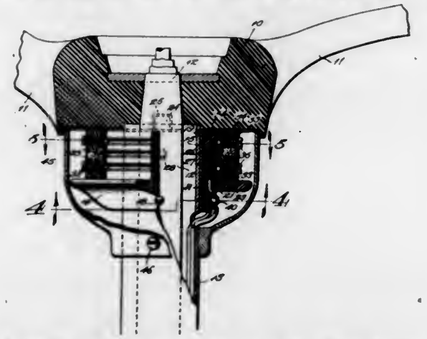
2,069,128
VALVE FOR PNEUMATIC TIRES FOR MOTOR DRIVEN VEHICLES GIVING ACOUSTIC SIGNALS
Valentin Otto Blatz, Munich, Germany
Application June 8, 1933, Serial No. 674,838
In Germany June 9, 1932
3 Claims. (Cl. 116—34)



1. Means for producing acoustic signals, comprising in combination with a pneumatic air tube and a socket on this tube, a valve casing mounted at right angles to said tube socket connected thereto, a pump socket on said valve casing, a check valve in said pump socket, a spring controlled siren casing mounted in said valve casing shiftable in axial direction, a piston mounted in said valve casing shiftable in axial direction, and a ring packing against which said piston is pressed in the shutting off position by the pressure of the compressed air, and a spring controlling said piston adapted to push said piston away from said ring packing through the intermediary of said siren casing as soon as the air pressure sinks below the normal pressure.

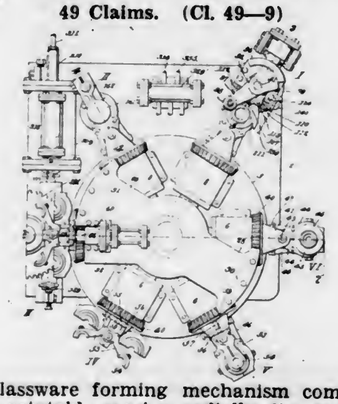
2,069,129
COLLECTOR RING AND DISTRIBUTOR
Constantine A. Braun, Pottsville, Pa.
Application March 9, 1936, Serial No. 67,963
1 Claim. (Cl. 173—324)

A device for conducting turn signal circuit wires from steering wheel switches through the steering column of a motor vehicle comprising a distributor movable as a unit with the wheel, a stationary collector ring on the column supporting the distributor and having upper, lower, and intermediate contact rings thereon, brushes carried by the distributor and disposed in duplicate sets of three brushes each, two brushes of each set being arranged in superposed position at diametrically opposite points in the distributor, the third brush of each set being arranged at dia-



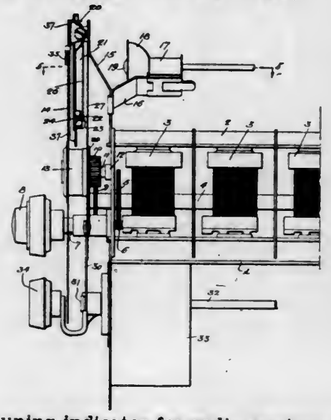
metrically opposite points in the distributor 90 degrees from the superposed brushes, the upper and lower brushes of each superposed pair engaging the upper and lower contact rings, the third brush of each set engaging the intermediate contact ring, circuit wires from the switches connected to one set of said brushes, the unwired set of brushes coacting with the wired set of brushes in centering the distributor and stabilizing the same against wobbling on the collector ring, and circuit wires connected to said contact rings and entering the column.

2,069,130
GLASS BLOWING MACHINE
Edward G. Bridges, Anderson, Ind., assignor, by mesne assignments, to Lynch Corporation, a corporation of Indiana
Original application June 4, 1917, Serial No. 172,678. Divided and this application July 16, 1927, Serial No. 206,306. In Germany April 15, 1920
49 Claims. (Cl. 49—9)



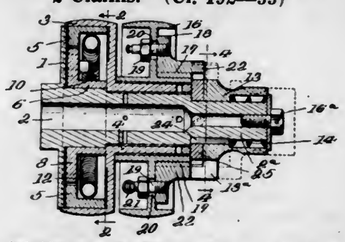
1. Glassware forming mechanism comprising a first rotatable carrier, radially disposed guide way means mounted thereon, a bearing permitting movement of the guide way means as to the carrier, a sectional first mold mounted on the radially remote portion of the guide way means and having means reciprocable in the guide way means in addition to the movement of the guide way means as to the bearing for opening the mold, power actuating means for said reciprocating means, a second carrier eccentric of and rotatable relatively to the first carrier, a second mold on the second carrier for receiving glass from the opening first mold on the first carrier, said second carrier mold being movable with the second carrier to approach said opening mold on the first carrier, driving means for rotating said carriers in synchronism to bring said molds simultaneously toward each other, and means for transferring ware directly from the first carrier mold to the second carrier mold.

2,069,131
TUNING INDICATOR FOR RADIO RECEIVERS
Joseph A. Briggs, Erlton, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 27, 1936, Serial No. 76,669
13 Claims. (Cl. 116—124.4)



1. A tuning indicator for radio receivers or the like, comprising a movable translucent dial having indicia thereon, a source of light, a translucent screen interposed between said dial and said light source, said screen having an area of different light-transmitting characteristic from the remaining area of the screen, and focusing means cooperatively associated with said area for producing a sharply defined image upon said dial with which said indicia may be made to coincide by moving said dial.

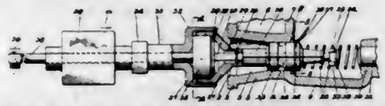
2,069,132
FRICTION AND DIRECT DRIVE COUPLING
James Arthur Clark, Ngaruawahia, New Zealand
Application August 28, 1934, Serial No. 741,837
In New Zealand October 18, 1933
2 Claims. (Cl. 192—55)



1. A friction and direct drive coupling comprising a driving member, a driven member, fric-

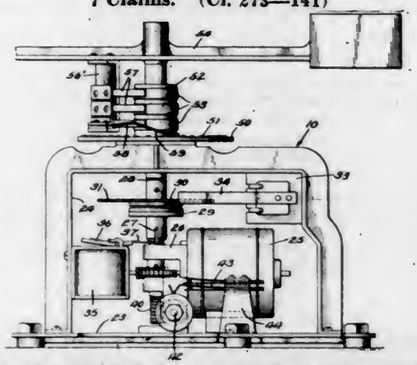
tion shoes housed within said driving member, a collar loosely mounted on said driven member and a spring drivably connecting said collar with said driven member and spreader arms upon said collar for expanding said friction shoes into driving contact with said driving member.

2,069,133
VALVE AND GUIDE BUSHING EJECTOR
Leonard J. Clossey, Detroit, Mich.
Application March 31, 1936, Serial No. 71,918
4 Claims. (Cl. 29—88.2)



1. Means to tightly lock a valve and a portion of its stem in an enclosing position, said stem being adapted to be carried by a bushing in the cylinder block of an internal combustion engine, a guide rigidly extending from said means, hammering means carried by the guide by which to impart hammer blows on the enclosing means for moving the bushing in one direction in the cylinder block, said guide having a shoulder against which hammer blows are imparted by said hammering means for moving the guide and enclosing means in the opposite direction, and means attached to the valve stem for imparting said blows to the bushing and moving it in said opposite direction.

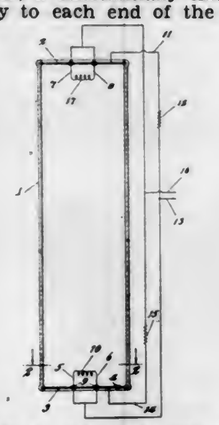
2,069,134
GAME DEVICE
Edward J. Collins, Los Angeles, Calif., and Milton Hennessey and Philip Fraser, Chicago, Ill., assignors to H. C. Evans & Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1936, Serial No. 108,292
7 Claims. (Cl. 273—141)



1. In a game device, a spinning indicia pointer including a wiper, a plurality of electrical contacts engaged by said wiper one at a time, means for moving said wiper over said contacts, means for stopping and holding said wiper upon one of said contacts, a commutator, and means for extending a circuit from said wiper and one of said contacts to said commutator.

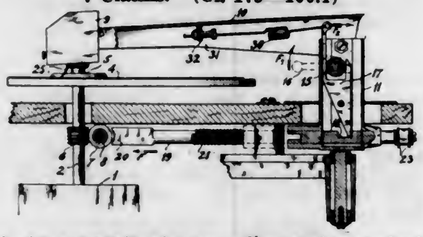
2,069,135
VAPOR OR GASEOUS ARC DISCHARGE LAMP
James L. Cox, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application August 14, 1935, Serial No. 36,095
7 Claims. (Cl. 176—122)

1. In combination a lamp of the gaseous discharge type, comprising an enclosing envelope of glass, said envelope containing a condensible ionizable vapor, a substantially flat metal disc sealed directly to each end of the envelope to



close the same, an electrode mounted on each disc but insulated therefrom, and an electrical connection for causing the disc at one end to act as a starting electrode with the adjacent electrode on which it is mounted.

2,069,136
APPARATUS FOR RECORDING AND REPRODUCING SOUNDS
Louis Paul Durand and Pier Carlo Ricchiardi, Paris, France
Application September 17, 1935, Serial No. 40,984
In France January 10, 1935
7 Claims. (Cl. 179—100.4)

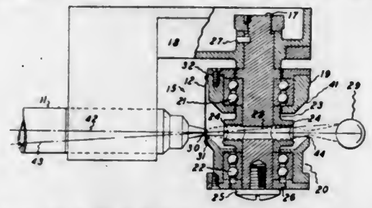


1. An apparatus for recording and reproducing sounds which comprises, in combination, a rotary plate arranged to support phonographic discs, a pick-up adapted to bear on a phonographic disc supported by said plate, an arm for said pick-up, driving means for rotating said plate, distinct electric circuits for sound recording and reproduction, respectively, mechanical means for coupling said arm with said driving means for radial displacement of the pick-up, and a single operating organ for both bringing said mechanical means into or out of action and electrically connecting said pick-up with either of these two circuits, correspondingly.

2,069,137
SOUND FILM APPARATUS
Edward William Esdaile, Arncliffe, near Sydney, New South Wales, and Robert Platt-Hepworth, Paddington, near Sydney, New South Wales, Australia
Application August 15, 1935, Serial No. 36,441
In Australia August 23, 1934
8 Claims. (Cl. 179—100.3)

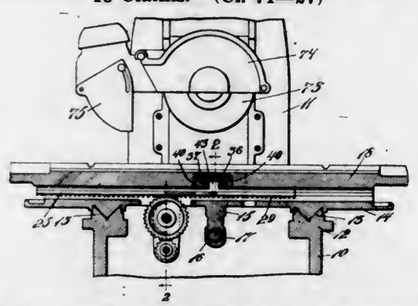
1. A rotating sound gate including a fixed stud provided with a transverse orifice adapted to be

arranged between a source of exciting light and a light sensitive cell, an optical system contained in the orifice the axis of which is in substantial alignment with the exciting light, and at least



one film supporting member rotatable on said stud laterally of the orifice and arranged so that a marginal edge portion of the film intercepts the light beam.

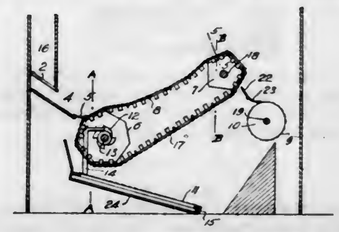
2,069,138
RECIPROCATING TABLE DRIVE MECHANISM FOR MACHINE TOOLS
William H. Feeney, East Providence, R. I., assignor to Brown & Sharpe Manufacturing Company, a corporation of Rhode Island
Application June 19, 1935, Serial No. 27,309
18 Claims. (Cl. 74—27)



1. The combination of a part to be reciprocated, a driving mechanism, and means in continual driving engagement with said part and permitting vertical sliding movement relative to said part for connecting said part and said driving mechanism for the transmission of reciprocating movement to said part in a plane at generally right angles to the vertical.

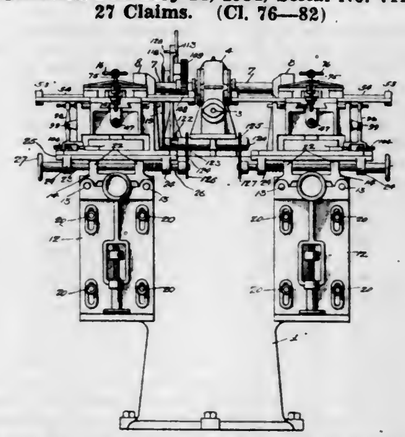
2,069,139
GRAIN CLEANER, SEPARATOR, AND THE LIKE
Harry Flather, Brisbane, Australia, assignor to Brisbane Machinery Co. (Pty.) Ltd., South Brisbane, Queensland, Australia
Application June 15, 1934, Serial No. 730,701
1 Claim. (Cl. 209—234)

In a grain cleaner and separator, an inclined conveyor belt on to the lower end of which uncleaned grain is fed, two parallel rotatable shafts, pairs of polygonal discs fixed on said shafts and on which the conveyor belt is mounted, the discs of one shaft having a greater number of sides than those on the other shaft, means for guiding the belt around such disc to impart an uneven undulating motion to the belt as the discs rotate, driving means associated with one of said shafts to move the belt with its upper flight in ascending direction, cams on said shaft, an inclined screen pivoted at its lower end and adapted to receive any grain passing through the belt conveyor and disposed below the lower flight of said conveyor, an arm coacting with said cams arranged for applying vibratory jarring movement to said screen to shake the grain therethrough, and a suitably driven perforate cylindrical screen



adapted to receive the waste discharge from the upper end of the conveyor and adapted to permit grain contained in the waste material to pass through such cylindrical screen and to discharge the waste material from its periphery.

2,069,140
BEET KNIFE SHARPENING MACHINE
Samuel T. Freas, Trenton, N. J., and Norman C. Bye, Philadelphia, Pa., assignors to Henry Disston & Sons, Incorporated, Tacony, Pa., a corporation of Pennsylvania
Application February 14, 1934, Serial No. 711,246
27 Claims. (Cl. 76—82)

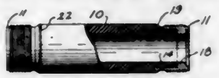


1. In a machine of the stated character, the combination with a cutter operative in a fixed path, of an adjustable work carrier, mechanism for traversing the carrier with respect to the cutter including a reciprocatory carrier-engaging member movable in a fixed path, and means for adjusting the work into engagement with the cutter, said means including an element adapted successively to release the carrier from said carrier-engaging member and to guide the work into engagement with the tool.

2,069,141
MEANS FOR CONNECTING METALLIC AND NONMETALLIC MEMBERS
Walter G. Furlong, Cleveland Heights, Ohio
Application July 24, 1934, Serial No. 736,694
5 Claims. (Cl. 285—71)

1. An article of manufacture having a cylindrical non-metallic body provided with an end portion of reduced diameter, said end portion forming with said body a radial shoulder and

having a circumferential recess adjacent said shoulder, and a metallic sleeve fitting over said end portion and having a circumferential portion



thereof in intimate contact with the walls of said recess and also having portions engaging said non-metallic body for preventing relative rotation between said body and said sleeve.

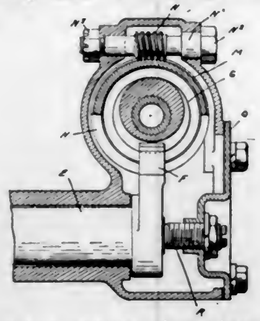
2,069,142
MANIFOLD BOOKKEEPING LEAF
Erwin Otto Haberfeld, Berlin-Weissensee, Germany
Original application January 19, 1934, Serial No. 707,322. Divided and this application April 5, 1935, Serial No. 14,855. In Germany July 6, 1931
1 Claim. (Cl. 282—27)



Two or more leaves for loose-leaf bookkeeping, each page thereof printed similarly to the others with vertical lines defining appropriately designated columns, comprising in order from left to right text, debit, credit, and balance columns with the latter three at the right of the vertical middle line of the page, the upper portion of the text column of each obverse face page having a transfer area in registry with the debit and credit columns of the reverse face page and of a length equal to the combined widths of such columns and of a vertical extent appropriate for a single line of text and each reverse face page having a similar transfer area but at the lower portion of the text column whereby, when a leaf is folded upon its middle line with obverse face outermost, items entered at the foot of debit and credit columns will be transferred to the foot of such columns on the reverse face and when a succeeding leaf is registered beneath a preceding leaf with their obverse faces in contact items entered at the top of the debit and credit columns on the reverse face of said preceding leaf will be transferred to the top of such columns on the obverse face of said succeeding leaf.

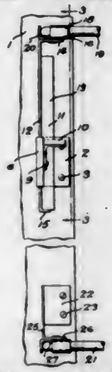
2,069,143
WORM GEAR ADJUSTMENT FOR STEERING GEARS
Charles F. Hammond, Jr., and Harper E. Pulleyblank, Detroit, Mich., assignors to Gemmer Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 1, 1935, Serial No. 14,176
7 Claims. (Cl. 74—500)

1. In a steering gear, the combination of a gear housing, a steering post mounted thereon, a steering stem within said post, a bearing for said stem at the upper end of said post, a rock shaft extending transversely of said housing and having its axis in fixed relation thereto, a worm gear on said rock shaft, a worm on said steering stem intermeshing with said worm gear, radial and end thrust journal bearings for said worm at opposite ends thereof, eccentric mountings for said journal bearings and means for simultaneously rotating said eccentric mountings inde-



pendently of any rotation of said bearings to adjust said worm towards or from said worm gear.

2,069,144
CURTAIN ROD HOLDER
Robert J. Haskell, Washington, D. C.
Application February 3, 1936, Serial No. 62,176
3 Claims. (Cl. 248—265)

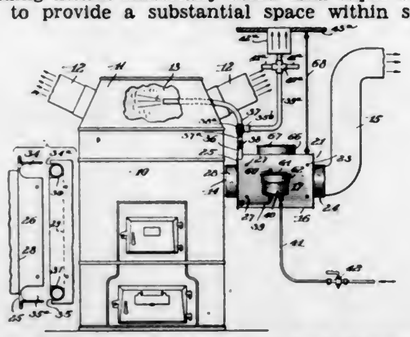


2. A curtain holder comprising a plate for attachment to a window frame, said plate having one edge terminating in an angularly disposed flange bent into U-form to provide a groove, a slide comprising angularly disposed webs, one of which is slidable in the groove and having a lateral extension on its upper end, a seat on the extension for receiving the end of a curtain rod, a cam on the flange adapted to engage the other web of the slide to hold the same in selected adjusted positions.

2,069,145
LIQUID VAPORIZING AND AIR HUMIDIFYING APPARATUS
Herbert Hastings and William B. Connolly, Rochester, N. Y., assignors to Rochester Manufacturing Co., Inc., Rochester, N. Y., a corporation of New York
Application September 20, 1935, Serial No. 41,499
6 Claims. (Cl. 122—451)

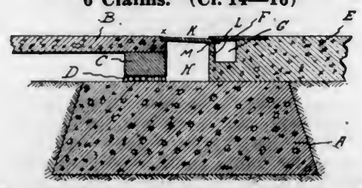
3. Liquid evaporating means for supplying vapor to a source of air for mixture therewith, comprising a casing connected with the outlet of a furnace or heater through which the waste gases are discharged, liquid holding means within the casing in position to be heated by the gases discharging through the casing, said holding means having an outlet for the vapor, a liquid

supply tank having an inlet and a supply connection leading from the tank to the liquid holding means, a valve for controlling said inlet, a float within the tank for operating the valve to close said inlet when the liquid is at a predetermined level within the tank, the tank being so positioned relative to the liquid holding means as to establish a maximum level within the liquid holding means materially below said vapor outlet to provide a substantial space within said



holding means above the liquid level therein so that vapor may occupy said space and be subjected to the heat of the gases passing through said receptacle, and a metering valve connected with said supply connection and adjustable to regulate the flow of the liquid from said tank to the holding means to afford varying operating levels for the liquid therein below said maximum level, to vary the proportions of air and vapor to be mixed under different operating conditions.

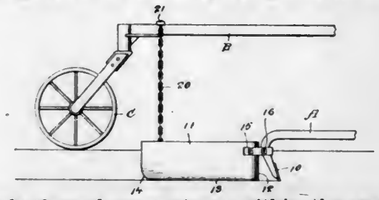
2,069,146
ROADWAY BRIDGE CONNECTION
Wilhelm Haupt, Dortmund-Horde, Germany
Application September 2, 1936, Serial No. 99,144
In Germany September 30, 1935
6 Claims. (Cl. 14—16)



1. In a bridge-roadway connection for a bridge having one end fixed and the other movable, toward and from a roadway, a bridging plate secured to the movable end of the bridge, a support for said bridging plate rigid with the roadway and upon which said bridging plate rests and an extension of the roadway flush with the roadway and extending over a portion of said bridging plate.

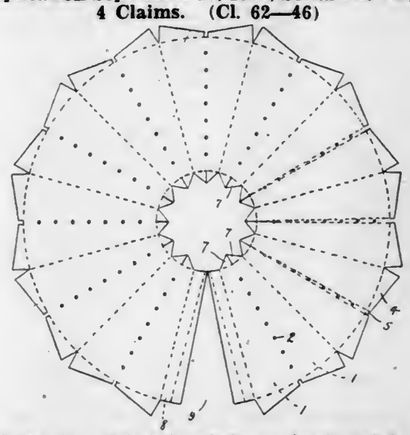
2,069,147
FURROW OPENER
Ernest E. Hayes, Delta, Colo.
Application March 2, 1936, Serial No. 66,743
1 Claim. (Cl. 37—98)

The combination of a wheeled trailer, a saddle piece carried by said trailer, furrow openers arranged at opposite sides of the trailer and each formed with forwardly convergent inwardly inclined sides and a rounded perpendicular nose having the inclined sides merging therewith, the inclined sides being merged into each other at the bottom of said opener, an upwardly curved heel at the rear end of the bottom of said opener, coupling straps secured exteriorly to the openers at the nose ends thereof, shovel carrying beams pivoted to said straps at points above the



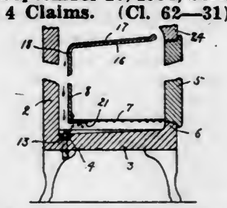
shovels thereof, cross straps within the openers and fixed to the sides thereof, eyes located centrally of said straps, and hanger chains connected to opposite ends of the saddle and to the said eyes.

2,069,148
REFRIGERATOR ICE RACK
Martin Hokanson, Duluth, Minn., assignor to Eidco, Inc., Duluth, Minn., a corporation of Minnesota
Application September 10, 1934, Serial No. 743,394
4 Claims. (Cl. 62—46)



1. An ice rack formed from sheet metal and having inclined corrugations therein, angle bars fixed transverse the ends of the corrugations for supporting the rack, said angle bars being made of like material as that of the rack, folded upon itself, and engaging both sides of the ends of the corrugations in the rack.

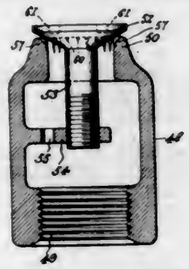
2,069,149
REFRIGERATOR
Martin Hokanson, Duluth, Minn., assignor to Eidco, Inc., Duluth, Minn., a corporation of Minnesota
Application September 10, 1934, Serial No. 743,395
4 Claims. (Cl. 62—31)



1. Means for increasing the humidity in the circulating air of a refrigerator having a drip

compartment therein, comprising an inclined drip pan above said food compartment and dripping into said drip compartment, a flat scalloped lowermost terminus to said pan whereby to evenly distribute the drip from the pan below the ice, laterally into said drip compartment, and means adjacent the bottom of the drip compartment to prevent drip water splashing into the food compartment, said means being located so as not to interfere with air circulation within said refrigerator.

2,069,150
ROOF COOLING DEVICE
Leonard H. Holder, Washington, D. C.
Application July 22, 1935, Serial No. 32,613
2 Claims. (Cl. 299—141)



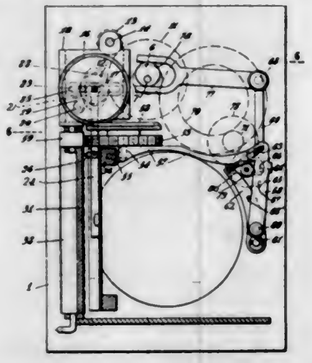
1. A spray member comprising a hollow body in communication with a source of water supply under pressure, said body having a flanged opening at one end, and an inverted frustroconical head resting on said flange, said flange having a plurality of V-shaped grooves, the bottom of each groove being disposed in at least three obtusely related planes with the outermost plane disposed in parallel relation to the adjacent surface of said head.

2,069,151
PROCESS OF RECLAIMING RUBBER
John P. Ioannu, Philadelphia, Pa., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 19, 1935, Serial No. 11,895
9 Claims. (Cl. 18—52)

1. In the alkali digestion process of reclaiming scrap rubber, the steps which comprise digesting with heat a mixture of rubber scrap, water, caustic soda, and a small quantity of an oxidizing agent selected from the group consisting of:—an oxidizing per-compound, a chlorate, a soluble chromate—and thereafter removing the reclaimed product from the liquor.

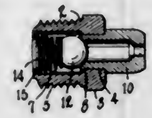
2,069,152
RECORDING TACHOMETER
Ulrich Kohler, Bern, Switzerland, assignor to Hasler A.-G. vormals Telegraphenwerkstätte von G. Hasler, Bern, Switzerland
Application January 31, 1933, Serial No. 654,534
In Switzerland February 23, 1932
8 Claims. (Cl. 234—30)

1. In a recording tachometer for a vehicle having a feed mechanism for feeding a continuous record strip, means for actuating said feed mechanism according to distance while the vehicle is moving, and a clockwork mechanism for actuating said feed mechanism according to time when the vehicle is stationary; a stylus mounted to move across the record member, means for reciprocating the stylus a plurality of times during unit time, a wheel having type numerals repre-



senting hours, means for rotating said wheel by a clock-driven axle, and means for bringing said wheel into and out of marking relation with the record member at the end of each time unit.

2,069,153
METHOD OF MAKING LUBRICATION FITTINGS
Walter R. Konkle, Albion, Mich., assignor to Decker Screw Products Company, Albion, Mich.
Original application October 5, 1934, Serial No. 746,947. Divided and this application March 16, 1935, Serial No. 11,469
9 Claims. (Cl. 29—157.1)

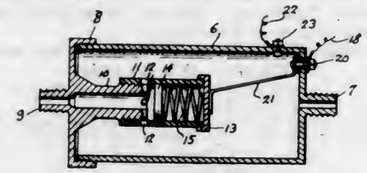


9. The method of making a lubrication fitting of the character set forth which comprises the steps of forming a tubular body having an internal shoulder and a tubular teat member having a reduced inner end portion, inserting the reduced inner end portion of the teat member into the body member, and using a valve as a tool to expand the inner end of the teat member to thereby upset it over the said shoulder and simultaneously provide a valve seat.

2,069,154
LOW AIR PRESSURE WARNING DEVICE
Harold Kruse, North Arlington, N. J.
Application April 16, 1936, Serial No. 74,771
2 Claims. (Cl. 200—82)

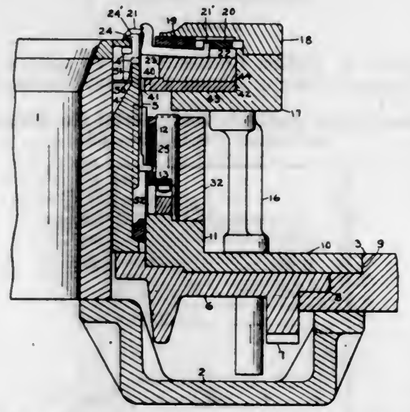
1. A signal circuit closure for disposition with a pressure line for closing a circuit upon a fall of pressure in said line, and comprising a casing adapted to be disposed within the line, said casing being of conductive material and adapted to be electrically connected to one side of the signal circuit, said casing having a nipple extending inwardly thereof, a cylinder of non-conductive material connected with the inner end of said nipple, a contact member having a sliding fit within said cylinder, spring means engaged with said

contact member and tending to normally urge the same into engagement with said nipple for com-



pleting the signal circuit, and means for placing said contact member in electrical connection with one side of the source of electrical energy.

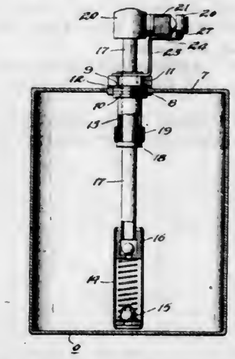
2,069,155
KNITTING MACHINE
Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Original application December 21, 1929, Serial No. 415,858. Divided and this application February 15, 1932, Serial No. 593,047
4 Claims. (Cl. 66—107)



1. A knitting machine including two cylinders, needles mounted in one cylinder and adapted to move independently to and from thread engaging positions, a cam carried by the other cylinder, a sinker head in association with the needle cylinder, sinkers mounted therein adapted to move to and from stitch forming positions and provided with throats, the cam carried by the said other cylinder being normally received within the sinker throats and adapted to raise the sinkers as the needles are depressed whereby the combined movements of the needles and sinkers in opposite directions stresses the thread and measures or determines the lengths of stitches.

2,069,156
SPRAYER
Rudolph Bernhardt, Chicago, Ill.
Application January 30, 1936, Serial No. 61,496
6 Claims. (Cl. 299—97)

1. The combination with a receptacle, of a tubular bearing mounted in the wall thereof, a pump having a cylinder in the receptacle and having a discharge tube reciprocably mounted in the bearing, a projection on said tube, a packing around the tube adapted to be compressed between the projection and the inner end of the bearing, a nozzle carried by the tube and arranged at an angle thereto, a bracket carried by the receptacle and adapted to be engaged by the nozzle



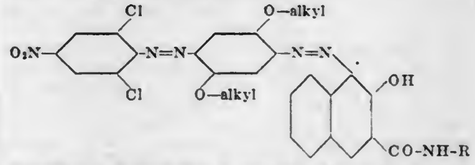
to hold said packing in compressed condition, and a stopper carried by the bracket for closing the nozzle when in engagement with the bracket.

2,069,157
DENTAL PREPARATION
Melville Sahyun, Palo Alto, Calif.
No Drawing. Application December 4, 1933, Serial No. 700,831
8 Claims. (Cl. 167—93)

6. A dentifrice including a saponaceous base having incorporated therein basic and acidic phosphates of an alkaline metal forming a buffer, the constituents of said buffer being relatively proportioned to form a mixture having a pH value greater than 7 and not exceeding a pH value of approximately 9 whereby to avoid producing disagreeable alkaline taste reactions in the mouth, and functioning as such buffer within a range capable of resisting change in the pH value thereof in both directions in the presence of pH modifying substances in the mouth.

2,069,158
DISAZO-DYESTUFFS INSOLUBLE IN WATER AND FIBER DYED THEREWITH
Karl Schnitzspahn, Offenbach-on-the-Main, and Paul Jörg, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 2, 1936, Serial No. 77,638. In Germany May 10, 1935
8 Claims. (Cl. 260—84)

1. The water-insoluble disazo-dyestuffs of the following general formula:



wherein R stands for a radical selected from the group consisting of the radicals of the benzene and naphthalene series, being blue-black to black powders and yielding, when produced on the fiber, blue-black to black dyeings of good fastness properties, particularly of very good fastness to light.

2,069,159

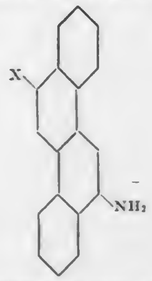
SUBSTITUTED AMINOCHRYSENES

Werner Schultheis, Frankfort-on-the-Main-Hochst, and Gerhard Langbein, Hofheim in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 18, 1934, Serial No. 758,108. In Germany December 22, 1933

4 Claims. (Cl. 260—124)

1. The compounds of the general formula:



wherein X represents a member selected from the group consisting of NO_2, NH_2 and NH-acyl.

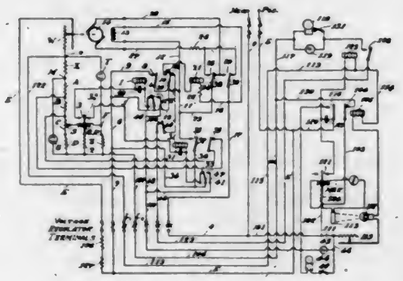
2,069,160

REGULATED VOLTAGE SYSTEM FOR DETECTING SUSPENDED MATTER IN FLUIDS

Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York

Application September 1, 1933, Serial No. 687,836

2 Claims. (Cl. 177—311)



1. In combination an apparatus of the type employing a source of light directed upon a light-sensitive element and an alarm controlled by a decrease of the intensity of light falling upon the light-sensitive element, voltage regulating means for maintaining substantially a constant regulated voltage on the source of light, said voltage regulating means being energized from a source of electric potential subject to fluctuation in voltage, and means to protect the voltage regulating means against the overload which would result upon failure of the source of light due to the removal of the current demand of the source of light comprising a normally energized relay in the energizing circuit of the source of light, and a normally closed contact in the energizing circuit of the voltage regulating means, said contact being controlled by said relay and being broken upon deenergization of the relay due to failure of the source of light.

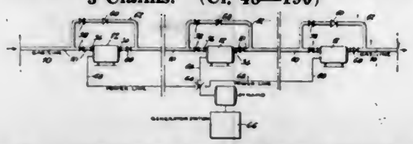
2,069,161

GAS TRANSPORTATION SYSTEM

Robert G. Griswold, Westfield, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware

Application December 3, 1932, Serial No. 645,635

3 Claims. (Cl. 48—190)



1. In combination with a long distance gas transporting conduit adapted to carry large volumes of natural gas under several hundred pounds pressure, means for maintaining the gas throughout the length of the conduit under a relatively high pressure by boosting its pressure at spaced points along the conduit, said means comprising a plurality of compressors operatively and completely enclosed within said conduit at spaced points intermediate its ends, and electric motor driving elements directly coupled to each of said compressors and housed within said conduit.

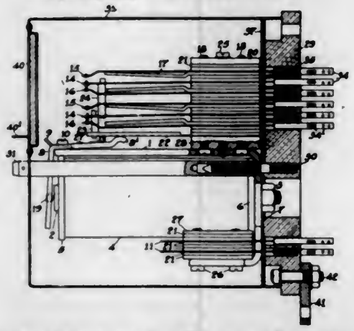
2,069,162

RELAY

William D. Hailes, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 28, 1932, Serial No. 608,036

10 Claims. (Cl. 200—166)



1. In a relay, an extending member, an operator on said extending member, a plurality of vertical contact groups each comprising a plurality of insulated spring contact fingers held by insulated screws, and means for holding said vertical contact groups on said extending member in operative relation to said operator, comprising insulated screws passing through said vertical groups and threaded into the extending member with heads of the contact group holding screws fitting into holes in the extending member.

2,069,163

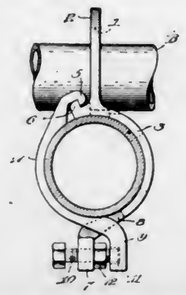
BEARING DEVICE FOR SOOT BLOWER ELEMENTS

De Los E. Hibner, Jr., Du Bois, Pa., assignor to Vulcan Soot Blower Corporation, a corporation of Pennsylvania

Application November 20, 1935, Serial No. 50,662

3 Claims. (Cl. 248—74)

2. In a clamping device, cooperating clamping elements adapted to receive between the same and grip a member and be exposed to great heat, said elements being movably connected at corresponding ends and crossing each other toward their opposite, free ends, the free end portions beyond the point of crossing of said elements being spaced apart and projecting a substantial distance outwardly from the main body of the clamp, and a tightening member for said device



positioned between the projecting ends of said elements and adapted to be placed in compression to tighten said elements about a member embraced thereby, whereby expansion of said tightening member due to a rise in the temperature thereof tends to tighten the grip of the clamping device.

2,069,164

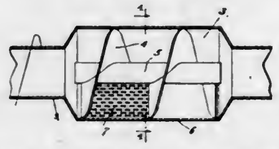
ROTARY KILN

Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application June 17, 1936, Serial No. 85,689

In Great Britain June 26, 1935

4 Claims. (Cl. 263—33)



1. A rotary kiln having a drying zone for material to be calcined in the kiln, characterized by the provision in the drying zone of a helical channel with loose bodies of heat-resistant material therein and a perforated wall preventing the passage of the bodies from the channel into the body of the kiln but allowing the kiln gases to pass through the channel in countercurrent to the material.

2,069,165

ORGANO-MERCURY 1,2-ALIPHATIC-DIAMINE SULPHITES, AND PROCESS OF PRODUCING THEM

Morris S. Kharasch, Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application June 23, 1934, Serial No. 732,087

18 Claims. (Cl. 260—13)

1. A compound of the radical R—Hg— with a lower 1,2-aliphatic-diamine sulphite having the following formula:

R—Hg—(1,2-aliphatic-diamine sulphite)

where R represents a radical of the class consisting of alkyl radicals having between 1 and 6 carbon atoms and radicals of the benzene and the cycloparaffin series.

2,069,166

ORGANO-MERCURY DERIVATIVES OF 1,2-ALIPHATIC-DIAMINE THIOSULPHATES AND PROCESS OF PRODUCING THEM

Morris S. Kharasch, Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application June 23, 1934, Serial No. 732,088

18 Claims. (Cl. 260—13)

1. A compound of the radical R—Hg— with a lower 1,2-aliphatic-diamine thiosulphate having the following formula: R—Hg—(1,2-aliphatic-diamine thiosulphate) where R represents a radical of the class consisting of alkyl radicals having between 1 and 6 carbon atoms and radicals of the benzene and the cycloparaffin series.

2,069,167

1,2-ALIPHATIC-DIAMINE THIOSULPHATES AND PROCESS OF PREPARING THEM

Morris S. Kharasch, Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Original application January 23, 1934, Serial No. 732,088. Divided and this application April 22, 1936, Serial No. 75,751

6 Claims. (Cl. 260—127)

1. A 1,2-aliphatic-diamine-thiosulphate.

4. The process of producing a 1,2-aliphatic-diamine thiosulphate, which consists in boiling the corresponding 1,2-aliphatic-diamine sulphite with sulphur in water.

2,069,168

VAGINAL IRRIGATING APPLIANCE

John Andrew Kirk, Detroit, Mich.

Application March 16, 1934, Serial No. 715,927

2 Claims. (Cl. 128—241)



2. A vaginal irrigating appliance comprising, a cup shaped member formed of relatively hard rubber, said member being elongated in a direction parallel to its base, so as to substantially fit the user's body around the vagina, and said base having an opening therein adapted to receive an irrigating member therethrough, the rim of said cup shaped member terminating in a flat shoulder which extends substantially parallel to said base, and a resilient cushion annulus secured to said shoulder, said annulus having a pair of concentric cushion edges projecting outwardly therefrom in the direction in which said rim extends, said cushion edges being spaced from each other so that an annular chamber is formed between edges, said shoulder applying a compressive force on both of said edges when the cup shaped member is pressed against the user's body.

2,069,169

RELAY

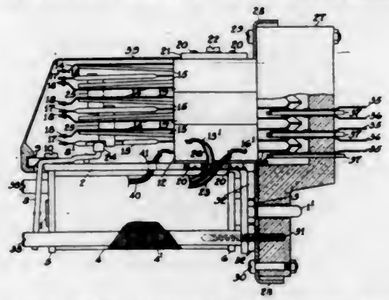
Richard C. Leake, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 28, 1932, Serial No. 608,035

12 Claims. (Cl. 200—166)

1. In a relay, a plurality of spaced contact fingers having a portion moulded into a block

of insulating material, the portion of the contact fingers moulded into said block being apertured,



said block being apertured to produce smaller holes therein concentric with the contact finger holes.

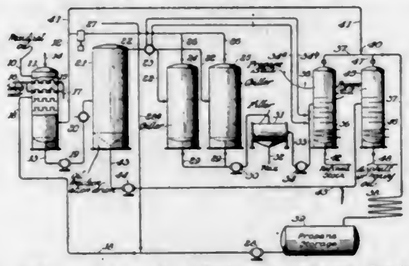
2,069,170

REFINING MINERAL LUBRICATING OILS

William J. McGill, Alton, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application May 9, 1934, Serial No. 724,674

2 Claims. (Cl. 196—18)



1. The process of refining a viscous hydrocarbon lubricating distillate containing paraffin and petrolatum wax, which comprises absorbing hot propane vapors therein until the oil is separated into two phases; regulating the temperature between 160 and 200° F., whereby the oil is separated into a lighter phase containing easily filterable paraffin wax and a heavier phase containing a difficulty filterable petroleum wax; cooling and refrigerating said lighter phase; then filtering crystallized wax from the refrigerated material and subsequently recovering the propane contained therein; recovering the propane from said heavier phase; recompressing propane vapors and absorbing said vapors while still hot with the heat of compression in said original lubricating oil distillate.

2,069,171

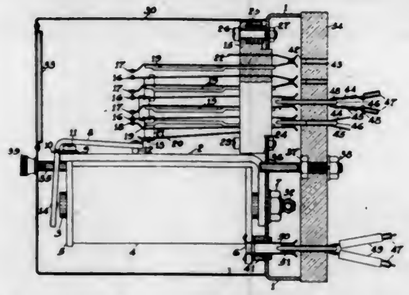
RELAY

Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 28, 1932, Serial No. 608,037

14 Claims. (Cl. 200—1)

3. In a relay, an operating arm, a contact holding member, an extending spring arm moulded into said contact holding member and having a free end resting on said operating arm, a plurality of front and back spring contact fingers moulded into said contact holding member, a plurality of movable spring contact fingers moulded into said contact holding member and having contact points engageable with contact points on associated front or back contact fingers, and insulated pushers passing through slots in said front and



back contact fingers and engaging said movable fingers at the rear of said contact points to transmit movement of said extending spring arm to the movable contact fingers.

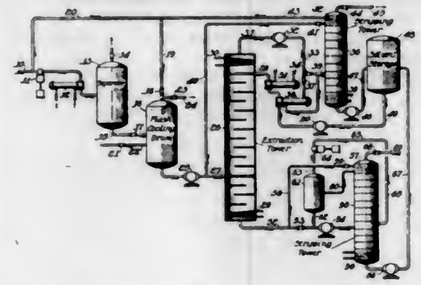
2,069,172

SEPARATION OF GASES

Clarke C. Miller, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application November 25, 1933, Serial No. 699,667

8 Claims. (Cl. 196—13)



1. The process of separating normally gaseous unsaturated hydrocarbons from normally gaseous saturated hydrocarbons, which comprises liquefying a mixture thereof, maintaining said mixture of hydrocarbons under pressure sufficient to maintain the hydrocarbons in liquefied form, extracting said liquefied mixture with an incompletely miscible organic solvent having greater solvent power for the unsaturated hydrocarbons than for the saturated hydrocarbons, and separating the solvent and hydrocarbons in solution therein from the remainder of the liquefied hydrocarbons prior to any distillatory step.

2,069,173

REFINING HYDROCARBON GASES

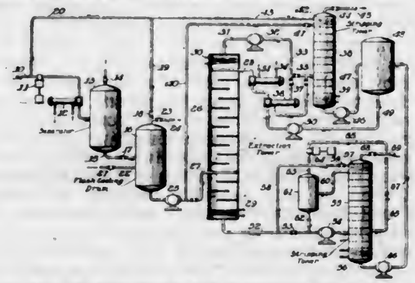
Clarke C. Miller, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application November 25, 1933, Serial No. 699,668

5 Claims. (Cl. 196—13)

1. The process of separating normally gaseous unsaturated hydrocarbons from normally gaseous saturated hydrocarbons, which comprises liquefying a mixture thereof, extracting said liquid mixture with liquid sulfur dioxide while under pressure sufficient to maintain the hydrocarbons

in liquefied form, and separating the solvent and hydrocarbons in solution therein from the re-



mainder of the liquefied hydrocarbons prior to any distillatory step.

2,069,174

AIR-SWEPT GRINDING MILL

Christian Nielsen, Klampenborg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application July 11, 1933, Serial No. 679,833

In Great Britain July 14, 1932

1 Claim. (Cl. 34—5)



A pre-heater for an air-swept tube mill comprising a rotatable shell, a plurality of axially parallel drums mounted in the shell, each drum being open at its ends to receive and permit the passage of material and aeriform fluid, means to deliver material to the receiving ends of the drums, and devices to discharge from the pre-heater material discharged from the drums, a conduit being provided through which may be introduced a current of heated aeriform fluid, each of said drums being provided at its discharge end with an annular plate having a high portion and a low portion to permit discharge of the material at a predetermined point in the rotation of the pre-heater and to prevent spilling of the material at other points.

2,069,175

SALICYLIC ESTERS OF ACYL GLYCOLS AND PROCESS FOR THE MANUFACTURE OF SAME

Ernst Preiswerk, Munchenstein, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application April 18, 1936, Serial No. 75,223. In Germany May 24, 1935

4 Claims. (Cl. 260—104)

1. The salicylic esters of the lower aliphatic mono-carboxylic acid esters of glycols, such substances being particularly well suited for percutaneous application.

2,069,176

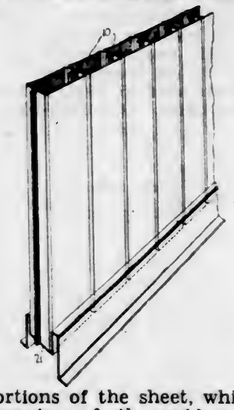
METALLIC WALL OR PARTITION

Edward G. Budd, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 2, 1934, Serial No. 718,578

2 Claims. (Cl. 189—34)

2. A wall or partition unit formed from a single piece of light gauge sheet metal bent into substantially box section form having side and end walls, the one end wall of the unit having the metal along its medial portion depressed inwardly defining an outwardly-opening channel and the opposed end wall being comprised of the meeting edge portions of the sheet, which have the abutting margins of the said edge portions flanged outwardly and secured together with the width of the flanges approximating the depth of the channel.



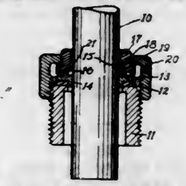
2,069,177

FERRULE

Albert F. Craver, Lakewood, Ohio, assignor to The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio

Application June 8, 1934, Serial No. 729,660

1 Claim. (Cl. 285—122)



The combination in a pipe joint of a sealing ferrule of unitary construction comprising an annular body portion adapted for sliding fit upon the exterior of a pipe, an outwardly extending lateral flange adjacent one end of said ferrule providing an annular pocket for the reception of packing material at such end of said ferrule, and a relatively thin walled conical extension on the other end of said ferrule having its smaller diameter adapted to slidably fit the exterior of the pipe, said conical extension being deformable upon external pressure to closely fit said pipe exterior.

2,069,178

METHOD OF DISPERSING RESINS AND COMPOSITION PRODUCED THEREBY

Harry M. Dent, Buffalo, Sydney H. Hall, Kenmore, and Lothar A. Sontag, North Tonawanda, N. Y., assignors to General Plastics, Inc., North Tonawanda, N. Y.

No Drawing. Application June 27, 1932, Serial No. 619,598

4 Claims. (Cl. 106—22)

1. A dry powdered composition comprising a heat hardenable synthetic resin partially advanced after homogenization with a non-solvent for the resin, said non-solvent having been subsequently removed, fluffy and flaky in character,

readily and easily mixed with water to form a milky substantially permanent dispersion therewith.

2,069,179

VAPOR DISSEMINATING PACKAGE

Sanford Judson Dunaway, Dover, N. H., assignor to The Expello Corporation, Dover, N. H., a corporation of New Hampshire

Application November 25, 1935, Serial No. 51,358
5 Claims. (Cl. 299—24)



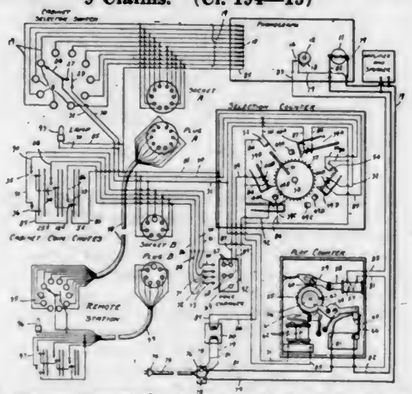
1. A vapor disseminating package comprising, in combination, a container having a perforate wall for the escape of vapor from the interior to the exterior, said container being provided with an opening at the bottom for the filling and refilling of said container, a closure for said opening, an evaporable substance supported by said closure, a follower supported by said substance and arranged to follow the latter toward said closure as said substance evaporates, and indicating means visible from the outside to indicate the position of said follower.

2,069,180

CONTROL APPARATUS FOR AUTOMATIC PHONOGRAPHS

Ralph R. Erbe, Fort Wayne, Ind., assignor to The Capehart Corporation, Fort Wayne, Ind., a corporation

Application March 28, 1935, Serial No. 13,387
9 Claims. (Cl. 194—15)



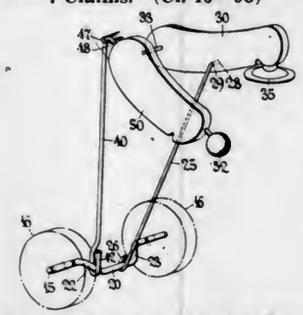
1. Control apparatus for an automatic phonograph having electrically operated means for preselecting a plurality of records to be played, said control apparatus including coin receiving means having electric contact elements actuated by the receipt of a coin or coins, electrical elements connected to and controlled by said contact elements, a movable member moved by said electrical elements a predetermined distance from a normal position each time a coin of a certain value is received by said coin receiving means, a manually operable selector switch, electric connections between said switch and the phonograph pre-selecting means by which the latter is actuated to select a record each time said switch is operated, means controlled by said movable member to render said switch ineffective when said member is in said normal position, an electrical element connected to and controlled by said selector switch and operating to move said member a predetermined distance toward said normal position each time said selector switch is operated to select a record, electrical means actuated by said phonograph each time a record is played, and an electrical counting device connected to and controlled by said last mentioned electrical means and by said selector switch and operating to stop the phonograph when as many records have been played as have been selected by operation of said switch.

2,069,181

MECHANICAL TOY

Herman G. Fisher, East Aurora, N. Y., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y.

Application May 29, 1936, Serial No. 82,538
7 Claims. (Cl. 46—98)



1. A toy comprising a support, a figure having a movable limb and carried on said support, means for pivotally connecting the limb to the figure, an axle and wheel unit rotatably carried in the support, said axle having a section inclined with respect to the axis of rotation of the axle, an actuating member formed with an elongate opening through which the inclined section of the axle is loosely disposed, means in the support for maintaining the actuating member against lateral displacement from the inclined section of the axle, said actuating member having a connection to the movable limb whereby rotation of the axle imparts an oscillatory action to the actuating member and operates the limb in substantially a predetermined plane of oscillation.

2,069,182

MINERAL CONCENTRATION

Johnson Hagood, Avenel, N. J., assignor to The American Agricultural Chemical Company, Newark, N. J., a corporation of Delaware

No Drawing. Application September 21, 1931, Serial No. 564,253
6 Claims. (Cl. 209—49)

1. In the art of concentrating phosphatic material in the form of a pulp to separate phosphatic from other constituents, the improvement which comprises establishing a mixture consisting of sulfonated oil for wetting the phosphate, together with substantially soap-free material including phosphatic pulp, and thereafter subjecting the mixture to the concentrating operation and recovering a phosphate-bearing concentrate.

2,069,183

LIGHT COLORED HIGHLY HALOGENATED NAPHTHALENE AND PROCESS OF PRODUCING SAME

Ernest R. Hanson, Bloomfield, and Sandford Brown, Montclair, N. J., assignors to Halowax Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 2, 1934, Serial No. 718,678
9 Claims. (Cl. 260—161)

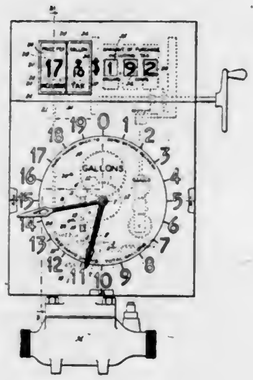
1. A method of obtaining substantially white highly chlorinated substitution products of naphthalene, which comprises distilling at a low pressure of 100 m. m. of mercury or less, an impure chlorinated naphthalene having a gravity of at least 1.49 at 150° C., and collecting a fraction having a substantially white color, a melting point between substantially 115° C. and 138° C. and a chlorine content between substantially 59% and substantially 62%.

2,069,184

COMPUTING APPARATUS

Charles S. Hazard, New York, N. Y., assignor to Neptune Meter Company, New York, N. Y., a corporation of New Jersey

Application May 24, 1935, Serial No. 23,148
3 Claims. (Cl. 74—393)



1. In combination, two change gears corresponding to different values, a common means to actuate both of said change gears, means to transmit movement from one of said change gears, said transmitting means including a gear rotated with said last mentioned change gear and a wobble shaft having a gear in engagement with the gear rotated with the last mentioned change gear, and means actuated by the other change gear to cause the gear on the wobble shaft to have bodily movement in a circular path while in engagement with the gear included in said transmitting means, whereby the movement of rotation of the wobble shaft is a resultant of the rotation of both change gears.

2,069,185

MANUFACTURE OF VANILLIN FROM WASTE SULPHITE PULP LIQUOR

Harold Hibbert, Montreal, Quebec, and George H. Tomlinson, Jr., Westmount, Quebec, Canada, assignors to Howard Smith Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada

No Drawing. Application December 27, 1934, Serial No. 759,430
10 Claims. (Cl. 260—137)

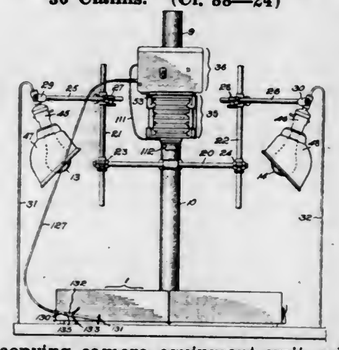
1. A process for obtaining vanillin from liquor containing lignin sulphonic acids which comprises subjecting the liquor to the action of hot caustic alkali and subjecting the resulting alkaline reaction liquid to the action of carbon dioxide to liberate the previously formed vanillin.

2,069,186

COPYING CAMERA EQUIPMENT UNIT AND FILM MAGAZINE USED THEREWITH BUT ALSO CONSTITUTING A DISTINCT UNIT

Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application August 10, 1935, Serial No. 35,612
30 Claims. (Cl. 88—24)



1. A copying camera equipment unit, adapted for ready assembling and disassembling and adapted to be readily carried in packed, disassembled condition, comprising a camera for general use but having a removable wall opposite the lens; a film magazine adapted to be removably applied to the back portion of said camera and having within the same means for feeding the film and adapted to be manually operated intermittently; lighting means; a standard whereon said camera with said applied magazine and said lighting means are adapted to be removably mounted; and a readily portable case adapted to be used as a platen or work table for the positioning thereabove of the objects to be photographed and to have said standard removably mounted thereon; said case being adapted to receive therein for transportation said equipment unit parts.

2,069,187

PROCESS OF CONVERTING SOY-BEAN OIL, AND OF OBTAINING LECITHIN

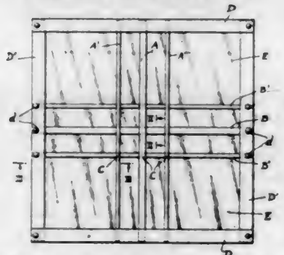
Henry R. Kraybill, La Fayette, Ind., assignor to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Application December 22, 1932, Serial No. 648,448
10 Claims. (Cl. 87—6)

1. The method of converting an expressed "break" soy-bean oil into a "non-break" soy-bean oil, and at the same time obtaining phos-

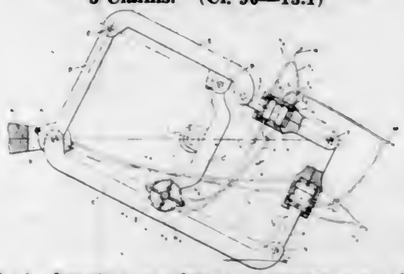
phatides therefrom, which consists in separating phosphatides as such from such expressed "break" soy-bean oil by extracting the "break" soy-bean oil with water or alcohol which in the cold does not materially dissolve the oil but does hold phosphatides, and separating said water or alcohol and the phosphatides which it holds from the resultant "non-break" oil.

2,069,188
CONTINUOUS CAME GLAZING
Warren R. McMann, New York, N. Y.
Application May 26, 1933, Serial No. 672,937
8 Claims. (Cl. 189—77)



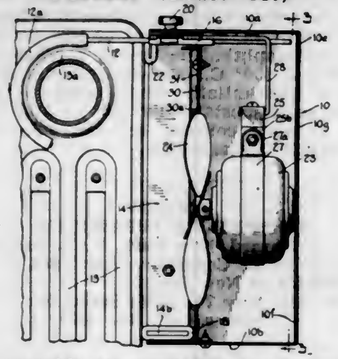
1. A leaded-glass window panel having outside border members with two inwardly projecting came leaves, a series of cames with their leaves on both sides extending continuously from border to border in two intersecting directions, intersections of the series of cames extending in opposite directions forming joints in which the leaves on both sides of the cames in one direction pass through holes in the hearts of the series of cames extending in the transverse direction, so constructed and arranged whereby the leaves of the cames in both series of cames extend continuous between the panel border members with the leaves on the outside and inside of the cames overlapping and holding the surface of the supported panes of glass or other material against removal laterally in either direction by their substantially overlapping the inside and outside border surface of the glass.

2,069,189
HYDRAULIC MOTION-CONTROLLING MEANS
William Taylor, Leicester, England, assignor to Kapella Limited, Leicester, England, a corporation of England
Application October 25, 1934, Serial No. 749,966
In Great Britain October 26, 1933
5 Claims. (Cl. 90—13.1)



1. A forming machine, comprising a shaft adapted to carry an object roller to be formed and a model roller, means for rotating said shaft and rollers, a frame adapted to swing about an axis parallel to said shaft, means for moving said frame in the direction of its axis, a former and a follower mounted on said frame, the portion of the frame carrying the follower being movable angularly with respect to that portion of the frame which carries the former, a hydraulic motor for moving the second portion of the frame about said axis, and a valve, one part of which is connected to one of said portions of the frame while the other part is connected to the other of said portions, whereby relative angular movement of said portions permits fluid to pass through said valve to or from said motor until the initial relative angular position of the two portions is restored.

2,069,190
CIRCULATION ENHANCING ATTACHMENT FOR RADIATORS
Clarence M. Woolley, New York, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application November 8, 1935, Serial No. 48,813
4 Claims. (Cl. 257—137)

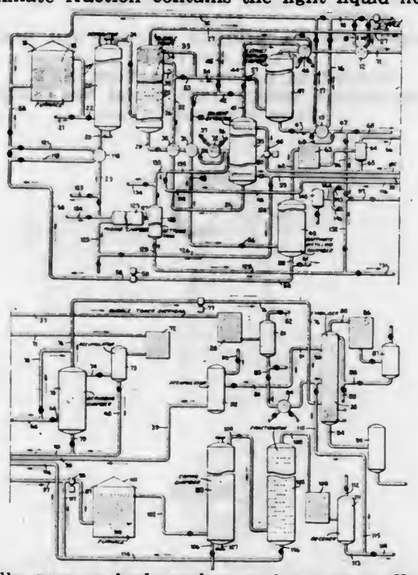


1. A portable air circulating attachment for a radiator including in combination a casing having an air inlet spaced apart from an air outlet, air projecting means interposed between said air inlet and said air outlet, and means for positioning said casing proximate a vertical face of the radiator with either its air inlet or its air outlet in registry with air channels running through the body of the radiator, said means comprising a hanger adapted to embrace a portion of the radiator in effecting support of said casing.

2,069,191
CONVERSION OF HYDROCARBON OILS
Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application October 31, 1934, Serial No. 750,856
6 Claims. (Cl. 196—50)

1. In the pyrolytic treatment of hydrocarbon oil wherein the fresh charging oil is subjected to cracking treatment and the cracked products thereafter separated into vapors and unvaporized residuum; the improvement which comprises treating the residuum resulting from said separation with a liquefied, normally gaseous, hydrocarbon to precipitate a heavy fraction therefrom, separating said heavy fraction from supernatant liquid, treating said supernatant liquid with a solvent capable of separating the same into a paraffinic component and a nonparaffinic component and subjecting said paraffinic component to said first mentioned cracking treatment to convert the same into hydrocarbons suitable for motor fuel.

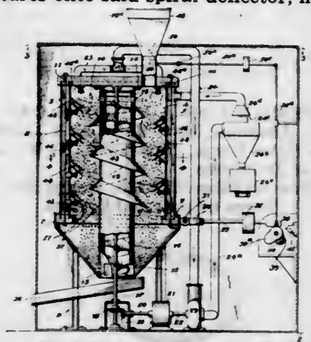
6. In the solvent treatment of hydrocarbon oil wherein the oil is separated into a paraffinic component and a nonparaffinic component; the improvement which comprises treating said oil with a light liquid, normally gaseous, hydrocarbon and with a nonparaffinic solvent having a higher boiling point than said last-mentioned liquefied hydrocarbon, whereby the paraffinic raffinate fraction contains the light liquid nor-



mally gaseous hydrocarbon and a nonparaffinic extraction contains the nonparaffinic solvent, distilling said paraffinic fraction to liberate said light, normally gaseous, hydrocarbons, and scrubbing the light hydrocarbons liberated from said last-named distilling operation with said nonparaffinic higher boiling solvent.

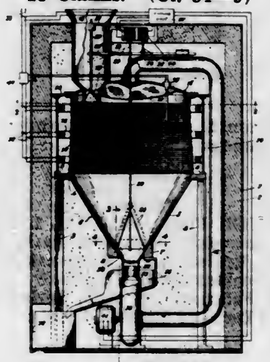
2,069,192
AUTOMATIC ROASTER
Harry C. A. Behr and Jules J. Eck, York, Pa., assignors to Yorktown Electric Roaster Manufacturing Corporation, York, Pa., a corporation of Pennsylvania
Application January 29, 1936, Serial No. 61,386
4 Claims. (Cl. 34—34)

1. In an apparatus of the class described, the combination of a container, a vertical conveyor casing in said container, said conveyor casing provided with a spiral deflector fixedly secured to its outside, said conveyor casing provided with horizontal inlet apertures at its lower end and horizontal outlet apertures at its upper end, conveyor means in said conveyor casing for elevating foods and discharging the same through said outlet apertures onto said spiral deflector, means for



discharging foods from the lower end of said container, and means at the top of said container for supplying foods thereto.

2,069,193
AUTOMATIC ROASTER
Harry C. A. Behr and Jules J. Eck, York, Pa., assignors to Yorktown Electric Roaster Manufacturing Corporation, York, Pa., a corporation of Pennsylvania
Application June 20, 1936, Serial No. 86,406
13 Claims. (Cl. 34—9)



6. In a roaster, the combination of a container provided with a discharge outlet, means for forcing air under pressure through said discharge outlet, valve means provided with a screen over said air forcing means, said forced air passing through said screen of the valve means, and means for operating said valve means.

DESIGNS

JANUARY 26, 1937

102,863
DESIGN FOR A POWDER CAN
Samuel L. Antonow, New York, N. Y., assignor to Vadsco Sales Corp., New York, N. Y., a corporation of Delaware
Application October 7, 1936, Serial No. 65,194
Term of patent 14 years



The ornamental design for a powder can, substantially as shown.

102,864
DESIGN FOR A SIGNAL LAMP
Samuel F. Arbuckle, Highland Park, Mich., assignor to United Lens Corporation, Detroit, Mich., a corporation of Delaware
Application February 20, 1936, Serial No. 61,265
Term of patent 14 years



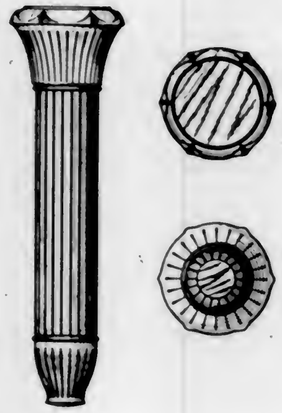
The ornamental design for a signal lamp, substantially as shown.

102,865
DESIGN FOR A SIPHON BOTTLE OR SIMILAR ARTICLE
McClelland Barclay, New York, N. Y.
Application June 6, 1936, Serial No. 63,072
Term of patent 7 years



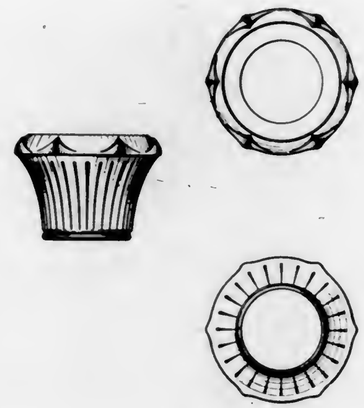
The ornamental design for a siphon bottle or similar article substantially as shown.

102,866
DESIGN FOR A FLASHLIGHT CASING
Colin D. Barrett, Watertown, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 21, 1936, Serial No. 66,054
Term of patent 14 years



The ornamental design for a flashlight casing substantially as shown.

102,867
DESIGN FOR A FLASHLIGHT HEAD SHELL
Colin D. Barrett, Watertown, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 21, 1936, Serial No. 66,055
Term of patent 14 years



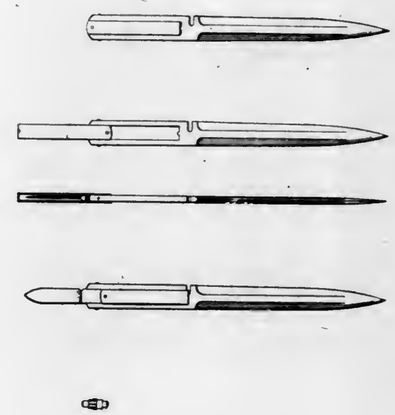
The ornamental design for a flashlight head shell, substantially as shown.

102,868
DESIGN FOR A FLASHLIGHT BASE CAP
Colin D. Barrett, Watertown, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 21, 1936, Serial No. 66,056
Term of patent 14 years



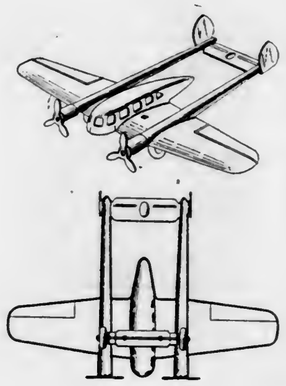
The ornamental design for a flashlight base cap substantially as shown.

102,869
DESIGN FOR A KNIFE
Alfred O. Beisang, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application April 24, 1936, Serial No. 62,283
Term of patent 3½ years



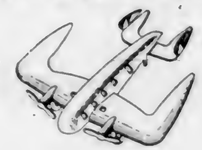
The ornamental design for a knife, as shown.

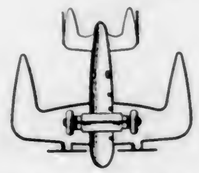
102,870
DESIGN FOR A TOY AEROPLANE
Charles A. Brethen, Wyandotte, and John Gora, Ecorse, Mich., assignors to All Metal Products Company, Wyandotte, Mich., a corporation of Michigan
Application April 4, 1936, Serial No. 61,956
Term of patent 3½ years



The ornamental design for a toy aeroplane, as shown.

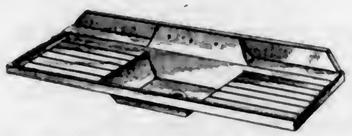
102,871
DESIGN FOR A TOY AEROPLANE
Charles A. Brethen, Wyandotte, and John Gora, Ecorse, Mich., assignors to All Metal Products Company, Wyandotte, Mich., a corporation of Michigan
Application April 4, 1936, Serial No. 61,957
Term of patent 3½ years





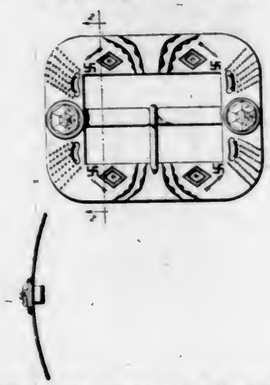
The ornamental design for a toy aeroplane, as shown.

102,872
DESIGN FOR A SINK
Charles R. Crane, II, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application December 5, 1936, Serial No. 66,342
Term of patent 14 years



The ornamental design for a sink, substantially as shown.

102,873
DESIGN FOR A BUCKLE
John R. Craighead, Denver, Colo.
Application December 1, 1936, Serial No. 66,240
Term of patent 7 years



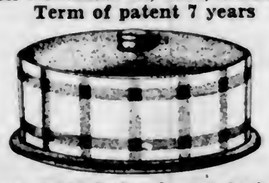
The ornamental design for a buckle, as shown.

102,874
DESIGN FOR A COMBINATION SALT AND PEPPER SHAKER
Delmar L. Callison, Coleman, Mich.
Application November 16, 1936, Serial No. 65,959
Term of patent 14 years



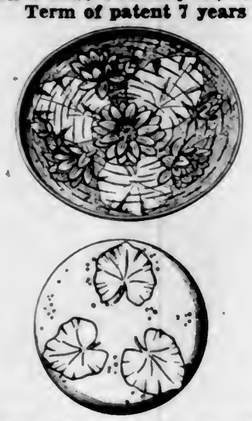
The ornamental design for a combination salt and pepper shaker, as shown.

102,875
DESIGN FOR A CAKE BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application November 16, 1936, Serial No. 65,931
Term of patent 7 years



The ornamental design for a cake box substantially as shown.

102,876
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Maurice Exelmans, Paris, France, assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application June 18, 1936, Serial No. 63,367
In France February 21, 1936
Term of patent 7 years



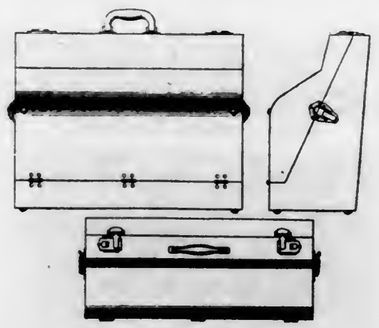
The ornamental design for a bowl or similar article, as shown.

102,877
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Fatherley, Darien, Conn., assignor to Morton D. Kornfeld, New York, N. Y.
Application November 24, 1936, Serial No. 66,110
Term of patent 3½ years



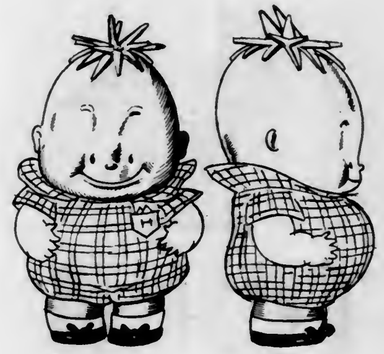
The ornamental design for a textile fabric or similar article as shown and described.

102,878
DESIGN FOR A MUSICAL INTRUMENT CASE
Max Frost, Brooklyn, N. Y.
Application November 6, 1936, Serial No. 65,744
Term of patent 14 years



The ornamental design for a musical instrument case substantially as shown.

102,879
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Marguerite George and Marian Foster, New York, N. Y.
Application March 12, 1936, Serial No. 61,606
Term of patent 14 years



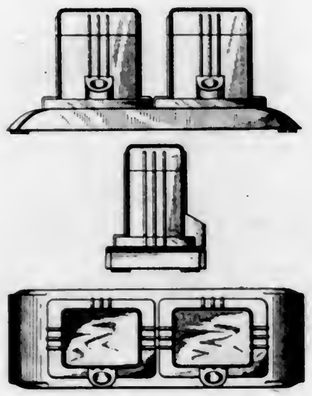
The ornamental design for a doll or similar article, as shown.

102,880
DESIGN FOR A DOLL HEAD OR SIMILAR ARTICLE
Marguerite George and Marian Foster, New York, N. Y.
Application August 5, 1936, Serial No. 64,259
Term of patent 14 years



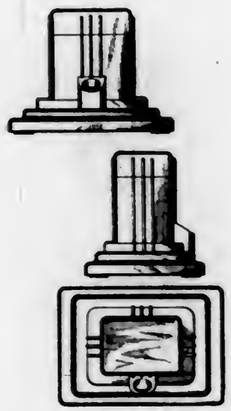
The ornamental design for a doll head or similar article, as shown.

102,881
DESIGN FOR A COMBINATION DESK SET
Carey G. Gregory, Los Angeles, Calif.
Application November 14, 1936, Serial No. 65,915
Term of patent 14 years



The ornamental design for a combination desk set, as shown.

102,882
DESIGN FOR A COMBINATION DESK SET
Carey G. Gregory, Los Angeles, Calif.
Application November 14, 1936, Serial No. 65,916
Term of patent 14 years



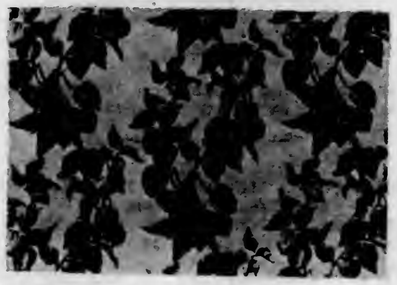
The ornamental design for a combination desk set, as shown.

102,883
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application December 28, 1936, Serial No. 66,749
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article as shown and described.

102,884
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application December 28, 1936, Serial No. 66,750
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article as shown.

102,885
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application December 28, 1936, Serial No. 66,751
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article, as shown and described.

102,886
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application December 28, 1936, Serial No. 66,752
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article, as shown and described.

102,887
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application December 28, 1936, Serial No. 66,753
Term of patent 3½ years



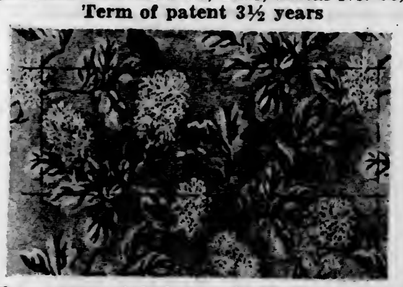
The ornamental design for a printed textile fabric or similar article, as shown.

102,888
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application December 28, 1936, Serial No. 66,754
Term of patent 3½ years



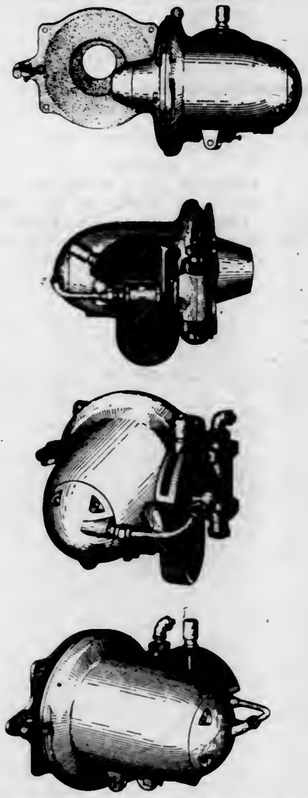
The ornamental design for a printed textile fabric or Similar article, as shown.

102,889
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application December 28, 1936, Serial No. 66,755
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article as shown and described.

102,890
DESIGN FOR AN OIL BURNER OR SIMILAR ARTICLE
Nelson Hayward, San Francisco, Calif., assignor to Ray Oil Burner Co., San Francisco, Calif., a corporation of Delaware
Application August 5, 1936, Serial No. 64,265
Term of patent 14 years



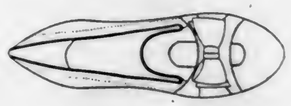
The ornamental design for an oil burner or similar article, substantially as shown and described.

102,891
DESIGN FOR A HEBREW ALPHABET
Samu-El Ish-Shalom, New York, N. Y., assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application November 13, 1936, Serial No. 65,882
Term of patent 14 years



The ornamental design for a Hebrew alphabet substantially as shown and described.

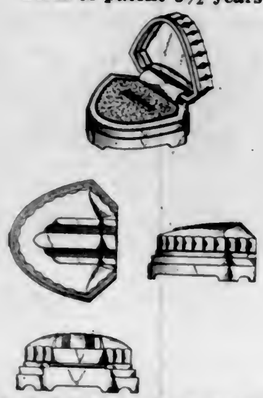
102,892
DESIGN FOR A SHOE
Bennett Jayne, New York, N. Y., assignor to Colella & Leighton Shoe Co., Lynn, Mass.
Application December 2, 1936, Serial No. 66,252
Term of patent 3½ years





The ornamental design for a shoe as shown.

102,893
DESIGN FOR A JEWELRY BOX
Irwin H. Jellinek, Buffalo, N. Y., assignor to Buffalo Jewelry Case Company, Buffalo, N. Y., a corporation of New York
Application November 21, 1936, Serial No. 66,059
Term of patent 3½ years



The ornamental design for a jewelry box, substantially as shown.

102,894
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,343
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

102,895
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,344
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

102,896
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,345
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

102,897
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,346
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

102,898
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,347
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

102,899
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,349
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

102,900
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,350
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

102,901
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,352
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

102,902
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,353
Term of patent 3½ years



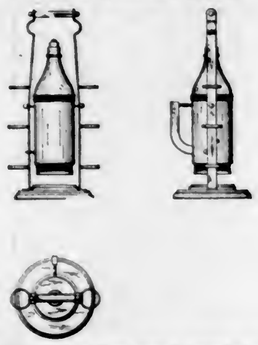
The ornamental design for a shoe substantially as shown and described.

102,903
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application December 5, 1936, Serial No. 66,354
Term of patent 3½ years



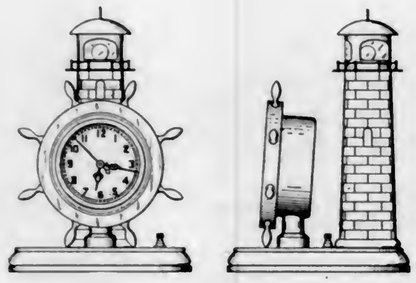
The ornamental design for a shoe substantially as shown and described.

102,904
DESIGN FOR A COMBINED BEVERAGE CONTAINER AND SERVING GLASS RACK
Alexander Karsh, New York, N. Y.
Application October 23, 1936, Serial No. 65,462
Term of patent 7 years



The ornamental design for a combined beverage container and serving glass rack, as shown.

102,905
DESIGN FOR A COMBINED CLOCK CASE AND LAMP
Donald R. Keppler and Paul D. Keppler, Seattle, Wash.
Application October 23, 1936, Serial No. 65,448
Term of patent 7 years



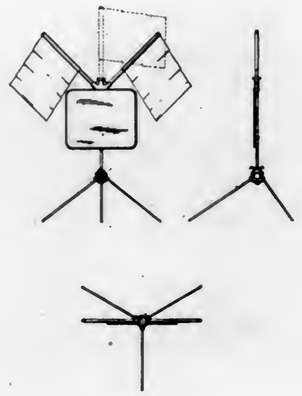
The ornamental design for a combined clock case and lamp, as shown.

102,906
DESIGN FOR A LIGHTING FIXTURE
William Lescaze, New York, N. Y., assignor to Silvray Lighting Inc., New York, N. Y., a corporation of New York
Application April 27, 1936, Serial No. 62,322
Term of patent 14 years



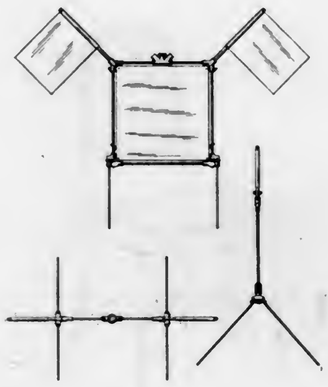
The ornamental design for a lighting fixture, as shown and described.

102,907
DESIGN FOR AN AUTOMATIC SIGN
Fred S. Lewis, South Bend, Ind.
Application July 2, 1936, Serial No. 63,611
Term of patent 3½ years



The ornamental design for an automatic sign, as shown.

102,908
DESIGN FOR AN AUTOMATIC SIGN
Fred S. Lewis, South Bend, Ind.
Application July 6, 1936, Serial No. 63,682
Term of patent 3½ years



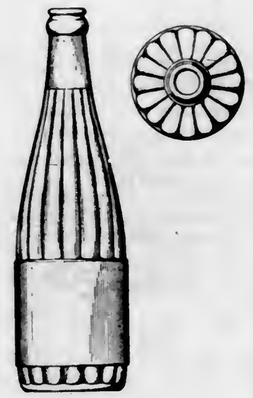
The ornamental design for an automatic sign, as shown.

102,909
DESIGN FOR A COAT
Ralph Lieberman, New York, N. Y.
Application October 24, 1936, Serial No. 65,473
Term of patent 3½ years



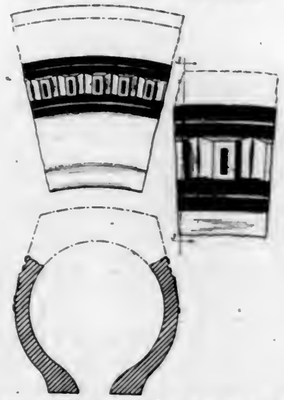
The ornamental design for a coat, substantially as shown and described.

102,910
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 20, 1936, Serial No. 61,707
Term of patent 14 years



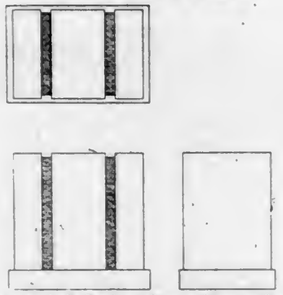
The ornamental design for a bottle, substantially as shown.

102,911
DESIGN FOR A TIRE
James Martin, New York, N. Y.
Application December 16, 1935, Serial No. 60,103
Term of patent 3½ years



The ornamental design for a tire substantially as shown.

102,912
DESIGN FOR A BOX
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1935, Serial No. 59,789
Term of patent 14 years



The ornamental design for a box substantially as shown and described.

102,913
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
Ida Oiring, Chicago, Ill.
Application November 11, 1936, Serial No. 65,852
Term of patent 7 years





The ornamental design for a finger ring or similar article, substantially as shown and described.

102,914
DESIGN FOR A DRAIN BOARD
Julian L. Perkins, West Springfield, Mass.
Application September 18, 1936, Serial No. 64,913
Term of patent 3½ years





The ornamental design for a drain board as shown.

102,915
DESIGN FOR A CHAIR
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application December 7, 1936, Serial No. 66,372
Term of patent 14 years



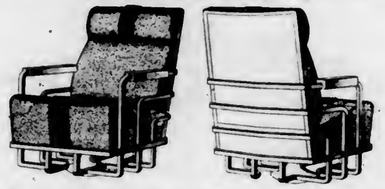
The ornamental design for a chair as shown.

102,916
DESIGN FOR A CHAIR
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application December 7, 1936, Serial No. 66,373
Term of patent 14 years



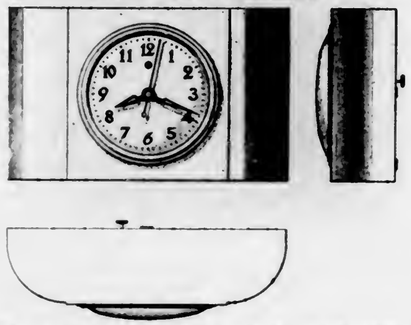
The ornamental design for a chair as shown.

102,917
DESIGN FOR A CHAIR
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application December 7, 1936, Serial No. 66,374
Term of patent 14 years



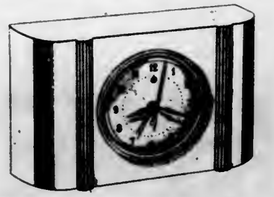
The ornamental design for a chair as shown.

102,918
DESIGN FOR A CLOCK CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application August 8, 1936, Serial No. 64,305
Term of patent 14 years



The ornamental design for a clock case as shown and described.

102,919
DESIGN FOR A CLOCK CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application November 21, 1936, Serial No. 66,073
Term of patent 14 years



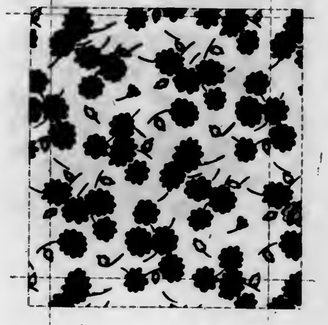
The ornamental design for a clock case as shown.

102,920
DESIGN FOR A LADY'S HAT
Hyman Rosen, New York, N. Y.
Application November 18, 1936, Serial No. 65,997
Term of patent 3½ years



The ornamental design for a lady's hat substantially as shown.

102,921
DESIGN FOR A TEXTILE FABRIC
Cyril C. Ryan, East Hempstead, N. Y.
Application December 24, 1936, Serial No. 66,719
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

102,922
DESIGN FOR A TEXTILE FABRIC
Cyril C. Ryan, East Hempstead, N. Y.
Application December 24, 1936, Serial No. 66,720
Term of patent 3½ years



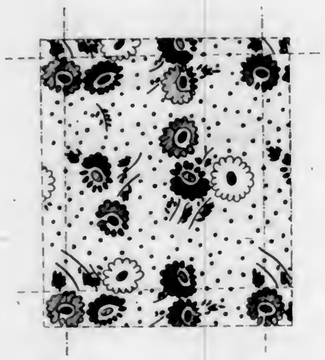
The ornamental design for a textile fabric, substantially as shown and described.

102,923
DESIGN FOR A TEXTILE FABRIC
Cyril C. Ryan, East Hempstead, N. Y.
Application December 24, 1936, Serial No. 66,721
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

102,924
DESIGN FOR A TEXTILE FABRIC
Cyril C. Ryan, East Hempstead, N. Y.
Application December 24, 1936, Serial No. 66,722
Term of patent 3½ years



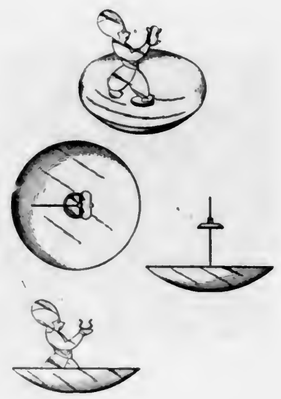
The ornamental design for a textile fabric, substantially as shown and described.

102,925
DESIGN FOR A COAT
Samuel Sandhaus, New York, N. Y.
Application November 3, 1936, Serial No. 65,656
Term of patent 3½ years



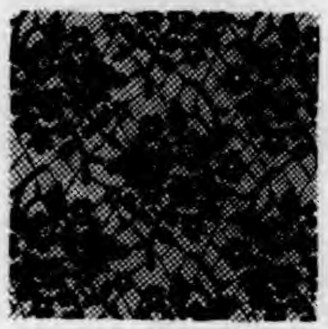
The ornamental design for a coat, substantially as shown and described.

102,926
DESIGN FOR AN ASHTRAY
Jacob S. Sherman, Chicago, Ill.
Application November 4, 1936, Serial No. 65,687
Term of patent 14 years



The ornamental design for an ashtray, substantially as shown.

102,927
DESIGN FOR LACE
Daniel F. Siegrist, Glen Rock, N. J., assignor to American Fabrics Company, Bridgeport, Conn.
Application October 17, 1936, Serial No. 65,340
Term of patent 3½ years



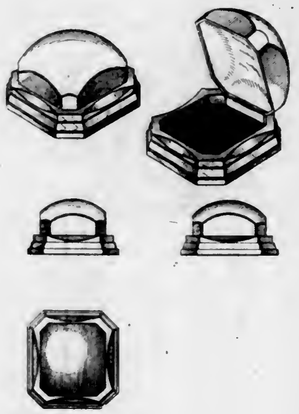
The ornamental design for lace, substantially as shown.

102,928
DESIGN FOR LACE
Daniel F. Siegrist, Glen Rock, N. J., assignor to American Fabrics Company, Bridgeport, Conn.
Application October 17, 1936, Serial No. 65,341
Term of patent 3½ years



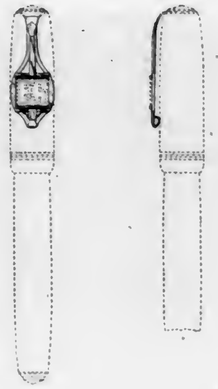
The ornamental design for lace, substantially as shown.

102,929
DESIGN FOR A JEWELRY BOX OR SIMILAR CONTAINER
John M. Shields, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application November 11, 1936, Serial No. 65,835
Term of patent 7 years



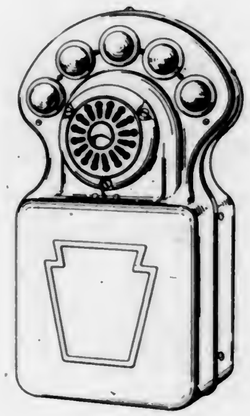
The ornamental design for a jewelry box or similar container, as shown.

102,930
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Charles Silverman, Providence, R. I.
Application November 14, 1936, Serial No. 65,909
Term of patent 7 years



The ornamental design for a fountain pen or similar article, substantially as shown and described.

102,931
DESIGN FOR A WIGWAG SIGNAL
William E. Signor, Gettysburg, Pa.
Application August 14, 1935, Serial No. 58,119
Term of patent 3½ years



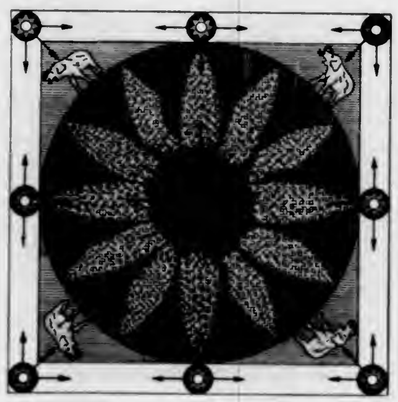
The ornamental design for a wigwag signal, as shown and described.

102,932
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Michaelangelo Susi, New York, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application December 28, 1936, Serial No. 66,745
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

102,933
DESIGN FOR A GAME BOARD OR THE LIKE
Domenic A. Valvano, Linden, N. J.
Application September 1, 1936, Serial No. 64,674
Term of patent 3½ years



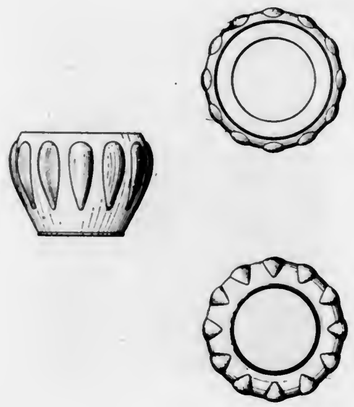
The ornamental design for a game board or the like substantially as shown and described

102,934
DESIGN FOR A SHOE
Alfred Vamos, New York, N. Y., assignor to Bancroft Walker Company, Waltham, Mass., a corporation of Massachusetts
Application December 2, 1936, Serial No. 66,270
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

102,935
DESIGN FOR A FLASHLIGHT HEAD SHELL
William R. Westfall, Kew Gardens, N. Y., assignor to Scovill Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application October 2, 1936, Serial No. 65,139
Term of patent 14 years



The ornamental design for a flashlight head shell substantially as shown and described.

102,936
DESIGN FOR A LOCK FOR BICYCLES OR THE LIKE
Solomon Wise, Shaker Heights, Ohio
Application November 23, 1936, Serial No. 66,088
Term of patent 14 years

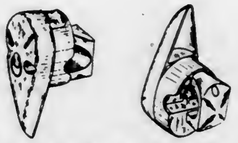




The ornamental design for a lock for bicycles or the like as shown and described.

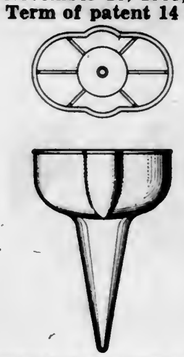
102,937
DESIGN FOR A BICYCLE LOCK
Solomon Wise, Shaker Heights, Ohio
Application November 23, 1936, Serial No. 66,089
Term of patent 14 years





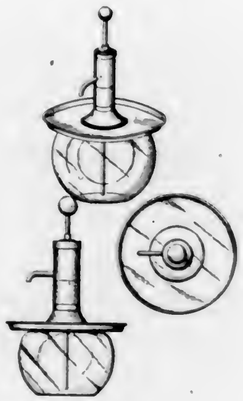
The ornamental design for a bicycle lock as shown and described.

102,938
DESIGN FOR AN ICE CREAM CONE
Hobart F. Woodward, Minneapolis, Minn.
Application November 13, 1935, Serial No. 59,535
Term of patent 14 years



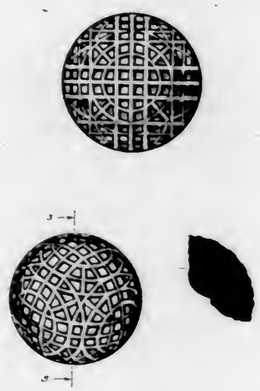
The ornamental design for an ice cream cone as shown and described.

102,939
DESIGN FOR A COMBINED LIQUID CONTAINER, DISPENSER, AND SERVING TRAY
Jacob S. Sherman, Chicago, Ill.
Application November 4, 1936, Serial No. 65,689
Term of patent 14 years



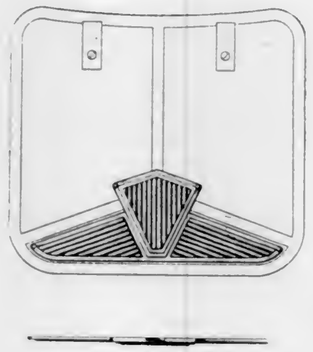
The ornamental design for a combined liquid container, dispenser, and serving tray substantially as shown.

102,940
DESIGN FOR A GOLF BALL OR THE LIKE
Frank H. Cavignac, New York, N. Y.
Application November 17, 1936, Serial No. 65,986
Term of patent 3½ years



The ornamental design for a golf ball or the like as shown.

102,941
DESIGN FOR A FENDER SPLASH GUARD
Bert G. Cochrane, Chicago, Ill., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 9, 1936, Serial No. 66,399
Term of patent 7 years



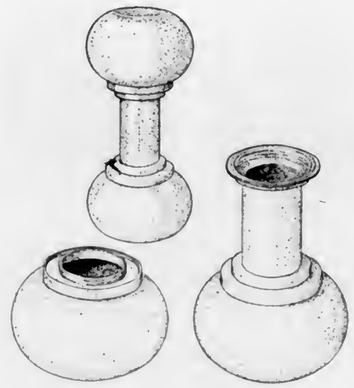
The ornamental design for a fender splash guard, as shown and described.

102,942
DESIGN FOR A BOTTLE
George H. Covert, Cleveland Heights, Ohio
Application October 21, 1936, Serial No. 65,396
Term of patent 14 years



The ornamental design for a bottle substantially as shown and described.

102,943
DESIGN FOR A COCKTAIL SHAKER
Helen Hughes Dulany, Chicago, Ill.
Application January 2, 1936, Serial No. 60,386
Term of patent 7 years



The ornamental design for a cocktail shaker substantially as shown and described.

102,944
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y.
Application January 2, 1937, Serial No. 66,857
Term of patent 3½ years



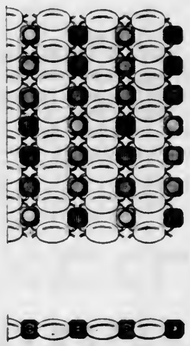
The ornamental design for a lace substantially as shown and described.

102,945
DESIGN FOR A COMPACT CASE
Mack M. Forman, Providence, R. I., assignor to Marathon Company, a corporation of Massachusetts
Application November 25, 1936, Serial No. 66,131
Term of patent 3½ years



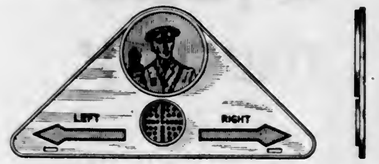
The ornamental design for a compact case, substantially as shown and described.

102,946
DESIGN FOR A BEADED HANDBAG FABRIC
David M. Furman, New York, N. Y., assignor to Kaplan & Gordon Corp., New York, N. Y., a corporation of New York
Application December 15, 1936, Serial No. 66,535
Term of patent 3½ years



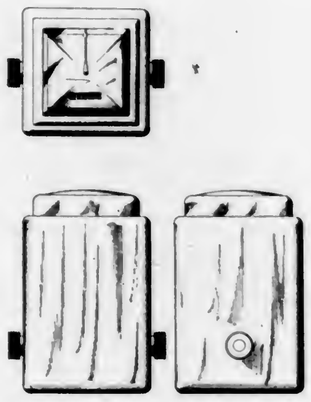
The ornamental design for a beaded handbag fabric substantially as shown and described.

102,947
DESIGN FOR A SIGNAL LAMP FACEPLATE
Leonardo Guardino, Brooklyn, N. Y.
Application October 28, 1936, Serial No. 65,554
Term of patent 14 years



The ornamental design for a signal lamp faceplate as shown.

102,948
DESIGN FOR A METER CASING
Joseph A. Hayes, Camp Hill, Pa., assignor to Neptune Meter Company, Long Island City, N. Y., a corporation of New Jersey
Application November 21, 1936, Serial No. 66,065
Term of patent 14 years



The ornamental design for a meter casing, as shown.

102,949
DESIGN FOR A FONT OF HEBREW TYPE
Samu-El Ish-Shalom, New York, N. Y., assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application July 16, 1936, Serial No. 63,876
Term of patent 14 years

אבגדה
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רלמסנן
סעפץצ
קרשת

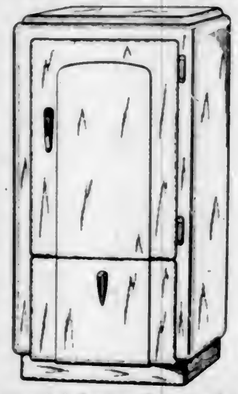
The ornamental design for a font of Hebrew type substantially as shown and described.

102,950
DESIGN FOR A SCARF
William Karp, New York, N. Y.
Application December 12, 1936, Serial No. 66,493
Term of patent 3½ years



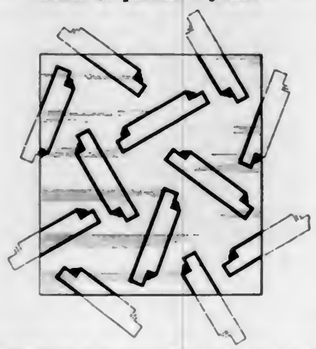
The ornamental design for a scarf, substantially as shown, and described.

102,951
DESIGN FOR A REFRIGERATOR CABINET
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application July 3, 1936, Serial No. 63,638
Term of patent 7 years



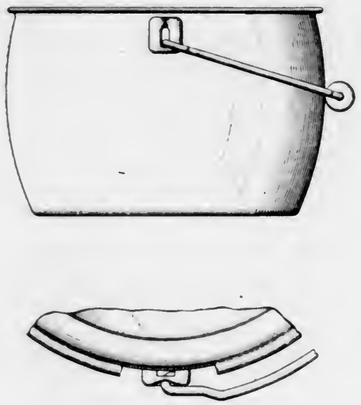
The ornamental design for a refrigerator cabinet, substantially as shown.

102,952
DESIGN FOR WRAPPING PAPER
Arthur Lewin, New York, N. Y.
Application December 16, 1936, Serial No. 66,555
Term of patent 7 years



The ornamental design for wrapping paper, as shown and described.

102,953
DESIGN FOR A KETTLE OR SIMILAR ARTICLE
Andrew W. Nelson, Terre Haute, Ind., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind., a corporation of Indiana
Application May 18, 1936, Serial No. 62,692
Term of patent 14 years



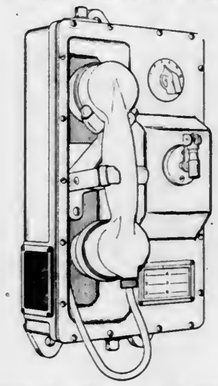
The ornamental design for a kettle or similar article, as shown and described.

102,954
DESIGN FOR A SAUCEPAN OR SIMILAR ARTICLE
Andrew W. Nelson, Terre Haute, Ind., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind., a corporation of Indiana
Application May 18, 1936, Serial No. 62,694
Term of patent 7 years



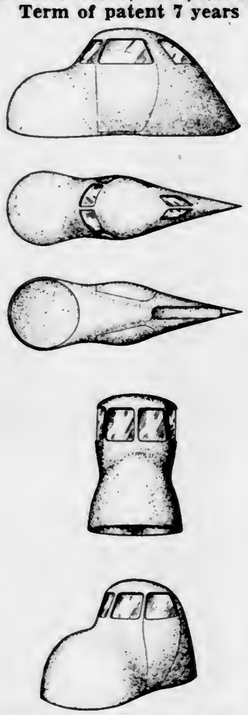
The ornamental design for a saucepan or similar article, as shown and described.

102,955
DESIGN FOR A WATERPROOF WALL TELEPHONE
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 2, 1936, Serial No. 66,246
Term of patent 14 years



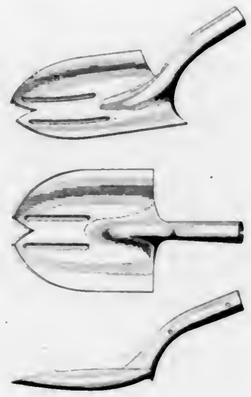
The ornamental design for a water-proof wall telephone as shown and described.

102,956
DESIGN FOR A BODY FOR TWO-WHEELED VEHICLES
Charles Stanley Prince, Washington, D. C.
Application December 8, 1936, Serial No. 66,391
Term of patent 7 years



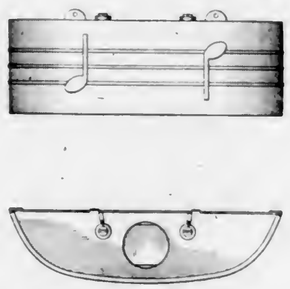
The ornamental design for a body for two-wheeled vehicles, substantially as shown.

102,957
DESIGN FOR A SHOVEL BLADE
Henry M. Renner, Elk City, Okla.
Application July 21, 1936, Serial No. 63,974
Term of patent 14 years



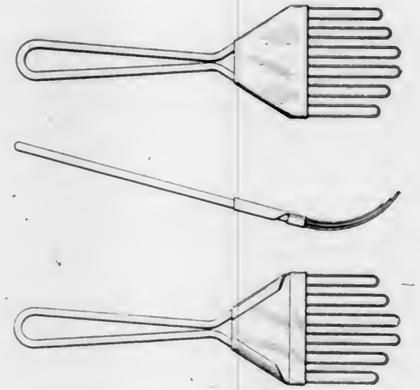
The ornamental design for a shovel blade, as shown and described.

102,958
DESIGN FOR A HOUSING FOR A SIGNAL DEVICE
Lloyd Rittenhouse, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application November 30, 1936, Serial No. 66,208
Term of patent 14 years



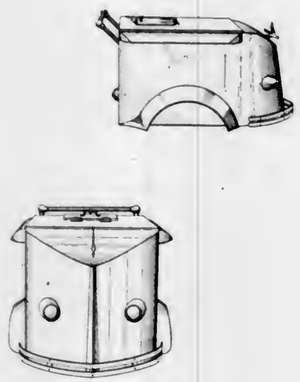
The ornamental design for a housing for a signal device, as shown.

102,959
DESIGN FOR AN EGG BEATER OR SIMILAR ARTICLE
Charles A. Rowley, Los Angeles, Calif.
Application August 25, 1936, Serial No. 64,563
Term of patent 14 years



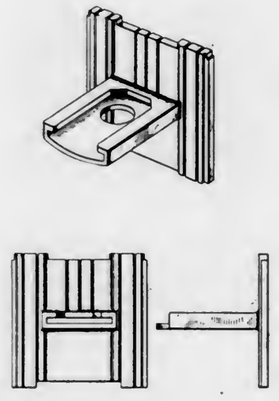
The ornamental design for an egg beater or similar article as shown.

102,960
DESIGN FOR A DISPENSING VEHICLE BODY
Morris H. Shield, Chicago, Ill.
Application May 12, 1936, Serial No. 62,606
Term of patent 3½ years



The ornamental design for a dispensing vehicle body, substantially as shown.

102,961
DESIGN FOR A FACEPLATE FOR A COIN CHUTE
William C. Shinn, Chicago, Ill., assignor to Chicago Lock Company, Chicago, Ill., a corporation of Illinois
Application December 2, 1936, Serial No. 66,249
Term of patent 7 years



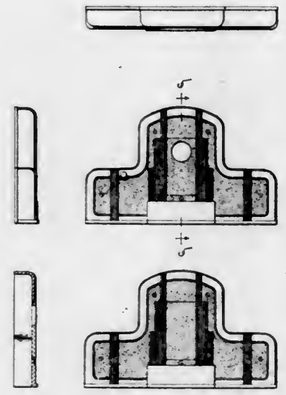
The ornamental design for a faceplate for a coin chute substantially as shown.

102,962
DESIGN FOR A KNITTED FABRIC
David Siegel, New York, N. Y.
Application November 11, 1936, Serial No. 65,845
Term of patent 7 years



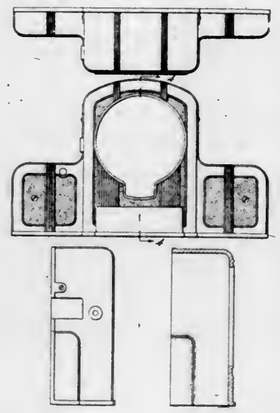
The ornamental design for a knitted fabric, as shown and described.

102,963
DESIGN FOR A DUPLICATING MACHINE SIDE CASING OR SIMILAR ARTICLE
Paul T. Trueman, Canton, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts
Application October 20, 1936, Serial No. 65,389
Term of patent 14 years



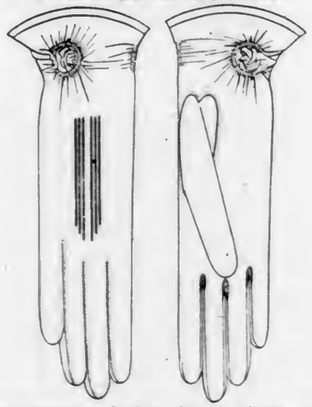
The ornamental design for a duplicating machine side casing or similar article as shown.

102,964
DESIGN FOR A DUPLICATING MACHINE SIDE CASING OR SIMILAR ARTICLE
Paul T. Trueman, Canton, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts
Application October 28, 1936, Serial No. 65,556
Term of patent 14 years



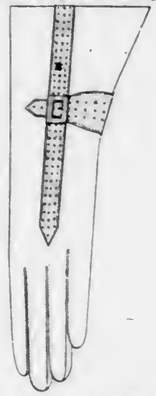
The ornamental design for a duplicating machine side casing or similar article as shown.

102,965
DESIGN FOR A GLOVE
Evelyn Webster, Gloversville, N. Y.
Application December 11, 1936, Serial No. 66,470
Term of patent 3½ years



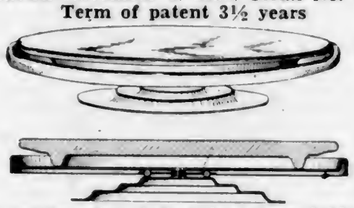
The ornamental design for a glove, substantially as shown.

102,966
DESIGN FOR A GLOVE
Evelyn Webster, Gloversville, N. Y.
Application December 15, 1936, Serial No. 66,532
Term of patent 3½ years



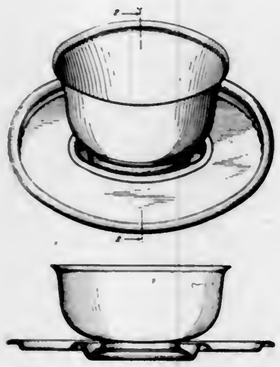
The ornamental design for a glove, substantially as shown and described.

102,967
DESIGN FOR A REVOLUBLE CAKE TRAY
Charles Daum, Forest Hills, N. Y.
Application November 6, 1935, Serial No. 59,410
Term of patent 3½ years



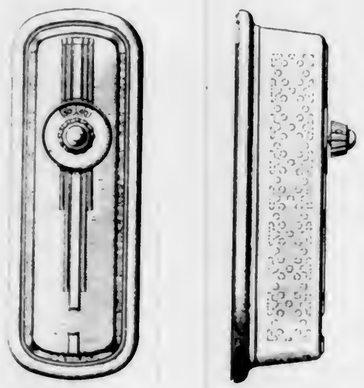
The ornamental design for a revoluble cake tray, as shown.

102,968
DESIGN FOR A COMBINED BOWL AND TRAY
Simon W. Farber, Brooklyn, N. Y.
Application October 6, 1936, Serial No. 65,181
Term of patent 14 years



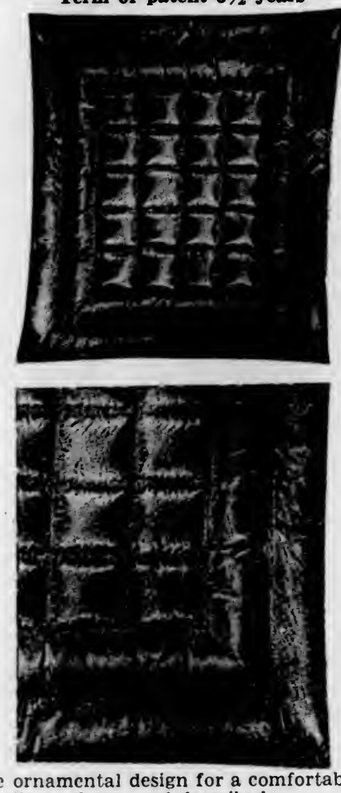
The ornamental design for a combined bowl and tray, substantially as shown and described.

102,969
DESIGN FOR AN AIR-CONDITIONING CONTROL DEVICE OR SIMILAR ARTICLE
Lucien L. Friez, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 2, 1936, Serial No. 63,618
Term of patent 3½ years



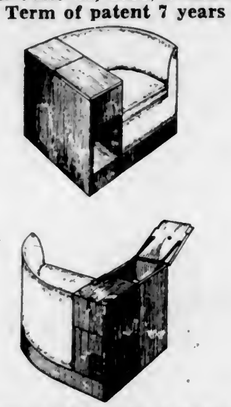
The ornamental design for an air-conditioning control device or similar article, as shown and described.

102,970
DESIGN FOR A COMFORTABLE
Joseph Goodstein, New York, N. Y.
Application August 8, 1936, Serial No. 64,296
Term of patent 3½ years



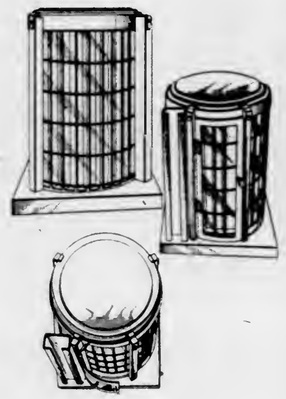
The ornamental design for a comfortable, substantially as shown and described.

102,971
DESIGN FOR A COMBINED SEAT AND TELEPHONE COMPARTMENT
Greta Hale, Chicago, Ill.
Application June 22, 1936, Serial No. 63,433
Term of patent 7 years



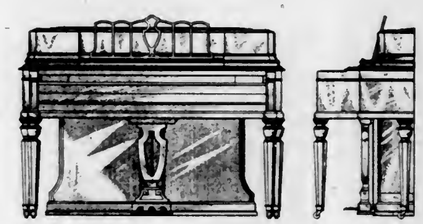
The ornamental design for a combined seat and telephone compartment, as shown.

102,972
DESIGN FOR A DISPLAY STAND
Raymond A. Hennings, New Orleans, La.
Application September 9, 1936, Serial No. 64,783
Term of patent 7 years



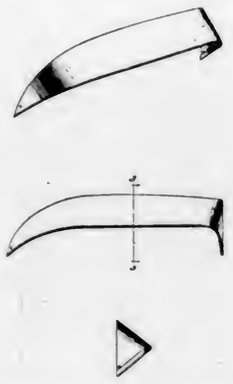
The ornamental design for a display stand, as shown.

102,973
DESIGN FOR A PIANO CASE
Gardner C. Kavanagh, Rochester, N. Y., assignor to Aeolian American Corporation, East Rochester, N. Y., a corporation of New York
Application November 25, 1936, Serial No. 66,133
Term of patent 14 years



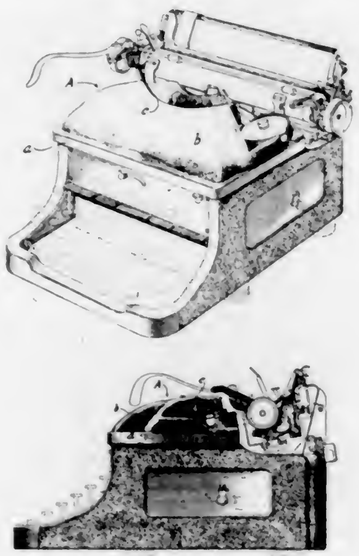
The ornamental design for a piano case, as shown.

102,974
DESIGN FOR A COMBINED SUN VISOR AND VENTILATOR FOR MOTOR VEHICLE WINDOWS
Nelle W. Pritchard, Atlantic Beach, Fla.
Application November 2, 1936, Serial No. 65,648
Term of patent 14 years



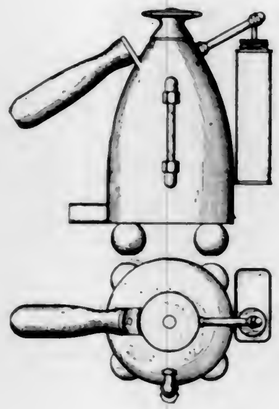
The ornamental design for a combined sun visor and ventilator for motor vehicle windows substantially as shown and described.

102,975
DESIGN FOR A TYPEWRITING MACHINE
James H. Rand, Jr., and Russell E. Benner, Buffalo, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 26, 1935, Serial No. 60,294
Term of patent 7 years



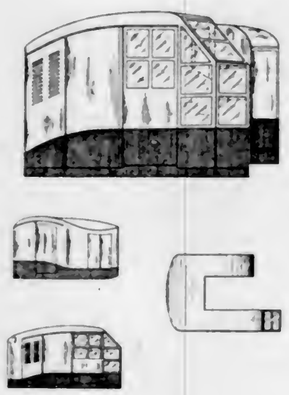
The ornamental design for a typewriting machine, as shown and described.

102,976
DESIGN FOR A VAPORIZER
Samuel Rosenblatt, Chicago, Ill.
Application December 2, 1936, Serial No. 66,268
Term of patent 7 years



The ornamental design for a vaporizer substantially as shown.

102,977
DESIGN FOR A HOISTING APPARATUS CAB
Earle F. Rueter, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application October 5, 1936, Serial No. 65,174
Term of patent 14 years



The ornamental design for a hoisting apparatus cab as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ace Fastener Corporation, Chicago, Ill. Stapling machines and staples therefor. Serial No. 369,469; Jan. 5. Class 39.

Ace Fastener Corporation, Chicago, Ill. Stapling machines, and staple lifters and staple removers. Serial No. 371,289; Jan. 5. Class 23.

Ace Fastener Corporation, Chicago, Ill. Stapling machines. Serial No. 371,290; Jan. 5. Class 23.

Advance Polishing Wheels, Inc., Chicago, Ill. Polishing wheels. Serial No. 383,046; Jan. 5. Class 4.

Alba Pharmaceutical Company, Inc., New York, N. Y. Vasoconstrictor, anti-asthmatic and antispasmodic. Serial No. 384,874; Jan. 5. Class 6.

Alexander & Baldwin, Ltd., Honolulu, Hawaii, San Francisco, Calif., Seattle, Wash., and Portland, Oreg. Canned pineapple and pineapple juice. Serial No. 379,335; Jan. 5. Class 46.

Altman, B., & Co., New York, N. Y. Baby carriages. Serial No. 384,732; Jan. 5. Class 19.

Amalgamated Lithographers of America, New York, N. Y. Periodical. Serial No. 385,468; Jan. 5. Class 38.

American Automobile Association, Incorporated, Washington, D. C. Signs, badges, medals, etc. Serial No. 382,024; Jan. 5. Class 50.

American Crayon Company, The, Sandusky, Ohio. Leads and lead dispensers for mechanical lead pencils and pipers. Serial No. 373,349; Jan. 5. Class 37.

American Merchandise Co. Inc., New York, N. Y. Needles for hand use, and thimbles. Serial No. 384,494; Jan. 5. Class 40.

American Radiator Company, New York, N. Y. Hot water range boilers, gas and oil fired storage tanks, and expansion tanks. Serial No. 384,110; Jan. 5. Class 34.

American Stores Company, Philadelphia, Pa. Tomato juice. Serial No. 382,419; Jan. 5. Class 46.

Anemostat Corporation of America, New York, N. Y. Air conditioners, air conditioning units, air distributing and ventilating registers, etc. Serial Nos. 383,153–4; Jan. 5. Class 34.

Appleton Novelty Company. (See Main, Willard F.)

Arkios, Inc., New York, N. Y. Chemical products having deodorant and cooling properties. Serial No. 385,244; Jan. 5. Class 6.

Atlantic Calsomine Co., Inc., Brooklyn, N. Y. Compound for spachtling. Serial No. 371,131; Jan. 5. Class 12.

Atlas Supply Company. (See Gane, Charles L.)

Augusta Knitting Corporation, Utica, N. Y. Underwear. Serial No. 378,607; Jan. 5. Class 39.

Avondale Mills, Birmingham, Ala. Yarns. Serial No. 384,642; Jan. 5. Class 43.

B & M Associate Chemists, Santa Barbara, Calif. Preparation for the relief of impetigo, etc. Serial No. 385,246; Jan. 5. Class 6.

Barrett Company, The, New York, N. Y. Resinous material. Serial No. 384,918; Jan. 5. Class 6.

Bennett Glass & Paint Company, Salt Lake City, Utah. Coloring material for paints. Serial No. 384,645; Jan. 5. Class 16.

Bethlehem Steel Company, Bethlehem, Pa. Coated wire fence, coated barbed wire. Serial No. 383,516; Jan. 5. Class 13.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. Serial No. 385,083; Jan. 5. Class 42.

Bliss, William, & Son, Limited, Chipping Norton, England. Piece goods. Serial No. 385,504; Jan. 5. Class 42.

Blue Rapids Milling & Elevator Co., The, Blue Rapids, Kans. Wheat flour. Serial No. 383,252; Jan. 5. Class 46.

Blumenthal, Henry S., Jackson Heights, Long Island, N. Y. Typewriter and other inked ribbons. Serial No. 384,025; Jan. 5. Class 11.

Bowne, A. D., & Co., Inc., New York, N. Y. Leather skins and leather hides. Serial No. 381,963; Jan. 5. Class 1.

Briggs Clarifier Company, Washington, D. C. Oil clarifiers. Serial No. 385,471; Jan. 5. Class 31.

British Cod Liver Oil Producers (Hull) Limited, Hull, England. Preparations of cod liver oil. Serial No. 381,525; Jan. 5. Class 6.

Brown & Lester, Inc., New York, N. Y. Men's belts and suspenders. Serial No. 385,086; Jan. 5. Class 39.

Brown Manufacturing Company, Inc., Newport News, Va. Stationary bottle openers. Serial No. 385,085; Jan. 5. Class 23.

Bruckmann Company, The, Cincinnati, Ohio. Malt beverage. Serial No. 385,279; Jan. 5. Class 48.

Butter Cream Confectionery Corp., Union City, N. J. Candy. Serial No. 384,317; Jan. 5. Class 46.

Caldwell, Helen A., doing business as Caldwell Chemical Co., Seattle, Wash. Composition used in spraying plants, etc. Serial No. 377,872; Jan. 5. Class 6.

Calvaire Incorporated, New York, N. Y. Thermometer to be used as a dress ornament. Serial No. 376,626; Jan. 5. Class 26.

Campbell, John, & Co., New York, N. Y. Dyes and dyestuffs. Serial Nos. 384,879–81; Jan. 5. Class 6.

Candy Bros. Manufacturing Company, St. Louis, Mo. Cough drops. Serial No. 384,065; Jan. 5. Class 6.

Carlin Products, Inc., New York, N. Y. Preparation for treatment of athlete's foot. Serial No. 384,883; Jan. 5. Class 6.

Casco Products Corporation, Bridgeport, Conn. Electric fans and rheostats and generator regulators. Serial No. 384,991; Jan. 5. Class 21.

Case & Co., Inc., New York, N. Y. Lace and net piece goods and embroidered piece goods or in the piece. Serial No. 384,993; Jan. 5. Class 42.

Cavendish Trading Corporation, New York, N. Y. Blankets, comfortables, sheeting, etc. Serial No. 382,037; Jan. 5. Class 42.

Cavignac, Frank H.-Associates, Glendale, Long Island, N. Y. Golf balls, golf clubs, and golf bags. Serial No. 385,558; Jan. 5. Class 22.

Cavignac, Frank H.-Associates, Glendale, Long Island, N. Y. Golf balls. Serial No. 385,560; Jan. 5. Class 22.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 385,624; Jan. 5. Class 42.

Charles & Co., New York, N. Y. Wines. Serial No. 384,407; Jan. 5. Class 47.

Chauss, Moe A., Minneapolis, Minn. Men's spats, mufflers, cravats, and suspenders. Serial No. 383,468; Jan. 5. Class 39.

Coelln, Ott, doing business as Ott Coelln Associates, Chicago, Ill. Periodical. Serial No. 383,676; Jan. 5. Class 38.

Collyer, Bert E., Chicago, Ill. Column, section or department of a periodical. Serial No. 384,372; Jan. 5. Class 38.

Collyer's Publishing Company, Chicago, Ill. Periodical. Serial No. 384,284; Jan. 5. Class 38.

Compania De Productos Marinos, S. A., Ensenada, Mexico. Canned fish. Serial No. 381,402; Jan. 5. Class 46.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo. Prepared paint, varnish stain, paint enamel, etc. Serial No. 383,914; Jan. 5. Class 16.

Corn Products Refining Company, New York, N. Y. Starch for manufacturing purposes. Serial No. 385,177; Jan. 5. Class 6.

Defender Photo Supply Company, Inc., Rochester, N. Y. Photographic print paper. Serial No. 371,808; Jan. 5. Class 26.

Dietrich, William S., doing business as Pokadot Chemical Company, Greenville, Pa. Furniture polish and cleaner. Serial No. 385,217; Jan. 5. Class 16.

Dongan Electric Manufacturing Company, Detroit, Mich. Electrical transformers. Serial No. 384,518; Jan. 5. Class 21.

Donner, Joseph, doing business as Sweepstakes Pharmacal Company, Chicago, Ill. Cold cream. Serial No. 384,922; Jan. 5. Class 6.

Draile Skin and Scalp Clinic. (See Ginsburg, Leo.)

Drake Laboratories. (See Sun Ray Drug Co.)

Drewry's Limited U. S. A., Inc., South Bend, Ind. Beer and ale. Serial No. 385,511; Jan. 5. Class 48.

Drewry's Limited U. S. A., Inc., South Bend, Ind. Beer. Serial No. 385,512; Jan. 5. Class 48.

Du Barry Frock Corp., New York, N. Y. Dresses. Serial No. 384,844; Jan. 5.

Duganne, C. G., Washington, D. C. Golf game and practicing apparatus therefor. Serial No. 378,187; Jan. 5. Class 22.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, nightgowns, etc. Serial No. 385,395; Jan. 5. Class 39.

Dyersburg Cotton Products, Inc., Dyersburg, Tenn. Cotton and woolen piece goods. Serial No. 384,845; Jan. 5. Class 42.

E-Z-On Dresses Inc., New York, N. Y. Ladies' dresses. Serial No. 384,889; Jan. 5. Class 39.

Eastman Kodak Company, Rochester, N. Y. Photographic prints. Serial Nos. 385,254–5; Jan. 5. Class 38.

El Rancho Grande. (See Trynin, Ben.)

Electric Auto-Lite Company, The, Toledo, Ohio. Spark plugs. Serial No. 384,286; Jan. 5. Class 21.

Electric Auto-Lite Company, The, Toledo, Ohio. Spark plug electrodes. Serial No. 384,287; Jan. 5. Class 21.

Electric Auto-Lite Company, The, Toledo, Ohio. Spark plug insulators. Serial No. 384,288; Jan. 5. Class 21.

Enterprise & Century Undergarment Co. Inc., New York, N. Y. Ladies' slips. Serial No. 375,637; Jan. 5. Class 39.

European Wine Exporters & Growers Agencies, Inc. Wines. Serial No. 385,090; Jan. 5. Class 47.

Eve Publishing Corporation, New York, N. Y. Publication. Serial No. 377,215; Jan. 5. Class 38.

Filatex Corporation, New York, N. Y. Elastic yarn. Serial No. 385,181; Jan. 5. Class 43.
Foley and Company, Chicago, Ill. Preparation for the treatment of piles. Serial No. 385,257; Jan. 5. Class 6.
Forrest Yarn Company, Philadelphia, Pa. Yarns. Serial No. 384,208; Jan. 5. Class 43.
Forsberg Manufacturing Co., The, Bridgeport, Conn. Screw drivers, putty knives, scraping knives, etc. Serial No. 376,122; Jan. 5. Class 23.
Franklin Research Company, Philadelphia, Pa. Varnish. Serial No. 385,927; Jan. 5. Class 16.
Gane, Charles L., doing business as Atlas Supply Company, Philadelphia, Pa. Waterproof adhesives and cements. Serial No. 383,619; Jan. 5. Class 5.
General Chemical Company, New York, N. Y. Detergents. Serial No. 384,960; Jan. 5. Class 4.
General Electric Company, Schenectady, N. Y. Electrical transformers. Serial No. 374,325; Jan. 5. Class 21.
General Mills, Inc., Minneapolis, Minn. Potato chips. Serial No. 385,183; Jan. 5. Class 46.
Gilbert, William L., Clock Corporation, Winsted, Conn. Clocks. Serial No. 385,980; Jan. 5. Class 27.
Ginsburg, Leo, doing business as Dralle Skin and Scalp Clinic, Chicago, Ill. Preparation for the treatment of psoriasis. Serial No. 385,226; Jan. 5. Class 6.
Ginzkey, I., Maffersdorf, Inc., New York, N. Y. Carpets and rugs. Serial No. 385,627; Jan. 5. Class 42.
Glidden Company, The, Cleveland, Ohio. Lacquers. Serial No. 385,185; Jan. 5. Class 16.
Graffigna, John Lodi and Acampo, Calif. Fresh grapes, plums, and cherries and fresh vegetables. Serial No. 384,705; Jan. 5. Class 46.
Great Wardrobe, Ltd., The, Santa Barbara, Calif. Suits, jackets, sweaters, etc. Serial No. 384,827; Jan. 5. Class 39.
Grossman, Julius-Fred Greenberg Dress Co., New York, N. Y. Dresses. Serial No. 385,403; Jan. 5. Class 39.
Gulf Oil Corporation, Pittsburgh, Pa. Petrolatum, insect killer, fly repellent, etc. Serial No. 384,963; Jan. 5. Class 6.
Harwick, Curtis J., doing business as Standard Chemical Company, Akron, Ohio. Adhesion-preventing material for rubber-vulcanizing molds. Serial No. 383,528; Jan. 5. Class 6.
Hercules Knitting Co., Milwaukee, Wis. Knitted capes. Serial No. 384,658; Jan. 5. Class 39.
Hydraulic Equipment Company, Cleveland, Ohio. Hydraulic pumps, valves, and hydraulic operated mechanisms and fittings. Serial No. 377,393; Jan. 5. Class 23.
Industrial Oil Products Corp., Los Angeles, Calif. Oil for poultry and stock foods. Serial No. 385,227; Jan. 5. Class 6.
International Milling Company, Minneapolis, Minn. Wheat flour. Serial No. 384,797; Jan. 5. Class 46.
International Safety Razor Corp., Bloomfield, N. J. Razors and razor blades. Serial No. 385,409; Jan. 5. Class 23.
Ivey, Ernest M. F., doing business as Ivey's Laboratories, Tucson, Ariz. Medical preparation for treating sinus affections etc. Serial No. 384,662; Jan. 5. Class 6.
Jaffray, Stuart Lee, Inc., Brooklyn, N. Y. Malt preparation for bread making. Serial No. 384,467; Jan. 5. Class 46
Jenco Brothers, Inc., Paterson, N. J. Adhesive cement substances. Serial No. 385,101; Jan. 5. Class 5.
Johns-Manville Corporation, New York, N. Y. Lightweight structural panel. Serial No. 384,423; Jan. 5. Class 12.
Kaase, Richard W., Company, The, Cleveland, Ohio. Cake, pies, French pastries, etc. Serial No. 383,506; Jan. 5. Class 46.
Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Motion picture projection apparatus and/or sound reproducing apparatus employing sound films, sensitive photographic films, etc. Serial No. 378,999; Jan. 5. Class 26.
Kantro, Albert M., doing business as Kan-Tro Products Co., Los Angeles, Calif. Wine. Serial No. 385,044; Jan. 5. Class 47.
Kan-Tro Products Co. (See Kantro, Albert M.)
Kaye, John, & Son (Huddersfield) Limited, Huddersfield, England. Aprons and overalls. Serial No. 385,411; Jan. 5. Class 39.
Kaye, John, & Son (Huddersfield) Limited, Huddersfield, England. Blankets, perambulator rugs, and travelling rugs. Serial No. 385,412; Jan. 5. Class 42.
Keasbey & Mattison Company, Ambler, Pa. Asbestos boards, asbestos sheets, asbestos lumber, etc. Serial No. 385,483; Jan. 5. Class 12.
Kehoe, Jas. E., Inc., Chicago, Ill. Condensed buttermilk emulsion for animal and poultry feed. Serial No. 382,271; Jan. 5. Class 46.
Kirch-Trumbull Corporation, Alden, N. Y. Dispensing cabinets for paper toilet articles. Serial No. 384,590; Jan. 5. Class 23.
Kirkland, Frank, doing business as Kirkland Drug Co., Arcadia, La. Medicinal preparation for eczema, etc. Serial No. 371,267; Jan. 5. Class 6.
Kleinert, I. B., Rubber Company, New York, N. Y. Shower curtains. Serial No. 383,538; Jan. 5. Class 13.
Kleinert, I. B., Rubber Company, New York, N. Y. Step-in undergarments. Serial No. 384,710; Jan. 5. Class 39.
Kotzen, Irving, Inc., New York, N. Y. Ladies' blouses, dresses, coats, etc. Serial No. 376,434; Jan. 5. Class 39.
Langenieux, Jean M., New York, N. Y. Ribbons. Serial No. 385,589; Jan. 5. Class 42.
Loesser, Ernest W., Newark, N. J. Pressure thermostatically or water level controlled apparatus. Serial No. 382,876; Jan. 5. Class 26.
Los Angeles Soap Co., Los Angeles, Calif. Toilet soap. Serial No. 385,047; Jan. 5. Class 4.
Louis Watch Co. Inc., New York, N. Y. Wrist watches, pocket watches, lapel watches, etc. Serial No. 377,055; Jan. 5. Class 27.
Louisville Wall Paper Co. Inc., Louisville, Ky. Wall paper wheat paste. Serial No. 385,145; Jan. 5. Class 5.
Main, Willard F., doing business as Appleton Novelty Company, Cedar Rapids, Iowa. Vending machines. Serial No. 385,362; Jan. 5. Class 23.
Maison Blanche Company, New Orleans, La. Boys' suits and overcoats. Serial No. 384,944; Jan. 5. Class 39.
Manifold Supplies Company, Brooklyn, N. Y. Carbon papers. Serial No. 385,264; Jan. 5. Class 11.
Manufacturers News Bureau, Inc., Washington, D. C. Weekly news letter for manufacturers. Serial No. 385,051; Jan. 5. Class 38.
Marder, B. L., Co., Chicago, Ill. Metal taps for tap dancing shoes. Serial No. 385,146; Jan. 5. Class 13.
Marder, B. L., Co., Chicago, Ill. Metal taps for tap dancing shoes. Serial No. 385,191; Jan. 5. Class 13.
Maritime Milling Co. Inc., Buffalo, N. Y. Dog food. Serial No. 385,103; Jan. 5. Class 46.
May Oil Burner Corporation, Baltimore, Md. Oil burners, oil filters for oil burners, blowers for oil burners, etc. Serial No. 384,426; Jan. 5. Class 34.
Michel, Maksik & Feldman, Inc., New York, N. Y. Ladies' handbags. Serial No. 384,093; Jan. 5. Class 3.
Midway Chemical Co., Chicago, Ill. Chemical products. Serial No. 373,883; Jan. 5. Class 6.
Midway Chemical Co., Chicago, Ill. Machine oil for lubricating purposes and penetrating oil. Serial No. 381,231; Jan. 5. Class 15.
Milwaukee Metal Spinning Co. (See Salow, Klementine.)
Missouri Mill & Elevator Co. (See Washburn Crosby Company.)
Monarch Manufacturing Company, Atlanta, Ga. Ginger ale and sirup and extract for making the same, etc. Serial No. 385,486; Jan. 5. Class 45.
Monarch Manufacturing Company, Atlanta, Ga. Cola beverage and sirup and extract for making the same, etc. Serial No. 385,487; Jan. 5. Class 45.
Montgomery Ward & Co., Incorporated, Chicago, Ill. Electric light and power plants and parts thereof. Serial No. 384,428; Jan. 5. Class 21.
Morrow, William, & Company, Inc., New York, N. Y. Series of books published from time to time. Serial No. 383,270; Jan. 5. Class 38.
Mortimer, Frank H., trustee in bankruptcy for Standard Brewing Company, Inc., New Orleans, La. Beer. Serial No. 385,230; Jan. 5. Class 48.
Mountain Crest Creameries Corp., New York, N. Y. Butter. Serial No. 384,548; Jan. 5. Class 46.
National Association of Sales Finance Companies, Chicago, Ill. Printed matter used in the business of installment selling and installment financing. Serial No. 377,591; Jan. 5. Class 37.
National Milling & Chemical Company, Philadelphia, Pa. Laundry compound comprising soap and alkalies. Serial No. 384,903; Jan. 5. Class 4.
National Sugar Refining Company of New Jersey, The, Jersey City, N. J., and New York, N. Y. Sugar. Serial No. 384,472; Jan. 5. Class 46.
Naxon Utilities Corporation, Chicago, Ill. Electrical variable resistors and fixed resistors, radio receiving sets, electrical inductances, etc. Serial No. 379,624; Jan. 5. Class 21.
Nestle-LeMur Company, The, New York, N. Y. Hair waving pads or tamplettes. Serial No. 385,196; Jan. 5. Class 44.
New England Retail Grain Dealers Co-Operative Association, Springfield, Mass. Foods for poultry and livestock. Serial No. 382,925; Jan. 5. Class 46.
New York Wire Cloth Company, New York, N. Y. Wire screen cloth. Serial No. 384,067; Jan. 5. Class 13.
Northwestern Yeast Company, Chicago, Ill. Yeast. Serial No. 384,713; Jan. 5. Class 46.
Pacific Mills, Boston, Mass. Cotton piece goods. Serial No. 385,148; Jan. 5. Class 42.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton piece goods. Serial No. 385,536; Jan. 5. Class 42.
Pokadot Chemical Company: (See Dietrich, William S.)
Popular Mechanics Company, Chicago, Ill. Periodical. Serial No. 385,062; Jan. 5. Class 38.

Prairie-Schooner Trailer Company, Elkhart, Ind. Trailers. Serial No. 382,175; Jan. 5. Class 19.
Pratt Corporation, Coldwater, Mich. Coasting sleds. Serial No. 380,843; Jan. 5. Class 22.
Prince Matchabelli Perfumery, Inc., New York, N. Y. Perfumes and bath oils. Serial No. 385,153; Jan. 5. Class 6.
Randall, Edwin A., Atlanta, Ga. Beverages and syrups, extracts, and flavors used in making the same. Serial No. 384,298; Jan. 5. Class 45.
Reid, Murdoch & Co., Chicago, Ill. Canned meat compound. Serial No. 370,361; Jan. 5. Class 46.
Rentor Manufacturing Co. (See Rotner, Irving.)
Rice & Townsend, Los Angeles, Calif. Aperitif waffle wafers. Serial No. 385,063; Jan. 5. Class 46.
Rich's, Inc., Atlanta, Ga. Silk, woolen and cotton piece goods. Serial No. 378,373; Jan. 5. Class 42.
Rilling-Arnad Co., Minneapolis, Minn. Thiophated shampoo. Serial No. 385,064; Jan. 5. Class 6.
Robinson-Haigh Textile Corp., New York, N. Y. Pile fabrics in the piece. Serial No. 384,557; Jan. 5. Class 42.
Rotner, Irving, doing business as Rentor Manufacturing Co., New York, N. Y. Sanitary headrest covers for dental chairs. Serial No. 382,890; Jan. 5. Class 44.
Salow, Klementine, doing business as Milwaukee Metal Spinning Co., Milwaukee, Wis. Spun metal coffee percolator covers. Serial No. 371,080; Jan. 5. Class 13.
Sandusky Wineries, Inc., Sandusky, Ohio. Wines. Serial No. 384,559; Jan. 5. Class 47.
Santa Ana Packing Co. (See Treesweet Products Co.)
Schiaparelli, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 384,834; Jan. 5. Class 6.
Searle, G. D., & Co., Chicago, Ill. Medicinal tablets. Serial No. 384,935; Jan. 5. Class 6.
Sessions Company, Inc., Enterprise, Ala. Cane syrup. Serial No. 383,490; Jan. 5. Class 46.
Shear Coffee Company of Texas, The, Waco, Tex. Coffee. Serial No. 382,605; Jan. 5. Class 46.
Shell Petroleum Corporation, St. Louis, Mo. Naphtha. Serial Nos. 384,566–7; Jan. 5. Class 15.
Siboney Distilling Corporation, Philadelphia, Pa. Rum. Serial No. 385,428; Jan. 5. Class 49.
Simplex Paper Corporation, Adrian, Mich. Fiber boards. Serial No. 385,155; Jan. 5. Class 12.
Smith Oil & Refining Company, Rockford, Ill. Oils and greases. Serial No. 384,141; Jan. 5. Class 15.
Smith Separator Corporation, Tulsa, Okla. Transferring and measuring apparatus. Serial No. 383,452; Jan. 5. Class 26.
Specialty Guild, The, Convent, N. J. Powdered composition to prevent rugs from slipping. Serial No. 385,268; Jan. 5. Class 5.
Stamper, F. M. Company, Moberly, Mo. Eggs, butter, and poultry and stock feeds. Serial No. 378,530; Jan. 5. Class 46.
Standard Brewing Company, Inc. (See Mortimer, Frank H.)
Standard Chemical Company. (See Harwick, Curtis J.)
Standard Novelty Works, Duncannon, Pa. Coaster sleds. Serial No. 385,011; Jan. 5. Class 22.
Stearns, Frederick, & Company, Detroit, Mich. Preparation for the chillproofing of beer or ale. Serial No. 385,311; Jan. 5. Class 48.
Street & Smith Publications, Inc., New York, N. Y. Periodical. Serial No. 384,909; Jan. 5. Class 38.
Street & Smith Publications, Inc., New York, N. Y. Periodical. Serial No. 385,125; Jan. 5. Class 38.
Street & Smith Publications, Inc., New York, N. Y. Periodical. Serial No. 385,548; Jan. 5. Class 38.
Sun Tube Corporation, The, Hillside, N. J. Collapsible metal containers. Serial No. 378,764; Jan. 5. Class 2.
Sun Ray Drug Co., doing business as Drake Laboratories, Philadelphia, Pa. Liniment. Serial No. 383,656; Jan. 5. Class 6.
Sunset Oil Company, Los Angeles, Calif. Gasoline. Serial No. 384,983; Jan. 5. Class 15.
Superb Glove Company, The, Johnstown, N. Y. Gloves. Serial No. 367,977; Jan. 5. Class 39.
Superior Products, Inc., Chicago, Ill. Sales promotion punchboard. Serial No. 384,017; Jan. 5. Class 22.
Sweepstakes Pharmacal Company. (See Donner, Joseph.)
Tele-Radio Corporation, Newark, N. J. (Rectifier) battery charger bulbs. Serial No. 383,039; Jan. 5. Class 21.
Therapy, Ltd., Pasadena, Calif. Condensed pure culture of bacillus acidophilus in soy bean milk. Serial No. 385,074; Jan. 5. Class 6.
Thrift Service Stations, Inc., Kingston, Pa. Gasoline, motor lubricating oils and lubricating greases. Serial No. 384,824; Jan. 5. Class 15.
Tober-Saifer Shoe Company, St. Louis, Mo. Shoes. Serial No. 382,402; Jan. 5. Class 39.
Toy Tinkers, Inc., The, Evanston, Ill. Colored silica sand. Serial No. 385,866; Jan. 5. Class 22.
Traer, Will M., Jacksonville, Fla. Periodical publication. Serial No. 382,365; Jan. 5. Class 38.
Treesweet Products Co., doing business as Santa Ana Packing Co., Santa Ana, Calif. Orange base and diluted lemon juice for beverage purposes. Serial No. 384,604; Jan. 5. Class 45.
Tremco Manufacturing Company, The, Cleveland, Ohio. Paint enamels. Serial No. 385,161; Jan. 5. Class 16.
Triangle Electric Co., Chicago, Ill. Automotive supplies and parts. Serial No. 380,808; Jan. 5. Class 19.
Tru-Test Brokerage Corporation, Chicago, Ill. Glass tumblers. Serial No. 384,572; Jan. 5. Class 33.
Trynin, Ben, doing business as El Rancho Grande, Los Angeles and Flintridge, Pasadena, Calif. Dates. Serial No. 385,013; Jan. 5. Class 46.
Tryon, Edw. K., Company, Philadelphia, Pa. Fishing rods. Serial No. 384,305; Jan. 5. Class 22.
Typograph Gesellschaft mit beschränkter Haftung, Berlin, Germany. Matrix setting and line casting machines and parts or accessories therefor. Serial No. 373,937; Jan. 5. Class 23.
Ulrici Medicine Company, Inc., The, New York, N. Y. Medicinal preparation. Serial No. 383,666; Jan. 5. Class 6.
Union Oil Company of California, Los Angeles, Calif. Automobile polish. Serial No. 365,398; Jan. 5. Class 16.
United Paper Company, Inc., Richmond, Va. Paper products. Serial No. 383,412; Jan. 5. Class 37.
United States Gypsum Company, Chicago, Ill. Asphalt roofing. Serial No. 385,014; Jan. 5. Class 12.
United States Gypsum Company, Chicago, Ill. Asphalt roof cement, asphalt roof coating, and asbestos fiber coating. Serial No. 385,017; Jan. 5. Class 12.
Vanadium Corporation of America, Bridgeville, Pa. Alloys. Serial No. 385,271; Jan. 5. Class 14.
Victor Manufacturing & Gasket Co., Chicago, Ill. Coating for gaskets. Serial No. 381,592; Jan. 5. Class 35.
Vietmeyer Bros. Co., Jersey City, N. J. Bread. Serial No. 384,104; Jan. 5. Class 46.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Maltless soft drinks. Serial No. 385,116; Jan. 5. Class 45.
Warren-Teed Products Co., The, Columbus, Ohio. Antiseptic powder. Serial No. 385,077; Jan. 5. Class 6.
Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. Serial No. 379,934–5; Jan. 5. Class 46.
West Coast Kalsomine Company, West Berkeley, Calif. Casein paint paste and casein paint powder. Serial No. 385,815; Jan. 5. Class 16.
Wilbur & Williams Company, The, Boston, Mass. Oil paste paint. Serial No. 383,279; Jan. 5. Class 16.
Williams, E. H., New York, N. Y. Liquid preparation for coughs, etc. Serial No. 384,638; Jan. 5. Class 6.
Williams, Irving, doing business as Irving Williams Co., Salinas, Calif. Fresh vegetables. Serial No. 384,278; Jan. 5. Class 46.
Wimpy Grills, Inc., Chicago, Ill. Sandwiches. Serial No. 379,326; Jan. 5. Class 46.
Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic agent for streptococcic and staphylococcic infections. Serial Nos. 385,020–1; Jan. 5. Class 6.
Wolff, Henry, Company, San Francisco, Calif. Radio receiving sets and parts thereof. Serial No. 384,279; Jan. 5. Class 21.
Ziff-Davis Publishing Company, Chicago, Ill. Periodical publications. Serial No. 384,833; Jan. 5. Class 38.
Zurbach, L. E., Steel Co., Cambridge, Mass. Sheet steel. Serial No. 378,288; Jan. 5. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

Aktiebolaget Pump-Separator, Stockholm, Sweden. Cream separators. 342,111; Jan. 5; Serial No. 380,607; published Oct. 27, 1936. Class 23.
Albany Packing Co., Inc., Albany, N. Y. Pork, sausage products, butter, etc. 342,072; Jan. 5; Serial No. 357,848; published July 23, 1935. Class 46.
Alexander & Baldwin, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned pineapple. 342,075; Jan. 5; Serial No. 367,983; published Jan. 28, 1936. Class 46.
American Automobile Association, Incorporated, Washington, D. C. Printed maps, pamphlets, books, etc. 342,144; Jan. 5; Serial No. 382,028; published Oct. 27, 1936. Class 38.
American Automobile Association, Incorporated, Washington, D. C. Electrical advertising signs. 342,145; Jan. 5; Serial No. 382,029; published Oct. 27, 1936. Class 21.

American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods and rayon piece goods. 342,080; Jan. 5; Serial No. 374,609; published Apr. 21, 1936. Class 42.

American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods and rayon piece goods. 342,081; Jan. 5; Serial No. 374,610; published Apr. 28, 1936. Class 42.

American Optical Company, Southbridge, Mass. Instruments for testing eyes. 342,116; Jan. 5; Serial No. 381,057; published Oct. 27, 1936. Class 26.

American Sugar Company, Ltd., Honolulu, and county of Maui, Territory of Hawaii. Beeswax. 115,429; renewed Feb. 13, 1937.

American Toy Works. (See Wein, Adolph.)

American Transformer Company, Newark, N. J. Voltage regulators, transformer type. 342,129; Jan. 5; Serial No. 381,650; published Oct. 27, 1936. Class 21.

Armstrong Cork Products Company, Lancaster, Pa. Composition printing plates. 342,180; Jan. 5; Serial No. 382,855; published Oct. 27, 1936. Class 50.

"Ars Liturgica" Spengler & Co., Maria Laach, Germany. Catalogues. 342,087; Jan. 5; Serial No. 376,657; published Oct. 27, 1936. Class 38.

Atlantic Drier & Varnish Co., assignor, by mesne assignments, to Monad Paint & Varnish Company, Philadelphia, Pa. Paints and painters' materials. 116,574–5; renewed May 15, 1937.

Autoyre Company, The, Oakville, Conn. Snap-fasteners. 115,721–2; renewed Mar. 6, 1937.

Barry, Robert I., New York, N. Y. Philatelic stationery. 342,097; Jan. 5; Serial No. 378,775; published Oct. 27, 1936. Class 37.

Bianchini Ferier, Inc., New York, N. Y. Piece goods. 342,186; Jan. 5; Serial No. 382,939; published Oct. 27, 1936. Class 42.

Block Jones Photo Co., Inc., Boston, Mass. Enlarged photographic pictures. 342,196; Jan. 5. Class 38.

Blount Lumber Co., The, Lacona, N. Y. Composition roofing. 116,032; renewed Apr. 3, 1937.

Bondall Company, The, St. Louis, Mo. Brake linings and brake blocks. 342,077; Jan. 5; Serial No. 372,955; published Oct. 27, 1936. Class 35.

Borg-Warner Corporation, Chicago, Ill. Bicycles. 342,089; Jan. 5; Serial No. 377,493; published Oct. 27, 1936. Class 19.

Boyle Leather Goods Co., Inc., New York, N. Y. Handbags, pocketbooks, portfolios, etc. 342,193; Jan. 5. Class 3.

Bradley & Vrooman Company, Chicago, Ill. Liquid finishing material. 342,130; Jan. 5; Serial No. 381,658; published Oct. 27, 1936. Class 16.

Bradley & Vrooman Company, Chicago, Ill. Synthetic liquid liner. 342,131; Jan. 5; Serial No. 381,659; published Oct. 27, 1936. Class 16.

Brightman Leather Co., Inc., Brooklyn, N. Y. Leather. 342,205; Jan. 5. Class 1.

Brown, J. S., Mercantile Co., The, Denver, Colo. Foods. 115,936; renewed Mar. 27, 1937.

Buffalo Nut Shops, Inc., Buffalo, N. Y. Peanut butter. 342,124; Jan. 5; Serial No. 381,471; published Oct. 27, 1936. Class 46.

Cable Raincoat Company. (See Carr, F. S., Company, assignor.)

Capital City Dairy Co., by change of name to The Capital City Products Company, Columbus, Ohio. Oleomargarin. 116,590; renewed May 15, 1937.

Carbo Hydrogen Co. of America, assignor, by mesne assignments, to Carbo-Oxygen Company, Inc., Pittsburgh, Pa. Gaseous fuel compound. 114,938; renewed Jan. 16, 1937.

Carbo-Hydrogen Company of America, assignor, by mesne assignments, to Carbo-Oxygen Company, Inc., Pittsburgh, Pa. Certain instruments and parts thereof used for cutting and welding purposes. 115,487; renewed Feb. 20, 1937.

Carr, F. S., Company, assignor, by mesne assignments, to Cable Raincoat Company, Boston, Mass. Waterproof automobile and carriage fabrics. 114,942; renewed Jan. 16, 1937.

Cinaudagraph Corporation, Stamford, Conn. Loud speakers. 342,175; Jan. 5; Serial No. 382,787; published Oct. 27, 1936. Class 21.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 342,193; Jan. 5. Class 49.

Co-operative Mfg. Co., San Francisco, Calif. Grain and feed bags. 342,108; Jan. 5; Serial No. 380,388; published Oct. 27, 1936. Class 2.

Cottage Creamery Company, The, Cleveland, Ohio. Mayonnaise, salad dressing, French dressing, etc. 342,149; Jan. 5; Serial No. 382,204; published Oct. 27, 1936. Class 46.

Crane Co., Chicago, Ill. Valves, faucets, and water closets. 342,099; Jan. 5; Serial No. 379,084; published Oct. 27, 1936. Class 13.

Crest Foods, Inc., Detroit, Mich. Bird seed and bird foods. 342,094; Jan. 5; Serial No. 378,555; published Oct. 27, 1936. Class 46.

Crown Cork & Seal Company, Inc. (See International Cork Company, assignor.)

Defender Mfg. Company, Inc., New York, N. Y. Linens, sheets, drapes, etc. 342,191; Jan. 5; Serial No. 383,008; published Oct. 27, 1936. Class 42.

Diesel Publications, Inc., New York, N. Y. Periodicals. 342,165; Jan. 5; Serial No. 382,550; published Oct. 27, 1936. Class 38.

Dietrich, Pierce A., Philadelphia, Pa. Medicines and pharmaceutical preparations. 116,680; renewed May 15, 1937.

Disston, Henry, & Sons, Incorporated, Tacony, Pa. Files. 342,113; Jan. 5; Serial No. 380,863; published Oct. 27, 1936. Class 23.

Driver Harris Wire Company, by change of name to Driver-Harris Company, Harrison, N. J. Wire and metallic strips. 115,496; renewed Feb. 20, 1937.

Dunlap, James W., Birmingham, Ala. Doughnuts. 342,156; Jan. 5; Serial No. 382,383; published Oct. 27, 1936. Class 46.

Eastman Kodak Co., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Cameras. 116,130; renewed Apr. 10, 1937.

Elliott, L. B., Products Company, Chicago, Ill. Coin-controlled amusement apparatus. 342,202; Jan. 5. Class 22.

El Pomar Investment Company. (See Manitou Mineral Water Company, The, assignor.)

Enterprise Manufacturing Company, The, Akron, Ohio. Hooks, snelled hooks, flies, and leaders. 342,086; Jan. 5; Serial No. 376,466; published Oct. 27, 1936. Class 22.

Etel Rope Clamp Co. (See Loos, Reinhold.)

Exhibit Supply Company, Chicago, Ill. Amusement apparatus. 342,168; Jan. 5; Serial No. 382,715; published Oct. 27, 1936. Class 22.

Exhibit Supply Company, Chicago, Ill. Amusement apparatus. 342,187; Jan. 5; Serial No. 382,948; published Oct. 27, 1936. Class 22.

Fargo, Stephen, Cleveland, Ohio. Preparation for the treatment of certain named diseases. 116,510; renewed May 8, 1937.

Farkas Bros. Inc., Chicago, Ill. Illustrating books, catalogs, and advertising displays. 342,090; Jan. 5; Serial No. 377,844; published Oct. 27, 1936. Class 38.

Fibreware Corporation, Franklin, Ohio. Pies. 342,105; Jan. 5; Serial No. 380,047; published Oct. 27, 1936. Class 46.

Folmer Graflex Corporation, The. (See Eastman Kodak Co., assignor.)

Foose, Alphonse P., to Charles L. Moorman, doing business as Globe Drug Company, Dayton, Ohio, successor. Remedy for muscular rheumatism. 116,513; renewed May 8, 1937.

Furlager Manufacturing Co., Inc., New York, N. Y. Powder puffs. 342,071; Jan. 5; Serial No. 356,835; published Oct. 27, 1936. Class 29.

General Eclipse Co., The, Danielson, Conn. Ink in tablet form. 113,578; renewed Oct. 24, 1936.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 342,083; Jan. 5; Serial No. 375,640; published Oct. 27, 1936. Class 35.

Globe Bottling Co. (See Kanner, Abe.)

Globe Drug Company. (See Foose, Alphonse P.)

Gold Buckle Association, East Highlands, Calif. Canned citrus juices for food purposes. 342,163; Jan. 5; Serial No. 382,511; published Oct. 27, 1936. Class 46.

Gold Star Oil Burner Mfg. Co. Inc., Yonkers, N. Y. Oil burners for furnaces. 342,070; Jan. 5; Serial No. 377,388; published Oct. 27, 1936. Class 34.

Goodrich, B. F., Company, The, New York, N. Y. Rubber vehicle tires. 342,188; Jan. 5; Serial No. 382,951; published Oct. 27, 1936. Class 35.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. 342,110; Jan. 5; Serial No. 380,508; published Oct. 27, 1936. Class 35.

Gordon, Edgar, doing business as The Spanish-American Shopping News Publishing Co., Los Angeles, Calif. Newspaper. 342,157; Jan. 5; Serial No. 382,427; published Oct. 27, 1936. Class 38.

Haugsten, Harry G., Portland, Oreg. Periodicals. 342,098; Jan. 5; Serial No. 378,831; published Oct. 27, 1936. Class 38.

Higgie, Will K., Chicago, Ill. Newspaper feature. 342,076; Jan. 5; Serial No. 370,855; published Oct. 27, 1936. Class 38.

Holo-Krome Screw Corporation, The, Bristol, Conn. Screws. 342,115; Jan. 5; Serial No. 380,949; published Oct. 27, 1936. Class 13.

Hood Rubber Company, Inc., Wilmington, Del., and Watertown, Mass. Sheet material comprising rubber and fiber. 342,141; Jan. 5; Serial No. 382,558; published Oct. 27, 1936. Class 50.

Hunt, Wayne, doing business as Wayne Hunt Co., Minneapolis, Minn. Ammunition. 342,078; Jan. 5; Serial No. 374,189; published Oct. 27, 1936. Class 9.

Illinois Producers' Creameries, Chicago, Ill. Butter and eggs. 342,106; Jan. 5; Serial No. 380,279; published Oct. 20, 1936. Class 46.

International Cork Company, Brooklyn, N. Y., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Stoppers and closures. 116,140; renewed Apr. 10, 1937.

Interstate Rice Sales Co., Inc., Crowley, La. Rice. 342,206; Jan. 5. Class 46.

Italian Groceries Corporation, New York, N. Y. Canned tomatoes. 342,093; Jan. 5; Serial No. 378,401; published Oct. 20, 1936. Class 46.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Blowers and fans. 342,150; Jan. 5; Serial No. 382,224; published Oct. 27, 1936. Class 34.

Kanner, Abe, doing business as Globe Bottling Co., Los Angeles, Calif. Ale. 342,153; Jan. 5; Serial No. 382,313; published Oct. 27, 1936. Class 48.

Kanner, Abe, doing business as Globe Bottling Co., Los Angeles, Calif. Beer. 342,154; Jan. 5; Serial No. 382,314; published Oct. 27, 1936. Class 48.

Kasten, Alfred W., New York, N. Y. Cartoons and comic strips. 342,100; Jan. 5; Serial No. 379,194; published Oct. 27, 1936. Class 38.

Keenlyte Battery Corporation, Denver, Colo. Aerial insulators and radiopanels, air circuit breakers, switches, etc. 342,138; Jan. 5; Serial No. 381,910; published Oct. 27, 1936. Class 21.

Kennedy & Co., Inc., Boston, Mass. Eggs. 342,117; Jan. 5; Serial No. 381,107; published Oct. 27, 1936. Class 46.

Kimball, Leland H., Salt Lake City, Utah. Core binder and foundry sand binder. 342,085; Jan. 5; Serial No. 376,284; published Oct. 27, 1936. Class 5.

Kraft-Phenix Cheese Corporation, Chicago, Ill. Cheese. 342,074; Jan. 5; Serial No. 367,763; published Oct. 27, 1936. Class 46.

Lebensburger, Myron M., doing business as Quotes Publishing Company, Chicago, Ill. Periodical publication. 342,095; Jan. 5; Serial No. 378,572; published Oct. 27, 1936. Class 38.

Leupold, Volpel & Company, Portland, Oreg. Engineering instruments. 342,091; Jan. 5; Serial No. 377,924; published Oct. 27, 1936. Class 26.

Levy, Louis, Grocer Co., Ltd., Baton Rouge, La. Wheat-flour. 116,655; renewed May 15, 1937.

Light Photo Service Inc., New York, N. Y. Photographic contact printing paper. 342,197; Jan. 5. Class 36.

Loos, Reinhold, doing business as Etel Rope Clamp Co., Newark, N. J. Rope clamps. 342,125; Jan. 5; Serial No. 381,533; published Oct. 27, 1936. Class 13.

Maddock Pottery Company, to Scammell China Company, Trenton, N. J., successor. Chinaware. 114,790; renewed Jan. 2, 1937.

Manchuria Soyabean Industry Corp., The, Dairen, Manchuria. Soyabean flour, flakes, and meal. 342,102; Jan. 5; Serial No. 379,652; published Oct. 27, 1936. Class 46.

Manitou Mineral Water Company, The, Manitou, assignor to El Pomar Investment Company, Colorado Springs, Colo. Still water, charged or sparkling table-water, and ginger-champagne. 114,100; renewed Nov. 28, 1936.

Manitou Mineral Water Company, The, Manitou, assignor to El Pomar Investment Company, Colorado Springs, Colo. Non-alcoholic beverage. 114,101; renewed Nov. 28, 1936.

Manitou Mineral Water Company, The, Manitou, assignor to El Pomar Investment Company, Colorado Springs, Colo. Ginger-champagne. 114,102; renewed Nov. 28, 1936.

Marveon Displays, Inc., Rock Springs, Wyo. Electrical display signs. 342,177; Jan. 5; Serial No. 382,837; published Oct. 27, 1936. Class 21.

Maryland Wine & Liquor Co., doing business as Maryland Liquor Co., Chicago, Ill. Brandy. 342,204; Jan. 5. Class 49.

Mason Regulator Company, by change of name to Mason-Neilan Regulator Company, Boston, Mass. Steam regulating devices, pumps, engines, etc. 115,002; renewed Jan. 16, 1937.

McCallum & Robinson, Inc., Memphis, Tenn. Rugs and mats of yarn. 342,134; Jan. 5; Serial No. 381,848; published Oct. 27, 1936. Class 42.

McManness Milling & Grain Co., Findlay, Ohio. Wheat-flour. 113,997; renewed Nov. 14, 1936.

Meyrowitz, E. B., Inc., New York, N. Y. Eye-glasses for sporting purposes. 342,184; Jan. 5; Serial No. 382,923; published Oct. 27, 1936. Class 26.

Micromatic Hone Corporation, Detroit, Mich. Hone for grinding cylinder walls. 342,189; Jan. 5; Serial No. 382,988; published Oct. 27, 1936. Class 23.

Micromatic Hone Corporation, Detroit, Mich. Hone for grinding cylinder walls. 342,190; Jan. 5; Serial No. 382,990; published Oct. 27, 1936. Class 23.

Mohawk Equipment Corporation, Chicago, Ill. Power lawn mowers. 342,176; Jan. 5; Serial No. 382,802; published Oct. 27, 1936. Class 23.

Monad Paint & Varnish Company. (See Atlantic Drier & Varnish Co., assignor.)

Moorman, Charles L. (See Foose, Alphonse P.)

Muller, M. A., doing business as Puritan Vintage Products Co., San Francisco, Calif. Alcoholic cocktails. 342,173; Jan. 5; Serial No. 382,761; published Oct. 27, 1936. Class 49.

My Jon's, Inc., New York, N. Y. Chocolate frosting. 342,152; Jan. 5; Serial No. 382,273; published Oct. 20, 1936. Class 46.

Nalley's, Inc., Tacoma, Wash. Dressing or condiment for salads, fish, oysters, etc. 342,207; Jan. 5. Class 46.

National Biscuit Company, New York, N. Y. Biscuit. 342,073; Jan. 5; Serial No. 358,561; published Apr. 2, 1935. Class 46.

Nave-McCord Mercantile Co., St. Joseph, Mo., assignor to Western Grocer Company, Marshalltown, Iowa. Foods. 114,174; renewed Dec. 5, 1936.

New York Merchandise Co., Inc., New York, N. Y. Toothbrushes. 342,211; Jan. 5. Class 29.

Norton Company, Worcester, Mass. Abrading, grinding, and lapping machines, and attachments thereto. 342,132; Jan. 5; Serial No. 381,724; published Oct. 27, 1936. Class 23.

Norton Company, Worcester, Mass. Abrading and grinding machines and attachments thereto. 342,133; Jan. 5; Serial No. 381,725; published Oct. 27, 1936. Class 23.

Nurre Companies, Inc., The, Bloomington, Ind. Mirrors. 342,140; Jan. 5; Serial No. 381,997; published Oct. 27, 1936. Class 32.

Office Publications Company. (See Schulhof, William.)

Olive Hillside Groves, Olive, Calif. Fresh citrus fruits. 342,112; Jan. 5; Serial No. 380,657; published Sept. 29, 1936. Class 46.

Pagano Inc., New York, N. Y. Photographs. 342,147; Jan. 5; Serial No. 382,137; published Oct. 27, 1936. Class 38.

Parkrite Corporation, Houston, Tex. Parking meters. 342,103; Jan. 5; Serial No. 379,761; published Oct. 27, 1936. Class 26.

Payne, F. S., Co., Cambridge, Boston, Franklin, and Lowell, Mass.; New Haven, Conn.; and Providence, R. I. Ferrous metal plates, castings, rolls, and forgings. 342,122; Jan. 5; Serial No. 381,466; published Oct. 27, 1936. Class 14.

Perkins Products Company, Chicago, Ill. Ice cream powder. 342,151; Jan. 5; Serial No. 382,233; published Oct. 27, 1936. Class 46.

Pioneer Quality Egg Producers, Inc., Bellingham, Wash. Fresh eggs. 342,203; Jan. 5. Class 46.

Pointer Brewing Co., Clinton, Iowa. Beer. 342,109; Jan. 5; Serial No. 380,408; published Oct. 27, 1936. Class 48.

Polar Corporation, Los Angeles, Calif. Ice shaver. 342,101; Jan. 5; Serial No. 379,585; published Oct. 27, 1936. Class 23.

Prest-O-Lite Storage Battery Corporation, Speedway, Ind. Storage batteries. 342,181; Jan. 5; Serial No. 382,885; published Oct. 27, 1936. Class 21.

Prince de Chany, Inc. (See Vimay-Chany, Inc.)

Progressive Varnish Works, The, Los Angeles, Calif. Trade bulletin. 342,092; Jan. 5; Serial No. 378,001; published Oct. 27, 1936. Class 38.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth brushes. 342,182; Jan. 5; Serial No. 382,886; published Oct. 27, 1936. Class 29.

Puritan Vintage Products Co. (See Muller, M. A.)

Pyrene Manufacturing Company, Newark, N. J. Portable fire extinguishers. 342,158; Jan. 5; Serial No. 382,444; published Oct. 27, 1936. Class 23.

Quinpin Co. Inc., New York, N. Y. Brooches, ornamental buckles, hair ornaments, etc. 342,146; Jan. 5; Serial No. 382,103; published Oct. 27, 1936. Class 28.

Quotes Publishing Company. (See Lebensburger, Myron M.)

Randolph Marketing Co., Los Angeles, Calif. Fresh citrus fruits. 342,079; Jan. 5; Serial No. 374,431; published Oct. 27, 1936. Class 46.

Richman, N. J., Co., New York, N. Y. Bridge sets, table cloths, towels, etc. 342,121; Jan. 5; Serial No. 381,423; published Oct. 27, 1936. Class 42.

River Plate Dairy Company, Limited, The, Buenos Aires, Argentina. Butter, cheese, eggs, etc. 342,159–60; Jan. 5; Serial Nos. 382,446–7; published Oct. 27, 1936. Class 46.

Salactos Co., The. (See Simpson, William W.)

Salinas Land Company, Ventura, Calif. Dried beans. 342,142; Jan. 5; Serial No. 382,007; published Oct. 27, 1936. Class 46.

Samuels, T. W., Distillery, Inc., Deatsville, Ky., and Cincinnati, Ohio. Whiskey. 342,192; Jan. 5; Serial No. 383,034; published Oct. 27, 1936. Class 49.

Sanispoon Co., The, Boston, Mass., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Paper spoons. 114,828; renewed Jan. 2, 1937.

Sanitary Products Corporation of America. (See Sanispoon Co., The, assignor.)

Scammell China Company. (See Maddock Pottery Company.)

Scherer Leather Company, Cudahy, Wis. Tanned calf skins. 342,088; Jan. 5; Serial No. 377,064; published July 7, 1936. Class 1.

Scho-White Company, assignor to Scho-White Company, Louisville, Ky. Low heat baking enamel. 342,194; Jan. 5. Class 16.

Schulhof, William, doing business as Office Publications Company, New York, N. Y. Periodical publications. 342,123; Jan. 5; Serial No. 381,468; published Oct. 27, 1936. Class 38.

Seager, Evans & Co. Limited, London, England. Dry gin and orange gin. 342,096; Jan. 5; Serial No. 378,716; published Oct. 27, 1936. Class 49.

Selva & Sons, Inc., New York, N. Y. Taps for dancing shoes. 342,210; Jan. 5. Class 13.

Sherwin-Williams Co., The, Cleveland, Ohio. Medicinal linseed-oil and paranitranilin. 116,008; renewed Mar. 27, 1937.

Silver King Canning Co. Inc., Kansas City, Mo. Dog and cat food. 342,201; Jan. 5. Class 46.

Simpson, William W., doing business as The Salactos Co., Pasadena, Calif. Preparation for modifying milk. 342,164; Jan. 5; Serial No. 382,532; published Oct. 27, 1936. Class 46.
Sing Lee Company, Chicago, Ill. Canned bean sprouts, chop suey sauce, canned chop suey, etc. 342,082; Jan. 5; Serial No. 374,946; published Oct. 27, 1936. Class 46.
Singer, Gus, Denver, Colo. Whiskey. 342,209; Jan. 5. Class 49.
Southern Dairies, Inc., Washington, D. C. Ice cream. 342,162; Jan. 5; Serial No. 382,491; published Oct 27, 1936. Class 46.
Spanish-American Shopping News Publishing Co., The. (See Gordon, Edgar.)
Standard Brief Case Co., New York, N. Y. Brief cases, school bags, zipper bags, etc. 342,199; Jan. 5. Class 3.
Standex Corporation, Los Angeles, Calif. Moth-proofing water paint. 342,174; Jan. 5; Serial No. 382,776; published Oct. 27, 1936. Class 16.
Steck Company, The, Austin, Tex. Forms for accounting. 342,169; Jan. 5; Serial No. 382,729; published Oct. 27, 1936. Class 37.
Sterlick Company Inc., The, Brooklyn, N. Y. Paper napkins. 342,178; Jan. 5; Serial No. 382,844; published Oct. 27, 1936. Class 37.
Taylor Instrument Companies, Rochester, N. Y. Valves. 342,161; Jan. 5; Serial No. 382,452; published Oct. 27, 1936. Class 13.
Terrell Machine Company, The, Charlotte, N. C. Bobbins, spools, skewers, etc. 342,148; Jan. 5; Serial No. 382,182; published Oct. 27, 1936. Class 23.
Texas Cotton Ginners' Association, Inc., Dallas, Tex. Periodical. 342,120; Jan. 5; Serial No. 381,328; published Oct. 27, 1936. Class 38.
Texas Tanning & Manufacturing Company, Yoakum, Tex. Handbags for women. 342,166; Jan. 5; Serial No. 382,642; published Oct. 27, 1936. Class 3.
Time, Incorporated, New York, N. Y. Newspaper column. 342,135; Jan. 5; Serial No. 381,884; published Oct. 27, 1936. Class 38.
Trerice, Howard O., doing business as H. O. Trerice Co., Detroit, Mich. Steam traps. 342,208; Jan. 5. Class 13.
Una Welding, Inc., Cleveland, Ohio. Welding rod and wire. 342,126–8; Jan. 5; Serial No. 381,588–90; published Oct. 27, 1936. Class 14.
United States Envelope Company, Springfield, Mass. Paper cups. 342,179; Jan. 5; Serial No. 382,847; published Oct. 27, 1936. Class 2.
United States Gypsum Company, Chicago, Ill. Priming paint. 342,167; Jan. 5; Serial No. 382,681; published Oct. 27, 1936. Class 16.
Vacuum Wine and Spirits Canning Corp., Elk Grove, Calif. Canned wines. 342,143; Jan. 5; Serial No. 382,013; published Oct. 27, 1936. Class 47.
Vanio, Inc., New York, N. Y. Toy banks. 342,183; Jan. 5; Serial No. 382,896; published Oct. 27, 1936. Class 22.
Vanity Fair Silk Mills, Reading, Pa. Measuring device to determine the correct fit of hosiery. 342,136; Jan. 5; Serial No. 381,886; published Oct. 27, 1936. Class 26.
Van Norman Machine Tool Company, Springfield, Mass. Lathes and milling machines. 342,114; Jan. 5; Serial No. 380,895; published Oct. 27, 1936. Class 23.
Venice Maid Co. Inc., Vineland, N. J. Spaghetti sauce, canned tomatoes, canned string beans, etc. 342,139; Jan. 5; Serial No. 381,922; published Oct. 27, 1936. Class 46.
Vimay-Chany, Inc., doing business as Prince de Chany, Inc., assignor to Vimay Parfums, Incorporated, Culver City, Calif. Perfumes. 342,200; Jan. 5. Class 6.
Vimpep Foods, Inc., Cambridge, Md. Canned dog foods. 342,155; Jan. 5; Serial No. 382,329; published Oct. 27, 1936. Class 46.
Vita Var Corp., New York, N. Y. Paints, paint enamel, and prepared shellac. 342,084; Jan. 5; Serial No. 376,019; published Oct. 27, 1936. Class 16.
Vita Var Corporation, New York, N. Y. Paints, varnishes, paint enamels, etc. 342,198; Jan. 5. Class 16.
Volunteer Manufacturing Company, Nashville, Tenn. Wood and coal stoves, ranges, and circulators. 342,118; Jan. 5; Serial No. 381,240; published Oct. 27, 1936. Class 34.
Wabash Appliance Corp., Brooklyn, N. Y. Incandescent lamps or bulbs. 342,107; Jan. 5; Serial No. 380,321; published Oct. 27, 1936. Class 21.
Wallace, R., & Sons Manufacturing Company, Wallingford, Conn. Silver-plated flatware and cutlery. 342,137; Jan. 5; Serial No. 381,887; published Oct. 27, 1936. Class 28.
Webster, F. S., Company, Cambridge, Mass. Carbon paper. 342,119; Jan. 5; Serial No. 381,303; published Oct. 27, 1936. Class 11.
Wein, Adolph, doing business as American Toy Works, New York, N. Y. Children's toy sets. 342,104; Jan. 5; Serial No. 379,915; published Oct. 27, 1936. Class 22.
Wesco Foods Company, Cincinnati, Ohio. Whole milk powder. 342,170; Jan. 5; Serial No. 382,733; published Oct. 27, 1936. Class 46.
Wesco Foods Company, Cincinnati, Ohio. Skim milk powder. 342,171; Jan. 5; Serial No. 382,735; published Oct. 27, 1936. Class 46.
Western Grocer Company. (See Nave-McCord Mercantile Co., assignor.)
Willoughby Camera Stores, Inc., New York, N. Y. Photographic materials. 342,185; Jan. 5; Serial No. 382,936; published Oct. 27, 1936. Class 26.
Young, L. A., Company, The, Detroit, Mich. Golf balls. 342,172; Jan. 5; Serial No. 382,737; published Oct. 27, 1936. Class 22.

LIST OF REGISTRANTS OF LABELS

Balza, E. J., Company, Green Bay, Wis. Balza's Crispy. For Dill Pickles. 48,680; Jan. 5.
Borden Company, The, New York, N. Y. Borden's Butter—Fresh Every Day. For Butter. 48,681; Jan. 5.
Consolidated Oyster Co., San Francisco, Calif. Sea Garden. For Oysters. 48,682; Jan. 5.
Continental Distilling Corporation, Philadelphia, Pa. Embassy Club. For Blend of Straight Whiskies. 48,683; Jan. 5.
Continental Distilling Corporation, Philadelphia, Pa. Old Classic. For Straight Rye Whisky. 48,684; Jan. 5.
Florida Citrus Exchange, Tampa, Fla. Flor'da-Sweet. For Fresh Citrus Fruit. 48,685; Jan. 5.
Garcia, Perfecto, & Bros., Chicago, Ill., and Tampa, Fla., assignor to Perfecto Garcia & Bros., Tampa, Fla. Perfecto Garcia & Bros. For Cigars. 14,573; renewed Dec. 29, 1936.
General Baking Company, New York, N. Y. Smith's Holsum Bread. For Bread. 48,686; Jan. 5.
General Mills, Inc., Minneapolis, Minn. Wheaties. For Whole Wheat Flakes. 48,687–98; Jan. 5.
Huyler's, New York, N. Y. Huyler's Ill-Spot Ice Cream. For Ice Cream. 48,699; Jan. 5.
King Citrus Fruit Corp., Tampa, Fla. King Citrus. For Canned Grapefruit. 48,700; Jan. 5.
Los Angeles Brewing Co., Los Angeles, Calif. Eastside Dry. For Lime Rickey. 48,701; Jan. 5.
Los Angeles Brewing Co., Los Angeles, Calif. Eastside Dry. For Ginger Ale. 48,702; Jan. 5.
Los Angeles Brewing Co., Los Angeles, Calif. Eastside Dry Sparkling Water. For Lithiated Carbonated Water. 48,703; Jan. 5.
Maxcy, Gregg, Inc., Sebring, Fla. Sun Sip. For Grapefruit Juice. 48,704; Jan. 5.
Mrizek, R. J., Company, Chicago, Ill. Big Chief. For Bread. 48,705; Jan. 5.
Nasarzewski, Edward H., doing business as Standard Products Co., Chicago, Ill. Old Hutch. For Blended Whiskey. 48,706; Jan. 5.
Nasarzewski, Edward H., doing business as Standard Products Co., Chicago, Ill. Old Hutch Special. For Blended Whiskey. 48,707; Jan. 5.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Mity Fine. For Soap Flakes. 48,708; Jan. 5.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Energy. For Soap Chips. 48,709; Jan. 5.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Sani-Tex. For Hygiene Soap. 48,710; Jan. 5.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Energy. For Soap Granules. 48,711; Jan. 5.
Silverlite-Gutterman Co., doing business as Stepsoft Products Company, Boston, Mass. Stepsoft Foot Appliances for Men and Women. For Insoles. 48,712; Jan. 5.
Silverlite-Gutterman Co., doing business as Stepsoft Products Company, Boston, Mass. Stepsoft Foot Appliances for Men and Women. For Appliances Made of Sponge Rubber for Attaching in the Heels of Shoes to Prevent Slipping of Heels and Wear on Hose. 48,713; Jan. 5.
Standard Products Co. (See Nasarzewski, Edward H.)
Stepsoft Products Company. (See Silverlite-Gutterman Co.)
Yough Brewing Company, Connellsville, Pa. "Real German" Brand. For Beer. 48,714; Jan. 5.

LIST OF REGISTRANTS OF PRINTS

Bendix Products Corporation, South Bend, Ind. Like a Thief in the Night. For Carburetors. 15,991; Jan. 5.
United Woolen Company, The, Columbus, Ohio. Your Attitude of Build. For Custom-Tailored Suits and Overcoats. 15,992; Jan. 5.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. Brightman Leather Co. 342,205; Jan. 5.
Skins, Tanned calf. Scherer Leather Company. 342,088; Jan. 5; Serial No. 377,064; published July 7, 1936.

CLASS 2

Bags, Grain and feed. Co-Operative Mfg. Co. 342,108; Jan. 5; Serial No. 380,388; published Oct. 27, 1936.
Cups, Paper. United States Envelope Company. 342,179; Jan. 5; Serial No. 382,847; published Oct. 27, 1936.

CLASS 3

Cases, school bags, zipper bags, etc., Brief. Standard Brief Case Co. 342,199; Jan. 5.
Handbags for women. Texas Tanning & Manufacturing Company. 342,166; Jan. 5; Serial No. 382,642; published Oct. 27, 1936.
Handbags, pocketbooks, portfolios, etc. Boyle Leather Goods Co. 342,195; Jan. 5.

CLASS 5

Core binder and foundry sand binder. L. H. Kimball. 342,085; Jan. 5; Serial No. 376,284; published Oct. 27, 1936.

CLASS 6

Beeswax. American Sugar Company. 115,429; renewed Feb. 13, 1937.
Fuel compound, Gaseous. Carbo Hydrogen Co. of America. 114,938; renewed Jan. 16, 1937.
Linseed-oil and paranitranilin, Medicinal. Sherwin-Williams Co. 116,008; renewed Mar. 27, 1937.
Medicines and pharmaceutical preparations. P. A. Dietrich. 116,680; renewed May 15, 1937.
Perfumes. Vimay-Chany, Inc. 342,200; Jan. 5.
Preparation for the treatment of certain named diseases. S. Fargo. 116,510; renewed May 8, 1937.
Remedy for muscular rheumatism. A. P. Foose. 116,513; renewed May 8, 1937.

CLASS 9

Ammunition. W. Hunt. 342,078; Jan. 5; Serial No. 374,189; published Oct. 27, 1936.

CLASS 11

Carbon paper. F. S. Webster Company. 342,119; Jan. 5; Serial No. 381,303; published Oct. 27, 1936.
Ink in tablet form. General Eclipse Co. 113,578; renewed Oct. 24, 1936.

CLASS 12

Roofing, Composition. Blount Lumber Co. 116,032; renewed Apr. 3, 1937.

CLASS 13

Clamps, Rope. R. Loos. 342,125; Jan. 5; Serial No. 381,533; published Oct. 27, 1936.
Screws. Holo-Krome Screw Corporation. 342,115; Jan. 5; Serial No. 380,949; published Oct. 27, 1936.
Steam traps. H. O. Trerice. 342,208; Jan. 5.
Taps for dancing shoes. Selva & Sons, Inc. 342,210; Jan. 5.
Valves. Taylor Instrument Companies. 342,161; Jan. 5; Serial No. 382,452; published Oct. 27, 1936.
Valves, faucets, and water closets. Crane Co. 342,099; Jan. 5; Serial No. 379,084; published Oct. 27, 1936.

CLASS 14

Metal plates, castings, rolls, and forgings, Ferrous. F. S. Payne Co. 342,122; Jan. 5; Serial No. 381,466; published Oct. 27, 1936.
Welding rod and wire. Una Welding, Inc. 342,126–8; Jan. 5; Serial Nos. 381,588–90; published Oct. 27, 1936.
Wire and metallic strips. Driver Harris Wire Company. 115,496; renewed Feb. 20, 1937.

CLASS 16

Enamel, Low heat baking. Scho-White Company. 342,194; Jan. 5.
Finishing material, Liquid. Bradley & Vrooman Company. 342,130; Jan. 5; Serial No. 381,658; published Oct. 27, 1936.
Liner, Synthetic liquid. Bradley & Vrooman Company. 342,131; Jan. 5; Serial No. 381,659; published Oct. 27, 1936.
Paint, Moth-proofing water. Standex Corporation. 342,174; Jan. 5; Serial No. 382,776; published Oct. 27, 1936.
Paint, Priming. United States Gypsum Company. 342,167; Jan. 5; Serial No. 382,681; published Oct. 27, 1936.
Paints and painters' materials. Atlantic Drier & Varnish Co. 116,574–5; renewed May 15, 1937.
Paints, paint enamels, and prepared shellac. Vita Var Corp. 342,084; Jan. 5; Serial No. 376,019; published Oct. 27, 1936.
Paints, varnishes, paint enamels, etc. Vita Var Corporation. 342,198; Jan. 5.

CLASS 19

Bicycles. Borg-Warner Corporation. 342,089; Jan. 5; Serial No. 377,493; published Oct. 27, 1936.

CLASS 21

Batteries, Storage. Prest-O-Lite Storage Battery Corporation. 342,181; Jan. 5; Serial No. 382,885; published Oct. 27, 1936.
Insulators and radiopanels, air circuit breakers, switches, etc., Aerial. Keenlyte Battery Corporation. 342,138; Jan. 5; Serial No. 381,910; published Oct. 27, 1936.
Lamps or bulbs, Incandescent. Wabash Appliance Corp. 342,107; Jan. 5; Serial No. 380,321; published Oct. 27, 1936.
Loud speakers. Cinaudagraph Corporation. 342,175; Jan. 5; Serial No. 382,787; published Oct. 27, 1936.
Signs, Electrical advertising. American Automobile Association, Incorporated. 342,145; Jan. 5; Serial No. 382,029; published Oct. 27, 1936.
Signs, Electrical display. Marveon Displays, Inc. 342,177; Jan. 5; Serial No. 382,837; published Oct. 27, 1936.
Voltage regulators, transformer type. American transformer Company. 342,129; Jan. 5; Serial No. 381,650; published Oct. 27, 1936.

CLASS 22

Amusement apparatus. Exhibit Supply Company. 342,168; Jan. 5; Serial No. 382,715; published Oct. 27, 1936.
Amusement apparatus. Exhibit Supply Company. 342,187; Jan. 5; Serial No. 382,948; published Oct. 27, 1936.
Amusement apparatus, Coin-controlled. L. B. Elliott Products Company. 342,202; Jan. 5.
Golf balls. L. A. Young Company. 342,172; Jan. 5; Serial No. 382,737; published Oct. 27, 1936.
Hooks, snelled hooks, flies, and leaders. Enterprise Manufacturing Company. 342,086; Jan. 5; Serial No. 376,466; published Oct. 27, 1936.
Toy banks. Vanio, Inc. 342,183; Jan. 5; Serial No. 382,896; published Oct. 27, 1936.
Toy sets, Children's. A. Wein. 342,104; Jan. 5; Serial No. 379,915; published Oct. 27, 1936.

CLASS 23

Abrading and grinding machines and attachments thereto. Norton Company. 342,133; Jan. 5; Serial No. 381,725; published Oct. 27, 1936.
Abrading, grinding, and lapping machines, and attachments thereto. Norton Company. 342,132; Jan. 5; Serial No. 381,724; published Oct. 27, 1936.
Bobbins, spools, skewers, etc. Terrell Machine Company. 342,148; Jan. 5; Serial No. 382,182; published Oct. 27, 1936.
Files. Henry Disston & Sons, Incorporated. 342,113; Jan. 5; Serial No. 380,863; published Oct. 27, 1936.
Fire extinguishers, Portable. Pyrene Manufacturing Company. 342,158; Jan. 5; Serial No. 382,444; published Oct. 27, 1936.
Hone for grinding cylinder walls. Micromatic Hone Corporation. 342,189; Jan. 5; Serial No. 382,988; published Oct. 27, 1936.
Hone for grinding cylinder walls. Micromatic Hone Corporation. 342,190; Jan. 5; Serial No. 382,990; published Oct. 27, 1936.
Lathes and milling machines. Van Norman Machine Tool Company. 342,114; Jan. 5; Serial No. 380,895; published Oct. 27, 1936.
Mowers, Power lawn. Mohawk Equipment Corporation. 342,176; Jan. 5; Serial No. 382,802; published Oct. 27, 1936.
Separators, Cream. Aktiebolaget Pump-Separator. 342,111; Jan. 5; Serial No. 380,607; published Oct. 27, 1936.
Shaver, Ice. Polar Corporation. 342,101; Jan. 5; Serial No. 379,585; published Oct. 27, 1936.
Spoons, Paper. Sanispoon Co. 114,828; renewed Jan. 2, 1937.
Steam regulating devices, pumps, engines, etc. Mason Regulator Company. 115,002; renewed Jan. 16, 1937.

CLASS 26

Cameras. Eastman Kodak Co. 116,130; renewed Apr. 10, 1937.
Engineering instruments. Leupold, Volpel & Company. 342,091; Jan. 5; Serial No. 377,924; published Oct. 27, 1936.
Eye-glasses for sporting purposes. E. B. Meyrowitz, Inc. 342,184; Jan. 5; Serial No. 382,923; published Oct. 27, 1936.
Instruments for testing eyes. American Optical Company. 342,116; Jan. 5; Serial No. 381,057; published Oct. 27, 1936.

Measuring device to determine the correct fit of hosiery. Vanity Fair Silk Mills. 342,136; Jan. 5; Serial No. 381,866; published Oct. 27, 1936.
Meters, Parking. Parkrite Corporation. 342,103; Jan. 5; Serial No. 379,761; published Oct. 27, 1936.
Photographic contact printing paper. Light Photo Service Inc. 342,197; Jan. 5.
Photographic materials. Willoughby Camera Stores, Inc. 342,185; Jan. 5; Serial No. 382,936; published Oct. 27, 1936.

CLASS 28

Brooches, ornamental buckles, hair ornaments, etc. Quinpin Co. Inc. 342,146; Jan. 5; Serial No. 382,103; published Oct. 27, 1936.
Flatware and cutlery, Silverplated. R. Wallace & Sons Manufacturing Company. 342,137; Jan. 5; Serial No. 381,887; published Oct. 27, 1936.

CLASS 29

Powder puffs. Furlager Manufacturing Co. 342,071; Jan. 5; Serial No. 356,835; published Oct. 27, 1936.
Toothbrushes. New York Merchandise Co. 342,211; Jan. 5.
Tooth brushes. Pro-phy-lac-tic Brush Company. 342,182; Jan. 5; Serial No. 382,886; published Oct. 27, 1936.

CLASS 30

Chinaware. Maddock Pottery Company. 114,790; renewed Jan. 2, 1937.

CLASS 32

Mirrors. Nurre Companies. 342,140; Jan. 5; Serial No. 381,997; published Oct. 27, 1936.

CLASS 34

Blowers and fans. Jeffrey Manufacturing Company. 342,150; Jan. 5; Serial No. 382,224; published Oct. 27, 1936.
Burners for furnaces, Oil. Gold Star Oil Burner Mfg. Co. Inc. 342,070; Jan. 5; Serial No. 337,388; published Oct. 27, 1936.
Instruments and parts thereof used for cutting and welding purposes, Certain. Carbo-Hydrogen Company of America. 115,487; renewed Feb. 20, 1937.
Stoves, ranges, and circulators, Wood and coal. Volunteer Manufacturing Company. 342,118; Jan. 5; Serial No. 381,240; published Oct. 27, 1936.

CLASS 35

Linings and brake blocks, Brake. Bondall Company. 342,077; Jan. 5; Serial No. 372,955; published Oct. 27, 1936.
Tires. Goodyear Tire & Rubber Company. 342,110; Jan. 5; Serial No. 380,508; published Oct. 27, 1936.
Tires, Pneumatic. General Tire & Rubber Company. 342,083; Jan. 5; Serial No. 375,640; published Oct. 27, 1936.
Tires, Rubber vehicle. B. F. Goodrich Company. 342,188; Jan. 5; Serial No. 382,951; published Oct. 27, 1936.

CLASS 37

Forms for accounting. Steck Company. 342,169; Jan. 5; Serial No. 382,729; published Oct. 27, 1936.
Napkins, Paper. Sterilek Company. 342,178; Jan. 5; Serial No. 382,844; published Oct. 27, 1936.
Stationery, Philatelic. R. L. Barry. 342,097; Jan. 5; Serial No. 378,775; published Oct. 27, 1936.

CLASS 38

Books, catalogs, and advertising displays, Illustrating. Farkas Bros. Inc. 342,090; Jan. 5; Serial No. 377,844; published Oct. 27, 1936.
Bulletin, Trade. Progressive Varnish Works. 342,092; Jan. 5; Serial No. 378,001; published Oct. 27, 1936.
Cartoons and comic strips. A. W. Kasten. 342,100; Jan. 5; Serial No. 379,194; published Oct. 27, 1936.
Catalogues. "Ars Liturgica" Spengler & Co. 342,087; Jan. 5; Serial No. 376,657; published Oct. 27, 1936.
Column, Newspaper. Time, Incorporated. 342,135; Jan. 5; Serial No. 381,884;; published Oct. 27, 1936.
Maps, pamphlets, books, etc., Printed. American Automobile Association, Incorporated. 342,144; Jan. 5; Serial No. 382,028; published Oct. 27, 1936.
Newspaper. E. Gordon. 342,157; Jan. 5; Serial No. 382,427; published Oct. 27, 1936.
Newspaper feature. W. K. Higgie. 342,076; Jan. 5; Serial No. 370,855; published Oct. 27, 1936.
Periodical. Texas Cotton Ginners' Association, Inc. 342,120; Jan. 5; Serial No. 381,328; published Oct. 27, 1936.
Periodicals. Diesel Publications, Inc. 342,165; Jan. 5; Serial No. 382,550; published Oct. 27, 1936.
Periodicals. H. G. Hangsten. 342,098; Jan. 5; Serial No. 378,831; published Oct. 27, 1936.
Photographs. Pagano Inc. 342,147; Jan. 5; Serial No. 382,137; published Oct. 27, 1936.
Pictures, Enlarged photographic. Block Jones Photo Co. 342,196; Jan. 5.
Publication, Periodical. M. M. Lebensburger. 342,095; Jan. 5; Serial No. 378,572; published Oct. 27, 1936.
Publications, Periodical. W. Schulhof. 342,123; Jan. 5; Serial No. 381,468; published Oct. 27, 1936.

CLASS 40

Snap-fasteners. Autoyre Company. 115,721-2; renewed Mar. 6, 1937.

CLASS 42

Bridge sets, table cloths, towels, etc. N. J. Richman Co. 342,121; Jan. 5; Serial No. 381,423; published Oct. 27, 1936.
Cotton piece goods and rayon piece goods. American Bleached Goods Company. 342,080; Jan. 5; Serial No. 374,609; published Apr. 21, 1936.
Cotton piece goods and rayon piece goods. American Bleached Goods Company. 342,081; Jan. 5; Serial No. 374,610; published Apr. 28, 1936.
Linens, sheets, drapes, etc. Defender Mfg. Company. 342,191; Jan. 5; Serial No. 383,008; published Oct. 27, 1936.
Piece goods. Bianchini Ferier, Inc. 342,186; Jan. 5; Serial No. 382,939; published Oct. 27, 1936.
Rugs and mats of yarn. McCallum & Robinson, Inc. 342,134; Jan. 5; Serial No. 381,848; published Oct. 27, 1936.

CLASS 45

Beverage, Non-alcoholic. Manitou Mineral Water Company. 114,101; renewed Nov. 28, 1936.
Ginger-Champagne. Manitou Mineral Water Company. 114,102; renewed Nov. 28, 1936.
Water, charged or sparkling table-water, and ginger-champagne, Still. Manitou Mineral Water Company. 114,100; renewed Nov. 28, 1936.

CLASS 46

Beans, Dried. Salinas Land Company. 342,142; Jan. 5; Serial No. 382,007; published Oct. 27, 1936.
Bird seed and bird foods. Crest Foods, Inc. 342,094; Jan. 5; Serial No. 378,555; published Oct. 27, 1936.
Biscuit. National Biscuit Company. 342,073; Jan. 5; Serial No. 358,561; published Apr. 2, 1935.
Butter and eggs. Illinois Producers' Creameries. 342,106; Jan. 5; Serial No. 380,279; published Oct. 20, 1936.
Butter, cheese, eggs, etc. River Plate Dairy Company. 342,159-60; Jan. 5; Serial Nos. 382,446-7; published Oct. 27, 1936.
Canned bean sprouts, chop suey sauce, canned chop suey, etc. Sing Lee Company. 342,082; Jan. 5; Serial No. 374,946; published Oct. 27, 1936.
Canned citrus juices for food purposes. Gold Buckle Association. 342,163; Jan. 5; Serial No. 382,511; published Oct. 27, 1936.
Canned dog foods. Vimpep Foods, Inc. 342,155; Jan. 5; Serial No. 382,329; published Oct. 27, 1936.
Canned pineapple. Alexander & Baldwin, Ltd. 342,075; Jan. 5; Serial No. 367,983; published Jan. 28, 1936.
Canned tomatoes. Italian Groceries Corporation. 342,093; Jan. 5; Serial No. 378,401; published Oct 20, 1936.
Cheese. Kraft-Phenix Cheese Corporation. 342,074; Jan. 5; Serial No. 367,763; published Oct. 27, 1936.
Doughnuts. J. W. Dunlap. 342,156; Jan. 5. Serial No. 382,383; published Oct. 27, 1936.
Dressing or condiment for salads, fish, oysters, etc. Nalley's, Inc. 342,207; Jan. 5.
Eggs. Kennedy & Co. 342,117; Jan. 5; Serial No. 381,107; published Oct. 27, 1936.
Eggs, Fresh. Pioneer Quality Egg Producers, Inc. 342,203; Jan. 5.
Flour, Wheat. Louis Levy Grocer Co. 116,655; renewed May 15, 1937.
Fleur, Wheat. McManness Milling & Grain Co. 113,997; renewed Nov. 14, 1936.
Food, Dog and cat. Silver King Canning Co. Inc. 342,201; Jan. 5.
Foods. J. S. Brown Mercantile Co. 115,936; renewed Mar. 27, 1937.
Foods. Nave-McCord Mercantile Co. 114,174; renewed Dec. 5, 1936.
Frosting, Chocolate. My Jon's, Inc. 342,152; Jan. 5; Serial No. 382,273; published Oct. 20, 1936.
Fruits, Fresh citrus. Olive Hillside Groves. 342,112; Jan. 5; Serial No. 380,657; published Sept. 29, 1936.
Fruits, Fresh citrus. Randolph Marketing Co. 342,079; Jan. 5; Serial No. 374,431; published Oct. 27, 1936.
Ice cream. Southern Dairies, Inc. 342,162; Jan. 5; Serial No. 382,491; published Oct. 27, 1936.
Ice cream powder. Perkins Products Company. 342,151; Jan. 5; Serial No. 382,233; published Oct. 27, 1936.
Mayonnaise, salad dressing, French dressing, etc. Cottage Creamery Company. 342,149; Jan. 5; Serial No. 382,204; published Oct. 27, 1936.
Milk powder, Skim. Wesco Foods Company. 342,171; Jan. 5; Serial No. 382,735; published Oct. 27, 1936.
Milk powder, Whole. Wesco Foods Company. 342,170; Jan. 5; Serial No. 382,733; published Oct. 27, 1936.
Oleomargarin. Capital City Dairy Co. 116,590; renewed May 15, 1937.
Peanut butter. Buffalo Nut Shops, Inc. 342,124; Jan. 5; Serial No. 381,471; published Oct. 27, 1936.
Pies. Fibreware Corporation. 342,105; Jan. 5; Serial No. 380,047; published Oct. 27, 1936.
Pork, sausage products, butter, etc. Albany Packing Co. 342,072; Jan. 5; Serial No. 357,848; published July 23, 1935.

Preparation for modifying milk. W. W. Simpson. 342,164; Jan. 5; Serial No. 382,532; published Oct. 27, 1936.
Rice. Interstate Rice Sales Co. 342,206; Jan. 5.
Soyabean flour, flakes and meal. Manchuria Soyabean Industry Corp. 342,102; Jan. 5; Serial No. 379,652; published Oct. 27, 1936.
Spaghetti sauce, canned tomatoes, canned string beans, etc. Venice Maid Co. Inc. 342,139; Jan. 5; Serial No. 381,922; published Oct. 27, 1936.

CLASS 47

Canned wines. Vacuum Wine and Spirits Canning Corp. 342,143; Jan. 5; Serial No. 382,013; published Oct. 27, 1936.

CLASS 48

Ale. A. Kanner. 342,153; Jan. 5; Serial No. 382,313; published Oct. 27, 1936.
Beer. A. Kanner. 342,154; Jan. 5; Serial No. 382,314; published Oct. 27, 1936.
Beer. Pointer Brewing Co. 342,109; Jan. 5; Serial No. 380,408; published Oct. 27, 1936.

CLASS 49

Brandy. Maryland Wine & Liquor Co. 342,204; Jan. 5.
Cocktails, Alcoholic. M. A. Muller. 342,173; Jan. 5; Serial No. 382,761; published Oct. 27, 1936.
Gin and orange gin, Dry. Seager, Evans & Co. Limited. 342,096; Jan. 5; Serial No. 378,716; published Oct. 27, 1936.
Whiskey. Continental Distilling Corporation. 342,193; Jan. 5.
Whiskey. T. W. Samuels Distillery, Inc. 342,192; Jan. 5; Serial No. 383,034; published Oct. 27, 1936.
Whiskey. G. Singer. 342,209; Jan. 5.

CLASS 50

Fabrics, Waterproof automobile and carriage. F. S. Carr Company. 114,942; renewed Jan. 16, 1937.
Printing plates, Composition. Armstrong Cork Products Company. 342,180; Jan. 5; Serial No. 382,855; published Oct. 27, 1936.
Sheet material comprising rubber and fiber. Hood Rubber Company. 342,141; Jan. 5; Serial No. 382,558; published Oct. 27, 1936.
Stoppers and closures. International Cork Company. 116,140; renewed Apr. 10, 1937.

LIST OF LABELS

Balza's Crispy. For Dill Pickles. E. J. Balza Company. 48,680; Jan. 5.
Big Chief. For Bread. R. J. Mrizek Company. 48,705; Jan. 5.
Borden's Butter—Fresh Every Day. For Butter. Borden Company. 48,681; Jan. 5.
Eastside Dry. For Lime Rickey. Los Angeles Brewing Co. 48,701; Jan. 5.
Eastside Dry. For Ginger Ale. Los Angeles Brewing Co. 48,702; Jan. 5.
Eastside Dry Sparkling Water. For Lithiated Carbonated Water. Los Angeles Brewing Co. 48,703; Jan. 5.
Embassy Club. For Blend of Straight Whiskies. Continental Distilling Corporation. 48,683; Jan. 5.
Energy. For Soap Chips. National Retailer-Owned Grocers, Inc. 48,709; Jan. 5.
Energy. For Soap Granules. National Retailer-Owned Grocers, Inc. 48,711; Jan. 5.
Flor'da-Sweet. For Fresh Citrus Fruit. Florida Citrus Exchange. 48,685; Jan. 5.
Huyler's Hi-Spot Ice Cream. For Ice Cream. Huyler's. 48,699; Jan. 5.
King Citrus. For Canned Grapefruit. King Citrus Fruit Corp. 48,700; Jan. 5.
Mity Fine. For Soap Flakes. National Retailer-Owned Grocers, Inc. 48,708; Jan. 5.
Old Classic. For Straight Rye Whisky. Continental Distilling Corporation. 48,684; Jan. 5.
Old Hutch. For Blended Whiskey. E. H. Nasarzewski. 48,706; Jan. 5.
Old Hutch Special. For Blended Whiskey. E. H. Nasarzewski. 48,707; Jan. 5.
Perfecto Garcia & Bros. For Cigars. Perfecto Garcia & Bros. 14,573; renewed Dec. 29, 1936.
"Real German" Brand. For Beer. Yough Brewing Company. 48,714; Jan. 5.
Sani-Tex. For Hygiene Soap. National Retailer-Owned Grocers, Inc. 48,710; Jan. 5.
Sea Garden. For Oysters. Consolidated Oyster Co. 48,682; Jan. 5.
Smith's Holsum Bread. For Bread. General Baking Company. 48,686; Jan. 5.
Stepsoft Foot Appliances for Men and Women. For Insoles. Silverite-Gutterman Co. 48,712; Jan. 5.
Stepsoft Foot Appliances for Men and Women. For Appliances Made of Sponge Rubber for Attaching in the Heels of Shoes to Prevent Slipping of Heels and Wear on Hose. Silverite-Gutterman Co. 48,713; Jan. 5.
Sun Sip. For Grapefruit Juice. Gregg Maxcy, Inc. 48,704; Jan. 5.
Wheatles. For Whole Wheat Flakes. General Mills, Inc. 48,687-98; Jan. 5.

LIST OF PRINTS

Like a Thief in the Night. For Carburetors. Bendix Products Corporation. 15,991; Jan. 5.
Your Attitude of Build. For Custom-Tailored Suits and Overcoats. United Woolen Company. 15,992; Jan. 5.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abraham, Manfred, New York, N. Y. Electric surgical sterilizers. Serial No. 380,327; Feb. 2. Class 44.

Agar Packing & Provision Corporation, Chicago, Ill. Smoked meats—namely, bacon. Serial No. 385,022; Feb. 2. Class 46.

Albert Laboratories. (See Binash, Albert H.)

Allen Company, The, Toledo, Ohio. Preparation for the treatment of athlete's foot, pediculosis, scabies, etc. Serial No. 384,309; Feb. 2. Class 6.

Anglo-French Laboratories, Inc., New York, N. Y. Medicines for use as a cathartic. Serial No. 386,007; Feb. 2. Class 6.

American Envelope Co., The, West Carrollton, Ohio. Paper envelopes. Serial No. 385,619; Feb. 2. Class 37.

American Findings Manufacturing Company, Indianapolis, Ind. Shoe horns. Serial No. 384,695; Feb. 2. Class 40.

American Gas Machine Company, Albert Lea, Minn. Gasoline operated cooking stoves. Serial No. 386,091; Feb. 2. Class 34.

Amperite Company, New York, N. Y. Microphones. Serial No. 385,461; Feb. 2. Class 21.

Armstrong, D., & Company, Inc., Rochester, N. Y. Shoes. Serial No. 385,245; Feb. 2. Class 39.

Automatic Radio Manufacturing Co., Inc., Boston, Mass. Radio receiving sets and parts. Serial No. 386,283; Feb. 2. Class 21.

Automatic Radio Manufacturing Co., Inc., Boston, Mass. Radio receiving sets and parts. Serial No. 386,397; Feb. 2. Class 21.

Binash, Albert H., doing business as Albert Laboratories, Chicago, Ill. Medicinal preparation. Serial No. 384,497; Feb. 2. Class 6.

Blanchard, William G., 2d, Coral Gables, Fla. Magazine. Serial No. 384,063; Feb. 2. Class 38.

Blickman, S., Inc., Weehawken, N. J. Tables, cabinets, racks, etc. Serial No. 381,604; Feb. 2. Class 32.

Blue Ridge Glass Corporation, Kingsport, Tenn. Flat glass. Serial No. 385,876; Feb. 2. Class 33.

Boccella, Vincenzo, doing business as Viba Company, Philadelphia, Pa. Medicinal preparation. Serial No. 384,404; Feb. 2. Class 6.

Botany Worsted Mills, Passaic, N. J. Yarns. Serial No. 382,941; Feb. 2. Class 43.

Buckley, Martin D., Rochester, N. Y. Apple cider. Serial No. 384,502; Feb. 2. Class 45.

Buffalo Faultless Pants Co. Inc., Buffalo, N. Y. Trousers, pants, trunks, etc. Serial No. 385,210; Feb. 2. Class 39.

Buttermilk Dispensers, San Francisco, Calif. Refrigerated buttermilk dispenser and parts thereof. Serial No. 385,622; Feb. 2. Class 31.

Castagna, Philip, doing business as Option Card Company, Philadelphia, Pa. Letter and alphabet cards usable as an educational word game. Serial No. 386,885; Feb. 2. Class 22.

Celastic Corporation, The, Wilmington, Del., and Arlington, N. J. Softeners, i. e., chemical solutions used in the shoe industry. Serial No. 384,843; Feb. 2. Class 6.

Clover Farm Stores Corporation, doing business as Clover Farm Stores, Cleveland, Ohio. Wheat flour. Serial No. 385,828; Feb. 2. Class 46.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial Nos. 386,243–4; Feb. 2. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial Nos. 386,407–12; Feb. 2. Class 23.

Compañía Argentina de Quebracho "Marca Formosa" Sociedad Anónima, Buenos Aires, Argentina. Tanning extracts. Serial No. 385,565; Feb. 2. Class 6.

Courchesne, A., Inc., doing business as El Paso Clay & Powder Company, El Paso, Tex. Rotary drilling clay. Serial No. 380,247; Feb. 2. Class 1.

Crown Silver Company, Inc., Brookline, Mass. Silver plated hollow ware. Serial No. 384,736; Feb. 2. Class 28.

Crutcher, Carlile, Louisville, Ky. Cartoons. Serial No. 383,836; Feb. 2. Class 38.

Diehl, Christ., Brewing Company, The, Defiance, Ohio. Beer. Serial No. 383,722; Feb. 2. Class 48.

Diversey Corporation, The, Chicago, Ill. Alkaline cleaning compound. Serial No. 386,534; Feb. 2. Class 4.

Donna-Lo Laboratories, Inc., St. Louis, Mo. Face powder, perfume, soapless shampoo, etc. Serial No. 384,887; Feb. 2. Class 6.

Du Barry Bags Incorporated, New York, N. Y. Hand bags and pocketbooks. Serial No. 383,209; Feb. 2. Class 3.

Eby, George W., doing business as Starp E Z Manufacturing Co., Fort Wayne, Ind. Razor strop dressing. Serial No. 385,218; Feb. 2. Class 4.

Eckert, Louis, Brewing Company, Los Angeles, Calif. Beer. Serial No. 379,512; Feb. 2. Class 48.

Edinburg Citrus Association, Edinburg, Tex. Fresh citrus fruits. Serial No. 386,418; Feb. 2. Class 46.

Elliott Addressing Machine Company, The, Cambridge, Mass. Addressing machines, and stencil printing apparatus and attachments therefor, etc. Serial Nos. 385,664–5; Feb. 2. Class 23.

El Paso Clay & Powder Company. (See Courchesne, A., Inc.)

Endowment Foundation, New Brunswick, N. J. Mosquito larvacide. Serial No. 385,282; Feb. 2. Class 6.

Fibre Leather Manufacturing Corporation, New Bedford, Mass. Composition leather. Serial No. 382,625; Feb. 2. Class 50.

Fibro-Plug Solar Industries, New York, N. Y. Anchor plugs for screws. Serial No. 377,255; Feb. 2. Class 13.

Filatex Corporation, New York, N. Y. Elastic fabrics. Serial No. 385,182; Feb. 2. Class 42.

Floridagold Citrus Corporation, Lake Alfred, Fla. Canned citrus fruits and canned citrus juices. Serial No. 385,437; Feb. 2. Class 46.

Foodcraft Products. (See United Buyers Corporation.)

Forest Garment Company, The, Cleveland, Ohio. Coats, suits, dresses, etc. Serial No. 380,629; Feb. 2. Class 39.

Fort Orange Chemical Co., Inc., Albany, N. Y. Adhesive denture powder. Serial No. 385,921; Feb. 2. Class 6.

Fountaine, Clarke O., Moorestown, N. J. Medicinal preparation. Serial No. 383,416; Feb. 2. Class 6.

Frackville M'f'g. Company, Inc., New York, N. Y. Men's pajamas, outer shirts, and underwear, nightshirts. Serial No. 385,572; Feb. 2. Class 39.

Free State Brewery Corporation, Baltimore, Md. Malt beverage. Serial No. 384,455; Feb. 2. Class 48.

Furman, Clara, Brooklyn, N. Y. Face creams. Serial No. 385,979; Feb. 2. Class 6.

Galban Lobo Company Importing and Exporting Association, S. A., Habana, Cuba. Wheat flour, bread, crackers, etc. Serial No. 373,255; Feb. 2. Class 46.

Gay Blade Co. (See Rider, Daniel H.)

Giusti, Benedict A., doing business as International Pharmacy, Yuma, Ariz. Ointment. Serial No. 383,807; Feb. 2. Class 6.

Gonzalez, Francisco S., Habana, Cuba. Cigars. Serial No. 384,850; Feb. 2. Class 17.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. Serial Nos. 386,251–2; Feb. 2. Class 35.

Gossard, H. W., Co., The, Chicago, Ill. Corsets, girdles, brassières, etc. Serial No. 385,731; Feb. 2. Class 39.

Grant, W. T., Company, New York, N. Y. Men's shorts. Serial No. 386,025; Feb. 2. Class 39.

Guenther, C. H., & Son, Inc., doing business as Pioneer Flour Mills, San Antonio, Tex. Wheat flour. Serial No. 384,588; Feb. 2. Class 46.

Hack Shoe Company, Detroit, Mich. Foot wear. Serial No. 384,209; Feb. 2. Class 39.

Hanff-Metzger, Inc., New York, N. Y. Cigarettes. Serial No. 385,981; Feb. 2. Class 17.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Food colors. Serial No. 386,028; Feb. 2. Class 6.

Havana Pineapple Company, S. A., Habana, Cuba. Canned pineapple. Serial No. 385,439; Feb. 2. Class 46.

Hilvert, Fred G., Co., Inc., Phoenix, Ariz. Fresh vegetables, cantaloupes, and honeydew melons. Serial No. 386,425; Feb. 2. Class 46.

Hirsch, F. S. & W. W., Los Angeles, Calif. Shut-off nozzles. Serial No. 383,999; Feb. 2. Class 13.

Hirsch, L., & Sons, Inc., Brooklyn, N. Y. Wrap-around dresses. Serial No. 386,254; Feb. 2. Class 39.

Holeproof Hosiery Co., Milwaukee, Wis. Pajamas for women. Serial Nos. 386,256–7; Feb. 2. Class 39.

Hughes, Harriet C., South Port, Conn. Sport visors. Serial No. 380,278; Feb. 2. Class 39.

Imperial Molded Products Corporation, Chicago, Ill. Dispensers and dispenser closures. Serial No. 386,680; Feb. 2. Class 2.

Indiana Motors Corporation, Cleveland, Ohio. Motor trucks. Serial No. 384,256; Feb. 2. Class 19.

Industrial Undergarment Corporation, Poughkeepsie, N. Y. Slips. Serial No. 386,030; Feb. 2. Class 39.

International Pharmacy. (See Giusti, Benedict A.)

International Safety Razor Corp., Bloomfield, N. J. Razors and razor blades. Serial No. 385,407; Feb. 2. Class 23.

International Silver Company, Meriden, Conn. Silver-plated flatware. Serial No. 386,162; Feb. 2. Class 28.

Interstate Rice Sales Co., Inc., The, Crowley, La. Rice. Serial No. 385,143; Feb. 2. Class 46.

Irwill Knitwear Corp., New York, N. Y. Sportswear. Serial No. 385,464; Feb. 2. Class 39.

Johnson, Walter H., Candy Company, Chicago, Ill. Candy. Serial No. 386,114; Feb. 2. Class 46.

Johnston, John D., Jr., Brundidge, Ala. Peanut butter. Serial No. 383,530; Feb. 2. Class 46.

Juvenile Shoe Corporation of America, The, Aurora and St. Louis, Mo. Shoes. Serial No. 386,031; Feb. 2. Class 39.

Kaytees Mfg. Co., The. (See Quinn, Katie M.)

Kelly, Thomas S., Philadelphia, Pa. Lamp reflectors and lenses. Serial No. 382,720; Feb. 2. Class 34.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Keystone Lubricating Company, Philadelphia, Pa. Grease cups, oil cups, lubricators, etc. Serial No. 386,370; Feb. 2. Class 23.
Knott, Wm. T., Company, Inc., New York, N. Y. Dresses, bonnets, gowns, etc. Serial No. 383,169; Feb. 2. Class 39.
Knox Company, The, Los Angeles, Calif. Preparations for the treatment of disorders of the kidneys, etc. Serial No. 381,412; Feb. 2. Class 6.
Kushman, Nathan, doing business as Milan Sportswear Company, New York, N. Y. Sportswear. Serial No. 384,538; Feb. 2. Class 39.
Langenieux, Jean M., New York, N. Y. Ribbons. Serial No. 385,588; Feb. 2. Class 42.
Les Parfums Worth De Paris, Inc., New York, N. Y. Perfumes. Serial No. 386,592; Feb. 2. Class 6.
Lockhart Manufacturing Co., Pittsburgh, Pa. Household brooms and mops. Serial No. 384,040; Feb. 2. Class 29.
Lopez, José, New York, N. Y. Cigars. Serial No. 367,248; Feb. 2. Class 17.
Louisville Wall Paper Co. Inc., Louisville, Ky. Wall paper. Serial No. 385,850; Feb. 2. Class 37.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 374,975; Feb. 2. Class 6.
Matusow, Max, doing business as The Matusow Mfg. Co., Philadelphia, Pa. Trousers, shorts, knickers, and suits. Serial No. 386,313; Feb. 2. Class 39.
McCurrach Organization Incorporated, New York, N. Y. Neckties and mufflers. Serial No. 386,547; Feb. 2. Class 39.
Medicinal Research Laboratories, Philadelphia, Pa. Preparations in the form of an ointment, oil and solution. Serial No. 382,147; Feb. 2. Class 6.
Milan Sportswear Company. (See Kushman, Nathan.)
Miles Laboratories, Inc., Elkhart, Ind. Antiacid effervescent preparation. Serial No. 385,895; Feb. 2. Class 6.
Milford Textile Corporation, Milford, N. H. Fabrics in the piece. Serial No. 385,595; Feb. 2. Class 42.
Monsanto Chemical Company, St. Louis, Mo. Chemical compounds. Serial No. 384,971; Feb. 2. Class 6.
Moss, Charles, doing business as Mosscony Brand, New York, N. Y. Insect spray, bleaching powder, insect powder, etc. Serial No. 385,596; Feb. 2. Class 6.
Mosscony Brand. (See Moss, Charles.)
National Retailer-Owned Grocers, Inc., Chicago, Ill. Hygienic soap. Serial No. 386,440; Feb. 2. Class 4.
Nichibei Shuzo Kabushiki Kaisha, Ltd., Hilo, Hawaii. Sake. Serial No. 384,186; Feb. 2. Class 47.
North Jersey Oil Corporation, Bloomfield, N. J. Gasoline, lubricating oils and greases. Serial No. 357,021; Feb. 2. Class 15.
North Shore Electric Co., Inc., Woodside, N. Y. Automatic oil burners. Serial No. 381,283; Feb. 2. Class 34.
Norton Company, Worcester, Mass. Abrading, grinding, and lapping machines. Serial No. 385,423; Feb. 2. Class 23.
Norwich Knitting Company, Norwich, N. Y. Sweat shirts, polo shirts, jackets, etc. Serial No. 386,167; Feb. 2. Class 39.
Nuodex Products Co., Inc., Elizabeth, N. J. Paint driers, varnish driers, enamel driers, etc. Serial No. 386,494; Feb. 2. Class 16.
Nutri-Brom Phamacal Co., Inc., Brooklyn, N. Y. Ferruginous tonic and hematinic. Serial No. 381,572; Feb. 2. Class 6.
Oertel Company, Incorporated, The, Louisville, Ky. Ale. Serial No. 380,073; Feb. 2. Class 48.
Old Reliable Laboratories, Incorporated, Ashland, Ky. Medicine for coughs, etc. Serial No. 384,047; Feb. 2. Class 6.
Option Card Company. (See Castagna, Philip.)
Panitz, Isador, doing business as Yale Underwear Co., Baltimore, Md. Running pants, shorts, athletic shirts, etc. Serial No. 334,688; Feb. 2. Class 39.
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 386,042; Feb. 2. Class 6.
Pasadena Slipper Company, Inc., Pasadena, Calif. Shoes. Serial No. 386,044; Feb. 2. Class 39.
Peertex Corporation, The, Atlantic City, N. J. Hosiery and ladies' silk underwear. Serial No. 383,442; Feb. 2. Class 39.
Philadelphia Record Company, Philadelphia, Pa. Column for articles or writings. Serial No. 385,802; Feb. 2. Class 38.
Phillips Pure Oil Company, Newkirk, Okla. Lubricating oils and greases, gasoline, etc. Serial No. 385,677; Feb. 2. Class 15.
Phoenix-Powers Co., Camden, N. J. Capsules which contain the natural concentrate of vitamin E. Serial No. 385,449; Feb. 2. Class 6.
Pilser Brewing Company, Inc., New York, N. Y. Beer. Serial No. 386,774; Feb. 2. Class 48.
Pioneer Flour Mills. (See Guenther, C. H., & Son, Inc.)
Plibrico Jointless Firebrick Company, Chicago, Ill. Castable refractory material. Serial No. 385,200; Feb. 2. Class 12.
Printz-Biederman Company, The, Cleveland, Ohio. Women's coats and suits. Serial No. 385,801; Feb. 2. Class 39.
Pure Solvent Co., Inc., New York, N. Y. Detergent compound. Serial No. 383,941; Feb. 2. Class 4.
Quality Products Co., Inc., Brooklyn, N. Y. Face creams, cleansing creams, face powders, etc. Serial No. 384,630; Feb. 2. Class 6.
Quinn, Katie M., doing business as The Kaytees Mfg. Co., Crisfield, Md. Babies' diaper suspenders. Serial No. 383,863; Feb. 2. Class 39.
Rice-Stix Dry Goods Co., St. Louis, Mo. Sport dresses, slacks, shorts, etc. Serial No. 378,337; Feb. 2. Class 39.
Richards Chemical Works, The, Jersey City, N. J. Chemical substance used as a detergent. Serial No. 372,209; Feb. 2. Class 4.
Richards Chemical Works, The, Jersey City, N. J. Chemical substance used as a detergent. Serial Nos. 372,210–11; Feb. 2. Class 6.
Richards Chemical Works, The, Jersey City, N. J. Chemical substance used as a detergent. Serial No. 372,212; Feb. 2. Class 4.
Rider, Daniel H., doing business as Gay Blade Co., New York, N. Y. Razor blades and pocket knives. Serial No. 386,445; Feb. 2. Class 23.
Rimington Publishing Co., Inc., New York, N. Y. Magazine. Serial No. 384,933; Feb. 2. Class 38.
Romig, Kenneth, Evanston, Ill. Shoes. Serial No. 384,538; Feb. 2. Class 39.
Root, A. I., Company, The, Medina, Ohio. Specially processed honey. Serial No. 385,306; Feb. 2. Class 46.
Roto-Rooter Corporation, Des Moines, Iowa. Sewer and drain cleaning machines. Serial No. 378,005; Feb. 2. Class 23.
S. O. S. Fire Extinguishers Company. (See Schwartz, Isaac L.)
Safian, Felix, New York, N. Y. Dresses, coats, and suits. Serial No. 384,907; Feb. 2. Class 39.
Saks & Company, New York, N. Y. Shaving cream, shaving soap, and toilet soap. Serial No. 386,172; Feb. 2. Class 4.
Savogran Company, The, Boston, Mass. Cold water soap powder. Serial No. 383,546; Feb. 2. Class 4.
Schwartz, Isaac L., doing business as S. O. S. Fire Extinguishers Company, Philadelphia, Pa. Portable hand and automatic fire extinguishers. Serial No. 384,099; Feb. 2. Class 23.
Sharpo Specialties Company, Dayton, Ohio. Razor blade sharpeners. Serial No. 385,427; Feb. 2. Class 23.
Shur-Make Half & Half Co. (See Summerour and Smith.)
Sickles, F. W., Company, Springfield, Mass. Condensers, coils, inductances, etc. Serial No. 385,540; Feb. 2. Class 21.
Sleeper, Inc., Chicago, Ill. Twin studio couches. Serial No. 381,790; Feb. 2. Class 32.
Slutsky, Samuel, South Bend, Ind. Air conditioner. Serial No. 384,140; Feb. 2. Class 34.
Sno Creme Freezer Corporation, Seattle, Wash. Machines for making frozen confections. Serial No. 386,503; Feb. 2. Class 31.
Societe Le Rezo, Paris, France. Doors, architectural wall panels or partitions. Serial No. 368,488; Feb. 2. Class 12.
Sonotone Corporation, New York, N. Y. Phonographs and apparatus for record-sound on discs and accessories therefor. Serial No. 370,782; Feb. 2. Class 36.
Southern Dyestuff Corporation, Charlotte, N. C. Dyestuffs. Serial Nos. 385,704–5; Feb. 2. Class 6.
Sozol (1924) Limited, London, England. Egg preservatives. Serial No. 384,222; Feb. 2. Class 6.
Staley, A. E., Manufacturing Company, Decatur, Ill. Laundry starch. Serial No. 382,008; Feb. 2. Class 6.
Strap E Z Manufacturing Co. (See Eby, George W.)
Strouss-Hirshberg Company, The, Youngstown, Ohio. Women's shoes. Serial No. 384,273; Feb. 2. Class 39.
Sulkis Shoe Company, Marlboro, Mass. Shoes. Serial No. 380,415; Feb. 2. Class 39.
Summerour and Smith, doing business as Shur-Make Half & Half Co., Vernon, Tex., and Elk City, Okla. Cotton seed. Serial No. 385,951; Feb. 2. Class 1.
Sunshine-Radio System, Inc., New York, N. Y. Automobiles. Serial No. 380,976; Feb. 2. Class 19.
Sylvanic Company, Inc., New York, N. Y. Chemical compounds. Serial No. 385,203; Feb. 2. Class 6.
Taylor, Taylor & Bobson, Limited, Leicester, England. Photographic lenses. Serial No. 374,024; Feb. 2. Class 26.
Teich, Curt, & Company, Inc., Chicago, Ill. Multi-colored post-cards and pictorial illustrations. Serial No. 385,135; Feb. 2. Class 38.
Teich, Curt, & Company, Inc., Chicago, Ill. Multi-colored post-cards and pictorial illustrations. Serial No. 385,137; Feb. 2. Class 38.
Thayer, Charles A., doing business as The Thayer Chemical Co., Topeka, Kans. Preparation for dressing in surgery cuts, etc. Serial No. 386,053; Feb. 2. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Time, Incorporated, New York, N. Y. Newspaper column. Serial No. 385,757; Feb. 2. Class 38.
Trinidad Bean and Elevator Company, The, Denver, Colo. Dried peas, and dried beans. Serial No. 384,276; Feb. 2. Class 46.
Union Coil & Manufacturing Co., Pittsburgh, Pa. Instantaneous automatic gas water heaters. Serial No. 385,455; Feb. 2. Class 34.
Union Oil Company of California, Los Angeles, Calif. Sprayers. Serial No. 386,384; Feb. 2. Class 23.
United Buyers Corporation, doing business as Foodcraft Products, Chicago, Ill. Canned apricots, pitted red cherries, pork and beans, etc. Serial No. 371,716; Feb. 2. Class 46.
United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Clocks. Serial No. 386,823; Feb. 2. Class 27.
United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Oil cans. Serial No. 386,825; Feb. 2. Class 2.
U. S. Mail Order Company, Inc., Wilmington, Del. Shirts, pajamas, and drawers. Serial No. 385,916; Feb. 2. Class 39.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial Nos. 386,131–2; Feb. 2. Class 38.
Vanderhooven, Cornelius C., Asheville, N. C. Hair tonics. Serial No. 384,912; Feb. 2. Class 6.
Vel-Vette Laboratories, Inc., New York, N. Y. Chemical preparation for removing stains, etc. Serial No. 386,463; Feb. 2. Class 4.
Viba Company. (See Boccella, Vincenzo.)
Vita-Fresh Dog Food Corp., Long Island City, N. Y. Dog food. Serial No. 385,613; Feb. 2. Class 46.
Viz Corporation of America, Norwalk, Conn. Compound for keeping windshields clear of ice, etc. Serial No. 385,614; Feb. 2. Class 4.
White, H. Kirk, & Co., Oconomowoc, Wis. Shaving cream and shaving soap. Serial No. 385,458; Feb. 2. Class 4.
White, H. Kirk, & Co., Oconomowoc, Wis. Cleaning compound and type cleaner. Serial No. 385,713; Feb. 2. Class 4.
White, H. Kirk, & Co., Oconomowoc, Wis. Antiseptic mouth wash, healing ointment, throat tablets, etc. Serial No. 385,714; Feb. 2. Class 6.
Whitmore & Smith, Book Agents, Publishing House, M. E. Church, South, Nashville, Tenn., Dallas, Tex., and Richmond, Va. Periodical. Serial No. 385,460; Feb. 2. Class 38.
Wilber Co. Inc., Richmond, Va. Preparation for the treatment of anemia. Serial No. 386,323; Feb. 2. Class 6.
Wilco Drug, Inc., Brooklyn, N. Y. Facial tissue. Serial No. 385,323; Feb. 2. Class 37.
Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. Serial Nos. 384,772–3; Feb. 2. Class 21.
Wilson, Frank C., Bloomington, Ill. Electric grill. Serial No. 385,019; Feb. 2. Class 21.
Winter and Company, New York, N. Y. Pianos. Serial Nos. 386,324–5; Feb. 2. Class 36.
Wizard, Inc., Chicago, Ill. Carpet cleaning compound, metal polish, and shoe cleaner and polish. Serial No. 386,468; Feb. 2. Class 4.
Woolman and Robles, New York, N. Y. Leather dressing. Serial No. 385,656; Feb. 2. Class 4.
Yale Underwear Co. (See Panitz, Isador.)
Zenith Radio Corporation, Chicago, Ill. Prime-mover-driven electric generator combinations. Serial No. 373,009; Feb. 2. Class 21.
Zimmerman, George W., Allentown, Pa., assignor to G. W. Zimmerman, Inc. Smoking and chewing tobacco, cigars and cigarettes. Serial No. 385,766; Feb. 2. Class 17.

LIST OF REGISTRANTS OF TRADE-MARKS

Allen, Gracie. (See Burns, Grace A.)
Allied Mills, Inc., Chicago, Ill. Dog food. 342,922; Feb. 2; Serial No. 383,711; published Nov. 24, 1936. Class 46.
Al-Lon Manufacturing Co., Inc., Baltimore, Md. Cloth garment bags and cloth shoe bags. 342,886; Feb. 2; Serial No. 383,081; published Nov. 24, 1936. Class 2.
Anheuser-Busch, Incorporated, St. Louis, Mo. Lager beer. 342,923; Feb. 2; Serial No. 383,458; published Nov. 24, 1936. Class 48.
Annette Handbag Co., New York, N. Y. Handbags. 342,967; Feb. 2. Class 3.
Appalachian Apples, Inc., Martinsburg, W. Va. Fresh apples. 342,848; Feb. 2; Serial No. 383,291; published Nov. 17, 1936. Class 46.
Arizona Brewing Company, Phoenix, Ariz. Beer. 342,805; Feb. 2; Serial No. 383,712; published Nov. 24, 1936. Class 48.
Armour & Company. (See Hauser Packing Co., assignor.)
Associated Physicians Laboratories, Ltd., San Francisco, Calif. Compound containing procaine base, butyl-p-aminobenzoate and benzyl alcohol in almond oil, to produce local anesthesia by injection. 342,924; Feb. 2; Serial No. 382,992; published Nov. 17, 1936. Class 6.
Atlantic Zinc Works, Inc., Brooklyn, N. Y. Brass, etc., plates and copper and zinc engravers' plates and photo-engravers' copper and zinc. 342,849; Feb. 2; Serial No. 383,292; published Nov. 17, 1936. Class 14.
Baldwin, J. and J., and Partners, Limited, assignors to Patons & Baldwins, Limited, Halifax, England. Yarns. 116,273; renewed April 24, 1937.
Barricini, Inc., Long Island City, N. Y. Candy. 342,850; Feb. 2; Serial No. 380,435; published Sept. 8, 1936. Class 46.
Benco Products. (See Bender, Joseph B.)
Bender, Joseph B., doing business as Benco Products, New York, N. Y. Deodorant cream. 342,851; Feb. 2; Serial No. 379,922; published Nov. 17, 1936. Class 6.
Bernardini, Alfred, doing business as Hughes Pharmaceutical Laboratory, New York, N. Y. General tonic. 342,925; Feb. 2; Serial No. 383,500; published Nov. 17, 1936. Class 6.
Blake, Moffitt & Towne, San Francisco, Calif. Wrapping paper. 342,983; Feb. 2. Class 37.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 342,852; Feb. 2; Serial No. 366,137; published Nov. 24, 1936. Class 42.
Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 342,926; Feb. 2; Serial No. 383,384; published Nov. 24, 1936. Class 42.
Boyd Tea Company, doing business as Boyd T Company, Portland, Oreg. Coffee, tea, spices, etc. 342,853; Feb. 2; Serial No. 378,423; published Nov. 24, 1936. Class 46.
Bristow, Wm. L., Laboratories, San Francisco, Calif. Pharmaceutical oil. 342,927; Feb. 2; Serial No. 383,385; published Nov. 24, 1936. Class 6.
Burns, Grace A., doing business as Gracie Allen, New York, N. Y. Humorous columns. 342,928; Feb. 2; Serial No. 374,922; published Nov. 24, 1936. Class 38.
Byrnes, Loy, New York, N. Y. Newspaper comic strips. 342,854; Feb. 2; Serial No. 382,421; published Nov. 17, 1936. Class 38.
Carpenter Steel Company, The, Reading, Pa. Steel in bars, billets, and shapes. 342,971–6; Feb. 2. Class 14.
Central Breweries, Inc., East St. Louis, Ill. Beer. 342,929; Feb. 2; Serial No. 383,518; published Nov. 24, 1936. Class 48.
Cereal Confections Products Company, Washington Court House, Ohio. Cheese flavored expanded cereals. 342,806; Feb. 2; Serial No. 381,556; published Nov. 24, 1936. Class 46.
Cities Service Oil Company, Dover, Del., and Chicago, Ill. Petroleum products. 342,887; Feb. 2; Serial No. 381,151; published Nov. 24, 1936. Class 15.
Cleveland, Walter J., doing business as Cleveland Laboratories, Bellflower, Calif. Astringent antiseptic vermifuge for treatment of disorders of poultry, lotion astringent antiseptic for collar and saddle galls; etc. 342,807; Feb. 2; Serial No. 381,933; published Nov. 17, 1936. Class 6.
Codi Laboratories Co. (See Codispoti, James.)
Codispoti, James, doing business as Codi Laboratories Co., Pittsburgh, Pa. Chemical preparation. 342,808; Feb. 2; Serial No. 383,719; published Nov. 24, 1936. Class 6.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 342,987; Feb. 2. Class 4.
Collin County Mill & Elevator Co., McKinney, Tex. Flour. 342,809; Feb. 2; Serial No. 383,985; published Nov. 24, 1936. Class 46.
Collins, Ashton B., Birmingham, Ala. Books, circulars, advertising matter, etc. 342,888; Feb. 2; Serial No. 380,552; published Nov. 17, 1936. Class 38.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Containers and parts thereof and closures therefor. 342,810; Feb. 2; Serial No. 383,570; published Nov. 17, 1936. Class 2.
Concrete Equipment Company, The, Holland, Mich. Building brick units. 342,889; Feb. 2; Serial No. 383,006; published Nov. 24, 1936. Class 12.
Continental Mills, Inc., Seattle, Wash. Prepared pie-crust. 342,890; Feb. 2; Serial No. 372,188; published Nov. 17, 1936. Class 46.
Darrin, Laurence T., Philadelphia, Pa. Card game. 342,855; Feb. 2; Serial No. 383,161; published Nov. 24, 1936. Class 22.
Davenport, Cornelia W., Philadelphia, Pa. Perfumes. 342,930; Feb. 2; Serial No. 383,572; published Nov. 17, 1936. Class 6.

Diversey Corporation, The, Chicago, Ill. Bottle washing compound. 342,811; Feb. 2; Serial No. 383,726; published Nov. 24, 1936. Class 4.
Diversey Corporation, The, Chicago, Ill. Bottle washing compound. 342,931; Feb. 2; Serial No. 383,727; published Nov. 24, 1936. Class 4.
Do-Knots. (See Meilstrup, Herbert E.)
Donner, Joseph, doing business as Thoroughbred Pharmacal Company, Chicago, Ill. Shaving cream. 342,812; Feb. 2; Serial No. 381,477; published Nov. 24, 1936. Class 4.
Duffy Mott Co., Inc., New York, N. Y. Jellies. 342,813; Feb. 2; Serial No. 384,044; published Nov. 24, 1936. Class 46.
Easling, Newton P., Pekin, Ill. Felt paper for use in building construction. 342,891; Feb. 2; Serial No. 383,088; published Nov. 17, 1936. Class 12.
Enamel Products Company, The, Cleveland, Ohio. Tabletops. 116,830; renewed May 29, 1937.
Ephraim, Jerome W., Inc., New York, N. Y. Dentifrices, dental powders, and dental creams, etc. 342,892; Feb. 2; Serial No. 373,443; published Nov. 3, 1936. Class 6.
Exhibit Supply Company, Chicago, Ill. Coin controlled amusement apparatus. 342,814; Feb. 2; Serial No. 383,879; published Nov. 17, 1936. Class 22.
Fabrique de Pates de Foies Gras Edouard Artzner, Strasbourg, France. Pate de foies gras. 342,856; Feb. 2; Serial No. 380,448; published Nov. 24, 1936. Class 46.
Falk-Baxter, Inc. (See Hoelzel, Frederick, assignor.)
Fall & Fall, Denver, Colo. Hair, skin, dental and nail preparations. 342,932; Feb. 2; Serial No. 382,791; published Nov. 17, 1936. Class 6.
Federal Storage Battery Co., Chicago, Ill. Automobile storage batteries. 342,815; Feb. 2; Serial No. 377,786; published Nov. 24, 1936. Class 21.
Federated Mills, Inc., New York, N. Y. Paper dispensing cartons. 342,857; Feb. 2; Serial No. 383,299; published Nov. 17, 1936. Class 2.
"5" Spot Short Range Gun Clubs of America, Inc., Toledo, Ohio. Firearms and ammunition. 342,858; Feb. 2; Serial No. 382,386; published Nov. 24, 1936. Class 9.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 342,933; Feb. 2; Serial No. 383,520; published Nov. 24, 1936. Class 42.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 342,934; Feb. 2; Serial No. 383,522; published Nov. 24, 1936. Class 42.
Fourco Glass Company, Clarksburg, W. Va. Glass and glass sheets. 342,969; Feb. 2. Class 33.
Franklin Pottery, Incorporated, assignor to Franklin Tile Company, Lansdale, Pa. Wall and floor tiles. 342,977–9; Feb. 2. Class 12.
Frederick Disinfectant Co., Atlanta, Ga. Antiseptic floordressing. 116,895; renewed June 5, 1937. Class 6.
Free State Brewery Corporation, Baltimore, Md. Ale. 342,893; Feb. 2; Serial No. 383,057; published Nov. 24, 1936. Class 48.
General Desserts Corporation, New York, N. Y. Maltless chocolate powder used as a dessert. 342,816; Feb. 2; Serial No. 383,881; published Nov. 24, 1936. Class 46.
Georgia-Carolina Oil Company, Macon, Ga. Lubricating oils and greases. 342,935; Feb. 2; Serial No. 383,732; published Nov. 24, 1936. Class 15.
Gladee Oil Company, Incorporated, Detroit, Mich. Lubricating oils and greases and gasoline. 342,894; Feb. 2; Serial No. 368,777; published Nov. 24, 1936. Class 15.
Goldberg, Reuben L. (Rube), New York, N. Y. Cartoon and comic strips. 342,817; Feb. 2; Serial No. 383,527; published Nov. 24, 1936. Class 38.
Goldhaber, Jacob, Johnstown, Pa. Lithiated lemon beverage and sirup and extract for making the same. 342,936; Feb. 2; Serial No. 383,770; published Nov. 24, 1936. Class 45.
Graham Co. Inc., The, New York, N. Y. Shelled and unshelled nuts, rice, and dried vegetables. 342,895; Feb. 2; Serial No. 374,714; published Nov. 17, 1936. Class 46.
Graham, M. L., Seattle, Wash. Mayonnaise, salad dressing, cooked chicken, etc. 342,859; Feb. 2; Serial No. 380,453; published Nov. 17, 1936. Class 46.
Grant, W. T., Company, New York, N. Y. Pearls. 342,988; Feb. 2. Class 28.
Grocers Baking Company, Incorporated, Louisville, Ky. Bread. 342,860; Feb. 2; Serial No. 366,659; published Sept. 17, 1935. Class 46.
Gulf Oil Corporation, Pittsburgh, Pa. Publication. 342,818; Feb. 2; Serial No. 382,792; published Nov. 17, 1936. Class 38.
Halstead Products Co., Oakland, Calif. Oils and greases. 342,985; Feb. 2. Class 15.
Hampton Cracker Company, Inc., The, Louisville, Ky. Soda crackers or biscuits. 342,984; Feb. 2. Class 46.
Hauser Packing Co., Los Angeles, Calif., assignor to Armour & Company, Chicago, Ill. Shortening compound. 110,045; renewed May 2, 1936.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Canned fruits, canned fruit juices. 342,937; Feb. 2; Serial No. 383,340; published Nov. 24, 1936. Class 46.
Herbert, Preston, Jr., White Plains, N. Y. Golf balls. 342,819; Feb. 2; Serial No. 382,055; published Nov. 24, 1936. Class 22.
Herb-Verdi, doing business as Motif Cosmetics, San Francisco, Calif. Preparations for the hair. 342,938; Feb. 2; Serial No. 383,472; published Nov. 17, 1936. Class 6.
Hewlett Bros. Company, Salt Lake City, Utah. Concentrated beverages in syrup form. 342,820; Feb. 2; Serial No. 382,718; published Nov. 24, 1936. Class 45.
Hill, C. V., & Company, Inc., Trenton, N. J. Refrigerated display cases, refrigerators. 342,821; Feb. 2; Serial No. 382,056; published Nov. 24, 1936. Class 31.
Hoelzel, Frederick, assignor to Falk-Baxter, Inc., Chicago, Ill. Laxatives. 342,861; Feb. 2; Serial No. 379,048; published Nov. 24, 1936. Class 6.
Hollywood Powder Puff Co. Inc., Brooklyn, N. Y. Powder puffs. 342,896; Feb. 2; Serial No. 383,059; published Nov. 17, 1936. Class 29.
Honey Packers, Inc., New York, N. Y. Honey. 342,822; Feb. 2; Serial No. 377,308; published Nov. 24, 1936. Class 46.
Hughes Pharmaceutical Laboratory. (See Bernardini, Alfred.)
Humane Society of Baltimore County, Pikesville, Md. Shampoo, deodorant, and antiseptic, catnip balls, and sulpho-salve. 342,897; Feb. 2; Serial No. 383,096; published Nov. 17, 1936. Class 6.
Institutional Publications, Inc., Chicago, Ill. Periodical. 342,823; Feb. 2; Serial No. 383,624; published Nov. 24, 1936. Class 38.
Iowana Farms Milk Co., Bettendorf, Iowa. Milk, ice cream, and dairy products. 342,824; Feb. 2; Serial No. 381,673; published Nov. 17, 1936. Class 46.
Irish Review, Inc., The, New York, N. Y. Periodical. 342,862; Feb. 2; Serial No. 383,211; published Nov. 24, 1936. Class 38.
Iron and Steel Publishing Co., The, Pittsburgh, Pa. Periodical. 342,898; Feb. 2; Serial No. 383,023; published Nov. 17, 1936. Class 38.
Judson Michigbean Company, Durant, Mich., to Judson Michigbean Company, Linden, Mich. Dried beans. 114,166; renewed Dec. 5, 1936.
Kaplan Rice Mill, Inc., Kaplan, La. Rice. 342,963; Feb. 2. Class 46.
Keene, R. D., Inc., Winter Garden, Fla. Fresh citrus fruits. 342,863–4; Feb. 2; Serial Nos. 383,312–3; published Nov. 17, 1936. Class 46.
Kings Chemical Products Company. (See Rosslaw, David.)
Kinkead Industries, Inc., Chicago, Ill. Metal decorative trim, bindings, edgings, etc. 342,968; Feb. 2. Class 13.
Kirstein, E., Sons Co., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Eyeglasses and spectacles and parts thereof. 113,746; renewed Oct. 31, 1936.
Kloeckner Steel Corporation, New York, N. Y. Steel grinding balls and steel rollers used for grinding mills. 342,939; Feb. 2; Serial No. 383,773; published Nov. 24, 1936. Class 14.
Kor-Kor Paint Company, The, Grand Rapids, Mich. Paints, varnishes, enamel paint, etc. 342,865; Feb. 2; Serial No. 383,194; published Nov. 17, 1936. Class 16.
La Porte, Robert B., Peoria, Ill. Laundry washing machines. 342,825; Feb. 2; Serial No. 383,887; published Nov. 24, 1936. Class 24.
Les Parfums Chypron Societe Anonyme, Courbevoie/Seine, France. Soaps and shaving stick. 342,905; Feb. 2; Serial No. 382,920; published Nov. 24, 1936. Class 4.
Les Parfums Chypron Societe Anonyme, Courbevoie/Seine, France. Eau de cologne, lavender water, hair washes, etc. 342,906; Feb. 2; Serial No. 382,921; published Nov. 24, 1936. Class 6.
Levi, Simon, Co. Ltd. (See Stein Brothers, assignor.)
Lewis, G. M., Chemical Company, Canton, Ohio. Cleanser for general household use. 342,899; Feb. 2; Serial No. 380,954; published Nov. 17, 1936. Class 4.
Lifex Food Products Company, New York, N. Y. Canned vegetables. 342,826; Feb. 2; Serial No. 376,436; published Nov. 17, 1936. Class 46.
Lindenhurst Manufacturing Co., Lindenhurst, N. Y. Buttons. 116,436; renewed May 1, 1937.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Textile fabrics. 342,900; Feb. 2; Serial No. 373,696; published Nov. 24, 1936. Class 42.
Louis, John, Mount Vernon, Ill. Beverages. 342,827; Feb. 2; Serial No. 383,812; published Nov. 24, 1936. Class 45.
Lowe, Joe, Corporation, New York, N. Y. Empty wrappers and bags. 342,940; Feb. 2; Serial No. 383,584; published Nov. 17, 1936. Class 2.
MacAlpine, Martin Ford, Mount Clemens, Mich. Beverages and sirups and extracts for making the same. 342,941; Feb. 2; Serial No. 383,775; published Nov. 24, 1936. Class 45.
MacFarlane, John G., doing business as Nu Life Remedies Co., Victoria, British Columbia, Canada. Medicinal preparations for dogs. 342,901; Feb. 2; Serial No. 371,817; published Nov. 24, 1936. Class 6.
Mallinson Fabrics Corporation, New York, N. Y. Silk and synthetic fabrics. 342,942; Feb. 2; Serial No. 383,509; published Nov. 24, 1936. Class 42.
Marvel Lamp Manufacturing Company. (See Sullivan, Frank.)
McAlester Fuel Company, The, McAlester, Okla. Lubricating oils and greases. 342,902; Feb. 2; Serial No. 381,079; published Nov. 24, 1936. Class 15.

McElroy, F. T., doing business as F. T. McElroy Company, Phoenix, Ariz. Fresh vegetables. 342,828; Feb. 2; Serial No. 376,480; published June 16, 1936. Class 46.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Soap. 342,943; Feb. 2; Serial No. 383,777; published Nov. 17, 1936. Class 4.
Meilstrup, Herbert E., doing business as Do-Knots, Los Angeles, Calif. Doughnuts. 342,829; Feb. 2; Serial No. 378,370; published Nov. 24, 1936. Class 46.
Meiszahl, Charles, Mfg. Co., New York, N. Y. Beverages and syrups and extracts used in making the same. 342,903; Feb. 2; Serial No. 381,129; published Nov. 24, 1936. Class 45.
Mil-Hone Products Co., New York, N. Y. Fruit juices and flavoring extracts for alcoholic liquors. 342,866–7 Feb. 2; Serial Nos. 382,437–8; published Nov. 24, 1936. Class 45.
Mil-Hone Products Co., New York, N. Y. Fruit juices and flavoring extracts for alcoholic liquors. 342,868; Feb. 2; Serial No. 382,440; published Nov. 24, 1936. Class 45.
Motif Cosmetics. (See Herb-Verdi.)
Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Cotton rope. 114,264; renewed Dec. 5, 1936.
Needlecraft Service Inc., New York, N. Y. Pattern release sheets of a periodical nature. 342,981; Feb. 2. Class 38.
Nezen Company, to Wm. A. Warehine, doing business as The Nezen Milk Food Company, Cleveland, Ohio, successor. Prepared milk with egg albumen. 114,531; renewed Dec. 19, 1936.
North Star Woolen Mill Company, Minneapolis, Minn. Blankets. 342,904; Feb. 2; Serial No. 367,800; published Nov. 24, 1936. Class 42.
Northwestern Barb Wire Company, Sterling, Ill. Wire. 342,830; Feb. 2; Serial No. 383,541; published Nov. 17, 1936. Class 14.
Northwestern Barb Wire Company, Sterling, Ill. Wire. 342,831; Feb. 2; Serial No. 383,543; published Nov. 17, 1936. Class 14.
Nu Life Remedies Co. (See MacFarlane, John G.)
Nussbaum Liquor Store, Inc., New York, N. Y. Whiskey, gin, rum, etc. 342,832; Feb. 2; Serial No. 382,133; published Nov. 10, 1936. Class 49.
Oneva Co., West Pittston, Pa. Granular effervescent alkaline bromides. 342,944; Feb. 2; Serial No. 382,673; published Nov. 17, 1936. Class 6.
Osgood, George H., Tacoma, Wash. Glues and glue bases. 342,945; Feb. 2; Serial No. 383,478; published Nov. 24, 1936. Class 5.
Owl Drug Company, The, assignor to The Owl Drug Co., San Francisco, Calif. Paraffin-oil used in the treatment of certain named diseases. 112,695; renewed Sept. 19, 1936.
Pacific Northwest Fruits, Inc., Yakima, Wash. Fresh apples. 342,833; Feb. 2; Serial No. 381,546; published Nov. 17, 1936. Class 46.
Pacific Northwest Fruits, Inc., Yakima, Wash. Fresh apples and pears. 342,834; Feb. 2; Serial No. 381,859; published Nov. 24, 1936. Class 46.
Parker Grocery Company, Owensboro, Ky. Flour. 342,946; Feb. 2; Serial No. 382,927; published Nov. 24, 1936. Class 46.
Parr Paint & Color Co., The, Cleveland, Ohio. Viscid compounds for use in glazing, etc. 342,869; Feb. 2; Serial No. 380,122; published Nov. 24, 1936. Class 12.
Patons & Baldwins, Limited. (See Baldwin, J. and J., and Partners, Limited, assignor.)
Petersen, Johannes A., & Co., Hamburg, Germany. Wines. 342,835; Feb. 2; Serial No. 342,489; published Nov. 24, 1936. Class 47.
Petersen, Johannes A., & Co., Hamburg, Germany. Wines. 342,836–7; Feb. 2; Serial Nos. 346,924–5; published Nov. 24, 1936. Class 47.
Phillips Telescopic Taps Limited, London, England. Telescopic taps and cocks for containers. 342,838; Feb. 2; Serial No. 378,227; published Nov. 24, 1936. Class 13.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 342,948–50; Feb. 2; Serial Nos. 383,634–6; published Nov. 17, 1936. Class 46.
Pioneer Manufacturing Company, Cedar Rapids, Iowa. Oil burners. 342,839; Feb. 2; Serial No. 376,301; published Nov. 24, 1936. Class 34.
Pocahontas Grocer Company, doing business as Pocahontas Grocery Company, Pocahontas, Ark. Table syrup, mincemeat, and canned pork and beans. 342,907; Feb. 2; Serial No. 380,882; published Nov. 24, 1936. Class 46.
Power Tite Piston Ring Company, Los Angeles, Calif. Piston packing rings. 342,982; Feb. 2. Class 35.
Prendergast, William H., Company, New York, N. Y. Woolen piece goods. 342,947; Feb. 2; Serial No. 383,687; published Nov. 24, 1936. Class 42.
R. & K. Leather Goods Co., Inc., New York, N. Y. Ladies' handbags. 342,951; Feb. 2; Serial No. 383,648; published Nov. 24, 1936. Class 3.
Republic Electric Manufacturing Company, Davenport, Iowa. Radio receiving sets, generators, and storage batteries. 342,952; Feb. 2; Serial No. 375,599; published Nov. 24, 1936. Class 21.
Rochelle Products, Brooklyn, N. Y. Oil shampoo. 342,870; Feb. 2; Serial No. 383,180; published Nov. 17, 1936. Class 6.
Rosenberg, Morris, Los Angeles, Calif. Nuts. 342,908; Feb. 2; Serial No. 380,717; published Nov. 17, 1936. Class 46.
Rosslaw, David, doing business as Kings Chemical Products Company, Los Angeles, Calif. Bronchial inhalant, cold tablets, nasal spray, etc. 342,871; Feb. 2; Serial No. 382,177; published Nov. 24, 1936. Class 6.
Russia Cement Company, Glouster, Mass. Poultry food. 117,062; renewed June 12, 1937.
Sachs Brothers, New York, N. Y. Sheets and pillow cases. 342,840; Feb. 2; Serial No. 383,823; published Nov. 24, 1936. Class 42.
Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing tables. 342,953–4; Feb. 2; Serial Nos. 383,646–7; published Nov. 17, 1936. Class 24.
Salabes, Sody and Meyer J., doing business as Salabes Laboratories, Baltimore, Md. Alloys for artificial dentures, artificial dentures, dental bridges, etc. 342,872; Feb. 2; Serial No. 382,282; published Nov. 24, 1936. Class 44.
Saladino, Peter, doing business as Saladino Chemical Laboratory, Indianapolis, Ind. Preparation for cleaning, disinfecting, and deodorizing drain pipes, etc. 342,909; Feb. 2; Serial No. 382,490; published Nov. 24, 1936. Class 6.
Schenley Research Institute, Inc., New York, N. Y. Monthly publication. 342,841; Feb. 2; Serial No. 383,487; published Nov. 24, 1936. Class 38.
Scientific Food Products Company, Seattle, Wash. Intestinal laxative of herbs. 342,910; Feb. 2; Serial No. 382,810; published Nov. 17, 1936. Class 6.
Seal Zit Corporation, Chicago, Ill. Heat insulating packing rings. 342,980; Feb. 2. Class 35.
Shelton Tack Company, The, Shelton, Conn. Carpet and other tacks. 342,842; Feb. 2; Serial No. 376,500; published Nov. 24, 1936. Class 13.
Shuron Optical Company, Inc. (See Kirstein, E., Sons Co., assignor.)
Siegel Bros. Kiki Maid Koats Inc., New York, N. Y. Piece goods. 342,873; Feb. 2; Serial No. 383,233; published Nov. 24, 1936. Class 42.
Silver Seal Products, Inc., Plainfield, N. J. Soft drink and for a mixer with gin, rum, etc. 342,965; Feb. 2. Class 45.
Sinclair Refining Company, New York, N. Y. Paint enamels, varnishes, paint primers, etc. 342,874; Feb. 2; Serial No. 379,403; published Nov. 17, 1936. Class 16.
Sinclair Refining Company, New York, N. Y. Lubricating oil. 342,955; Feb. 2; Serial No. 383,372; published Nov. 24, 1936. Class 15.
Sioux Falls Cereal Company, Sioux Falls, S. Dak. Breakfast cereal. 342,911; Feb. 2; Serial No. 383,105; published Nov. 24, 1936. Class 46.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oil. 342,956; Feb. 2; Serial No. 383,453; published Nov. 24, 1936. Class 15.
Spojené závody pro výrobu karborunda a elektritu akciová společnost (United Carborundum and Electrite Works Co.), Nove Benatky, Czechoslovakia. Artificial abrading, lapping, and polishing grains and powders, abrading wheels, abrading papers, etc. 342,875; Feb. 2; Serial No. 381,824; published Nov. 24, 1936. Class 4.
Stacks Shoe Company, The, Cincinnati, Ohio. Shoes. 342,970; Feb. 2. Class 39.
Standard Novelty Works, Duncannon, Pa. Coaster sleds. 342,912; Feb. 2; Serial No. 382,843; published Nov. 17, 1936. Class 22.
Steele, J. W., & Co., Kansas City, Mo. Garment holding means. 342,989; Feb. 2. Class 37.
Steele, J. W., & Co., Kansas City, Mo. Garment accessories for garment manufacturers and laundries. 342,990; Feb. 2. Class 37.
Stein, Barnet L., Chicago, Ill. Ice cream. 342,876; Feb. 2; Serial No. 383,144; published Nov. 17, 1936. Class 46.
Stein Brothers, Chicago, Ill., assignor, by mesne assignments, to Simon Levi Co. Ltd., Los Angeles, Calif. Whisky. 116,374; renewed Apr. 24, 1937.
Stenton Laboratories, Inc., Philadelphia, Pa. Medicated soap. 342,843; Feb. 2; Serial No. 383,602; published Nov. 24, 1936. Class 4.
Sterling Products Company, Easton, Pa. Solvents for removing oil, tar, paint, and the like. 342,877; Feb. 2; Serial No. 383,330; published Nov. 24, 1936. Class 4.
Sterling Products Company, Easton, Pa. Fluid dry cleaning soap. 342,957; Feb. 2; Serial No. 383,331; published Nov. 24, 1936. Class 4.
Stirling Lester Co., The, Salinas, Calif. Fresh vegetables. 342,913; Feb. 2; Serial No. 381,078; published Nov. 24, 1936. Class 46.
Sullivan, Frank, doing business as Marvel Lamp Manufacturing Company, Hoboken, N. J. Electric lamp bulbs. 342,844; Feb. 2; Serial No. 352,749; published Nov. 24, 1936. Class 21.
Sun Harbor Packing Corp., San Diego, Calif. Canned tuna flakes, bonita and yellowtail. 342,878; Feb. 2; Serial No. 383,187; published Nov. 17, 1936. Class 46.
Sun Harbor Packing Corp., San Diego, Calif. Canned fish. 342,879; Feb. 2; Serial No. 383,186; published Nov. 17, 1936. Class 46.
Superior Brands Inc., Jersey City, N. J. Soya flour for baking purposes. 342,880; Feb. 2; Serial No. 379,281; published Nov. 17, 1936. Class 46.

Taylor, M. Sayle, New York, N. Y. Printed pamphlets. 342,914; Feb. 2; Serial No. 374,218; published June 30, 1936. Class 38.
Thoroughbred Pharmacal Company. (See Donner, Joseph.)
Tingue, Brown & Co., New York, N. Y. Net containers for use in laundry establishments. 342,845; Feb. 2; Serial No. 383,904; published Nov. 17, 1936. Class 24.
Tivoli Brewing Company, Detroit, Mich. Beer. 342,958; Feb. 2; Serial No. 383,657; published Nov. 24, 1936. Class 48.
Tompsitt, Henry T., St. Kilda, near Melbourne, Victoria, Australia, assignor to Rocke Tompsitt and Company, Proprietary Limited, Melbourne, Victoria, Australia. Insect-destroying powder. 116,380; renewed Apr. 24, 1937.
Union Bag & Paper Corporation, New York, N. Y. Transparent cellulose bags and other paper bags. 342,846; Feb. 2; Serial No. 384,018; published Nov. 24, 1936. Class 2.
United States Gypsum Company, Chicago, Ill. Roll roofing. 342,915; Feb. 2; Serial No. 370,587; published Nov. 24, 1936. Class 12.
U. S. Industrial Alcohol Co., New York, N. Y. Dried fermented molasses yeast product used as a poultry and livestock feed supplement. 342,881; Feb. 2; Serial No. 383,276; published Nov. 17, 1936. Class 46.
Universal Fotostatue Company, Fairfield, Iowa. Photographs. 342,916; Feb. 2; Serial No. 373,272; published Nov. 17, 1936. Class 38.
Valentine & Company, New York, N. Y. Paint and varnish remover. 342,917; Feb. 2; Serial No. 381,294; published Nov. 24, 1936. Class 16.
Valentine & Company, New York, N. Y. Paint enamel. 342,918; Feb. 2; Serial No. 381,297; published Nov. 24, 1936. Class 16.
Vogt, F. G., & Sons, Inc., Philadelphia, Pa. Shortening of blended animal fats. 342,959; Feb. 2; Serial No. 382,971; published Nov. 24, 1936. Class 46.
Von Sydow, Adolph B., Los Angeles, Calif. Acids and salts in combined powdered form. 342,919; Feb. 2; Serial No. 382,780; published Nov. 24, 1936. Class 6.
Waltham Bag & Paper Company, Waltham, Mass. Paper bags, boxes, and containers. 342,960; Feb. 2; Serial No. 383,791; published Nov. 17, 1936. Class 2.
Warehine, Wm. A. (See Nezen Company.)
Wealth, Unlimited, Narberth, Pa. Board game. 342,847; Feb. 2; Serial No. 384,021; published Nov. 24, 1936. Class 22.
Weideman Company, The, Cleveland, Ohio. Olives, fruit preserves, jellies, etc. 342,882; Feb. 2; Serial No. 382,252; published Nov. 24, 1936. Class 46.
Wellston Bottling Works, Inc., St. Louis, Mo. Beverages. 342,883; Feb. 2; Serial No. 383,114; published Nov. 24, 1936. Class 45.
Western Cedar Shake Co., Portland, Oreg. Cedar shakes. 342,964; Feb. 2. Class 12.
Whittemore Bros. Corp., Cambridge, Mass. Compositions for cleaning, dressing, and polishing sheet materials. 342,961; Feb. 2; Serial No. 383,339; published Nov. 17, 1936. Class 4.
Wilkins, Geo. C., South Windham, Maine. Building paper. 342,986; Feb. 2. Class 12.
Winne & Sutch Company, Los Angeles, Calif. Desert cloth. 342,884; Feb. 2; Serial No. 382,192; published Nov. 24, 1936. Class 42.
Wolf, Jaques, & Company, Passaic, N. J. Enzymic preparation. 342,920; Feb. 2; Serial No. 382,852; published Nov. 24, 1936. Class 46.
Worcester Knitting Company, Worcester, Mass., and New York, N. Y. Piece goods. 342,966; Feb. 2. Class 42.
Wróblewski, David, doing business as D. Wróblewski & Co., Brooklyn, N. Y. Preparation for catarrh of the stomach, chronic constipation, etc. 342,885; Feb. 2; Serial No. 382,255; published Nov. 24, 1936. Class 6.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Palatable emulsoid of aluminum hydroxide in distilled water. 342,962; Feb. 2; Serial No. 383,695; published Nov. 17, 1936. Class 6.
Yardley Screen and Weather Strip Corporation, Columbus, Ohio. Weather stripping and made-up porch and window screens. 342,921; Feb. 2; Serial No. 382,853; published Nov. 24, 1936. Class 12.

LIST OF REGISTRANTS OF LABELS

Ace High Products Company, Los Angeles, Calif. Ace High. For New Car Polish. 48,789; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Flour; (Blue and White Stripes). For Flour. 48,790; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Flour; (Brown, Green and White Varied Sized Blocks). For Flour. 48,791; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Flour; (Multiple Colored Tulips with White Background). For Flour. 48,792; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Flour; (Nursery Pattern with Lavender Background). For Flour. 48,793; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Corn Meal; (Red Disk, Blue Circle and White Checkered Pattern). For Corn Meal. 48,794; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Corn Meal; (Nursery Pattern with White Dots and Pink Background). For Corn Meal. 48,795; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Corn Meal; (Very Small Lavender and White Checkered Pattern). For Corn Meal. 48,796; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Corn Meal; (Multiple Colored Floral Design with White Background). For Corn Meal. 48,797; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Corn Meal; (Maroon and Blue Block Pattern with White Background). For Corn Meal. 48,798; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Corn Meal; (Blue and White Polka Dot Pattern). For Corn Meal. 48,799; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Flour; (Varied Colored Dice with White Background). For Flour. 48,800; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Corn Meal; (Red and White Leaf Pattern with Blue Background). For Corn Meal. 48,801; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Flour; (Gray and White Stripes with Dots). For Flour. 48,802; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Corn Meal; (Red, White and Blue Checkered Pattern). For Corn Meal. 48,803; Feb. 2.
Ada Milling Company, Ada, Okla. Ada Milling Co. Flour; (Red, White and Blue Plaid). For Flour. 48,804; Feb. 2.
American Pop Corn Company, Sioux City, Iowa. Jolly Time Giant Yellow Pop Corn. For Pop Corn. 48,805; Feb. 2.
Applegate Creamery, The, Applegate, Mich. Red Apple Brand Eggs. For Eggs. 48,806; Feb. 2.
Bakerite Corporation, The, Chicago, Ill. Bakerite 140. For Vegetable Shortening. 48,807; Feb. 2.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Vegetarian Beans. For Beans. 48,808; Feb. 2.
Bloch Company, The, Cleveland, Ohio. Fellow Fashion Clothes. For Clothes. 48,809; Feb. 2.
Burry Biscuit Corporation, Linden, N. J. Burry's Dickens Character Assortment English Style Biscuits. For English Style Biscuits. 48,810; Feb. 2.
Cannon, Ed C., doing business as Mogram Smoking Mixtures, Toledo, Ohio. Imported and Domestic Smoking Mixture. For Smoking Tobacco. 48,811; Feb. 2.
Carbona Products Company, New York, N. Y. Carbona Soapless Household Lather. For a Concentrated Cleaning Preparation. 48,812; Feb. 2.
Carbona Products Company, New York, N. Y. Carbona Soapless Suds. For a Concentrated Cleaning Preparation. 48,813; Feb. 2.
Cera-Lac Company, The, Los Angeles, Calif. Cera-Lac a Natural Food with a Laxative Effect. For a Prepared Food with a Laxative Effect. 48,814; Feb. 2.
Chapin & Gore, Inc., Chicago, Ill. C & G Old Reserve Straight Bourbon Whiskey. For Straight Bourbon Whiskey. 48,815; Feb. 2.
Chevron Laboratories, Hollis, N. Y. Sgt. Jiggs—a Scientific Shampoo for Dogs. For a Shampoo for Dogs. 48,816; Feb. 2.
Citrus Products, Inc., Los Angeles, Calif. Plus. For Canned Orange Juice. 48,817; Feb. 2.
Clayton, A. C., Printing Company, St. Louis, Mo. The Crawford Shoe Co. Quality Shoes. For Shoes. 48,818; Feb. 2.
Continental Foods Corporation, Los Angeles, Calif. Brown Crock. For Baked Beans. 48,819; Feb. 2.
Crimson Coach, Inc., Toledo, Ohio. Special Imported and Domestic Smoking Blend. For Smoking Tobacco. 48,820; Feb. 2.
D. F. S. Laboratories, Inc., Spokane, Wash. Glan-Glo. For Gland Tablets. 48,821; Feb. 2.
Dant & Head Distilling Company, Inc., Louisville, Ky. Dant Club. For Straight Bourbon Whiskey. 48,822; Feb. 2.
Dant & Head Distilling Company, Inc., Louisville, Ky. Dant Special. For Kentucky Straight Bourbon Whiskey. 48,823; Feb. 2.
Dant & Head Distilling Company, Inc., Louisville, Ky. Dant & Head Reserve. For Kentucky Straight Bourbon Whiskey. 48,824; Feb. 2.
Domestic Products, Inc., Minneapolis, Minn. Klox. For a Compound for Making a Cleaning Solution. 48,825; Feb. 2.
Dominguez, Jo I., doing business as Tru-Mex Products Company, El Paso, Tex. Tru-Mex Prepared Chile Colorado. For Red Chile Sauce. 48,826; Feb. 2.
Famous Products Company. (See Neumann, Morton G.)

Fleischer, I., & Sons, Cincinnati, Ohio. Fleischer's Controlled Quality Mercerized Thread. For Mercerized Thread. 48,827; Feb. 2.
Florsheim, Ivan P., Company, Chicago, Ill. Kentucky Vat. For Kentucky Straight Bourbon Whiskey. 48,828; Feb. 2.
Food Associates, Inc., Seattle, Wash. G. Q. For Canned Pears. 48,829; Feb. 2.
Forest City Brewery, Inc., Cleveland, Ohio. Samson Ale. For Ale. 48,830; Feb. 2.
Gamble Robinson Co., Minneapolis, Minn. Thrif-T-Pack. For Apples. 48,831; Feb. 2.
Gamble Robinson Co., Minneapolis, Minn. Thrif-T-Pack. For Tomatoes. 48,832; Feb. 2.
Gamble Robinson Co., Minneapolis, Minn. Thrif-T-Pack. For Grapefruit. 48,833; Feb. 2.
Gamble Robinson Co., Minneapolis, Minn. Thrif-T-Pack. For Oranges. 48,834; Feb. 2.
Germania Tea Company, Minneapolis, Minn. Orange Pekoe Tea. For Orange Pekoe Tea. 48,835; Feb. 2.
Glover, H. Clay, Co., Inc., New York, N. Y. Glover's Imperial Ointment for Sarcoptic Mange. For an Ointment for Sarcoptic Mange and Minor Irritations of the Skin. 48,836; Feb. 2.
Hart Drug Corporation, Miami, Fla. Cute-Asepto Powder. For a General Surgical Dusting Powder. 48,837; Feb. 2.
Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Enamel Cleaner. For a Powder for Cleaning Enameled Surfaces. 48,838; Feb. 2.
Heurich, Chr., Brewing Co., Washington, D. C. Senate Beer. For Bottled Beer. 48,839; Feb. 2.
Hills Bros., San Francisco, Calif. Hills Bros. Coffee. For Coffee. 48,840; Feb. 2.
Hillsboro Brewing Company, Hillsboro, Wis. Heinie's. For Beer. 48,841; Feb. 2.
Jacklin, Peter H., doing business as Standard Coffee & Tea Mills, Chicago, Ill. Tea-Room Tea. For Tea. 48,842; Feb. 2.
L. B. Laboratories, Inc., Los Angeles, Calif. L. B. Hair Oil. For Hair Oil. 48,843; Feb. 2.
L. B. Laboratories, Inc., Los Angeles, Calif. L. B. Foaming Oil Shampoo. For Shampoo. 48,844; Feb. 2.
L. B. Laboratories, Inc., Los Angeles, Calif. L. B. Permanent Wave Oil. For Permanent Wave Oil. 48,845; Feb. 2.
Loeb, H. A., & Co., Chicago, Ill. Miss U. S. A. Purs-pak Hair Nets. For Hair Nets. 48,846; Feb. 2.
Loewenthal, Siegfried, Company, Cleveland, Ohio. Big Ten. For Straight Whiskey. 48,847; Feb. 2.
Looker, Edna B., New York, N. Y. Astringent. For an Astringent. 48,848; Feb. 2.
Mac Alpine, Martin F., doing business as The Mac Alpine Company, Mount Clemens, Mich. Pay Cola. For a Beverage. 48,849; Feb. 2.
Majestic Can Corporation, Brooklyn, N. Y. Majestic Cans. For Cans. 48,850; Feb. 2.
Markwell Manufacturing Company, Inc., New York, N. Y. Standard Staples. For Standard Staples. 48,851; Feb. 2.
McCormick & Co., Inc., doing business as McCormick & Co., Baltimore, Md. Banquet (McCormick's) Orange Pekoe Tea. For Orange Pekoe Tea. 48,852; Feb. 2.
McGregor, Scott & Co. Ltd., Glasgow, Scotland. Drum Major. For Scotch Whisky. 48,853; Feb. 2.
Mead Johnson & Company, Evansville, Ind. Mead's Powdered Lactic Acid Milk (Whole Milk Cultured). For Powdered Lactic Acid Milk. 48,854; Feb. 2.
Menasha Products Company, Menasha, Wis. Hostess Package. For Foods. 48,855; Feb. 2.
Midway Chemical Co., Chicago, Ill. Radiant E-Z Wood. For a Plastic and Pliable Material for Repairing Picture Frames, Cracks in Woodwork, Floors, Furniture, Utensils, Grafting and other uses. 48,856; Feb. 2.
Mogram Smoking Mixtures. (See Cannon, Ed C.)
National Knitted Outerwear Association, New York, N. Y. This Garment is not Returnable after Use. For Bathing Suits. 48,857; Feb. 2.
Nebraska Cooperative Creameries, Inc., Omaha, Nebr. Pride O' Plains. For Butter. 48,858; Feb. 2.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Skin Tonic. For Skin Tonic. 48,859; Feb. 2.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Hair Perfume. For Hair Perfume. 48,860; Feb. 2.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Bath Oil. For Bath Oil. 48,861; Feb. 2.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Face Powder. For Face Powder. 48,862; Feb. 2.
Neumann, Morton G., doing business as Famous Products Company, Chicago, Ill. Van Van Incense Powders. For Incense Powders. 48,863; Feb. 2.
Neuman, Morton G., doing business as Valmor Products Company, Chicago, Ill. Valmor Family Liniment. For Liniment. 48,864; Feb. 2.
Neuman, Morton G., doing business as Valmor Products Company, Chicago, Ill. Lucky Brown Cocoanut Oil Shampoo. For Cocoanut Oil Shampoo. 48,865; Feb. 2.
Pacific Can Company, San Francisco, Calif. Acampa. For Wines. 48,866; Feb. 2.
Parker-Kalon Corporation, New York, N. Y. Parker-Kalon Modern Fastening Devices. For Fastening Devices. 48,867; Feb. 2.
Paul, Peter, Inc., Naugatuck, Conn. Mounds. For Chocolate and Coconut Confection. 48,868; Feb. 2.
Planters Nut & Chocolate Company, Wilkes-Barre, Pa., and Suffolk, Va. Planters Peanut Jumbo Block. For Peanut Bars. 48,869; Feb. 2.
Propho Corporation, Chicago, Ill. Propho—a Scientifically Prepared Venereal Disease Preventative. For a Scientifically Prepared Venereal Disease Preventative. 48,870; Feb. 2.
Pure Milk Cheese Co., Elgin, Ill. Gold-N-Rich. For Cheese. 48,871; Feb. 2.
Reardon, William L., Peoria, Ill. Grafize. For Powdered Graphite. 48,872; Feb. 2.
Red Star Yeast & Products Company, Milwaukee, Wis. Kitchen-Pak Fresh Compressed Yeast. For Compressed Yeast. 48,873; Feb. 2.
Roma Bakery, Kansas City, Mo. Aviation Milk Flavored Bread. For Bread. 48,874; Feb. 2.
Rose, L., & Co., Ltd., Bloomfield, N. J. Rose's Lime Juice—Sweetened. For Lime Juice. 48,875; Feb. 2.
Rubenstein's, Mrs., Food Products Corporation, Chicago, Ill. Mrs. Rubenstein's—Ready to Serve. For Barley and Mushroom Soup. 48,876; Feb. 2.
Salerno-Megowen Biscuit Company, Chicago, Ill. Salerno Butter Krakers. For Butter Crackers. 48,877; Feb. 2.
Samuels, T. W., Distillery, Inc., Deatsville, Ky., and Cincinnati, Ohio. T. W. Samuels Straight Bourbon Whiskey. For Straight Bourbon Whiskey. 48,878; Feb. 2.
Schutter-Johnson Candy Corporation, Chicago, Ill. Fight Fan. For Candy Bars. 48,879; Feb. 2.
Shoff, Clarence H., doing business as Shoff Fishing Tackle Co., Kent, Wash. Fish Hawk. For Snelled Fish-Hooks. 48,880; Feb. 2.
Shoff, Clarence H., doing business as Shoff Fishing Tackle Co., Kent, Wash. Viking Perfect. For Hollow Point Forged Snelled Fish-Hooks. 48,881; Feb. 2.
Spaulding Bakeries, Incorporated, doing business as Spaulding Bakeries, Binghamton, N. Y. Whole Wheat. For Bread. 48,882; Feb. 2.
Standard Coffee & Tea Mills. (See Jacklin, Peter H.)
Superior Canning Co. Incorporated, Avondale, Pa. Superior. For Mushrooms. 48,883; Feb. 2.
Superior Canning Co. Incorporated, Avondale, Pa. Wagner's. For Mushrooms. 48,884; Feb. 2.
Taylor, Charles J., Santa Monica, Calif. Taylor's All-in-One Spiced Seasoning. For Spiced Seasoning for Meats and Poultry. 48,885; Feb. 2.
Tru-Mex Products Company. (See Dominguez, Jo I.)
Valmor Products Company. (See Neumann, Morton G.)
Vita Products Inc., Zeeland, Mich. Nepter. For Dehydrated Kelp Fortified with Cod Liver Oil Vitamin. 48,886; Feb. 2.
Volcrit Company, The. (See Volkmann, Elmer O.
Volkmann, Elmer O., doing business as The Volcrit Company, Milwaukee, Wis. Volcrit. For Preparation Recommended for Treatment of Athlete's Foot, and Common Ringworm Infection of Hands and Feet. 48,887; Feb. 2.
Washington Furniture Manufacturing Company, Seattle, Wash. Washingon Craftsmen. For Upholstered Furniture. 48,888; Feb. 2.
Yale Drug Co., Inc., New York, N. Y. Certified Prescription. For Prescriptions. 48,889; Feb. 2.
Yale Products Inc., New York, N. Y. Supreme Quality—a Yale Product. For Pure Norwegian Cod Liver Oil Fortified with Natural Vitamin D. 48,890; Feb. 2.

LIST OF REGISTRANTS OF PRINTS

American Furniture Sales Co., Cleveland, Ohio. Look Into This. For Stockings. 16,067; Feb. 2.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Nuts 2U. For Nuts. 16,026; Feb. 2.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Price List on Some of My Stuff. For Candy and Nuts. 16,027; Feb. 2.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. The Truth About Walnuts. For Walnuts. 16,028; Feb. 2.
Balster, Albert, doing business as Balster, and Comptodesk, Chicago, Ill. Comptodesk. For Comptometer Desks. 16,029; Feb. 2.
Beech-Nut Packing Company, Canajoharie, N. Y. A Souvenir from Beech-Nut. For Foods. 16,030; Feb. 2.
Comptodesk. (See Balster, Albert.)
Cream of Wheat Corporation, The, Minneapolis, Minn. Grow, Baby, Grow! For Wheat Breakfast Food. 16,031; Feb. 2.

Cream of Wheat Corporation, The, Minneapolis, Minn. Sleep Tight, Little Lady! For Wheat Breakfast Food. 16,032; Feb. 2.
General Chemical Company, New York, N. Y. Life History and Metamorphosis of Plum Curculio. For Arsenate of Lead Used for Peach Insect and Disease Control. 16,033; Feb. 2.
General Chemical Company, New York, N. Y. Life History and Metamorphosis of Cotton Boll Weevil. For Calcium Arsenate Used for Cotton Boll Weevil Control. 16,034; Feb. 2.
General Mills, Inc., Minneapolis, Minn. Winter . . . Summer . . . The Whole Year Round. For Cereal Food. 16,035; Feb. 2.
Gregory Ink Co., Los Angeles, Calif. Enjoy this Writing Thrill. For Writing Sets. 16,036; Feb. 2.
Hills Bros., San Francisco, Calif. Times May Change . . . But Fifty-Eight Years of Unvarying Quality Leadership is Your Assurance of This. For Coffee. 16,037; Feb. 2.
Hills Bros., San Francisco, Calif. Times May Change . . . But True Ideals Need Never Change. For Coffee. 16,038; Feb. 2.
Hills Bros., San Francisco, Calif. Fifty-Eight Years Ago Hills Bros. Started to Roast and Pack the Finest Coffee Obtainable. For Coffee. 16,039; Feb. 2.
Hills Bros., San Francisco, Calif. For Fifty-Eight Years, Ever Since Hills Bros. Coffee Was First Roasted and Packed. For Coffee. 16,040; Feb. 2.
Hills Bros., San Francisco, Calif. Times May Change . . . But Fifty-Eight Years of Unvarying Quality Leadership is Your Assurance of This. For Coffee. 16,041; Feb. 2.
Hills Bros., San Francisco, Calif. Times May Change . . . But True Ideals Need Never Change. For Coffee. 16,042; Feb. 2.
Hills Bros., San Francisco, Calif. Fifty-Eight Years Ago Hills Bros. Started to Roast and Pack the Finest Coffee Obtainable. For Coffee. 16,043; Feb. 2.
Hills Bros., San Francisco, Calif. For Fifty-Eight Years Hills Bros. Have Steadfastly Maintained a Tradition of Unchanging Quality in Roasting and Packing. For Coffee. 16,044; Feb. 2.
Hills Bros., San Francisco, Calif. At the End of Every Meal. For Coffee. 16,045; Feb. 2.
Hills Bros., San Francisco, Calif. For Fifty-Eight Years Hills Bros. Have Been Roasting and Packing The Finest Coffee Obtainable. For Coffee. 16,046; Feb. 2.
Hills Bros., San Francisco, Calif. Fifty-Eight Years Ago News Traveled Slowly, by Word-of-Mouth. For Coffee. 16,047; Feb. 2.
Hills Bros., San Francisco, Calif. Fifty-Eight Years Ago Hills Bros. Coffee Became the Favorite of Those Who Wanted the Finest in Coffee. For Coffee. 16,048; Feb. 2.
Hills Bros., San Francisco, Calif. For Fifty-Eight Years Hills Bros. Have Maintained a Tradition of Superb and Unvarying Quality. For Coffee. 16,049; Feb. 2.
Interwoven Stocking Company, New Brunswick, N. J. For Christmas—Interwoven. For Socks. 16,050; Feb. 2.
Johnston, Robert A., Company, Milwaukee, Wis. Chocolate Flavored Sunshine Vitamin-D Drink. For a Chocolate Flavored Drink. 16,051; Feb. 2.
Johnston, Robert A., Company, Milwaukee, Wis. Johnston Chocolate Flavored Sunshine Vitamin-D Drink. For a Chocolate Flavored Drink. 16,052; Feb. 2.
Johnston, Robert A., Company, Milwaukee, Wis. Chocolate Flavored Sunshine Vitamin-D Drink. For a Chocolate Flavored Drink. 16,053–4; Feb. 2.
Landers, Joseph W., Chattanooga, Tenn. Oliver Outlet. For Electric Outlets or Plugs. 16,055; Feb. 2.
Musebeck Shoe Company, Danville, Ill. "Go Out Tonite? With my Feet . . . I'd Die!" Why You Should Wear Health Spot Shoes for Real Foot Comfort, Why You Suffer With Corns, Bunions, Callouses. For Shoes. 16,056; Feb. 2.
Nestle's Milk Products, Inc., New York, N. Y. Let's Make a Darn Good Wish. For Milk Products. 16,057; Feb. 2.
Premier-Pabst Corporation, Peoria Heights, Ill. So Much More Flavor When You Say—Pabst, Ad 4361. For Beer. 16,058; Feb. 2.
Royal Milling Company, Minneapolis, Minn. Which is Better Economy? For Flour. 16,059; Feb. 2.
Royal Milling Company, Minneapolis, Minn. Don't Throw Dollars to the Chickens to Try to Save a Few Cents on Flour. For Flour. 16,060; Feb. 2.
Scraper, Earl F., Wichita, Kans. Be Happy, Go Lucky! For Cigarettes and Tobacco. 16,061; Feb. 2.
Thompson, P. B. and E. N., Naugatuck, Conn. Hi-Hat. For Hat-Rests. 16,062; Feb. 2.
Washington Furniture Manufacturing Company, Seattle, Wash. Washington Craftsmen. For Upholstered Furniture. 16,063; Feb. 2.
Whitaker-Ruehl Engraving Company, St. Louis, Mo. Exactone. Half-tones. 16,064; Feb. 2.
Whitmore Manufacturing Company, The, Cleveland, Ohio. Whitmore's. For Pressure-Proof Lubricants. 16,065; Feb. 2.
Wrigley, Wm., Jr. Company, Chicago, Ill. Just the Thing for the Children. For Chewing Gum. 16,066; Feb. 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bags and other bags, Transparent cellulose. Union Bag & Paper Corporation. 342,846; Feb. 2; Serial No. 384,018; published Nov. 24, 1936.
Bags, boxes, and containers, Paper. Waltham Bag & Paper Company. 342,960; Feb. 2; Serial No. 383,791; published Nov. 17, 1936.
Bags, Cloth garment and cloth shoe. Al-Lon Manufacturing Co. 342,886; Feb. 2; Serial No. 383,081; published Nov. 24, 1936.
Cartons, Paper dispensing. Federated Mills, Inc. 342,857; Feb. 2; Serial No. 383,290; published Nov. 17, 1936.
Containers and parts thereof and closures therefor. Colt's Patent Fire Arms Manufacturing Company. 342,810; Feb. 2; Serial No. 383,570; published Nov. 17, 1936.
Wrappers and bags, Empty. Joe Lowe Corporation. 342,940; Feb. 2; Serial No. 383,584; published Nov. 17, 1936.

CLASS 3

Handbags. Annette Handbag Co. 342,967; Feb. 2.
Handbags, Ladies'. R. & K. Leather Goods Co. 342,951; Feb. 2; Serial No. 383,648; published Nov. 24, 1936.

CLASS 4

Abrading, lapping, and polishing grains and powders, abrading wheels, abrading papers, etc. Spojené závody pro výrobu karborunda a elektritu akciová společnost (United Carborundum and Electrite Works Co.) 342,875; Feb. 2; Serial No. 381,824; published Nov. 24, 1936.
Bottle washing compound. Diversey Corporation. 342,811; Feb. 2; Serial No. 383,726; published Nov. 24, 1936.
Bottle washing compound. Diversey Corporation. 342,931; Feb. 2; Serial No. 383,727; published Nov. 24, 1936.
Cleanser for general household use. G. M. Lewis Chemical Company. 342,899; Feb. 2; Serial No. 380,954; published Nov. 17, 1936.
Compositions for cleaning, dressing, and polishing sheet materials. Whittemore Bros. Corp. 342,961; Feb. 2; Serial No. 383,339; published Nov. 17, 1936.
Cream, Shaving. J. Donner. 342,812; Feb. 2; Serial No. 381,477; published Nov. 24, 1936.
Soap. McKesson & Robbins, Incorporated. 342,943; Feb. 2; Serial No. 383,777; published Nov. 17, 1936.
Soap, Fluid dry cleaning. Sterling Products Company. 342,957; Feb. 2; Serial No. 383,331; published Nov. 24, 1936.
Soap, Medicated. Stenton Laboratories, Inc. 342,843; Feb. 2; Serial No. 383,602; published Nov. 24, 1936.
Soap, Toilet. Colgate-Palmolive-Peet Company. 342,987; Feb. 2.
Soaps and shaving stick. Les Parfums Chypron Societe Anonyme. 342,905; Feb. 2; Serial No. 382,920; published Nov. 24, 1936.
Solvents for removing oil, tar, etc. Sterling Products Company. 342,877; Feb. 2; Serial No. 383,330; published Nov. 24, 1936.

CLASS 5

Glues and glue bases. G. H. Osgood. 342,945; Feb. 2; Serial No. 383,478; published Nov. 24, 1936.

CLASS 6

Acids and salts in combined powdered form. A. B. Von Sydow. 342,919; Feb. 2; Serial No. 382,780; published Nov. 24, 1936.
Antiseptic floor-dressing. Frederick Disinfectant Co. 116,895; renewed June 5, 1937.
Bromides, Granular effervescent alkaline. Oneva Co. 342,944; Feb. 2; Serial No. 382,673; published Nov. 17, 1936.
Chemical preparation. J. Codispoti. 342,808; Feb. 2; Serial No. 383,719; published Nov. 24, 1936.
Compound containing procaine base, butyl-p-aminobenzoate and benzyl alcohol in almond oil, to produce local anesthesia by injection. Associated Physicians Laboratories, Ltd. 342,924; Feb. 2; Serial No. 382,992; published Nov. 17, 1936.
Cream, Deodorant. J. B. Bender. 342,851; Feb. 2; Serial No. 379,922; published Nov. 17, 1936.
Dentifrices, dental powders, and dental creams, etc. Jerome W. Ephraim, Inc. 342,892; Feb. 2; Serial No. 373,443; published Nov. 3, 1936.
Eau de cologne, lavender water, hair washes, etc. Les Parfums Chypron Societe Anonyme. 342,906; Feb. 2; Serial No. 382,921; published Nov. 24, 1936.

Emulsoid of aluminum hydroxide in distilled water, Palatable. John Wyeth & Brother, Incorporated. 342,962; Feb. 2; Serial No. 383,695; published Nov. 17, 1936.
Hair, skin, dental, and nail preparations. Fall & Fall. 342,932; Feb. 2; Serial No. 382,791; published Nov. 17, 1936.
Inhalant, cold tablets, nasal spray, etc., Bronchial. D. Rosslaw. 342,871; Feb. 2; Serial No. 382,177; published Nov. 24, 1936.
Laxative of herbs, Intestinal. Scientific Food Products Company. 342,910; Feb. 2; Serial No. 382,810; published Nov. 17, 1936.
Laxatives. F. Hoelzel. 342,861; Feb. 2; Serial No. 379,048; published Nov. 24, 1936.
Medicinal preparations for dogs. J. G. MacFarlane. 342,901; Feb. 2; Serial No. 371,817; published Nov. 24, 1936.
Oil, Pharmaceutical. Wm. L. Bristow Laboratories. 342,927; Feb. 2; Serial No. 383,385; published Nov. 24, 1936.
Paraffin-oil used in the treatment of certain named diseases. Owl Drug Company. 112,695; renewed Sept. 19, 1936.
Perfumes. C. W. Davenport. 342,930; Feb. 2; Serial No. 383,572; published Nov. 17, 1936.
Powder, Insect-destroying. H. T. Tompsitt. 116,380; renewed Apr. 24, 1937.
Preparation for catarrh of the stomach, chronic constipation, etc. D. Wróblewski. 342,885; Feb. 2; Serial No. 382,255; published Nov. 24, 1936.
Preparation for cleaning, disinfecting, and deodorizing. P. Saladino. 342,909; Feb. 2; Serial No. 382,490; published Nov. 24, 1936.
Preparations for the hair. Herb-Verdi. 342,938; Feb. 2; Serial No. 383,472; published Nov. 17, 1936.
Shampoo, deodorant, and antiseptic, catnip balls, and sulpho-salve. Humane Society of Baltimore County. 342,897; Feb. 2; Serial No. 383,096; published Nov. 17, 1936.
Shampoo, Oil. Rochelle Products. 342,870; Feb. 2; Serial No. 383,180; published Nov. 17, 1936.
Tonic, General. A. Bernardini. 342,925; Feb. 2; Serial No. 383,500; published Nov. 17, 1936.
Vermifuge for treatment of disorders of poultry, lotion astringent antiseptic for collar and saddle galls; etc., Astringent antiseptic. W. J. Cleveland. 342,807; Feb. 2; Serial No. 371,933; published Nov. 17, 1936.

CLASS 7

Rope, Cotton. Mount Vernon-Woodberry Mills, Incorporated. 114,264; renewed Dec. 5, 1936.

CLASS 9

Firearms and ammunition. "5" Spot Short Range Gun Clubs of America, Inc. 342,858; Feb. 2; Serial No. 382,386; published Nov. 24, 1936.

CLASS 12

Brick units, Building. Concrete Equipment Company. 342,889; Feb. 2; Serial No. 383,006; published Nov. 24, 1936.
Building paper. G. C. Wilkins. 342,986; Feb. 2.
Cedar shakes. Western Cedar Shake Co. 342,964; Feb. 2.
Felt paper for use in building construction. N. P. Easling. 342,891; Feb. 2; Serial No. 383,088; published Nov. 17, 1936.
Roofing, Roll. United States Gypsum Company. 342,915; Feb. 2; Serial No. 370,587; published Nov. 24, 1936.
Tiles. Franklin Pottery, Incorporated. 342,977–9; Feb. 2.
Viscid compounds for use in glazing, etc. Parr Paint & Color Co. 342,869; Feb. 2; Serial No. 380,122; published Nov. 24, 1936.
Weather stripping and made-up porch and window screens. Yardley Screen and Weather Strip Corporation. 342,921; Feb. 2; Serial No. 382,853; published Nov. 24, 1936.

CLASS 13

Metal decorative trim, bindings, edgings, etc. Kinkead Industries, Inc. 342,968; Feb. 2.
Tacks, Carpet and other. Shelton Tack Company. 342,842; Feb. 2; Serial No. 376,500; published Nov. 24, 1936.
Taps and cocks for containers, Telescopic. Phillips Telescopic Taps Limited. 342,838; Feb. 2; Serial No. 378,227; published Nov. 24, 1936.

CLASS 14

Brass, etc., plates and copper and zinc engravers' plates and photo-engravers' copper and zinc. Atlantic Zinc Works, Inc. 342,849; Feb. 2; Serial No. 383,292; published Nov. 17, 1936.
Steel grinding balls and steel rollers used for grinding mills. Kloeckner Steel Corporation. 342,939; Feb. 2; Serial No. 383,773; published Nov. 24, 1936.
Steel in bars, billets, and shapes. Carpenter Steel Company. 342,971–6; Feb. 2.
Wire. Northwestern Barb Wire Company. 342,830; Feb. 2; Serial No. 383,541; published Nov. 17, 1936.
Wire. Northwestern Barb Wire Company. 342,831; Feb. 2; Serial No. 383,543; published Nov. 17, 1936.

CLASS 15

Oil, Lubricating. Sinclair Refining Company. 342,955; Feb. 2; Serial No. 383,372; published Nov. 24, 1936.
Oil, Lubricating. Socony-Vacuum Oil Company. 342,956; Feb. 2; Serial No. 383,453; published Nov. 24, 1936.
Oils and greases. Halstead Products Co. 342,985; Feb. 2.
Oils and greases, Lubricating. Georgia-Carolina Oil Company. 342,935; Feb. 2; Serial No. 383,732; published Nov. 24, 1936.
Oils and greases, Lubricating. McAlester Fuel Company. 342,902; Feb. 2; Serial No. 381,079; published Nov. 24, 1936.
Oils, greases, and gasoline. Gladee Oil Company. 342,894; Feb. 2; Serial No. 368,777; published Nov. 24, 1936.
Petroleum products. Cities Service Oil Company. 342,887; Feb. 2; Serial No. 381,151; published Nov. 24, 1936.

CLASS 16

Paint and varnish remover. Valentine & Company. 342,917; Feb. 2; Serial No. 381,294; published Nov. 24, 1936.
Paint enamel. Valentine & Company. 342,918; Feb. 2; Serial No. 381,297; published Nov. 24, 1936.
Paint enamels, varnishes, paint primers, etc. Sinclair Refining Company. 342,874; Feb. 2; Serial No. 379,403; published Nov. 17, 1936.
Paints, varnishes, enamel paint, etc. Kor-Kor Paint Company. 342,865; Feb. 2; Serial No. 383,194; published Nov. 17, 1936.

CLASS 21

Batteries, Automobile storage. Federal Storage Battery Co. 342,815; Feb. 2; Serial No. 377,786; published Nov. 24, 1936.
Electric lamp bulbs. F. Sullivan. 342,844; Feb. 2; Serial No. 352,749; published Nov. 24, 1936.
Radio receiving sets, generators, and storage batteries. Republic Electric Manufacturing Company. 342,952; Feb. 2; Serial No. 375,599; published Nov. 24, 1936.

CLASS 22

Amusement apparatus, Coin controlled. Exhibit Supply Company. 342,814; Feb. 2; Serial No. 383,879; published Nov. 17, 1936.
Game, Board. Wealth, Unlimited. 342,847; Feb. 2; Serial No. 384,021; published Nov. 24, 1936.
Game, Card. L. T. Darrin. 342,855; Feb. 2; Serial No. 383,161; published Nov. 24, 1936.
Golf balls. P. Herbert Jr. 342,819; Feb. 2; Serial No. 382,055; published Nov. 24, 1936.
Sleds, Coaster. Standard Novelty Works. 342,912; Feb. 2; Serial No. 382,843; published Nov. 17, 1936.

CLASS 24

Ironing tables, Folding. Saginaw Manufacturing Co. 342,953–4; Feb. 2; Serial Nos. 383,646–7; published Nov. 17, 1936.
Laundry washing machines. R. B. La Porte. 342,825; Feb. 2; Serial No. 383,887; published Nov. 24, 1936.
Net containers for use in laundry establishments. Tingue, Brown & Co. 342,845; Feb. 2; Serial No. 383,904; published Nov. 17, 1936.

CLASS 26

Eyeglasses and spectacles and parts thereof. E. Kirstein Sons Co. 113,746; renewed Oct. 31, 1936.

CLASS 28

Pearls. W. T. Grant Company. 342,988; Feb. 2.

CLASS 29

Powder puffs. Hollywood Powder Puff Co. Inc. 342,896; Feb. 2; Serial No. 383,059; published Nov. 17, 1936.

CLASS 31

Refrigerated display cases, refrigerators. C. V. Hill & Company. 342,821; Feb. 2; Serial No. 382,056; published Nov. 24, 1936.

CLASS 32

Table-tops. Enamel Products Company. 116,830; renewed May 29.

CLASS 33

Glass and glass sheets. Fourco Glass Company. 342,969; Feb. 2.

CLASS 34

Burners, Oil. Pioneer Manufacturing Company. 342,839; Feb. 2; Serial No. 376,301; published Nov. 24, 1936.

CLASS 35

Packing rings, Heat insulating. Seal Zit Corporation. 342,980; Feb. 2.
Piston packing rings. Power Tite Piston Ring Company. 342,982; Feb. 2.

CLASS 37

Garment accessories for garment manufacturers and laundries. J. W. Steele & Co. 342,990; Feb. 2.
Garment holding means. J. W. Steele & Co. 342,989; Feb. 2.
Paper, Wrapping. Blake, Moffitt & Towne. 342,983; Feb. 2.

CLASS 38

Books, circulars, advertising matter, etc. A. B. Collins. 342,888; Feb. 2; Serial No. 380,552; published Nov. 17, 1936.
Cartoon and comic strips. R. L. (Rube) Goldberg. 342,817; Feb. 2; Serial No. 383,527; published Nov. 24, 1936.
Columns, Humorous. G. A. Burns. 342,928; Feb. 2; Serial No. 374,922; published Nov. 24, 1936.
Newspaper comic strips. L. Byrnes. 342,854; Feb. 2; Serial No. 382,421; published Nov. 17, 1936.
Pamphlets, Printed. M. S. Taylor. 342,914; Feb. 2; Serial No. 374,218; published June 30, 1936.
Periodical. Institution Publications, Inc. 342,823; Feb. 2; Serial No. 383,624; published Nov. 24, 1936.
Periodical. Irish Review, Inc. 342,862; Feb. 2; Serial No. 383,211; published Nov. 24, 1936.
Periodical. Iron and Steel Publishing Co. 342,898; Feb. 2; Serial No. 383,023; published Nov. 17, 1936.
Photographs. Universal Fotostatue Company. 342,916; Feb. 2; Serial No. 373,272; published Nov. 17, 1936.
Publication. Gulf Oil Corporation. 342,818; Feb. 2; Serial No. 382,792; published Nov. 17, 1936.
Publication, Monthly. Schenley Research Institute, Inc. 342,841; Feb. 2; Serial No. 383,487; published Nov. 24, 1936.
Sheets of a periodical nature, Pattern release. Needlecraft Service Inc. 342,981; Feb. 2.

CLASS 39

Shoes. Stacks Shoe Company. 342,970; Feb. 2.

CLASS 40

Buttons. Lindenhurst Manufacturing Co. 116,436; renewed May 1, 1937.

CLASS 42

Blankets. North Star Woolen Mill Company. 342,904; Feb. 2; Serial No. 367,800; published Nov. 24, 1936.
Cloth, Desert. Winne & Sutch Company. 342,884; Feb. 2; Serial No. 382,192; published Nov. 24, 1936.
Piece goods. Siegel Bros. Kiki Maid Coats Inc. 342,873; Feb. 2; Serial No. 383,233; published Nov. 24, 1936.
Piece goods. Worcester Knitting Company. 342,966; Feb. 2.
Pile fabrics in the piece. Sidney Blumenthal & Co. Inc. 342,852; Feb. 2; Serial No. 366,137; published Nov. 24, 1936.
Sheets and pillow cases. Sachs Brothers. 342,840; Feb. 2; Serial No. 383,823; published Nov. 24, 1936.
Silk and synthetic fabrics. Mallinson Fabrics Corporation. 342,942; Feb. 2; Serial No. 383,509; published Nov. 24, 1936.
Textile fabrics. Lorraine Manufacturing Company. 342,900; Feb. 2; Serial No. 373,696; published Nov. 24, 1936.
Woolen piece goods. Botany Worsted Mills. 342,926; Feb. 2; Serial No. 383,384; published Nov. 24, 1936.
Woolen piece goods. Forstmann Woolen Co. 342,933; Feb. 2; Serial No. 383,520; published Nov. 24, 1936.
Woolen piece goods. Forstmann Woolen Co. 342,934; Feb. 2; Serial No. 383,522; published Nov. 24, 1936.
Woolen piece goods. William H. Prendergast Company. 342,947; Feb. 2; Serial No. 383,687; published Nov. 24, 1936.

CLASS 43

Yarns. J. and J. Baldwin and Partners, Limited. 116,273; renewed Apr. 24, 1937.

CLASS 44

Alloys for artificial dentures, artificial dentures, dental bridges, etc. Sody and Meyer J. Salabes. 342,872; Feb. 2; Serial No. 382,282; published Nov. 24, 1936.

CLASS 45

Beverage and sirup and extract for making the same. Lithiated lemon. J. Goldhaber. 342,936; Feb. 2; Serial No. 383,770; published Nov. 24, 1936.
Beverages. J. Louis. 342,827; Feb. 2; Serial No. 383,812; published Nov. 24, 1936.
Beverages and sirups and extracts for making the same. M. F. MacAlpine. 342,941; Feb. 2; Serial No. 383,775; published Nov. 24, 1936.
Beverages and syrups and extracts used in making the same. Charles Meisezahl Mfg. Co. 342,903; Feb. 2; Serial No. 381,129; published Nov. 24, 1936.
Beverages in syrup form, Concentrated. Hewlett Bros. Company. 342,820; Feb. 2; Serial No. 382,718; published Nov. 24, 1936.
Drink and for a mixer with gin, rum, etc., Soft. Silver Seal Products, Inc. 342,965; Feb. 2.
Fruit juices and flavoring extracts for alcoholic liquors. Mil-Hone Products Co. 342,866–7; Feb. 2; Serial Nos. 382,437–8; published Nov. 24, 1936.
Fruit juices and flavoring extracts for alcoholic liquors. Mil-Hone Products Co. 342,868; Feb. 2; Serial No. 382,440; published Nov. 24, 1936.

CLASS 46

Apples and pears, Fresh. Pacific Northwest Fruits, Inc. 342,834; Feb. 2; Serial No. 381,859; published Nov. 24, 1936.
Apples, Fresh. Appalachian Apples, Inc. 342,848; Feb. 2; Serial No. 383,291; published Nov. 17, 1936.
Apples, Fresh. Pacific Northwest Fruits, Inc. 342,833; Feb. 2; Serial No. 381,546; published Nov. 17, 1936.
Beans, Dried. Judson Michigbean Company. 114,166; renewed Dec. 5, 1936.
Beverages. Wellston Bottling Works, Inc. 342,883; Feb. 2; Serial No. 383,114; published Nov. 24, 1936.
Bread. Grocers Baking Company. 342,860; Feb. 2; Serial No. 366,659; published Sept. 17, 1935.
Candy. Barricini, Inc. 342,850; Feb. 2; Serial No. 380,435; published Sept. 8, 1936.
Canned fish. Sun Harbor Packing Corp. 342,879; Feb. 2; Serial No. 383,186; published Nov. 17, 1936.
Canned fruits, canned fruit juices. Hawaiian Pineapple Company, Ltd. 342,937; Feb. 2; Serial No. 383,340; published Nov. 24, 1936.
Canned tuna flakes, bonita and yellowtail. Sun Harbor Packing Corp. 342,878; Feb. 2; Serial No. 383,187; published Nov. 17, 1936.
Canned vegetables. Lifex Food Products Company. 342,826; Feb. 2; Serial No. 376,436; published Nov. 17, 1936.
Cereal, Breakfast. Sioux Falls Cereal Company. 342,911; Feb. 2; Serial No. 383,105; published Nov. 24, 1936.
Cereals, Cheese flavored expanded. Cereal Confections Products Company. 342,806; Feb. 2; Serial No. 381,556; published Nov. 24, 1936.
Chocolate powder used as a dessert, Maltless. General Desserts Corporation. 342,816; Feb. 2; Serial No. 383,881; published Nov. 24, 1936.
Coffee, tea, spices, etc. Boyd Tea Company. 342,853; Feb. 2; Serial No. 378,423; published Nov. 24, 1936.
Crackers or biscuits, Soda. Hampton Cracker Company. 342,984; Feb. 2.
Doughnuts. H. E. Mellstrup. 342,829; Feb. 2; Serial No. 378,370; published Nov. 24, 1936.
Enzymic preparation. Jaques Wolf & Company. 342,920; Feb. 2; Serial No. 382,852; published Nov. 24, 1936.
Flour. Collin County Mill & Elevator Co. 342,809; Feb. 2; Serial No. 383,985; published Nov. 24, 1936.
Flour. Parker Grocery Company. 342,946; Feb. 2; Serial No. 382,927; published Nov. 24, 1936.
Flour for baking purposes, Soya. Superior Brands Inc. 342,880; Feb. 2; Serial No. 379,281; published Nov. 17, 1936.
Flour, Wheat. Pillsbury Flour Mills Company. 342,948–50; Feb. 2; Serial Nos. 383,634–6; published Nov. 17, 1936.
Food, Dog. Allied Mills, Inc. 342,922; Feb. 2; Serial No. 383,711; published Nov. 24, 1936.
Food, Poultry. Russia Cement Company. 117,062; renewed June 12, 1937.
Fruits, Fresh citrus. R. D. Keene, Inc. 342,863–4; Feb. 2; Serial Nos. 383,312–3; published Nov. 17, 1936.
Honey. Haney Packers, Inc. 342,822; Feb. 2; Serial No. 377,308; published Nov. 24, 1936.
Ice cream. B. L. Stein. 342,876; Feb. 2; Serial No. 383,144; published Nov. 17, 1936.
Jellies. Duffy Mott Co. 342,813; Feb. 2; Serial No. 384,044; published Nov. 24, 1936.
Mayonnaise, salad dressing, cooked chicken, etc. M. L. Graham. 342,859; Feb. 2; Serial No. 380,453; published Nov. 17, 1936.
Milk, ice cream, and dairy products. Iowana Farms Milk Co. 342,824; Feb. 2; Serial No. 381,673; published Nov. 17, 1936.
Milk with egg albumen, Prepared. Nezen Company. 114,531; renewed Dec. 19, 1936.
Molasses yeast product used as a poultry and livestock feed supplement, Dried fermented. U. S. Industrial Alcohol Co. 342,881; Feb. 2; Serial No. 383,276; published Nov. 17, 1936.
Nuts. M. Rosenberg. 342,908; Feb. 2; Serial No. 380,717; published Nov. 17, 1936.
Nuts, rice, and dried vegetables, Shelled and unshelled. Graham Co. Inc. 342,895; Feb. 2; Serial No. 374,714; published Nov. 17, 1936.
Olives, fruit preserves, jellies, etc. Weideman Company. 342,882; Feb. 2; Serial No. 382,252; published Nov. 24, 1936.
Pate de foies gras. Fabrique de Pates de Foies Gras. Edouard Artzner. 342,856; Feb. 2; Serial No. 380,448; published Nov. 24, 1936.
Pie-crust, Prepared. Continental Mills, Inc. 342,890; Feb. 2; Serial No. 372,188; published Nov. 17, 1936.
Rice. Kaplan Rice Mill, Inc. 342,963; Feb. 2.
Shortening compound. Hauser Packing Co. 110,045; renewed May 2, 1936.
Shortening of blended animal fats. F. G. Vogt & Sons, Inc. 342,959; Feb. 2; Serial No. 382,971; published Nov. 24, 1936.
Syrup, mincemeat, and canned pork and beans, Table. Pocahontas Grocer Company. 342,907; Feb. 2; Serial No. 380,882; published Nov. 24, 1936.

Vegetables, Fresh. Lester Stirling Co. 342,913; Feb. 2; Serial No. 381,078; published Nov. 24, 1936.
Vegetables, Fresh. F. T. McElroy. 342,828; Feb. 2; Serial No. 376,480; published June 16, 1936.

CLASS 47

Wines. Johannes A. Petersen & Co. 342,835; Feb. 2; Serial No. 342,489; published Nov. 24, 1936.
Wines. Johannes A. Petersen & Co. 342,836–7; Feb. 2; Serial Nos. 346,924–5; published Nov. 24, 1936.

CLASS 48

Ale. Free State Brewery Corporation. 342,893; Feb. 2; Serial No. 383,057; published Nov. 24, 1936.
Beer. Arizona Brewing Company. 342,805; Feb. 2; Serial No. 383,712; published Nov. 24, 1936.
Beer. Central Breweries, Inc. 342,929; Feb. 2; Serial No. 383,518; published Nov. 24, 1936.
Beer. Tivoli Brewing Company. 342,958; Feb. 2; Serial No. 383,657; published Nov. 24, 1936.
Beer, Lager. Anheuser-Busch, Incorporated. 342,923; Feb. 2; Serial No. 383,458; published Nov. 24, 1936.

CLASS 49

Whiskey, gin, rum, etc. Nussbaum Liquor Store, Inc. 342,832; Feb. 2; Serial No. 382,133; published Nov. 10, 1936.
Whisky. Stein Brothers. 116,374; renewed Apr. 24, 1937.

LIST OF LABELS

Acampa. For Wines. Pacific Can Company. 48,866; Feb. 2.
Ace High. For New Car Polish. Ace High Products Company. 48,879; Feb. 2.
Ada Milling Co. Corn Meal; (Blue and White Polka Dot Pattern). For Corn Meal. Ada Milling Company. 48,799; Feb. 2.
Ada Milling Co. Corn Meal; (Maroon and Blue Block Pattern with White Background). For Corn Meal. Ada Milling Company. 48,798; Feb. 2.
Ada Milling Co. Corn Meal; (Multiple Colored Floral Design with White Background). For Corn Meal. Ada Milling Company. 48,797; Feb. 2.
Ada Milling Co. Corn Meal; (Nursery Pattern with White Dots and Pink Background). For Corn Meal. Ada Milling Company. 48,795; Feb. 2.
Ada Milling Co. Corn Meal; (Red and White Leaf Pattern with Blue Background). For Corn Meal. Ada Milling Company. 48,801; Feb. 2.
Ada Milling Co. Corn Meal; (Red Disk, Blue Circle and White Checkered Pattern). For Corn Meal. Ada Milling Company. 48,794; Feb. 2.
Ada Milling Co. Corn Meal; (Red, White and Blue Checkered Pattern) For Corn Meal. Ada Milling Company. 48,803; Feb. 2.
Ada Milling Co. Corn Meal; (Very Small Lavender and White Checkered Pattern). For Corn Meal. Ada Milling Company. 48,796; Feb. 2.
Ada Milling Co. Flour; (Blue and White Stripes). For Flour. Ada Milling Company. 48,790; Feb. 2.
Ada Milling Co. Flour; (Brown, Green and White Varied Sized Blocks). For Flour. Ada Milling Company. 48,791; Feb. 2.
Ada Milling Co. Flour; (Gray and White Stripes with Dots). For Flour. Ada Milling Company. 48,802; Feb. 2.
Ada Milling Co. Flour; (Multiple Colored Tulips with White Background). For Flour. Ada Milling Company. 48,792; Feb. 2.
Ada Milling Co. Flour; (Nursery Pattern with Lavender Background). For Flour. Ada Milling Company. 48,793; Feb. 2.
Ada Milling Co. Flour; (Red, White and Blue Plaid). For Flour. Ada Milling Company. 48,804; Feb. 2.
Ada Milling Co. Flour; (Varied Colored Dice with White Background). For Flour. Ada Milling Company. 48,800; Feb. 2.
Astringent. For an Astringent. E. B. Looker. 48,848; Feb. 2.
Aviation Milk Flavored Bread. For Bread. Roma Bakery. 48,874; Feb. 2.
Bakerite 140. For Vegetable Shortening. Bakerite Corporation. 48,807; Feb. 2.
Banquet (McCormick's) Orange Pekoe Tea. For Orange Pekoe Tea. McCormick & Co. 48,852; Feb. 2.
Beech-Nut Vegetarian Beans. For Beans. Beech-Nut Packing Company. 48,808; Feb. 2.
Big Ten. For Straight Whiskey. Siegfried Loewenthal Company. 48,847; Feb. 2.
Brown Crock. For Baked Beans. Continental Foods Corporation. 48,819; Feb. 2.
Burry's Dickens Character Assortment English Style Biscuits. For English Style Biscuits. Burry Biscuit Corporation. 48,810; Feb. 2.
C & G Old Reserve Straight Bourbon Whiskey. For Straight Bourbon Whiskey. Chapin & Gore, Inc. 48,815; Feb. 2.
Carbona Soapless Household Lather. For a Concentrated Cleaning Preparation. Carbona Products Company. 48,812; Feb. 2.
Carbona Soapless Suds. For a Concentrated Cleaning Preparation. Carbona Products Company. 48,813; Feb. 2.
Cera-Lac a Natural Food With a Laxative Effect. For a Prepared Food with a Laxative Effect. Cera-Lac Company. 48,814; Feb. 2.
Certified Prescription. For Prescriptions. Yale Drug Co. 48,889; Feb. 2.
Cute-Asepto Powder. For a General Surgical Dusting Powder. Hart Drug Corporation. 48,837; Feb. 2.
Dant Club. For Straight Bourbon Whiskey. Dant & Head Distilling Company. 48,822; Feb. 2.
Dant & Head Reserve. For Kentucky Straight Bourbon Whiskey. Dant & Head Distilling Company. 48,824; Feb. 2.
Dant Special. For Kentucky Straight Bourbon Whiskey. Dant & Head Distilling Company. 48,823; Feb. 2.
Drum Major. For Scotch Whisky. McGregor, Scott & Co. Ltd. 48,853; Feb. 2.
Fellow Fashion Clothes. For Clothes. Bloch Company. 48,809; Feb. 2.
Fight Fan. For Candy Bars. Schutter-Johnson Candy Corporation. 48,879; Feb. 2.
Fish Hawk. For Snelled Fish-Hooks. C. H. Shoff. 48,880; Feb. 2.
Fleischer's Controlled Quality Mercerized Thread. For Mercerized Thread. I. Fleischer & Sons. 48,827; Feb. 2.
G. Q. For Canned Pears. Food Associates, Inc. 48,829; Feb. 2.
Glan-Glo. For Gland Tablets. D. F. S. Laboratories, Inc. 48,821; Feb. 2.
Glover's Imperial Ointment for Sarcoptic Mange. For an Ointment for Sarcoptic Mange and Minor Irritations of the Skin. H. Clay Glover Co. 48,836; Feb. 2.
Gold-N-Rich. For Cheese. Pure Milk Cheese Co. 48,871; Feb. 2.
Grafize. For Powdered Graphite. W. L. Reardon. 48,872; Feb. 2.
Heinie's. For Beer. Hillsboro Brewing Company. 48,841; Feb. 2.
Hills Bros. Coffee. For Coffee. Hills Bros. 48,840; Feb. 2.
Hostess Package. For Foods. Menasha Products Company. 48,855; Feb. 2.
Imported and Domestic Smoking Mixture. For Smoking Tobacco. E. C. Cannon. 48,811; Feb. 2.
Jolly Time Giant Yellow Pop Corn. For Pop Corn. American Pop Corn Company. 48,805; Feb. 2.
Kentucky Vat. For Kentucky Straight Bourbon Whiskey. Ivan P. Florsheim Company. 48,828; Feb. 2.
Kitchen-Pak Fresh Compressed Yeast. For Compressed Yeast. Red Star Yeast & Products Company. 48,873; Feb. 2.
Klox. For a Compound for Making a Cleaning Solution. Domestic Products, Inc. 48,825; Feb. 2.
L. B. Foaming Oil Shampoo. For Shampoo. L. B. Laboratories, Inc. 48,844; Feb. 2.
L. B. Hair Oil. For Hair Oil. L. B. Laboratories, Inc. 48,843; Feb. 2.
L. B. Permanent Wave Oil. For Permanent Wave Oil. L. B. Laboratories, Inc. 48,845; Feb. 2.
Lucky Brown Cocoanut Oil Shampoo. For Cocoanut Oil Shampoo. M. G. Neuman. 48,865; Feb. 2.
Majestic Cans. For Cans. Majestic Can Corporation. 48,850; Feb. 2.
Mead's Powdered Lactic Acid Milk (Whole Milk Cultured). For Powdered Lactic Acid Milk. Mead Johnson & Company. 48,854; Feb. 2.
Miss U. S. A. Purs-pak Hair Nets. For Hair Nets. H. A. Loeb & Co. 48,846; Feb. 2.
Mounds. For Chocolate and Coconut Confection. Peter Paul, Inc. 48,868; Feb. 2.
Mrs. Rubenstein's—Ready to Serve. For Barley and Mushroom Soup. Mrs. Rubenstein's Food Products Corporation. 48,876; Feb. 2.
Nepter. For Dehydrated Kelp Fortified with Cod Liver Oil Vitamin. Vita Products Inc. 48,886; Feb. 2.
$1000.00 Guaranteed Enamel Cleaner. For a Powder for Cleaning Enameled Surfaces. B. Heller & Company. 48,838; Feb. 2.
Orange Pekoe Tea. For Orange Pekoe Tea. Germania Tea Company. 48,835; Feb. 2.
Parker-Kalon Modern Fastening Devices. For Fastening Devices. Parker-Kalon Corporation. 48,867; Feb. 2.
Pay Cola. For a Beverage. M. F. MacAlpine. 48,849; Feb. 2.
Planters Peanut Jumbo Block. For Peanut Bars. Planters Nut & Chocolate Company. 48,869; Feb. 2.
Plus. For Canned Orange Juice. Citrus Products, Inc. 48,817; Feb. 2.
Pride O' Plains. For Butter. Nebraska Cooperative Creameries, Inc. 48,858; Feb. 2.
Propho—a Scientifically Prepared Venereal Disease Preventative. For a Scientifically Prepared Venereal Disease Preventative. Propho Corporation. 48,870; Feb. 2.

Radiant E-Z Wood. For a Plastic and Pliable Material for Repairing Picture Frames, Cracks in Woodwork, Floors, Furniture, Utensils, Grafting and Other Uses. Midway Chemical Co. 48,856; Feb. 2.
Red Apple Brand Eggs. For Eggs. Applegate Creamery. 48,806; Feb. 2.
Rose's Lime Juice—Sweetened. For Lime Juice. L. Rose & Co., Ltd. 48,875; Feb. 2.
Salerno Butter Krakers. For Butter Crackers. Salerno-Megowen Biscuit Company. 48,877; Feb. 2.
Samson Ale. For Ale. Forest City Brewery, Inc. 48,830; Feb. 2.
Senate Beer. For Bottled Beer. Chr. Heurich Brewing Co. 48,839; Feb. 2.
Sgt. Jiggs—a Scientific Shampoo for Dogs. For a Shampoo for Dogs. Chevron Laboratories. 48,816; Feb. 2.
Special Imported and Domestic Smoking Blend. For Smoking Tobacco. Crimson Coach, Inc. 48,820; Feb. 2.
Standard Staples. For Standard Staples. Markwell Manufacturing Company. 48,851; Feb. 2.
Superior. For Mushrooms. Superior Canning Co. Incorporated. 48,883; Feb. 2.
Supreme Quality—a Yale Product. For Pure Norwegian Cod Liver Oil Fortified with Natural Vitamin D. Yale Products Inc. 48,890; Feb. 2.
Sweet Georgia Brown Bath Oil. For Bath Oil. M. G. Neumann. 48,861; Feb. 2.
Sweet Georgia Brown Face Powder. For Face Powder. M. G. Neumann. 48,862; Feb. 2.
Sweet Georgia Brown Hair Perfume. For Hair Perfume. M. G. Neumann. 48,860; Feb. 2.
Sweet Georgia Brown Skin Tonic. For Skin Tonic. M. G. Neumann. 48,859; Feb. 2.
T. W. Samuels Straight Bourbon Whiskey. For Straight Bourbon Whiskey. T. W. Samuels Distillery, Inc. 48,878; Feb. 2.
Taylor's All-In-One Spiced Seasoning. For Spiced Seasoning for Meats and Poultry. C. J. Taylor. 48,885; Feb. 2.
Tea-Room Tea. For Tea. P. H. Jacklin. 48,842; Feb. 2.
The Crawford Shoe Co. Quality Shoes. For Shoes. A. C. Clayton Printing Company. 48,818; Feb. 2.
This Garment is not Returnable after Use. For Bathing Suits. National Knitted Outerwear Association. 48,857; Feb. 2.
Thrif-T-Pack. Gamble Robinson Co. 48,831; Feb. 2.
Thrif-T-Pack. For Apples. Gamble Robinson Co. 48,831; Feb. 2.
Thrif-T-Pack. For Grapefruit. Gamble Robinson Co. 48,833; Feb. 2.
Thrif-T-Pack. For Oranges. Gamble Robinson Co. 48,834; Feb. 2.
Tru-Mex Prepared Chile Colorado. For Red Chile Sauce. J. I. Dominguez. 48,826; Feb. 2.
Valmor Family Liniment. For Liniment. M. G. Neuman. 48,864; Feb. 2.
Van Van Incense Powders. For Incense Powders. M. G. Neumann. 48,863; Feb. 2.
Viking Perfect. For Hollow Point Forked Snelled Fish-Hooks. C. H. Shoff. 48,881; Feb. 2.
Volcrit. For Preparation Recommended for Treatment of Athlete's Foot and Common Ringworm Infection of Hands and Feet. E. O. Volkmann. 48,887; Feb. 2.
Wagner's. For Mushrooms. Superior Canning Co. Incorporated. 48,884; Feb. 2.
Washington Craftsmen. For Upholstered Furniture. Washington Furniture Manufacturing Company. 48,888; Feb. 2.
Whole Wheat. For Bread. Spaulding Bakeries, Incorporated. 48,882; Feb. 2.

LIST OF PRINTS

A Souvenir from Beech-Nut. For Foods. Beech-Nut Packing Company. 16,030; Feb. 2.
At the End of Every Meal. For Coffee. Hills Bros. 16,045; Feb. 2.
Be Happy, Go Lucky! For Cigarettes and Tobacco. E. F. Scraper. 16,061; Feb. 2.
Chocolate Flavored Sunshine Vitamin-D Drink. For a Chocolate Flavored Drink. Robert A. Johnston Company. 16,051; Feb. 2.
Chocolate Flavored Sunshine Vitamin-D Drink. For a Chocolate Flavored Drink. Robert A. Johnston Company. 16,053–4; Feb. 2.
Comptodesk. For Comptometer Desks. A. Balster. 16,029; Feb. 2.
Don't Throw Dollars to the Chickens to Try to Save a Few Cents on Flour. For Flour. Royal Milling Company. 16,060; Feb. 2.
Enjoy this Writing Thrill. For Writing Sets. Gregory Ink Co. 16,036; Feb. 2.
Exactone. For Half-Tones. Whitaker-Ruehl Engraving Company. 16,064; Feb. 2.
Fifty-Eight Years Ago Hills Bros. Coffee Became the Favorite of Those Who Wanted the Finest in Coffee. Hills Bros. 16,048; Feb. 2.
Fifty-Eight Years Ago Hills Bros. Started to Roast and Pack the Finest Coffee Obtainable. For Coffee. Hills Bros. 16,039; Feb. 2.
Fifty-Eight Years Ago Hills Bros. Started to Roast and Pack the Finest Coffee Obtainable. For Coffee. Hills Bros. 16,043; Feb. 2.
Fifty-Eight Years Ago News Traveled Slowly, By Word-of-Mouth. For Coffee. Hills Bros. 16,047; Feb. 2.
For Christmas—Interwoven. For Socks. Interwoven Stocking Company. 16,050; Feb. 2.
For Fifty-Eight Years, Ever Since Hills Bros. Coffee was First Roasted and Packed. For Coffee. Hills Bros. 16,040; Feb. 2.
For Fifty-Eight Years Hills Bros. Have Been Roasting and Packing the Finest Coffee Obtainable. For Coffee. Hills Bros. 16,046; Feb. 2.
For Fifty-Eight Years Hills Bros. Have Maintained a Tradition of Superb and Unvarying Quality. For Coffee. Hills Bros. 16,049; Feb. 2.
For Fifty-Eight Years Hills Bros. Have Steadfastly Maintained a Tradition of Unchanging Quality in Roasting and Packing. For Coffee. Hills Bros. 16,044; Feb. 2.
"Go Out Tonite? With My Feet . . . I'd Die!" Why You Should Wear Health Spot Shoes For Real Foot Comfort, Why You Suffer With Corns, Bunions, Calluses. For Shoes. Musebeck Shoe Company. 16,056; Feb. 2.
Grow, Baby, Grow! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,031; Feb. 2.
Hi-Hat. For Hat-Rests. P. B. and E. N. Thompson. 16,062; Feb. 2.
Johnston Chocolate Flavored Sunshine Vitamin-D Drink. For a Chocolate Flavored Drink. Robert A. Johnston Company. 16,052; Feb. 2.
Just the Thing for the Children. For Chewing Gum. Wm. Wrigley Jr. Company. 16,066; Feb. 2.
Let's Make a Darn Good Wish. For Milk Products. Nestle's Milk Products, Inc. 16,057; Feb. 2.
Life History and Metamorphosis of Cotton Boll Weevil. For Calcium Arsenate Used for Cotton Boll Weevil Control. General Chemical Company. 16,034; Feb. 2.
Life History and Metamorphosis of Plum Curculio. For Arsenate of Lead used for Peach Insect and Disease Control. General Chemical Company. 16,033; Feb. 2.
Look Into This. For Stockings. American Furniture Sales Co. 16,067; Feb. 2.
Nuts 2U. For Nuts. Awful Fresh MacFarlane. 16,026; Feb. 2.
Oliver Outlet. For Electric Outlets or Plugs. J. W. Landers. 16,055; Feb. 2.
Price List on Some of My Stuff. For Candy and Nuts. Awful Fresh MacFarlane. 16,027; Feb. 2.
Sleep Tight, Little Lady! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,032; Feb. 2.
So Much More Flavor When You Say—Pabst. Ad 4361. For Beer. Premier-Pabst Corporation. 16,058; Feb. 2.
The Truth About Walnuts. For Walnuts. Awful Fresh MacFarlane. 16,028; Feb. 2.
Times May Change . . . But Fifty-Eight Years of Unvarying Quality Leadership is Your Assurance of This. For Coffee. Hills Bros. 16,037; Feb. 2.
Times May Change . . . But Fifty-Eight Years of Unvarying Quality Leadership is Your Assurance of This. For Coffee. Hills Bros. 16,041; Feb. 2.
Times May Change . . . But True Ideals Need Never Change. For Coffee. Hills Bros. 16,038; Feb. 2.
Times May Change . . . But True Ideals Need Never Change. For Coffee. Hills Bros. 16,042; Feb. 2.
Washington Craftsmen. For Upholstered Furniture. Washington Furniture Manufacturing Company. 16,063; Feb. 2.
Which is Better Economy? For Flour. Royal Milling Company. 16,059; Feb. 2.
Whitmore's. For Pressure-Proof Lubricants. Whitmore Manufacturing Company. 16,065; Feb. 2.
Winter . . . Summer . . . The Whole Year Round. For Cereal Food. General Mills, Inc. 16,035; Feb. 2.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Nave, Alfred E., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Water cooler. 20,259; Feb. 2.
Pad-Y-Wax Company. (See Weller, William W., assignor.)
Servel Inc. (See Nave, Alfred E., assignor.)
Weller, William W., Chester, N. J., assignor to Pad-Y-Wax Company, Inc. Waxing pad. 20,260; Feb. 2.

LIST OF PLANT PATENTEES

Columbia & Okanogan Nursery Company. (See Perry, Jay, assignor.)
McIlhenny, Edward A., Avery Island, La. Camellia. 231; Feb. 2.
Perry, Jay, Benton County, near Kennewick, Wash., assignor to Columbia & Okanogan Nursery Company, Wenatchee, Wash. Peach tree. 232; Feb. 2.

LIST OF DESIGN PATENTEES

American Chair Company. (See Baum, Albert J., assignor.)
Ashton, Pearl F., Providence, R. I. Buckle. 103,003; Feb. 2.
Bancroft Walker Company. (See Lazar, Lee, assignor.)
Baum, Albert J., assignor to American Chair Company, Sheboygan, Wis. Chair. 102,978; Feb. 2.
Beniston, William J., Seaford, assignor to Julius Kayser & Co., New York, N. Y. Knitted fabric. 102,979; Feb. 2.
Botany Worsted Mills. (See Gaul, John F., Jr., assignor.)
Breakstone, Sidney, New York, N. Y. Textile fabric. 102,980; Feb. 2.
Breakstone, Sidney, New York, N. Y. Textile fabric. 103,061; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,004; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,005; date Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,006; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,007; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,008; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,009; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Creamer or similar article. 103,028; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Sugar bowl or similar article. 103,029; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Teapot or similar article. 103,030; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Jam jar or similar article. 103,031; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Butter tub or similar article. 103,032; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Salt and pepper shaker or similar article. 103,033; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,034; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,035; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,036; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,037; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,038; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,039; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,040; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,041; Feb. 2.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 103,042; Feb. 2.
California Perfume Company. (See Higgins, Frank E., assignor.)
Carlson, Alexander, assignor to Superior Body Company, Lima, Ohio. Rear door hinge and pull assembly for automobiles. 103,043; Feb. 2.
Carolan, Frank, and R. R. Rhoerbaugh, Casper, Wyo. Finger ring. 103,002; Feb. 2.
Casco Products Corporation. (See Cochrane, Bert G., assignor.)
Coca-Cola Company, The. (See Worthington, Everett, assignor.)
Cochrane, Bert G., Chicago, Ill., assignor to Casco Products Corporation, Bridgeport, Conn. Cigar lighter handle. 103,044; Feb. 2.
Coleman, Tora, assignor to Alexander S. Gross, Inc., New York, N. Y. Dress. 103,010; Feb. 2.
Columbian Enameling & Stamping Co. (See Nelson, Andrew W., assignor.)
Crosley Radio Corporation, The. (See Norrish, J. W. and Money, assignors.)
Dazians, Inc. (See Mack, Joseph, assignor.)
Ellis, Arthur R., Cedar Rapids, Iowa. Sign. 103,046; Feb. 2.
Ellis, Robert D., Closter, N. J. Sign. 103,045; Feb. 2.
Emporium, The. (See Kaplan, Walter, assignor.)
Extract, Maurice, New York, N. Y. Dress. 103,062; Feb. 2.
Extract, Maurice, New York, N. Y. Dress. 103,063; Feb 2.
Fear, Ralph G., Los Angeles, Calif. Panorama dolly. 103,077; Feb. 2.
Feinberg, George, New York, N. Y. Textile fabric. 103,064; Feb. 2.
Ferriot Bros. Inc. (See Ferriot, Joseph V., assignor.)
Ferriot, Joseph V., assignor to Ferriot Bros. Inc., Akron, Ohio. Sandal or similar article. 102,981; Feb. 2.
Ferriot, Joseph V., assignor to Ferriot Bros. Inc., Akron, Ohio. Sandal or similar article. 102,982; Feb. 2.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 102,983; Feb. 2.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 102,984; Feb. 2.
Fosgood Corporation. (See Girouard, Albert, assignor.)
Fostoria Glass Company. (See Sakier, George, assignor.)
Fostoria Glass Company. (See Williams, Findley, assignor.)
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 103,065; Feb. 2.
Gaul, John F., Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 102,985; Feb. 2.
Girouard, Albert, assignor to Fosgood Corporation, Leominster, Mass. Side comb. 103,047; Feb. 2.
Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Truck tank. 103,069; Feb. 2.
Gross, Alexander S., Inc. (See Coleman, Tora, assignor.)
Hanson, Eugene I., New York, N. Y. Textile fabric. 102,986; Feb. 2.
Hanson, Eugene I., New York, N. Y. Textile fabric. 103,070; Feb. 2.
Harrison, Monroe, Chicago, Ill. Casing for a fruit mixer. 103,078; Feb. 2.
Higgins, Frank E., assignor to California Perfume Company, Inc., New York, N. Y. Bottle. 103,048; Feb. 2.
Higgins, Frank E., assignor to California Perfume Company, Inc., New York, N. Y. Bottle. 103,049; Feb. 2.
Higgins, Frank E., assignor to California Perfume Company, Inc., New York, N. Y. Jar. 103,050; Feb. 2.
Higgins, Frank E., assignor to California Perfume Company, Inc., New York, N. Y. Bottle. 103,051; Feb. 2.

Hollister Drug Company. (See Oya, J. A., and Larson, assignors.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hurst, Barbara, New York, N. Y. Toilet bottle. 103,011; Feb. 2.
Hurst, Barbara, New York, N. Y. Toilet bottle. 103,012; Feb. 2.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Janes, Richard B., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Sink. 102,987; Feb. 2.
Jordheim, Ole, Pasadena, Calif. Display stand. 103,079; Feb. 2.
Julian & Kokenge Company, The. (See Stock, Otto F., assignor.)
Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 103,066; Feb. 2.
Kayser, Julius, & Co. (See Beniston, William J., assignor.)
Keith, Geo. E., Company. (See Lutz, Albert W., assignor.)
Kennelly, Jeremiah D., Oak Park, Ill., assignor of one-half to E. V. Mars. Signal light. 103,052; Feb. 2.
Kreamer, A., Incorporated. (See Stallings, George W., assignor.)
Kriptal Company, The. (See Smith, Gordon L., assignor.)
Larson, Roy A. (See Oya, J. A., and Larson, assignors.)
Lazar, Lee, New York, N. Y., assignor to Bancroft Walker Company, Waltham, Mass. Shoe. 103,013; Feb. 2.
Lentheric Incorporated. (See McIntosh, Frank, assignor.)
Liberty, Normand P., Farmington, N. H. Shoe. 103,014; Feb. 2.
Liberty, Normand P., Farmington, N. H. Shoe. 103,015; Feb. 2.
Liberty, Normand P., Farmington, N. H. Shoe. 103,016; Feb. 2.
Liberty, Normand P., Farmington, N. H. Shoe. 103,017; Feb. 2.
Liberty, Normand P., Farmington, N. H. Shoe. 103,018; Feb. 2.
Liberty, Normand P., Farmington, N. H. Shoe. 103,019; Feb. 2.
Liberty, Normand P., Farmington, N. H. Shoe. 103,020; Feb. 2.
Lichter, Jesse S., Lawrence, N. Y. Button. 103,021; Feb. 2.
Lippert, Morris, Brooklyn, N. Y. Shoe. 103,022; Feb. 2.
Loewy, Raymond, New York, N. Y., assignor to Sears, Roebuck & Co., Chicago, Ill. Refrigerator. 103,023; Feb. 2.
Loewy, Raymond, New York, N. Y., assignor to Sears, Roebuck & Co., Chicago, Ill. Refrigerator latch. 103,024; Feb. 2.
Loomis, Allen, Elkhart, Ind. Saxophone. 103,025; Feb. 2.
Loomis, Allen, Elkhart, Ind. Saxophone. 103,026; Feb. 2.
Lutz, Albert W., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 103,053; Feb. 2.
Lutz, Albert W., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 103,054; Feb. 2.
Mack, Joseph, Passaic, N. J., assignor to Dazians, Inc., New York, N. Y. Textile fabric. 103,067; Feb. 2.
Magro, Ralph, Jersey City, N. J. Combined revolving clock and lamp. 103,071; Feb. 2.
Maiden Form Brassiere Company. (See Rosenthal, William, assignor.)
Main, Willard F., Cedar Rapids, Iowa. Vending machine cabinet. 103,055; Feb. 2.
Mann, Leo, Providence, R. I. Bottle. 103,056; Feb. 2.
Mars, Ethel V. (See Kennelly, Jeremiah D., assignor.)
Massa, Ralph, New York, N. Y. Bracelet. 102,988; Feb. 2.
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Combined bottle and stopper therefor. 103,080; Feb. 2.
Mendelsohn, Herman D., New York, N. Y. Textile fabric or similar article. 102,989; Feb. 2.
Meyer, Charles J., Chicago, Ill. Radio receiving apparatus. 103,081; Feb. 2.
Money, Roland H. (See Norrish, J. W., and Money.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cupboard. 103,072; Feb. 2.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cupboard. 103,073; Feb. 2.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cabinet. 103,074; Feb. 2.
Morimura Bros. Inc. (See Buma, Yukio, assignor.)
Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Illuminated wreath ornament. 102,990; Feb. 2.
Nelson, Andrew W., assignor to Columbia Enameling & Stamping Co., Terre Haute, Ind. Handle for a kettle. 102,991; Feb. 2.
Norrish, John W., Lockland, and R. H. Money, assignors to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigerator cabinet. 102,992; Feb. 2.
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Oya, John A., and R. A. Larson, assignors to Hollister Drug Company, Ltd., Honolulu, Hawaii. Bottle. 103,082; Feb. 2.
Puciloski, Benjamin, Cicero, Ill. Medallion or similar article. 102,993; Feb. 2.
Reiman, Paul, New York, N. Y. Textile fabric. 103,083; Feb. 2.
Reiman, Paul, New York, N. Y. Textile fabric. 103,084; Feb. 2.
Reiman, Paul, New York, N. Y. Textile fabric. 103,085; Feb. 2.
Reiman, Paul, New York, N. Y. Textile fabric. 103,086; Feb. 2.
Rhoerbaugh, Robert R. (See Carolan, F., and Rhoerbaugh.)
Rosenthal, William, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 103,068; Feb. 2.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick or similar article. 103,057; Feb. 2.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick or similar article. 103,058; Feb. 2.
Sears, Roebuck and Co. (See Janes, Richard B., assignor.)
Sears, Roebuck & Co. (See Loewy, Raymond, assignor.)
Sears, Roebuck & Co. (See Morgan, John R., assignor.)
Slattery, Dennis J., Buffalo, N. Y. Funeral symbol. 103,027; Feb. 2.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Casing for a suction cleaner or similar article. 102,994; Feb. 2.
Smith, Gordon L., assignor to The Kriptal Company, Chattanooga, Tenn. Store. 103,059; Feb. 2.
Solomon, Jacob, New York, N. Y. Blouse. 103,075; Feb. 2.
Stallings, George W., Jackson, Mich., assignor to A. Kreamer, Incorporated, New York, N. Y. Canister. 103,076; Feb. 2.
Standard Steel Works. (See Gredell, Otto N., assignor.)
Stewart, Robert H., Detroit, Mich. Paper knife. 102,995; Feb. 2.
Stock, Otto F., assignor to The Julian & Kokenge Company, Columbus, Ohio. Shoe. 102,996; Feb. 2.
Stock, Otto F., assignor to The Julian & Kokenge Company, Columbus, Ohio. Shoe. 102,997; Feb. 2.
Superior Body Company. (See Carlson, Alexander, assignor.)
Tashjian, Frank O., Detroit, Mich. Shoe cabinet. 102,998; Feb. 2.
Terker, Harry J., Brooklyn, N. Y. Chair or similar article. 102,999; Feb. 2.
Turpan, Mark, West New York, N. J. Textile fabric. 103,087; Feb. 2.
Turpan, Mark, West New York, N. J. Textile fabric. 103,088; Feb. 2.
Turpan, Mark, West New York, N. J. Textile fabric. 103,089; Feb. 2.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 103,090; Feb. 2.
Williams, Findley, Chicago, Ill., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick or similar article. 103,060; Feb. 2.
Worthington, Everett, Chicago, Ill., assignor to The Coca-Cola Company, Wilmington, Del. Beverage cooler cabinet. 103,000; Feb. 2.
Worthington, Everett, Chicago, Ill., assignor to The Coca-Cola Company, Wilmington, Del. Refrigerator. 103,001; Feb. 2.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abadie, Jean B. J. M., Paris, France. Suspension for luminescent tubes. 2,069,468; Feb. 2.
Abercrombie, J. S., Company. (See Earley, Moye G., assignor.)
Abercrombie, James S., J. A. Tennant, and H. Allen, Houston, assignors to Stephens Pump Company, Round Rock, Tex. Valve. 2,069,297; Feb. 2.
Ackley, Harry W., assignor to F. A. Genter, Minneapolis, Minn. Electric current dispensing device. 2,069,200; Feb. 2.
Adams, Horace C., Glendora, and H. D. Green, Pasadena, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing hydrocyanic acid and product thereof. 2,069,543; Feb. 2.
Agasote Millboard Company, The. (See Harvey, Harold C., assignor.)
Air Preheater Corporation, The. (See Creutz, Emil, assignor.)
Air Preheater Corporation, The. (See Palmer, Myron A., assignor.)
Aktieselskabet Fisker & Nielsen. (See Fisker, Peder A., assignor.)
Albrecht, Otto, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Composition of matter for the softening of textiles. 2,069,570; Feb. 2.
Allen, Herbert. (See Abercrombie, J. S., Tennant, and Allen.)
Allison, Ira, St. Louis, Mo., assignor to A. L. Hardin. Defrosting apparatus. 2,069,201; Feb. 2.
Altmann, Walter, Berlin-Wilmersdorf, Germany. Advertising hood. 2,069,544; Feb. 2.
American Can Company. (See Hoag, Lehman E., assignor.)
American Can Company. (See Taylor, William E., assignor.)
American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
American Fork & Hoe Company, The. (See Fifield, Albert F., assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus H., assignor.)
American Power-Cycle Corporation. (See Petmecky, Fred P., assignor.)
American Radiator Company. (See Woolley, Clarence M., assignor.)
American Telephone and Telegraph Company. (See Hunter, Russell N., assignor.)
American Telephone and Telegraph Company. (See Stevenson, William, assignor.)
American Window Glass Company. (See Shoemaker, Charles S., assignor.)
American Zinc, Lead & Smelting Company. (See Monk, R. H., and Ross, assignors.)
Andersen, Bjorn, Maplewood, and R. H. Ball, Elizabeth, N. J., assignors to Celluloid Corporation. Production of improved film. 2,069,202; Feb. 2.
Andersen, Gustav, Copenhagen, Denmark. Production of metals and alloys with very small contents of carbon. 2,069,469; Feb. 2.
Anderson, Victor, Cliffside, assignor to Alfred Hofmann & Company, West New York, N. J. Lamp finishing machine. 2,069,387; Feb. 2.
Andres, Lloyd J., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Lubricating system. 2,069,639; Feb. 2.
Andrew, Vaughan L., Superior, Wis. Windmill. 2,069,571; Feb. 2.
Ariotti, Guido, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Finishing surfaces in simulation of napped cloth. 2,069,470; Feb. 2.
Armacost, Wilbur H., New York, and J. H. Sengstaken, Piandome, assignors to The Superheater Company, New York, N. Y. Economizer. 2,069,515; Feb. 2.
Arness, William B., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md. Production of rustless iron. 2,069,203; Feb. 2.
Arness, William B., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md. Production of rustless iron. 2,069,204; Feb. 2.
Arness, William B., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md. Producing iron chromium alloys of appreciable nitrogen content. 2,069,205; Feb. 2.
Aro Equipment Corporation, The. (See Eastman, Ivan L., assignor.)
Arpels, Salomon (dit Charles), assignor to Societe Van Cleef & Arpels, Paris, France. Setting device for a precious stone or the like. 2,069,598; Feb. 2.
Arpin, John B., Fort Lauderdale, assignor to Beach Erosion Control Company, Miami, Fla. Artificial reef. 2,069,715; Feb. 2.
Ateliers H. Cuenod S. A. (See Juillard, Ernest, assignor.)
Atlas Powder Company. (See Ariotti, Guido, assignor.)
Automatic Musical Instrument Company. (See Andres, Lloyd J., assignor.)
Avery, Henry A., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,069,298; Feb. 2.
Axtell, Frank C., Pasadena, assignor of three-fourths to H. Whealton, Los Angeles, Calif. Method and apparatus for recovering precious metal from ore. 2,069,206; Feb. 2.
Ayers, Joseph W., assignor to C. K. Williams & Co., Easton, Pa. Gas purification material. 2,069,194; Feb. 2.
Baker, Donald J., Pasadena, Calif. Antifriction screw. 2,069,471; Feb. 2.
Baker, Rest R., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical control system. 2,069,516; Feb. 2.
Ball, Ralph H. (See Andersen, and Ball.)
Barrett Company, The. (See Roberts, Robert G., assignor.)
Barrett, George L., Detroit, Mich. Steam boiler. 2,069,693; Feb. 2.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,069,207; Feb. 2.
Barry, William J. (See Catterall, W. H., and Barry.)
Bartholomew, Howard W., Pottstown, Pa., assignor to Doehler Die Casting Company, Toledo, Ohio. Milling machine. 2,069,299; Feb. 2.
Bartlett, John N., Cleveland, Ohio. Amusement ride. 2,069,664; Feb. 2.
Batchelder, Laurence, Peterborough, N. H., assignor to Submarine Signal Company, Boston, Mass. Electrical circuits. 2,069,208; Feb. 2.
Beach Erosion Control Company. (See Arpin, John B., assignor.)
Beardsley, Bruce, Brooklyn, N. Y., and M. V. Creedon, Westfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Drag conveyer system. 2,069,716; Feb. 2.
Beardsley, Guy E., Jr., West Hartford, Conn., assignor, by mesne assignments, to United Aircraft Corporation. Mixture distribution vane. 2,069,640; Feb. 2.
Bell Telephone Laboratories, Incorporated. (See Cummings, George C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bendix Products Corporation. (See White, John W., assignor.)
Bendix Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Sanford, Roy S., assignor.)
Benrus Manufacturing Company. (See Lazrus, Benjamin, assignor.)
Berg, Charles E., Watertown, N. Y. Ash receiver. 2,069,400; Feb. 2.
Berggren, Hernfrid E., Stockholm, Sweden. Combination lock. 2,069,572; Feb. 2.
Bergschicker, Heinrich, Leipzig, Germany. Adjusting device for throttle valves of carburetors. 2,069,349; Feb. 2.
Bethlehem Steel Company. (See Catterall, W. H., and Barry, assignors.)
Bethlehem Steel Company. (See Lang, W. B., and Wohlfarth, assignors.)
Birdsboro Steel Foundry & Machine Company. (See Martin, Mark H., assignor.)
Birmingham, Thomas F. (See Gordon, C. W., and Birmingham.)
Bishop, George M., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Dyestuff paste for use in printing. 2,069,209; Feb. 2.
Bishop, George M., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Flavanthrone dyestuff and printing paste. 2,069,210; Feb. 2.
Blackmore, William, Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 2,069,488; Feb. 2.
Blue, John, Jr., Laurinburg, N. C. Guano distributor. 2,069,350; Feb. 2.

Bold, Ralph E., Landsdowne, Pa., C. R. Brown, Schenectady, N. Y., and L. S. Hobson, Yeadon, Pa., assignors to General Electric Company. Electric circuit interrupter. 2,069,641; Feb. 2.

Boldens Gruvaktiebolag. (See Häger, Bror O., assignor.)

Bolton, Elmer K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phenolic compounds. 2,069,573; Feb. 2.

Borg-Warner Corporation. (See Rauen, Carl F., and J. T., and Condon, assignors.)

Bonthillier, Emile, Montreal, Quebec, Canada. Garage door. 2,069,665; Feb. 2.

Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Fluid heater cleaner. 2,069,574; Feb. 2.

Braselton, Chester H., New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Electric lamp for producing short wave length radiation. 2,069,713; Feb. 2.

Brett, George F. (See Rust, N. M., and Brett.)

Briggs, Arthur J., assignor to Sicuro Corporation, Syracuse, N. Y. Milk bottle capping machine. 2,069,351; Feb. 2.

Briggs, Stephen F., Chenequa, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Carburetor. 2,069,642; Feb. 2.

Briggs & Stratton Corporation. (See Briggs, Stephen F., assignor.)

Briggs & Stratton Corporation. (See Brown, Jerome, assignor.)

Brinkert, Carroll A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Motor suspension. 2,069,694; Feb. 2.

Brookshire, Thomas W., and S. McDuffee, Flora, Ill. Apparatus for applying germicide and insecticide. 2,069,352; Feb. 2.

Brown, Charles R. (See Bold, R. E., Brown, and Hobson.)

Brown, Frank, Malden, Mass. Bookbinding. 2,069,211; Feb. 2.

Brown, Frank W., Elkridge, W. Va. Safety reel for a blasting cable. 2,069,695; Feb. 2.

Brown, Glendon C., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controller. 2,069,599; Feb. 2.

Brown, Jerome, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Spring cover. 2,069,666; Feb. 2.

Browning, George. (See Jeppsson, I., and Browning.)

Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)

Buffington, Malcolm R., Millburn, N. J. Packing ring. 2,069,212; Feb. 2.

Bulldog Electric Products Company. (See Frank, William H., assignor.)

Burdick, Charles L., London, England. Apparatus for indicating money values. 2,069,401; Feb. 2.

Burge, John E. P., and E. A. Roughton, assignors to Humber Limited, Coventry, England. Electrical system of distribution. 2,069,575; Feb. 2.

Burgess, C. F., Laboratories, Inc. (See Leadbetter, Ralph L., assignor.)

Burk, Melvin, Akron, Ohio. Patty machine. 2,069,696; Feb. 2.

Burke, Wanda, New York, N. Y. Beauty mitten. 2,069,643; Feb. 2.

Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Safety hanger for brake beams. 2,069,353; Feb. 2.

Busch-Sulzer Bros.-Diesel Engine Company. (See Schneider, Rudolph, assignor.)

Butterworth, Samuel D., Detroit, Mich., assignor, by mesne assignments of ninety-nine one-hundredths to The Worth Company. Car loading device. 2,069,644; Feb. 2.

Byron Jackson Co. (See Hollander, Alndar, assignor.)

Campbell, A. S., Co. (See Geddes, Charles I., assignor.)

Cardew, Cornelius A., Wahroonga, near Sydney, Australia. Discharging water from steam engine cylinders. 2,069,645; Feb. 2.

Carew, Herman, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Container and closure cap therefor. 2,069,213; Feb. 2.

Carlisle, Paul J., and A. D. Macallum, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of hydrocyanic acid. 2,069,545; Feb. 2.

Carlson, Bert G., Queens Village, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Safety device for airplane automatic pilots. 2,069,214; Feb. 2.

Carlson, Edwin O., assignor to Copy Papers, Inc., Chicago, Ill. Shipping carrier for rolls. 2,069,300; Feb. 2.

Carlson, George W., Monson, assignor to C. F. Church Mfg. Co., Willimansett, Mass. Toilet seat. 2,069,301; Feb. 2.

Carswell, Thomas S., Kirkwood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of chloranisidine isomers. 2,069,546; Feb. 2.

Catlin, John B. (See Mahler, E., and Catlin.)

Catterall, William H., and W. J. Barry, Lebanon, Pa., assignors to Bethlehem Steel Company. Guide twister. 2,069,517; Feb. 2.

Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)

Celanese Corporation of America. (See Hilliard, Thomas H., assignor.)

Celanese Corporation of America. (See Mellor, A., and Mann, assignors.)

Celluloid Corporation. (See Andersen, B., and Ball, assignors.)

Chamberlain, Alfred J., Wauwatosa, Wis. Container. 2,069,354; Feb. 2.

Chambers, Ivan F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing process and composition therefor. 2,069,215; Feb. 2.

Chappell, Frank L. (See Ireland, F. L., and Chappell.)

"Chemical Works Formerly Sandoz". (See Stoll, A., Kreis, and Hofmann, assignors.)

Chicago Carton Company. (See Sebreny, Bernhard B., assignor.)

Chicago Flexible Shaft Company. (See Jeppsson, I., and Browning, assignors.)

Chilton, Ralph H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Rapid freezing device. 2,069,195; Feb. 2.

Chittick, Kenneth A., Haddonfield, and W. H. Conron, Riverton, N. J., assignors to Radio Corporation of America. Radio receiver. 2,069,518; Feb. 2.

Church, C. F., Mfg. Co. (See Carlson, George W., assignor.)

Cincinnati Milling Machine Co., The. (See Howe, Wilfred H., assignor.)

Cinema Patents Company. (See Miller, Arthur J., assignor.)

Clark, Omar E., Detroit, Mich. Hose connection. 2,069,216; Feb. 2.

Clarke, Douglas R., Toronto, Ontario, Canada. Combined circuit and flashlight battery. 2,069,355; Feb. 2.

Clarkson, Richard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Product and process of sulphation of compounds obtained by hydrogenation of carbon oxides. 2,069,547; Feb. 2.

Claude Neon Electrical Products Corporation. (See Hyde, Ralph C., assignor.)

Clawson, Edward, assignor to Continental Engineering Service, New Kensington, Pa. Nozzle take-off attachment. 2,069,667; Feb. 2.

Cocozella, Anthony, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting apparatus. 2,069,217; Feb. 2.

Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Variable condenser. 2,069,218; Feb. 2.

Cohen, Theodore A., Chicago, Ill. Apparatus for producing photogravure plates. 2,069,576; Feb. 2.

Cohen, William A., Brooklyn, N. Y. Rotary engine. 2,069,646; Feb. 2.

Colby, Elmer E. et al. (See White, Frank M., assignor.)

Coleman, Albert, New York, N. Y. Semi-transparent shower curtain. 2,069,600; Feb. 2.

Colonial Capital Corporation. (See Frank, Nathan, assignor.)

"Compagnie de Produits Chimiques et Electrometallurgiques Olais, Froges et Camarque." (See Gadeau, Robert A., assignor.)

Compagnie Generale de Telegraphie Sans Fil. (See Hugon, J. J., and Rocard.)

Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. (See Petitcolas, Pierre, assignor.)

Condon, Francis H. (See Rauen, Carl F., and J. T., and Condon.)

Conlon, James L., assignor to General Motors Corporation, Detroit, Mich. Bumper for a window glass. 2,069,219; Feb. 2.

Conmar Products Corporation. (See Ulrich, Frederick, assignor.)

Conron, William H. (See Chittick, K. A., and Conron.)

Continental Engineering Service. (See Clawson, Edward, assignor.)

Conway, Martin J., Coatesville, Pa. Method of and apparatus for making open hearth steel. 2,069,196; Feb. 2.

Cooperstein, Abraham. (See Cooperstein, Irving, assignor.)

Cooperstein, Irving, assignor of one-half to A. Cooperstein, Brooklyn, N. Y. Lathe attachment. 2,069,356; Feb. 2.

Copy Papers, Inc. (See Carlson, Edwin O., assignor.)

Correct Printing Company. (See Davis, Emanuel, assignor.)

Couch, Glenn F., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,069,220; Feb. 2.

Coupland, Richard C., United States Army, Norfolk, Va. Grenade. 2,069,221; Feb. 2.

Cowlin, Eugene D., Massillon, Ohio, assignor to Eaton Manufacturing Company. Lock washer. 2,069,402; Feb. 2.

Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,069,520; Feb. 2.

Crane Co. (See Zinkil, Roy H., assignor.)

Creedon, Michael V. (See Beardsley, B., and Creedon.)

Cremer, Robert M., Chicago, Ill. Signal. 2,069,222; Feb. 2.

Creutz, Emil, Forest Hills, assignor to The Air Preheater Corporation, New York, N. Y. Air preheater. 2,069,519; Feb. 2.

Crosley Radio Corporation, The. (See Rockwell, Ronald J., assignor.)

Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Interconnecting telegraph repeater system. 2,069,223; Feb. 2.

Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Interconnecting telegraph repeater system. 2,069,224; Feb. 2.

Cunningham, George L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Making alkali metal alcoholates. 2,069,403; Feb. 2.

Cunningham, George L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of alkali metal alcoholates. 2,069,404; Feb. 2.

Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Producing phosphorus and phosphate fertilizer. 2,069,225; Feb. 2.

Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Making phosphate fertilizer and nitric acid. 2,069,226; Feb. 2.

Curtiss, Frank R., New Haven, Conn. Art of stapling. 2,069,601; Feb. 2.

Curtiss, Nathaniel H., Passaic, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Method and apparatus for processing tubular yieldable objects. 2,069,197; Feb. 2.

Cushwa, Charles B., Youngstown, Ohio. Apparatus for making dished heads. 2,069,198; Feb. 2.

Cutler-Hammer, Inc. (See Brown, Glendon C., assignor.)

Dalton, William, Schenectady, N. Y. Railway track structure and installing the same. 2,069,567; Feb. 2.

Davies, W. Sanders, et al., trustees. (See Morgan, John D., assignor.)

Davis, Emanuel, Brooklyn, assignor to Correct Printing Company, Inc., New York, N. Y. Mailing folder. 2,069,602; Feb. 2.

Davis, Robert L., Grand Rapids, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Polyphase oscillator. 2,069,521; Feb. 2.

Dawson, John W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,069,734; Feb. 2.

Decker, Ralph, et al. (See Hill, Richard D., assignor.)

Degenfelder, Frederick J. (See Morton, W. C., and Degenfelder.)

De Kramolin, Léon Ladislas, Berlin-Pankow, Germany. Radio receiving arrangement. 2,069,405; Feb. 2.

De La Tour, Filiberto S., Palermo, Italy. System of sculptural reproduction in three dimesions by means of instantaneous photography. 2,069,647; Feb. 2.

Delta Manufacturing Company, The. (See Tautz, Herbert E., assignor.)

Dempster, George R., Knoxville, Tenn. Transporting and dumping vehicle. 2,069,697; Feb. 2.

Dempster, William J, Knoxville, Tenn. Transporting and dumping vehicle. 2,069,698; Feb. 2.

Denner, Peter F., assignor to Kalamazoo Paper Company, Kalamazoo, Mich. Paper and method of making. 2,069,648; Feb. 2.

Det norske Aktieselskab for Elektrokemisk Industri. (See Skajaa, Torleiv, assignor.)

De Vilbiss Company, The. (See Wilka, Gustave A., assignor.)

Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)

Diamond Power Specialty Corporation. (See Howse, Curtis L., assignor.)

Dignan, James H., et al. (See Marchant, Arthur W., assignor.)

Dinion, Nathan, assignor to Magnetic Windings Company, Easton, Pa. Coil unit. 2,069,357; Feb. 2.

Doehler Die Casting Company. (See Bartholomew, Howard W., assignor.)

Dohler, Otto H., Elmwood Park, Chicago, Ill. Windshield wiper blade. 2,069,699; Feb. 2.

Donaldson, Robert R., Jr., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Pressure regulating device. 2,069,199; Feb. 2.

Donat, Joachim. (See Scholl, R., Meyer, and Donat.)

Dow Chemical Company, The. (See Prutton, C. F., and Roush, assignors.)

Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Treating textile materials and product thereof. 2,069,303; Feb. 2.

Dreyfus, Henry, London, England. Manufacture of hydroxy aliphatic amines. 2,069,302; Feb. 2.

Dubbs, Carbon P., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 2,069,358; Feb. 2.

Dudley, William L., Seattle, Wash. Cooling system. 2,069,359; Feb. 2.

Duffield, William A., assignor to Juno Corporation Limited, Montreal, Quebec, Canada. Automatic power transmission. 2,069,360; Feb. 2.

Dufford, John R., Bristol, assignor to Paterson Parchment Paper Company, Bristol Township, Pa. Concentration of dilute sulphuric acid containing amyloid. 2,069,472; Feb. 2.

Dunn, Vernon E., Fairfield, Iowa. Drain board tilting mechanism. 2,069,649; Feb. 2.

Du Pont, E. I., de Nemours & Company. (See Adams, H. C., and Green, assignors.)

Du Pont, E. I., de Nemours & Company. (See Bolton, Elmer K., assignor.)

Du Pont, E. I., de Nemours & Company. (See Carlisle, P. J., and Macallum, assignors.)

Du Pont, E. I., de Nemours & Company. (See Chambers, Ivan F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Clarkson, Richard G., assignor.)

Du Pont, E. I., de Nemours & Company. (See Graves, G. D., and Greenewalt, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hunt, J. K., and Shipp, assignors.)

Du Pont, E. I., de Nemours & Company. (See Kirst, W. E., and Woodbury, assignors.)

Du Pont, E. I., de Nemours & Company. (See Rothrock, Henry S., assignor.)

Eagan, William A., Glen Rock, N. J. Billing machine. 2,069,489; Feb. 2.

Eager, Wesley W., Los Angeles, assignor of one-half to C. A. Tierney, San Marino, Calif. Window construction. 2,069,435; Feb. 2.

Earley, Moye G., Houston, Tex., assignor to J. S. Abercrombie Company. Straightening well bores. 2,069,603; Feb. 2.

Eastman, Ivan L., assignor to The Aro Equipment Corporation, Bryan, Ohio. Speed coupler. 2,069,434; Feb. 2.

Eaton Manufacturing Company. (See Cowlin, Eugene D., assignor.)

Eaton, Wilfred A., assignor to Bendix Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Electric brake. 2,069,578; Feb. 2.

Ebel, Friedrich, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Nitrogenous condensation products. 2,069,473; Feb. 2.

Eclipse Aviation Corporation. (See Nowosielski, Edward B., assignor.)

Edmunds, Rex A., Detroit, Mich., assignor to National Malleable & Steel Castings Company, Cleveland, Ohio. Mixture for the production of malleable iron. 2,069,717; Feb. 2.

Eichstädt, Karl, Berlin, Germany, assignor to Oxford Varnish Corporation, Detroit, Mich. Producing decorated surfaces. 2,069,227; Feb. 2.

Eichstädt, Karl, Charlottenburg, Germany, assignor to Oxford Varnish Corporation, Detroit, Mich. Decorating wood or similar materials. 2,069,228; Feb. 2.

Elbs, Werner. (See Wolfram, A., Nawiasky, Langbein, and Elbs.)

Electrothermic Corporation. (See Kennedy, Theodore R., assignor.)

Elliman, Marguerite, New York, N. Y. Bed. 2,069,604; Feb. 2.

Ellis-Foster Company. (See Rust, John B., assignor.)

Emmons, Arthur N., Nedrow, assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y. Abrading machine. 2,069,700; Feb. 2.

Emmons, Arthur N., Nedrow, assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y. Auxiliary power operated device for machine tools. 2,069,701; Feb. 2.

Engh, August C., Yorkville, Ill. Golf practice indicator. 2,069,650; Feb. 2.

Enterprise Manufacturing Company, The. (See Pflueger, Charles T., assignor.)

Epstein, Charles, Boston, Mass. Garment. 2,069,579; Feb. 2.

Erikson, August, Foster Center, R. I. Scythe grip. 2,069,474; Feb. 2.

Esch, Mark F., Washington, D. C. Oil gauge rod wiper. 2,069,406; Feb. 2.

Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)

Feild, Alexander L., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md. Turbine blade. 2,069,718; Feb. 2.

Feldman, Jennie, New York, N. Y. Stringed instrument attaching and supporting means. 2,069,436; Feb. 2.

Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)

Fenske, Merrell R., State College, Pa., assignor to Pennsylvania Petroleum Research Corporation. Distillation control. 2,069,490; Feb. 2.

Feragen, A. E., Inc. (See Hunt, George L., assignor.)

Ferris, Robert, Minneapolis, Minn. Coffee making apparatus. 2,069,229; Feb. 2.

Ferris, Walter, Milwaukee, Wis. Speed controller for prime movers. 2,069,230; Feb. 2.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Pump or motor. 2,069,651; Feb. 2.

Ferry, Clarence P. (See Fredix, John W., assignor.)

Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail joint. 2,069,361; Feb. 2.

Findlay, Edward H., Pomona, Calif. Hand punch. 2,069,231; Feb. 2.

Finley, Doctor A., Valdosta, Ga. Sprayer tank device. 2,069,702; Feb. 2.

Fischel, Eduard, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Control arrangement for motors, particularly rudder motors. 2,069,605; Feb. 2.

Fischer, Philip S., Chicago, Ill. Stereopticon slide. 2,069,304; Feb. 2.

Fisker, Peder A., assignor to Aktieselskabet Fisker & Nielsen, Copenhagen, Denmark. Filter for vacuum cleaners and the like. 2,069,703; Feb. 2.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Door construction for freight containers. 2,069,232; Feb. 2.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Door locking mechanism for freight containers. 2,069,233; Feb. 2.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Freight container. 2,069,234; Feb. 2.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Apparatus for supporting demountable bodies. 2,069,235; Feb. 2.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Mechanism for raising and supporting demountable bodies. 2,069,236; Feb. 2.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Door operating mechanism. 2,069,237; Feb. 2.
Flexible Steel Lacing Company. (See Olsen, John C., assignor.)
Flint, Arthur W., Toronto, Ontario, Canada. Plywood joint. 2,069,668; Feb. 2.
Flournoy, Algernon F., Monroe, La. Relief valve. 2,069,522; Feb. 2.
Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Thermionic cathode and process of activation. 2,069,407; Feb. 2.
Ford, Frederick H., assignor to The Shaler Company, Waupun, Wis. Fabricated belt splice and splicing the same. 2,069,362; Feb. 2.
Forichon, Alphonse, Paris, France. Transmission. 2,069,408; Feb. 2.
Francis, Dean D., et al. (See McKone, Leo J., assignor.)
Frank, Nathan, assignor to Colonial Capital Corporation, Newark, N. J. Piston and packing. 2,069,437; Feb. 2.
Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Automatic reset circuit breaker. 2,069,305; Feb. 2.
Franson, Carl V. (See Storck, F. W., and Franson.)
Fraser, Edwin J., Riverside, assignor to Keeshin Motor Express Co. Inc., Chicago, Ill. Trailer light. 2,069,238; Feb. 2.
Fraser, Edwin J., Riverside, assignor to Keeshin Motor Express Co., Inc., Chicago, Ill. Trailer light. 2,069,239; Feb. 2.
Freeland, Frank J., assignor to Round Oak Company, Dowagiac, Mich. Coal range. 2,069,704; Feb. 2.
Gadeau, Robert A., St. Jean de Maurienne, assignor to "Compagnie de Produits Chimiques et Electrometallurgiques Olals, Froges et Camarque," Paris, France. Manufacture of metallic glucinum and its alloys. 2,069,705; Feb. 2.
Gary, Louis, and J. V. Sabelin, assignors to Solo Automotive Manufacturing Company, Inc., New York, N. Y. Device for bleeding hydraulic brakes. 2,069,606; Feb. 2.
Gaskins, Thomas, Jr., Arcadia, Fla. Article of manufacture made from cypress knee. 2,069,580; Feb. 2.
Gaw, William C., East Cleveland, Ohio. Scaffolding device. 2,069,607; Feb. 2.
Geddes, Charles L., Arlington, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Vehicle bumper. 2,069,548; Feb. 2.
General Aniline Works, Inc. (See Ebel, Friedrich, assignor.)
General Aniline Works, Inc. (See Hoffmann, Walther, assignor.)
General Aniline Works, Inc. (See Huber, Eugen, assignor.)
General Aniline Works, Inc. (See Treppenhauer, Max, assignor.)
General Aniline Works, Inc. (See Wolfram, A., Nawiasky, Langbein, and Elbs, assignors.)
General Controls Company. (See Ray, William A. and W. R., assignors.)
General Electric Company. (See Bold, R. E., Brown, and Hobson, assignors.)
General Electric Company. (See Fonda, Gorton R., assignor.
General Electric Company. (See Hösel, Paul, assignor.)
General Electric Company. (See Köhler, Andreas, assignor.)
General Electric Company. (See Pickhaver, L. G., and Worley, assignors.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Schwarzhaupt, Paul J., assignor.)
General Electric Company. (See Smith, Arthur R., assignor.)
General Electric Company. (See Steeustrup, Christian, assignor.)
General Electric Company. (See Tripp, Augustus B., assignor.)
General Electric Comany. (See Wright, Daniel K., assignor.)
General Instrument Corporation. (See Cohen, Samuel, assignor.)
General Motors Corporation. (See Chilton, Ralph H., assignor.)
General Motors Corporation. (See Conlon, James L., assignor.)
General Motors Corporation. (See Young, Otto W., assignor.)
General Plate Company. (See Spencer, John A., assignor.)
General Printing Ink Corporation. (See Koppe, Alexander T., assignor.)
Genter, Frances A. (See Ackley, Harry W., assignor.)
Gerwig, Alva H. (See Gerwig, Christian H. and A. H.)
Gerwig, Christian H. and A. H., Chapel, W. Va. Operating device for oven shelves. 2,069,706; Feb. 2.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Pasteurizing apparatus. 2,069,714; Feb. 2.
Giddings & Lewis Machine Tool Co. (See Woytych, Raymond M., assignor.)
Gilbert, Henry, Mansfield, Ohio. Detachable handle. 2,069,523; Feb. 2.
Gill, Frank P., Cleveland Heights, Ohio. Apparatus for forming sand molds. 2,069,669; Feb. 2.
Globe Slicing Machine Co. (See Waage, John J., assignor.)
Goetz, Maurus T., and A. H. Reiber, assignors to Teletype Corporation, Chicago, Ill. Keyboard perforator and counter. 2,069,240; Feb. 2.
Goetz, Paul C. (See Tiger, H. L., and Goetz.)
Golden, Harry, New York, N. Y., assignor to Magna Products Corp. Window antirattler. 2,069,719; Feb. 2.
Goldstein, Harry, assignor of one-half to C. Seinfeld, Brooklyn, N. Y. Dispenser for coffee cans. 2,069,438; Feb. 2.
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Eyelet-inserting machine. 2,069,241; Feb. 2.
Gordon, Charles W., and T. F. Birmingham, Hammond, Ind., assignors to The Superheater Company, New York, N. Y. Die for connecting pipes. 2,069,524; Feb. 2.
Gore, Thomas, Brooklyn, N. Y. Endless loop. 2,069,525; Feb. 2.
Goss Printing Press Company, The. (See Cox, Paul F., assignor.)
Government of the United States, as represented by the Secretary of the Treasury. (See Ryan, Michael J., assignor.)
Gragg, Owen C., Detroit, Mich. Salt and pepper shaker. 2,069,363; Feb. 2.
Graham, George A., Fort Monmouth, Oceanport, N. J. Electroncoustic energy converting system. 2,069,242; Feb. 2.
Graves, George D., and C. H. Greenewalt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of ketene. 2,069,243; Feb. 2.
Green, Howard D. (See Adams, H. C., and Green.)
Green, Samuel G., Gray, Ga. Trigger mechanism for machine guns. 2,069,244; Feb. 2.
Greenewalt, Crawford H. (See Graves, G. D., and Greenewalt.)
Greist Manufacturing Company, The. (See Hinman, G. L., and Word, assignors.)
Gretsch & Brenner, Inc. (See Iorio, Candido, assignor.)
Gussick, Frank S., Milwaukee, Wis. Valve. 2,069,364; Feb. 2.
Higer, Bror O., assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Impregnating wood and other materials. 2,069,491; Feb. 2.
Haines, Harley O., assignor of one-half to W. A. Stanburrough, Marion, Ohio. Tractor. 2,069,245; Feb. 2.
Haloid Company, The. (See Lloyd, W. P., and Hill, assignors.)
Hamilton Autographic Register Company, The. (See Roosevelt, Marcus S., assignor.)
Hammond, Grant, New Haven, Conn. Scissors sharpener. 2,069,608; Feb. 2.
Handy, Royal S., Kellogg, Idaho. Flotation reagent. 2,069,365; Feb. 2.
Hanney, Angus F., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 2,069,439; Feb. 2.
Hanson, Glen N., Minneapolis, Minn. Label affixing machine. 2,069,246; Feb. 2.
Hanson, Roy E., Wauwatosa, assignor to Milprint Products Corporation, Milwaukee, Wis. Container label. 2,069,609; Feb. 2.
Hansson, Malte, Alameda, Calif. Fuel injection control. 2,069,306; Feb. 2.
Hardin, Arthur L. (See Allison, Ira, assignor.)
Hardy, Charles J. (See Sampson, Robert W., assignor.)
Harvey, Harold C., assignor to The Agasote Millboard Company, Trenton, N. J. Composite flooring material 2,069,720; Feb. 2.
Hathorn, Clarence J., assignor to The Stackpole Carbon Company, St. Marys, Pa. Friction clutch rheostat. 2,069,440; Feb. 2.
Haubold, Werner R. (See Neumann, F. J. G., and Haubold.)
Hawley, Jesse B. (See Sloan, Edward C., assignor.)
Hazelett Metals, Inc. (See Sweet, Donald H., assignor.)
Headrick, Lewis B., East Orange, N. J., assignor to Radio Corporation of America. Electron tube. 2,069,441; Feb. 2.
Heenan, John N. D., Hemel Hempsted, England. Heat transfer apparatus. 2,069,409; Feb. 2.
Heerdt, Otto, Leipzig, Germany. Control element for the flushing device in hydraulic gears. 2,069,366; Feb. 2.
Hemphill Company. (See Lawson, Robert H., assignor.)

Henninger, Andrew F., Jr., Chicago, Ill. Treating electrodes of negative glow devices. 2,069,307; Feb. 2.
Henninger, Andrew F., Jr., Chicago, Ill. Negative glow device. 2,069,308; Feb. 2.
Henry, Beulah L., New York, N. Y. Multicopy attachment for typewriters. 2,069,492; Feb. 2.
Henszey, Roy O., Oconomowoc, Wis. Flow indicator. 2,069,309; Feb. 2.
Hercules Powder Company. (See Schantz, Jacob M., assignor.)
Herman, Wilbert E., Milwaukee, Wis. Adjustable typewriter support. 2,069,707; Feb. 2.
Heseltine, Ambrose, Erie, Pa. Dispensing device. 2,069,442; Feb. 2.
Higgins, Frank H., Upper Montclair, N. J. Carpeting. 2,069,310; Feb. 2.
Hill, Maxwell H. (See Lloyd, W. P., and Hill.)
Hill, Richard D., assignor of twenty-five percent to R. Decker, twenty-five percent to W. L. Robertson, and fifty percent to L. D. Mowrey, Wichita Falls, Tex. Stuffing box. 2,069,443; Feb. 2.
Hillerich & Bradsby Co. (See Morrow, Henry W., assignor.)
Hilliard, Thomas H., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Method and apparatus of scouring and dyeing. 2,069,311; Feb. 2.
Hinman, George L., New Haven, and C. J. Word, Milford, assignors to The Greist Manufacturing Company, New Haven, Conn. Hemstitching attachment for sewing machines. 2,069,652; Feb. 2.
Hoag, Lehman E., Bellwood, Ill., assignor to American Can Company, New York, N. Y. Can coating enamel. 2,069,247; Feb. 2.
Hobson, Leland S. (See Bold, R. E., Brown, and Hobson.)
Höchstädter, Otto, Munich, Germany. Conainer closure. 2,069,410; Feb. 2.
Hockland, Frederick P. (See Lewis, George I., assignor.)
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoffman, Walther, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Thiazine dyestuff and preparing it. 2,069,670; Feb. 2.
Hofmann, Albert. (See Stoll, A., Kreis, and Hofmann.)
Hofmann, Alfred & Company. (See Anderson, Victor, assignor.)
Hofmann, Alfred, & Company. (See Palucki, Charles B., assignor.)
Hollander, Aladar, Berkeley, assignor to Byron Jackson Co., Huntington Park, Calif. Rubber bearing. 2,069,367; Feb. 2.
Honigbaum, Harry H., Forest Hills, N. Y. Shingle. 2,069,444; Feb. 2.
Hopkins, Edwin, New York, N. Y. Parking post. 2,069,445; Feb. 2.
Hopwood, John M. (See Donaldson, Robert R., Jr., assignor.)
Horinstein, Philip, Chicago, Ill. Display advertising device. 2,069,368; Feb. 2.
Horner, Leon H., assignor to Whitin Machine Works, Whitinsville, Mass. Drawing mechanism for spinning or twisting machines. 2,069,446; Feb. 2.
Hösel, Paul, Berlin, Germany, assignor to General Electric Company. Surface type condenser arrangement. 2,069,653; Feb. 2.
Howe, Wilfred H., Winchester, Mass., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Carriage traversing mechanism. 2,069,493; Feb. 2.
Howse, Curtis L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Liquid level indicator. 2,069,312; Feb. 2.
Huber, Eugen, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the gallocyanine series. 2,069,475; Feb. 2.
Huck, William F., Richmond Hill, assignor by mesne assignments to R. Hoe & Co., Inc., New York, N. Y. Stereotype plate casting machine. 2,069,248; Feb. 2.
Hughes, John M., et al. (See Renkin, Robert F., assignor.)
Hugon, Jean J., and Y. Rocard, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Electric pick-up utilizing piezo-electric crystals. 2,069,313; Feb. 2.
Humber Limited. (See Burge, J. E. P. and Roughton, assignors.)
Humoco Corporation. (See Moore, George A., assignor.)
Hunt, George L., Davenport, Iowa, assignor by mesne assignments, to A. E. Feragen, Inc., Seattle, Wash. Apparatus for gauging and straightening automobiles and parts thereof. 2,069,249; Feb. 2.
Hunt, James K., and J. H. Shipp, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making bituminous compositions. 2,069,314; Feb. 2.
Hunter, Russell N., Westfield, N. J., assignor to American Telephone and Telegraph Company. Secret communication system. 2,069,369; Feb. 2.
Hurley, James J., et al. (See Marchant, Arthur W., assignor.)
Hurst, George, Detroit, Mich. Measuring device. 2,069,494; Feb. 2.
Hutt, George A. (See Hutt, Robert J., and G. A.)
Hutt, Robert J., and G. A. Hutt, Brooklyn, N. Y. Container. 2,069,549; Feb. 2.
Hyde, John C., Chicago, Ill. Power operated tooth brush. 2,069,581; Feb. 2.
Hyde, Ralph C., Los Angeles, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Safety device for high potential electrical circuits. 2,069,250; Feb. 2.
Hygrade Sylvania Corporation. (See Wittich, Edward H., assignor.)
I. G. Farbenindustrie Aktiengelsellschaft. (See Schmidt, O., and Meyer, assignors.)
Imperial Chemical Industries Limited. (See Montgomery, Terence N., assignor.)
Individual Drinking Cup Company. (See Carew, Herman, assignor.)
Iorio, Candido, Jamaica, assignor to Gretsch & Brenner, Inc., New York, N. Y. Accordion. 2,069,447; Feb. 2.
Ireland, Frank L., Norwich, and F. L. Chappell, Hobart, N. Y. Rotary press. 2,069,448; Feb. 2.
Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Internal combustion engine. 2,069,315; Feb. 2.
Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)
Jensen, Carl F., Bridgeport, Conn. Hand protector. 2,069,449; Feb. 2.
Jeppsson, Ivar, Chicago, and G. Browning, Wilmette, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Vegetable peeler. 2,069,654; Feb. 2.
Jessen, John A., assignor to Whitin Machine Works, Whitinsville, Mass. Bunch building mechanism. 2,069,450; Feb. 2.
Johnson, Charles S., Champaign, Ill. Control chute means. 2,069,451; Feb. 2.
Johnson, Ernest A., Duluth, Minn. Ventilator. 2,069,370; Feb. 2.
Johnson Service Company. (See Otto, Carl A., assignor.)
Juillard, Ernest, Lausanne, assignor of on-half to Ateliers H. Cuenod S. A., Chatelaine, near Geneva, Switzerland. Direct acting electric regulator. 2,069,610; Feb. 2.
Juno Corporation Limited. (See Duffield, William A., assignor.)
Justice, Fred M., Brewton, Ala. Wrench. 2,069,582; Feb. 2.
Kalamazoo Paper Company. (See Denner, Peter F., assignor.)
Kalman Steel Corporation. (See Kessler, Harry A., assignor.)
Kantola, Carl F. (See Lentz, W. L., and Kantola.)
Kay and Ess Chemical Corp., The. (See Kittredge, H. G., and Turner, assignors.)
Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Gear mounting for axle drives and the like. 2,069,411; Feb. 2.
Keeshin Motor Express Co., Inc. (See Fraser, Edwin J. assignor.)
Kell, John, Maywood, Ill. Knee support roller. 2,069,476; Feb. 2.
Kellbaugh, Robert P., Erie, Pa. Water heater. 2,069,452; Feb. 2.
Kennedy, Theodore R., Morrisville, Pa., assignor to Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Hydrogen regulator for converter spark gap. 2,069,495; Feb. 2.
Kesling, Elmer G., Bloomfield, Mo. Gear shifting mechanism. 2,069,526; Feb. 2.
Kessler, Harry A., Buffalo, N. Y., assignor to Kalman Steel Corporation. Rolling mill. 2,069,496; Feb. 2.
Kestel, Henry C., assignor to The Myers Regulator Company, Toledo, Ohio. Window regulating device. 2,069,611; Feb. 2.
Kidde, Walter, & Company. (See Mapes, Daniel, assignor.)
Kinkead, Fullerton S., Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Interconnecting telegraph repeater system. 2,069,251; Feb. 2.
Kirkland, Arthur I., Detroit, Mich. Chuck adapted for stud driver or the like. 2,069,527; Feb. 2.
Kirst, William E., Woodbury, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting explosive. 2,069,612; Feb. 2.
Kispert, Joseph J., Hamden, assignor to I. Newman & Sons, Inc., New Haven, Conn. Aligning device for disengageable slide fasteners. 2,069,655; Feb. 2.
Kittredge, Harvey G., and A. J. Turner, assignors to The Kay and Ess Chemical Corp., Dayton, Ohio. Enamel and varnish. 2,069,252; Feb. 2.
Klein, Hyman H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Dispensing dish. 2,069,371; Feb. 2.
Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Wheel. 2,069,253; Feb. 2.
Knitter, Elmer T., Redwood City, Calif. Program reminder for radio programs. 2,069,372; Feb. 2.
Koca, James F., assignor to Woodstock typewriter Company, Woodstock, Ill. Shift mechanism. 2,069,671; Feb. 2.
Köhler, Andreas, Hennigsdorf, near Berlin, Germany, assignor to General Electric Company. Ticket printing machine. 2,069,656; Feb. 2.
Kooperativa Förbundet, Förening U. P. A. (See Meijling, J., and Magnusson, assignors.)

Koppe, Alexander T., assignor to General Printing Ink Corporation, New York, N. Y. Cylinder separating mechanism for printing presses. 2,069,613; Feb. 2.

Koppelman, Morris, Brooklyn, N. Y. Packing means. 2,069,497; Feb. 2.

Kraft, Carl, New York, N. Y. Toy top. 2,069,373; Feb. 2.

Kreis, Walter. (See Stoll, A., Kreis, and Hofmann.)

Kress, Claude W., New York, N. Y. Display device. 2,069,528; Feb. 2.

Kronheim, Jacob, Cleveland, Ohio. Machine for making stuffing for furniture. 2,069,412; Feb. 2.

Kunze, Willy, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. Sound apparatus. 2,069,254; Feb. 2.

Lagomarsino, Emilio J., Ventura, Calif. Beverage cooler. 2,069,374; Feb. 2.

Lane, George H., Highland, N. Y. Attachment plug. 2,069,375; Feb. 2.

Lane, Russell C., Dayton, Ohio, assignors by mesne assignments, to Radio Corporation of America, New York, N. Y. Remote control circuit. 2,069,614; Feb. 2.

Lang, Walter B., Steelton, and J. C. Wohlfarth, Harrisburg, Pa., assignors to Bethlehem Steel Company. Oil burner tip. 2,069,498; Feb. 2.

Langbein, Gerhard. (See Wolfram, A., Nawiasky, Langbein, and Elbs.)

Lansing, Edward S., Detroit, Mich. Transmission of sound currents. 2,069,316; Feb. 2.

Lapenta, Vincent A., Indianapolis, Ind. Chemically stabilized glucosides and glucoside bearing drugs. 2,069,529; Feb. 2.

Lapenta, Vincent A., Indianapolis, Ind. Chemically stabilized glucosides and glucoside bearing drugs. 2,069,530; Feb. 2.

Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Stitch ring for knitting machines. 2,069,672; Feb. 2.

Lazrus, Benjamin, Lawrence, assignor to Benrus Manufacturing Company, New York, N. Y. Wrist watch. 2,069,453; Feb. 2.

Leadbetter, Ralph L., Royal Oak, Mich., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Sound and vibration damping construction. 2,069,413; Feb. 2.

Lehner, Louis, Memphis, Tenn., assignor, by mesne assignments, to The Murray Corporation of America, Detroit, Mich. Barrel stave. 2,069,531; Feb. 2.

Leiter, Harry H. (See Longfellow, Earl E., assignor.)

Lentz, William L., Tuckahoe, N. Y., and C. F. Kantola, Ashtabula, Ohio, assignors to The New York Central Railroad Company. Locomotive tender door. 2,069,414; Feb. 2.

Levy, Charles. (See Marin, J., and Levy.)

Lewis, George L., assignor of two-fifths to F. P. Hockland, Cincinnati, Ohio. Warning signal device. 2,069,583; Feb. 2.

Lifton, Samuel H., Brooklyn, N. Y. Brief case. 2,069,255; Feb. 2.

Lima, José P., Sao Paulo, Brazil. Dispensing device. 2,069,673; Feb. 2.

Link Belt Company. (See Pierce, Harold S., assignor.)

Lipic, Joseph G., Jr., St. Louis, Mo. Key holder. 2,069,317; Feb. 2.

Lloyd, Whitten P., and M. H. Hill, assignors to The Haloid Company, Rochester, N. Y. Photocopy machine. 2,069,318; Feb. 2.

Lofquist, Bror M., and S. J. Olson, Fitchburg, Mass. Bicycle pedal. 2,069,454; Feb. 2.

Long, Elmer C., Grosse Pointe Park, Mich. Piston for internal combustion motors. 2,069,61—; Feb. 2.

Long, Thomas H. (See Rutemiller, O. G., and Long.)

Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Surgical leg splint. 2,069,721; Feb. 2.

Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft. (See Trümpler, Gottfried, assignor.)

Lorton, Pierre, Paris, France. Furnace for the incineration of household refuse. 2,069,584; Feb. 2.

Lotz, Rudolph W., assignor to Sleeper, Inc., Chicago, Ill. Mattress construction. 2,069,415; Feb. 2.

Lounsbury, Charles E., and R. J. Sheafe, Chicago, Ill. Sign. 2,069,319; Feb. 2.

Lowry, Erwin F., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermionic filament of variable capacity. 2,069,532; Feb. 2.

Ludwig, Leon R. (See Slepian, J., and Ludwig.)

Lyman, Kenneth E., et al. (See McKone, Leo J., assignor.)

Macallum, Alexander D. (See Carlisle, P. J., and Macallum.)

MacKinzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nozzle for shoe coating machines. 2,069,256; Feb. 2.

Madsen Iron Works. (See Madsen, Martin, assignor.)

Madsen, Martin, assignor to Madsen Iron Works, Huntington Park, Calif. Apparatus for producing mineral aggregate roads. 2,069,376; Feb. 2.

Magna Products Corp. (See Golden, Harry, assignor.)

Magnetic Windings Company. (See Dinion, Nathan, assignor.)

Magnusson, Thure. (See Meijling, J., and Magnusson.)

Mahler, Ernst, Neenah, and J. B. Catlin, Appleton, assignors to Paper Patents Company, Neenah, Wis. Process of and apparatus for manufacturing artificial leather or the like. 2,069,257; Feb. 2.

Malone, James H., et al. (See Marchant, Arthur W., assignor.)

Mann, Ralph J. (See Mellor, A., and Mann.)

Mann, William D., Chicago, Ill. Building construction. 2,069,657; Feb. 2.

Manson, George J., Hawkesbury, Ontario, Canada. Chewing gum. 2,069,477; Feb. 2.

Many, Benjamin J., Chicago, Ill. Masonry treatment. 2,069,674; Feb. 2.

Mapes, Daniel, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Stored pressure medium container. 2,069,708; Feb. 2.

Mapes, Daniel, Montclair, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Holder for pressure medium containers or cartridges. 2,069,709; Feb. 2.

Marchant, Arthur W., Arlington, assignor of twenty per cent to T. C. McElroy and thirteen and one-third per cent to J. J. Hurley, Randolph, thirteen and one-third per cent to J. H. Dignan and thirteen and one-third per cent to C. A. Sullivan, Braintree, and twenty per cent to J. H. Malone, Wollaston, Mass. Moldable shoe heel composition and compounding same. 2,069,585; Feb. 2.

Marin, Jack, Brooklyn, and C. Levy, New York, N. Y. Automatic clothes weighing hamper. 2,069,499; Feb. 2.

Marks Products Co. Inc. (See Stott, Frank, assignor.)

Mars, Joseph, Altamont, Ill. Sectional inner tube for pneumatic tires. 2,069,586; Feb. 2.

Martin, Joseph, New York, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Couch bed. 2,069,258; Feb. 2.

Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Car end structure. 2,069,616; Feb. 2.

Massa, Robert F., New York, N. Y. Atomizer. 2,069,455; Feb. 2.

Mathieson Alkali Works, Inc., The. (See Cunningham, George L., assignor.)

Mathsen, Marvin L., Wharton, N. J. Delayed arming device for fuses. 2,069,259; Feb. 2.

Mattern, Heinrich M. M., Hilversum, assignor of part to Werkspoor N. V., Amsterdam, Netherlands. Starting an internal combustion engine. 2,069,587; Feb. 2.

Matthiessen, Conrad H., Jr., Pasadena, Calif., assignor to Meyer Coupling Company, Inc. Coupling device. 2,069,377; Feb. 2.

Mattimore, John D., Lynbrook, N. Y., assignor to Walworth Patents Inc., Boston, Mass. Valve. 2,069,588; Feb. 2.

Maurizi, Livia, Trenton, N. J. Hand grill. 2,069,617; Feb. 2.

Maytag Company, The. (See Mikulasek, John, assignor.)

McClune, Maris L., Kirkwood, Pa. Hitch. 2,069,416; Feb. 2.

McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Removing wax and resins from shellac. 2,069,533; Feb. 2.

McDuffee, Samuel. (See Brookshire, T. W., and McDuffee.)

McElroy, Theodore C., et al. (See Marchant, Arthur W., assignor.)

McGarry, Francis J., Detroit, Mich. Theft preventing bolt. 2,069,500; Feb. 2.

McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Chair. 2,069,456; Feb. 2.

McKay Company, The. (See McGowen, William R., assignor.)

McKee, Clinton Le B., St. John, New Brunswick, Canada. Window sash holder. 2,069,457; Feb. 2.

McKone, Leo J., assignor of one-half to D. D. Francis, Cleveland, Ohio, and one-eighth to K. E. Lyman, Chicago, Ill. Spark plug. 2,069,320; Feb. 2.

McLaughlin, Nelson E., Larchmont, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Tire display rack. 2,069,321; Feb. 2.

McLean, James A. D., Hampstead Gardens, Australia. Combined foot brake and accelerator control for motor vehicles. 2,069,618; Feb. 2.

McMillan, Ernest L., Houston, Tex. Typewriter line spacer. 2,069,550; Feb. 2.

Meijling, Joel, and T. Magnusson, Gothenburg, assignors to Kooperative Förbundet, Förening U. P. A., Stockholm, Sweden. Machine for manufacturing pavements from vulcanizable materials. 2,069,589; Feb. 2.

Mellor, Albert, and R. J. Mann, Spondon, near Derby, England, assignors to Celanese Corporation of America. Fabric treatment. 2,069,322; Feb. 2.

Mendelson, Jacob, Council Bluffs, Iowa. Combined pencil holder, sharpener, and advertising device. 2,069,619; Feb. 2.

Merrill, Patterson D., assignor to M. B. Skinner Company, South Bend, Ind. Pipe leak sealing gasket. 2,069,722; Feb. 2.

Merten, William J., Pittsburgh, Pa., assignor to The Nitralloy Corporation. Steel roll composition. 2,069,260; Feb. 2.

Messick, Charles, Brentwood, N. Y. Diaphragm and associated device. 2,069,551; Feb. 2.

Metcalf, Edgar E., Moville, Iowa. Grain separator and thresher. 2,069,735; Feb. 2.

Meyer Coupling Company. (See Matthiessen, Conrad H., Jr., assignor.)

Meyer, Egon. (See Schmidt, O., and Meyer.)

Meyer, Kurt. (See Scholl, R., Meyer, and Donat.)

Meyer, Louis W., Petoskey, Mich. Drying and mixing mechanism. 2,069,378; Feb. 2.

Midland Steel Products Company. (See Riemenschneider, E., and Smith, assignors.)

Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Roll for ironing machines. 2,069,552; Feb. 2.

Miller, Arthur J., Tenafly, N. J., assignor to Cinema Patents Company, Inc., New York, N. Y. Removing scratches from celluloid motion picture negative and positive films. 2,069,501; Feb. 2.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Helical gear shaping machine. 2,069,323; Feb. 2.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear lapping machine. 2,069,324; Feb. 2.

Milprint Products Corporation. (See Hanson, Roy E., assignor.)

Milwaukee Gas Specialty Company. (See Sackett, Warren W., assignor.)

Missbach, Edmund C., Berkeley, Calif., assignor to San Francisco Sulphur Company. Prepared sulphur. 2,069,710; Feb. 2.

Missbach, Edmund C., Oakland, Calif., assignor to Stauffer Chemical Company. Stabilized carbon tetrachloride. 2,069,711; Feb. 2.

Mitchell, James M., Old Lyme, Conn. Control valve mechanism for material tanks. 2,069,553; Feb. 2.

Moe, Walter W., Milan, Minn. Air cleaner. 2,069,379; Feb. 2.

Monk, Reginald H., and A. S. Ross, Montreal, Quebec, Canada, assignors to American Zinc, Lead & Smelting Company, St. Louis, Mo. Treating titanium dioxide. 2,069,554; Feb. 2.

Monnet, Georges, Chateau de Franiere, Namur, Belgium, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Feeding device and method. 2,069,261; Feb. 2.

Monsanto Chemical Company. (See Carswell, Thomas S., assignor.)

Montgomery, Terence N., Runcorn, England, assignor to Imperial Chemical Industries Limited. Manufacture of chlorinated rubber. 2,069,262; Feb. 2.

Moore, George A., assignor to Huinoco Corporation, Louisville, Ky. Container. 2,069,380; Feb. 2.

Moore, James M., Kansas City, Mo. Hat holder. 2,069,263; Feb. 2.

Morgan, Charles K., San Diego, Calif. Shoe and decorating same. 2,069,381; Feb. 2.

Morgan, John D., Summit, N. J., assignor to R. Peale, Clearfield, Pa., W. S. Davies, New York, N. Y., and W. B. Oakes, Rutherford, N. J., as trustees. Process and mechanism for separating intermixed divided materials. 2,069,325; Feb. 2.

Morris, Elmer C., assignor, by mesne assignments, to Robert-James Co., Chicago, Ill. Dispensing device. 2,069,264; Feb. 2.

Morrow, Henry W., assignor to Hillerich & Bradsby Co., Louisville, Ky. Baseball bat. 2,069,723; Feb. 2.

Mortensen, Cornelius, Louisville, Ky. Heat exchange apparatus. 2,069,555; Feb. 2.

Morton, William C., and F. J. Degenfelder, Lincoln, Nebr. Automobile turn signal. 2,069,382; Feb. 2.

Motor Terminals Company. (See Fitch, Benjamin F., assignor.)

Motor Terminals Company. (See Norbom, Ragnar A., assignor.)

Mowrey, L. D., et al. (See Hill, Richard D., assignor.)

Moyer, Howard R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Roller. 2,069,534; Feb. 2.

Munro, Alexander L. (See Rumpel, H. H., and Munro.)

Murray Corporation of America, The. (See Lehner, Louis, assignor.)

Murray Corporation of America, The. (See Widman, Charles H., assignor.)

Murtagh, Hugh, Brooklyn, and B. A. Wittkuhns, Summit, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Fire control system. 2,069,417; Feb. 2.

Musher Foundation Incorporated. (See Musher, Sidney, assignor.)

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Stabilized fats and oils. 2,069,265; Feb. 2.

Musick, George N., Huntington, W. Va. Filling device. 2,069,675; Feb. 2.

Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Sanderplane. 2,069,502; Feb. 2.

Myers Regulator Company, The. (See Kestel, Henry C., assignor.)

National Aniline & Chemical Company. (See Bishop, George M., assignor.)

National Malleable and Steel Castings Company. (See Blackmore, William, assignor.)

National Malleable & Steel Castings Company. (See Edmunds, Rex A., assignor.)

National Malleable and Steel Castings Company. (See Schwartz, Harry A., assignor.)

National Traffic Signal Company. (See Olafson, Alvin O., assignor.)

Nawiasky, Paul. (See Wolfram, A., Nawiasky, Langbein, and Elbs.)

Nedbalek, Frank, Cleveland, Ohio. Liquid dispenser. 2,069,383; Feb. 2.

Nelson, Ian T., Edinburgh, Scotland. Flat bed printing machine. 2,069,458; Feb. 2.

Neubronner, Carl, Oberursel, near the Taunus, Germany. Carrying device formed by an adhesive strip. 2,069,459; Feb. 2.

Neumann, Franz J., and W. R. Haubold, assignors to The Salt Dome Oil Corporation, Houston, Tex. Support. 2,069,590; Feb. 2.

Nevitt, Henry G., Kansas City, Mo., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacturing residual oils of high asphaltic content. 2,069,620; Feb. 2.

Newman, I., & Sons, Inc. (See Kispert, Joseph J., assignor.)

New York Central Railroad Company, The. (See Lentz, W. L., and Kantola, assignors.)

Nicodemus, Robert F., Frederick, Md. Bagging machine. 2,069,266; Feb. 2.

Nitralloy Corporation, The. (See Merten, William J., assignor.)

Norbom, Ragnar A., Clifton, N. J., assignor to Motor Terminals Company, New York, N. Y. Apparatus for supporting demountable bodies. 2,069,267; Feb. 2.

Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Multiple ignition switch. 2,069,676; Feb. 2.

Oakes, William B., et al., trustees. (See Morgan, John D., assignor.)

O'Connor, John J., New York, N. Y. Sealed powder container. 2,069,556; Feb. 2.

Ogden, Henry G., Galien, Mich. Exercising device. 2,069,384; Feb. 2.

Oglobiinsky, Gregory N., deceased, Collingswood, N. J., by V. K. Zworykin, administrator, Philadelphia, Pa., assignor to Radio Corporation of America. Cathode ray tube. 2,069,460; Feb. 2.

Oilgear Company, The. (See Ferris, Walter, assignor.)

Olafson, Alvin O., assignor to National Traffic Signal Company, St. Paul, Minn. Traffic signal and timer. 2,069,535; Feb. 2.

Ollagnon, Paul, Saint-Etienne, France. Liquid meter for reduced flows and low heads. 2,069,677; Feb. 2.

Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt fastener. 2,069,385; Feb. 2.

Olson, Sixten J. (See Lofquist, B. M., and Olson.)

O'Reilly, Cornelius W., Kew Gardens, N. Y. Deodorizer and antiseptic device. 2,069,419; Feb. 2.

Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Temperature regulation. 2,069,418; Feb. 2.

Otto, Martin H., assignor to The Wabash Screen Door Company, Minneapolis, Minn. Combination door. 2,069,268; Feb. 2.

Outboard Motors Corporation. (See Irgens, Finn T., assignor.)

Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)

Oxford Varnish Corporation. (See Eichstädt, Karl, assignor.)

Packard Motor Car Company. (See Paton, Clyde R., assignor.)

Palmer, Myron A., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Automatic gauging stop for shearing machines. 2,069,536; Feb. 2.

Palucki, Charles B., Bergenfield, assignor to Alfred Hofmann & Company, West New York, N. J. Lamp making machine. 2,069,386; Feb. 2.

Panos, Apostole, Long Beach, Calif. Shoe stretcher. 2,069,537; Feb. 2.

Paper Patents Company. (See Mahler, E., and Catlin, assignors.)

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,069,420; Feb. 2.

Patrick, Julian G., Western Port, Md., assignor to West Virginia Pulp and Paper Company, New York, N. Y. Cleaning sand filters and appurtenances. 2,069,621; Feb. 2.

Patterson Parchment Paper Company. (See Dufford, John R., assignor.)

Peale-Davis Company. (See Peale, Rembrandt, Jr., assignor.)

Peale, Rembrandt, Jr., St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Mechanism for separating intermixed divided materials. 2,069,326; Feb. 2.

Peale, Richard, et al., trustees. (See Morgan, John D., assignor.)

Peebles, David D., Eureka, Calif. Manufacturing a food product. 2,069,388; Feb. 2.

Peebles, David D., Eureka, Calif. Separating substances from gaseous mediums. 2,069,389; Feb. 2.

Pennsylvania Petroleum Research Corporation. (See Fenske, Merrell R., assignor.)

Penote, Augustus J., deceased, Shaker Heights, Ohio, by E. C. Penote, executrix. Power driven trencher. 2,069,712; Feb. 2.

Penote, Eleonora C., executrix. (See Penote, Augustus J.)

Perkins, Karl D., Providence, R. I. Method and apparatus for dehumidifying and cooling the air of mines. 2,069,269; Feb. 2.

Perlman, David, New York, N. Y. Timepiece. 2,069,622; Feb. 2.

Permutit Company, The. (See Tiger, H. L., and Goetz, assignors.)

Peters, Joseph, St. Louis, Mo. Combined cigarette case and lighter. 2,069,678; Feb. 2.

Petitcolas, Pierre, Rouen, assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements, Kuhlmann, Paris, France. Diazoamino compounds and their production. 2,069,461; Feb. 2.

Petko, Andrew M., Altoona, Pa. Rail joint. 2,069,478; Feb. 2.

Petmecky, Fred P., Austin, Tex., assignor to American Power-Cycle Corporation, Frederick, Md. Bicycle. 2,069,679; Feb. 2.

Peyser, Joseph, Mount Vernon, N. Y. Assembling articles. 2,069,503; Feb. 2.

Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Combination spoon and lure with weed guard. 2,069,724; Feb. 2.

Philpott, La Verne R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Radio optical modulation system. 2,069,538; Feb. 2.

Pickhaver, Lionel G., and W. W. Worley, Jr., Chicago, Ill., assignors to General Electric Company. Arc welding. 2,069,623; Feb. 2.

Pierce, Harold S., Indianapolis, Ind., assignor to Link Belt Company, Chicago, Ill. Drive chain. 2,069,591; Feb. 2.

Piganeau, Gérard P., Paris, France. Brake. 2,069,680; Feb. 2.

Piron, Emil H., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Elastic spring and making same. 2,069,270; Feb. 2.

Pityo, Albert F., Clifton, assignor to Tri State Cap & Cap Machinery Co., Inc., Newark, N. J. Inking mechanism. 2,069,504; Feb. 2.

Pluth, Jack L., Los Angeles, Calif. Tent. 2,069,479; Feb. 2.

Policansky, Hyman, Cape Town, Union of South Africa. Internal combustion engine. 2,069,557; Feb. 2.

Porter-Cable Machine Company Inc., The. (See Emmons, Arthur N., assignor.)

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag making machine. 2,069,592; Feb. 2.

Potdevin Machine Company. (See Potdevin, Adolph, assignor.)

Predix, John W., Shamokin Dam, assignor of one-half to C. P. Ferry, Port Trevorton, Pa. Curtain tie-back holder and support. 2,069,681; Feb. 2.

Prescott, Ford L., Dayton, Ohio. Torsional vibration recording instrument. 2,069,271; Feb. 2.

Prince, Warren V., Kansas City, Mo. Clock actuated display mechanism. 2,069,390; Feb. 2.

Prutton, Carl F., Cleveland, Ohio, and W. E. Roush, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich. Production of isobutylene and tertiary butyl chloride. 2,069,624; Feb. 2.

Purkins, William O. (See Wells, C. F., and Purkins.)

Radio Corporation of America. (See Chittick, K. A., and Conron, assignors.)

Radio Corporation of America. (See Headrick, Lewis B., assignor.)

Radio Corporation of America. (See Lane, Russell C., assignor.)

Radio Corporation of America. (See Ogloblinsky, Gregory N., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Rust, N. M., and Brett, assignors.)

Radio Corporation of America. (See Thomas, Adolph A., assignor.)

Radio Corporation of America. (See Wolff, Irving, assignor.)

Rauen, Carl F., Grosse Pointe, and F. H. Condon, and J. T. Rauen, Detroit, Mich., said Condon and said J. T. Rauen assignors, by mesne assignments, to Borg-Warner Corporation. Freewheeling clutch. 2,069,558; Feb. 2.

Rauen, John T. (See Rauen, Carl F., and J. T., and Condon.)

Ray, William A., and W. R. Ray, San Francisco, assignors to General Controls Company. Fuel pump. 2,069,327; Feb. 2.

Ray, William R. (See Ray, William A., and W. R.)

Reed, Dempson H., Houston, Tex. Outside pipe cutter. 2,069,593; Feb. 2.

Reiber, Albert H. (See Goetz, M. T., and Reiber.)

Renkin, Robert F., Sharon, Pa., assignor, by mesne assignments, to himself, H. A. Roemer, and J. M. Hughes, both of Youngstown, Ohio. Coating strip steel and product. 2,069,658; Feb. 2.

Research Corporation. (See Wintermute, Harry A., assignor.)

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,069,625; Feb. 2.

Richards, William H., Dayton, Ohio. Inertia operated electrical switch. 2,069,272; Feb. 2.

Riemenschneider, Ernest, and W. B. Smith, Lakewood, assignors to Midland Steel Products Company, Cleveland, Ohio. Blank for and method of making axle housings. 2,069,480; Feb. 2.

Ritter, Saul, Far Rockaway, N. Y. Clasp. 2,069,559; Feb. 2.

Robert-James Co. (See Morris, Elmer C., assignor.)

Roberts, Harold W., Riverside, assignor to Thompson Mfg. Co., Chicago, Ill. Tennis racket vise. 2,069,736; Feb. 2.

Roberts, Robert G., Kansas City, Mo., assignor to The Barrett Company, New York, N. Y. Pipe wrapping machine. 2,069,539; Feb. 2.

Roberts, Seward M., Maplewood, N. J. Signaling device. 2,069,682; Feb. 2.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Light measuring device. 2,069,505; Feb. 2.

Robertson, W. L., et al. (See Hill, Richard D., assignor.)

Roby, Edward B. (See Underwood, H. C., and Roby.)

Rocard, Yves. (See Hugon, J. J., and Rocard.)

Rockwell, Ronald J., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Loudspeaker installation for automotive radio sets. 2,069,328; Feb. 2.

Roehner, Theodore G., Malverne, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricant compound. 2,069,626; Feb. 2.

Roelfsema, Petrus J., Walnut Creek, assignor to Shell Development Company, San Francisco, Calif. Refining oils. 2,069,329; Feb. 2.

Roemer, Henry A., et al. (See Renkin, Robert F., assignor.)

Roosevelt, Marcus S., Highland Park, Mich., assignor to The Hamilton Autographic Register Company, Hamilton, Ohio. Manifolding attachment for typewriters. 2,069,659; Feb. 2.

Rosen, Raphael, Cranford, N. J., assignor to Standard Oil Development Company. Nonsludging oil. 2,069,273; Feb. 2.

Rosen, Raphael, Cranford, N. J., assignor to Standard Oil Development Company. Nonsludging oil. 2,069,274; Feb. 2.

Ross, Archibald S. (See Monk, R. H., and Ross.)

Ross, Hugh G., Ottawa, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor-driven kitchen utensil. 2,069,506; Feb. 2.

Rossmann, Rudolf, Gauting, near Munich, Germany, assignor to Tefag Textil-Finanz A.-G., Zurich, Switzerland. Dobby for weaving. 2,069,330; Feb. 2.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phenolic compounds. 2,069,275; Feb. 2.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tertiary alkyl-cyclohexyl phenols and preparing same. 2,069,560; Feb. 2.

Rott, Richard A., Madison, Wis. Refrigerated truck. 2,069,481; Feb. 2.

Roughton, Ernest A. (See Burge, J. E. P., and Roughton.)

Round Oak Company. (See Freeland, Frank J., assignor.)

Rouse, John H., Los Angeles, Calif. Projectable eraser. 2,069,462; Feb. 2.

Roush, Walter E. (See Prutton, C. F., and Roush.)

Rueb, Earl J., Oklahoma City, Okla. Storage battery grid. 2,069,463; Feb. 2.

Rumpel, Harvey H., and A. L. Munro, assignors to Smith Engineering Works, Milwaukee, Wis. Vibratory screen. 2,069,331; Feb. 2.

Rust, John B., Orange, N. J., assignor to Ellis-Foster Company. Drying oil composition and making same. 2,069,725; Feb. 2.

Rust, Noël M., Chelmsford, and G. F. Brett, Leeds, England, assignors to Radio Corporation of America. Electron discharge tube. 2,069,507; Feb. 2.

Rustless Iron and Steel Corporation. (See Arness, William B., assignor.)

Rustless Iron and Steel Corporation. (See Feild, Alexander L., assignor.)

Rutemiller, Oren G., Wilkinsburg, and T. H. Long, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic control for machine tools. 2,069,508; Feb. 2.

Ryan, Michael J., Denver, Colo., assignor to the Government of the United States, as represented by the Secretary of the Treasury. Life line projectile. 2,069,276; Feb. 2.

Sabella, James V. (See Gary, L., and Sabella.)

Sacerdote, Guido M., Bayside, N. Y. Reversible ribbon feed mechanism. 2,069,277; Feb. 2.

Sackett, Warren W., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Heat regulator for ovens and the like. 2,069,278; Feb. 2.

Salerni, Edoardo M., London, England, assignor to Societe d'Etudes et de Valorisation Industrielle des Combustibles, Societe a Responsabilite, Limitée, Paris, France. Apparatus for the distillation of solid carbonizable fuel. 2,069,421; Feb. 2.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Leaved package construction. 2,069,332; Feb. 2.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package structure. 2,069,333; Feb. 2.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Leaved package structure and closure. 2,069,334; Feb. 2.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Composite package. 2,069,335; Feb. 2.

Salt Dome Oil Corporation, The. (See Neumann, F. J. G., and Haubold, assignors.)

Salzbrenner, Herb A. (See Wilson, R., and Salzbrenner.)

Samiran, David, Dayton, Ohio. Liquid measuring apparatus. 2,069,279; Feb. 2.

Sample, Milton B., Houston, Tex. Mat. 2,069,391; Feb. 2.

Sampson, Robert W., assignor to C. J. Hardy, New York, N. Y. Pneumatic mattress and the like. 2,069,422; Feb. 2.

Sandidge, Benjamin B., Clarendon, Va. Portable bed lamp. 2,069,561; Feb. 2.

Sanford, Roy S., New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Steering mechanism. 2,069,540; Feb. 2.

San Francisco Sulphur Company. (See Missbach, Edmund C., assignor.)

San Francisco Sulphur Company. (See Wieder, Ferd W., assignor.)

Saunders, Arthur T., assignor to Truscon Laboratories, a subsidiary to the Truscon Steel Company, Detroit, Mich. Rust inhibiting coating. 2,069,660; Feb. 2.

Schantz, Jacob M., assignor to Hercules Powder Company, Wilmington, Del. Lacquer. 2,069,726; Feb. 2.

Schmidt, Otto, Ludwigshafen-on-the-Rhine, and E. Meyer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of derivatives of polyhydric alcohols. 2,069,336; Feb. 2.

Schneider, Rudolph, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine piston. 2,069,594 Feb. 2.

Schnorf, Armand, Saint-Aubin, Neuchatel, Switzerland. Apparatus for the analysis of a chemically purified water. 2,069,562; Feb. 2.

Scholl, Roland, Dresden, K. Meyer, Berlin-Zehlendorf, and J. Donat, Dresden, Germany. Mono-ketones of the pyrene series and making the same. 2,069,683; Feb. 2.

Schroeder, August M. Peotone, Ill. Growth exterminator. 2,069,684; Feb. 2.

Schuster, Karl R., New York, N. Y. Composite structural steel and reenforced concrete construction. 2,069,280; Feb. 2.

Schwartz, Harry A., Cleveland Heights, assingor to National Malleable and Steel Castings Company, Cleveland, Ohio. Ferrous alloy. 2,069,423; Feb. 2.

Schwarzhaupt, Paul J., Scotia, N. Y., assignor to General Electric Company. Tuning control. 2,069,627; Feb. 2.

Seay, James I., Memphis, Tenn. Well reamer. 2,069,482; Feb. 2.

Sebreny, Bernhard B., assignor to Chicago Carton Company, Chicago, Ill. Carton. 2,069,281; Feb. 2.

Seft, Rudolph R., Brackenridge, Pa. Sheet stacking apparatus. 2,069,424; Feb. 2.

Segal, Samuel, New York, N. Y. Key gauge. 2,069,563; Feb. 2.

Seguy, Jean D., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Cracking of hydrocarbon oils. 2,069,392; Feb. 2.

Seinfeld, Charles. (See Goldstein, Harry, assignor.)

Seneca Falls Machine Company. (See Smith, Edwin R., assignor.)

Sengstaken, John H. (See Armacost, W. H., and Sengstaken.)

Serdich, Theodore, Gary, Ind. Snippers. 2,069,685; Feb. 2.

Shafer Company, The. (See Ford, Frederick H., assignor.)

Shane, C. B., Corporation. (See Shane, Conrad B., assignor.)

Shane, Conrad B., Wilmette, assignor to C. B. Shane Corporation, Chicago, Ill. Overcoat. 2,069,628; Feb. 2.

Sheafe, Ralph J. (See Lounsbury, C. E., and Sheafe.)

Shell Development Company. (See Roelfsema, Petrus J., assignor.)

Shepherd, Solomon W., San Francisco, Calif. Amusement apparatus. 2,069,686; Feb. 2.

Shipp, Joseph H. (See Hunt, J. K., and Shipp.)

Shoemaker, Charles S., Jeannette, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of laminated glass. 2,069,425; Feb. 2.

Shuger, John K., et al. (See White, Frank M., assignor.)

Sicuro Corporation. (See Briggs, Arthur J., assignor.)

Siemens & Halske, Aktiengesellschaft. (See Fischel, Eduard, assignor.)

Silverman, Noah I., New York, N. Y. Bumper. 2,069,282; Feb. 2.

Sirian Lamp Company. (See Braselton, Chester H., assignor.)

Skaaa, Torleiv, Kristiansands, Norway, assignor to Detnorske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Dust separator. 2,069,483; Feb. 2.

Skinner, M. B., Company. (See Merrill, Patterson D., assignor.)

Sleeper, Inc. (See Lotz, Rudolph W., assignor.)

Slepian, Joseph, Pittsburgh, and L. R. Ludwig, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric arc device. 2,069,283; Feb. 2.

Sloan, Edward C., assignor to J. B. Hawley, Geneva, Ill. Inlaid fibrous bodied articles and producing same. 2,069,393; Feb. 2.

Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler. 2,069,629; Feb. 2.

Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Follow rest. 2,069,426; Feb. 2.

Smith Engineering Works. (See Rumpel, H. H., and Munro, assignors.)

Smith, L. C., & Corona Typewriters, Inc. (See Avery, Henry A., assignor.)

Smith, William B. (See Riemenschneider, E., and Smith.)

Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Monnet, Georges, assignor.)

Société d'Etudes et de Valorisation Industrielle des Combustibles, Société a Responsabilite Limitée. (See Salerni, Edoardo M., assignor.)

Société Van Cleef & Arpels. (See Arpels, Salomon (dit Charles), assignor.)

Society of Chemical Industry in Basle. (See Albrecht, Otto, assignor.)

Socony-Vacuum Oil Company. (See Nevitt, Henry G., assignor.)

Socony-Vacuum Oil Company. (See Roehner, Theodore G., assignor.)

Solo Automotive Manufacturing Company. (See Gary, L. and Sabella, assignors.)

Solomon, David I., New York, N. Y. Electrothermal therapeutic apparatus. 2,069,284; Feb. 2.

Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Machine for forming hollow glass containers. 2,069,541 Feb. 2.

Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Furnace. 2,069,542; Feb. 2.

Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermally responsive device. 2,069,727; Feb. 2.

Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)

Sperry Gyroscope Company. (See Murtagh, H. and Wittkuhns, assignors.)

Sperry, Philmore F., assignor to Excel Auto Radiator Company, Chicago, Ill. Heat exchange device. 2,069,728; Feb. 2.

Stackpole Carbon Company, The. (See Hathorn, Clarence J., assignor.)

Stanburrough, Wood A. (See Haines, Harley O., assignor.)

Standard Mailing Machines Company. (See Storck, Frederick W., assignor.)

Standard Mailing Machines Company. (See Storck, F. W., and Franson, assignors.)

Standard Oil Development Company. (See Rosen, Raphael, assignor.)

Stark, Horace, Detroit, Mich. Orientation device. 2,069,285; Feb. 2.

Stauffer Chemical Company. (See Missbach, Edmund C., assignor.)

Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Flow controlling device for refrigerating systems. 2,069,630; Feb. 2.

Steimel, Karl, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Multigrid tube regenerative circuit. 2,069,337; Feb. 2.

Stephens Pump Company. (See Abercrombie, J. S., Tennant, and Allen, assignors.)

Stephens Pump Company. (See Tennant, Joseph A., assignor.)

Stevenson, William, Westfield, N. J., assignor to American Telephone and Telegraph Company. Alarm circuit. 2,069,394; Feb. 2.

Stickney, Fernald S., Verona, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Temperature indicating system. 2,069,509; Feb. 2.

Stoll, Arthur, W. Kreis, and A. Hofman, assignors to firm "Chemical Works Formerly Sandoz", Basel, Switzerland. Partial hydrolysis of cardio-active digitalis glucosides and products obtained thereby. 2,069,687; Feb. 2.

Storck, Frederick W., Arlington, assignor to Standard Mailing Machines Company, Everett, Mass. Motor drive control for duplicating machines and the like. 2,069,729; Feb. 2.

Storck, Frederick W., Arlington, and C. V. Franson, Dorchester, assignors to Standard Mailing Machines Company, Everett, Mass. Fluid control for duplicators. 2,069,730; Feb. 2.

Stott, Frank, St. Albans, assignor to Marks Products Co. Inc., Brooklyn, N. Y. Knob fastener. 2,069,427; Feb. 2.

Strassner, Frank J., Maplewood Township, N. J. Ornament. 2,069,286; Feb. 2.

Stuebing, William, Jr., Cincinnati, Ohio. Stand for display devices. 2,069,484; Feb. 2.

Submarine Signal Company. (See Batcheider, Laurence, assignor.)
Submarine Signal Company. (See Kunze, Willy, assignor.)
Sullivan, Cornelius A., et al. (See Marchant, Arthur W., assignor.)
Superheater Company, The. (See Armacost, W. H., and Sengstaken, assignors.)
Superheater Company, The. (See Gordon, C. W., and Birmingham, assignors.)
Swallow, Francis P., assignor to United States Envelope Company, Worcester, Mass. Manufacture of drinking cups. 2,069,287; Feb. 2.
Swallow, Francis P., assignor to United States Envelope Company, Worcester, Mass. Manufacture of sanitary drinking cups. 2,069,288; Feb. 2.
Sweet, Donald H., Evanston, Ill., assignor to Hazelett Metals, Inc., New York, N. Y. Metallurgy. 2,069,485; Feb. 2.
Swendsen, Harold G., and C. L. Young, Seattle, Wash. Metal backed cove and end closure for the same. 2,069,289; Feb. 2.
Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)
Symington-Gould Corporation, The. (See Couch, Glenn F., assignor.)
Tatum, John J., Baltimore, Md. Cushioning means for vehicles. 2,069,688; Feb. 2.
Tautz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Safety shield. 2,069,395; Feb. 2.
Taylor, William E., East Orange, N. J., assignor to American Can Company, New York, N. Y. Sorting and counting device. 2,069,290; Feb. 2.
Tefag Textil-Finanz A.-G. (See Rossmann, Rudolf, assignor.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Steimel, Karl, assignor.)
Teletype Corporation. (See Goetz, M. T., and Reiber, assignors.)
Tennant, Joseph A. (See Abercrombie, J. S., Tennant, and Allen.)
Tennant, Joseph A., Houston, assignor, by mesne assignments, to Stephens Pump Company, Round Rock, Tex. Pump. 2,069,338; Feb. 2.
Tennessee Valley Authority. (See Curtis, Harry A., assignor.)
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Recording and reproducing apparatus. 2,069,595; Feb. 2.
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Apparatus for recording and reproducing sound. 2,069,631; Feb. 2.
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Optical sound-reproducing apparatus. 2,069,632; Feb. 2.
Thomason, Hjalmar, Los Angeles, Calif. Brake lining machine. 2,069,291; Feb. 2.
Thompson Mfg. Co. (See Roberts, Harold W., assignor.)
Tiede, George A., London, Ontario, Canada. Fishing tackle carrier. 2,069,661; Feb. 2.
Tierney, Columbus A. (See Eager, Wesley W., assignor.)
Tiger, Howard L., New York, N. Y., and P. C. Goetz, Mount Holly, N. J., assignors to The Permutit Company, New York, N. Y. Stabilizing base exchanging humates. 2,069,564; Feb. 2.
Tilden, Paul S., New York, N. Y. Prevention of efflorescence on silicate films. 2,069,486; Feb. 2.
Timken-Detroit Axle Company, The. (See Keese, Beverly W., assignor.)
Timken Silent Automatic Company, The. (See Brinkert, Carroll A., assignor.)
Tobiason, Arnold J., Amityville, N. Y. Cast iron double hub running trap. 2,069,428; Feb. 2.
Tobin, James H., assignor to Tobin Tool and Die Company, Inc., Fond du Lac, Wis. Camera. 2,069,339; Feb. 2.
Tobin Tool and Die Company, Inc. (See Tobin, James H., assignor.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Trca, Charles, Pontiac, Mich. Heater for automobile engines. 2,069,689; Feb. 2.
Treppenhauer, Max, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of 2,3-dihydroindoles. 2,069,662; Feb. 2.
Treseder, William L., Pontypridd, near Cardiff, South Wales. Piston. 2,069,565; Feb. 2.
Tripp, Augustus B., Schenectady, N. Y., assignor to General Electric Company. Frequency determining unit for piezoelectric crystal controlling oscillators. 2,069,633; Feb. 2.
Tri State Cap & Cap Machinery Co. (See Pityo, Albert F., assignor.)
Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
Trümpler, Gottfried, Kusnacht (Zurich), assignor to Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft, Basel, Switzerland. Apparatus and process for dividing viscous masses. 2,069,731; Feb. 2.
Truscon Laboratories. (See Saunders, Arthur T., assignor.)
Turner, Albert J. (See Kittredge, H. G., and Turner.)
Turner, Chester D., Manchester, N. H., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 2,069,396; Feb. 2.
Tuttle, Robert L., Woodbridge, N. J., assignor to Zialite Corporation. Nickel plating solutions and processes. 2,069,566; Feb. 2.
Ulrich, Frederick, assignor to Conmar Products Corporation, New York, N. Y. Apparatus for the manufacture of slide fasteners. 2,069,429; Feb. 2.
Umling, John, Ellwood City, Pa. Bow gun. 2,069,464; Feb. 2.
Underwood, Howard C., and E. B. Roby, New York, N. Y. Apparatus for pointing corners. 2,069,341; Feb. 2.
Union Switch & Signal Company, The. (See Vanhorn, James J., assignor.)
United Aircraft Corporation. (See Beardsley, Guy E., Jr., assignor.)
United Shoe Machinery Corporation. (See Cocozella, Anthony, Jr., assignor.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United Shoe Machinery Corporation. (See Klein, Hyman H., assignor.)
United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)
United Shoe Machinery Corporation. (See Turner, Chester D., assignor.)
United States Cabinet Bed Co. (See Martin, Joseph, assignor.)
United States Envelope Company. (See Swallow, Francis P., assignor.
United States Rubber Company. (See Curtiss, Nathaniel H., assignor.)
United States Rubber Company. (See McLaughlin, Nelson E., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Vanhorn, James J., assignor to Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,069,342; Feb. 2.
Vanhorn, James J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 2,069,634; Feb. 2.
Van Riper, Charles K., Carmel, Calif. Game board and table. 2,069,487; Feb. 2.
Von Barth, Arthur, New York, N. Y. Currency bill counting and bunching machine. 2,069,397; Feb. 2.
Von Groeling, Albrecht, Los Angeles, Calif. Treating oil. 2,069,596; Feb. 2.
Voss, Johann H. H., White Plains, N. Y. Condenser for refrigerating systems. 2,069,430; Feb. 2.
Waage, John J., Bronx, assignor to Globe Slicing Machine Co., Inc., New York, N. Y. Grinder. 2,069,431; Feb. 2.
Wabash Screen Door Company, The. (See Otto, Martin H., assignor.)
Walker, Clarence H., San Mateo, Calif. Forcing plant growth. 2,069,292; Feb. 2.
Wallace, John J., Gouverneur, N. Y. Rotary beater and pneumatic separator. 2,069,398; Feb. 2.
Wallenbeck, William G., Sandwich, Ill. Safety razor. 2,069,465; Feb. 2.
Walworth Patents Inc. (See Mattimore, John D., assignor.)
Watanabe, Saburo, Kita-Shinagawa, Shinagawa-Ku, Tokyo, Japan. Automatic device for automatic firearms. 2,069,432; Feb. 2.
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Wells, Charles F., and W. O. Purkins, Temple, Tex. Device for applying paper bags to garments. 2,069,690; Feb. 2.
Werkspoor N. V. (See Mattern, Heinrich M. M., assignor.)
Western Union Telegraph Company, The. (See Beardsley, B., and Creedon, assignors.)
Westinghouse Electric Elevator Company. (See White, Kenneth M., assignor.)
Westinghouse Electric Elevator Company. (See Williams, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, Rest R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Davis, Robert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric & Manufacturing Company. (See Moyer, Howard R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Philpott, La Verne R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ross, Hugh G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rutemiller, O. G., and Long, assignors.)
Westinghouse Electric & Manufacturing Company. (See Slepian, J., and Ludwig, assignors.)
Westinghouse Electric & Manufacturing Company. (See Stickney, Fernald S., assignor.)

West Virginia Pulp and Paper Company. (See Patrick, Julian G., assignor.)
Whealton, Harold. (See Axtell, Frank C., assignor.)
Whenham, Everett L., Los Angeles, Calif. Shoe cabinet. 2,069,635; Feb. 2.
White, Frank M., Forest Park, assignor of one-third to J. K. Shuger and one-third to E. E. Colby, Chicago, Ill. Spring suspension for automobiles. 2,069,399; Feb. 2.
White, Henry L., Red Bluff, Calif. Removing ice cubes from refrigerator trays. 2,069,567; Feb. 2.
White, John W., Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation. Hydraulic brake. 2,069,343; Feb. 2.
White, John W., Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation. Brake mechanism. 2,069,344; Feb. 2.
White, Kenneth M., Tenafly, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Control system. 2,069,510; Feb. 2.
White, William S., Denver, Colo. Automatic intermittent flush valve. 2,069,340; Feb. 2.
Whitehead, William. (See Dreyfus, C., and W. Whitehead.)
Whitin Machine Works. (See Horner, Leon H., assignor.)
Whitin Machine Works. (See Jessen, John A., assignor.)
Widman, Charles H., Detroit, Mich., assignor to The Murray Corporation of America. Trunk compartment. 2,069,345; Feb. 2.
Wieder, Ferd W., Berkeley, Calif., assignor to San Francisco Sulphur Company. Free running sulphur. 2,069,568; Feb. 2.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Upsetting mechanism. 2,069,511; Feb. 2.
Wildhaber, Ernest, Irondequoit, N. Y. Gear drive. 2,069,433; Feb. 2.
Wiley, Samuel, Metuchen, N. J. Holder for cartridges. 2,069,293; Feb. 2.
Wilka, Gustave A., assignor to The De Vilbiss Company, Toledo, Ohio. Spray-gun nozzle. 2,069,346; Feb. 2.
Williams, Arthur F., St. Paul, Minn. Eyeglass construction. 2,069,347; Feb. 2.
Williams, C. K., & Co. (See Ayers, Joseph W., assignor.)
Williams, Harold W., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 2,069,512; Feb. 2.
Wilson, Charles P., Jr., Houston, Tex. Manufacture of oil soluble phenols. 2,069,294; Feb. 2.
Wilson, Edwin R., and G. L. Wilson, Independence, Oreg. Internal combustion engine governor. 2,069,466; Feb. 2.
Wilson, Frederic L., Stuart, Nebr. Stitch scissors. 2,069,636; Feb. 2.
Wilson, George L. (See Wilson, Edwin R., and G. L.)
Wilson, Henry W., assignor to J. W. Wood Elastic Web Co., Stoughton, Mass. Elastic fabric with leno weave. 2,069,295; Feb. 2.
Wilson, Ralph, and H. A. Salzbrenner, Denver, Colo. Sock clamp for bolting machines. 2,069,691; Feb. 2.
Wilson, Russell E., Cleveland, Ohio. Method and apparatus for controlling arc. 2,069,597; Feb. 2.
Winget, Horatio, Waterloo, Ill. Friction clutch. 2,069,467; Feb. 2.
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitation. 2,069,692; Feb. 2.
Wittich, Edward H., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Apparatus for making electron-emitting cathodes. 2,069,637; Feb. 2.
Wittkuhns, Bruno A. (See Murtagh, H., and Wittkuhns.)
Wohlfarth, John C. (See Lang, W. B., and Wohlfarth.)
Wolff, Irving, Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio transmitting and receiving system. 2,069,513; Feb. 2.
Wolfram, Arthur, Frankfort-on-the-Main, P. Nawiasky, Ludwigshafen-on-the-Rhine, G. Langbein, Hofheim on Taunus, and W. Elbs, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone series and preparing them. 2,069,663; Feb. 2.
Wood, J. W., Elastic Web Co. (See Wilson, Henry W., assignor.)
Woodbury, Clifford A. (See Kirst, W. E., and Woodbury.)
Woodstock Typewriter Company. (See Koca, James F., assignor.)
Woolley, Clarence M., assignor to American Radiator Company, New York, N. Y. Air-current attachment for heating radiators. 2,069,732; Feb. 2.
Word, Clifford J. (See Hinman, G. L., and Word.)
Worley, William W., Jr. (See Pickhaver, L. G., and Worley.)
Worth Company, The. (See Butterworth, Samuel D., assignor.)
Woytych, Raymond M., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool and method. 2,069,296; Feb. 2.
Wright, Daniel K., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp or similar device. 2,069,638; Feb. 2.
Wylie, William M., Ocean Beach, Calif. Table football game. 2,069,514; Feb. 2.
Young, Carl L. (See Swendsen, H. G., and Young.)
Young, Leonard P., New York, N. Y. Heating unit. 2,069,348; Feb. 2.
Young, Otto W., East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 2,069,569; Feb. 2.
Zialite Corporation. (See Tuttle, Robert L., assignor.)
Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Shower head. 2,069,733; Feb. 2.
Zworykin, Vladimir K., administrator. (See Ogloblinsky, Gregory N.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cooler, Water. A. E. Nave. 20,259; Feb. 2.

Pad, Waxing. W. W. Weller. 20,260; Feb. 2.

LIST OF PLANT INVENTIONS

Camellia. E. A. McIlhenny. 231; Feb. 2.

Tree, Peach. J. Perry. 232; Feb. 2.

LIST OF DESIGN INVENTIONS

Blouse. J. Solomon. 103,075; Feb. 2.
Bottle. E. W. Fuerst. 103,065; Feb. 2.
Bottle. F. E. Higgins. 103,048–9; Feb. 2.
Bottle. F. E. Higgins. 103,051; Feb. 2.
Bottle. L. Mann. 103,056; Feb. 2.
Bottle. J. A. Oya and R. A. Larson. 103,082; Feb. 2.
Bottle and stopper therefor, Combined. F. McIntosh. 103,080; Feb. 2.
Bottle, Toilet. B. Hurst. 103,011–12; Feb. 2.
Bowl or similar article, Sugar. Y. Buma. 103,029; Feb. 2.
Bracelet. R. Massa. 102,988; Feb. 2.
Brassière. W. Rosenthal. 103,068; Feb. 2.
Buckle. P. F. Ashton. 103,003; Feb. 2.
Button. J. S. Lichter. 103,021; Feb. 2.
Cabinet. J. R. Morgan. 103,074; Feb. 2.
Cabinet, Beverage cooler. E. Worthington. 103,000; Feb. 2.
Cabinet, Refrigerator. J. W. Norrish and R. H. Money. 102,992; Feb. 2.
Cabinet, Shoe. F. O. Tashjian. 102,998; Feb. 2.
Cabinet, Vending machine. W. F. Main. 103,055; Feb. 2.
Candlestick or similar article. G. Sakier. 103,057–8; Feb. 2.
Candlestick or similar article. F. Williams. 103,060; Feb. 2.
Canister. G. W. Stallings. 103,076; Feb. 2.
Casing for a fruit mixer. M. Harrison. 103,078; Feb. 2.
Casing for a suction cleaner or similar article. D. G. Smellie. 102,994; Feb. 2.
Chair. A. J. Baum. 102,978; Feb. 2.
Chair or similar article. H. J. Terker. 102,999; Feb. 2.
Clock and lamp, Combined revolving. R. Magro. 103,071; Feb. 2.
Comb, Side. A. Girouard. 103,047; Feb. 2.
Creamer or similar article. Y. Buma. 103,028; Feb. 2.
Cupboard. J. R. Morgan. 103,072–3; Feb. 2.
Dolly, Panorama. R. G. Fear. 103,077; Feb. 2.
Dress. T. Coleman. 103,010; Feb. 2.
Dress. M. Extract. 103,062–3; Feb. 2.
Fabric, Knitted. W. J. Benlston. 102,979; Feb. 2.
Fabric or similar article of manufacture, Textile. J. F. Gaul, Jr. 102,985; Feb. 2.
Fabric or similar article, Textile. H. D. Mendelsohn. 102,989; Feb. 2.
Fabric, Textile. S. Breakstone. 102,980; Feb. 2.
Fabric, Textile. S. Breakstone. 103,061; Feb. 2.
Fabric, Textile. G. Feinberg. 102,064; Feb. 2.
Fabric, Textile. C. E. Forstmann; 102,983–4; Feb. 2.
Fabric, Textile. E. I. Hanson. 102,986; Feb. 2.
Fabric, Textile. E. I. Hanson. 103,070; Feb. 2.
Fabric, Textile. W. Kaplan. 103,066; Feb. 2.
Fabric, Textile. J. Mack. 103,067; Feb. 2.
Fabric, Textile. P. Reiman. 103,083–6; Feb. 2.
Fabric, Textile. M. Turpan. 103,087–9; Feb. 2.
Fabric, Textile. H. W. Wilde. 103,090; Feb. 2.
Handle, Cigar lighter. B. G. Cochrane. 103,044; Feb. 2.
Handle for a kettle. A. W. Nelson. 102,991; Feb. 2.
Hinge and pull assembly for automobiles, Rear door. A. Carlson. 103,043; Feb. 2.
Jar. F. E. Higgins. 103,050; Feb. 2.
Jar or similar article, Jam. Y. Buma. 103,031; Feb. 2.
Knife, Paper. R. H. Stewart. 102,995; Feb. 2.
Latch, Refrigerator. R. Loewy. 103,024; Feb. 2.
Light, Signal. J. D. Kennelly. 103,052; Feb. 2.
Medallion or similar article. B. Puciloski. 102,993; Feb. 2.
Ornament, Illuminated wreath. B. F. Muldoon. 102,990; Feb. 2.
Plate or similar article. Y. Buma. 103,004–9; Feb. 2.
Plate or similar article. Y. Buma. 103,034–42; Feb. 2.
Radio receiving apparatus. C. J. Meyer. 103,081; Feb. 2.
Refrigerator. R. Loewy. 103,023; Feb. 2.
Refrigerator. E. Worthington. 103,001; Feb. 2.
Ring, Finger. F. Carolan and R. R. Rhoerbaugh. 103,002; Feb. 2.
Sandal or similar article. J. V. Ferriot. 102,981–2; Feb. 2.
Saxophone. A. Loomis. 103,025–6; Feb. 2.
Shaker or similar article, Salt and pepper. Y. Buma. 103,033; Feb. 2.
Shoe. L. Lazar. 103,013; Feb. 2.
Shoe. N. P. Liberty. 103,014–20; Feb. 2.
Shoe. M. Lippert. 103,022; Feb. 2.
Shoe. A. W. Lutz. 103,053–4; Feb. 2.
Shoe. O. F. Stock. 102,996–7; Feb. 2.
Sign. R. D. Ellis. 103,045–6; Feb. 2.
Sink. R. B. Janes. 102,987; Feb. 2.
Stand, Display. O. Jordheim. 103,079; Feb. 2.
Store. G. L. Smith. 103,059; Feb. 2.
Symbol, Funeral. D. J. Slattery. 103,027; Feb. 2.
Tank, Truck. O. N. Gredell. 103,069; Feb. 2.
Teapot or similar article. Y. Buma. 103,030; Feb. 2.
Tub or similar article, Butter. Y. Buma. 103,032; Feb. 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. A. N. Emmons. 2,069,700; Feb. 2.
Accordion. C. Iorio. 2,069,447; Feb. 2.
Acid and product thereof, Polymerizing hydrocyanic. H. C. Adams and H. D. Green. 2,069,543; Feb. 2.
Acid containing amyloid, Concentration of dilute sulphuric. J. R. Dufford. 2,069,472; Feb. 2.
Acid, Synthesis of hydrocyanic. P. J. Carlisle and A. D. Macallum. 2,069,545; Feb. 2.
Advertising device, Display. P. Horinstein. 2,069,368; Feb. 2.
Air cleaner. W. W. Moe. 2,069,379; Feb. 2.
Air-current attachment for heating radiators. C. M. Woolley. 2,069,732; Feb. 2.
Air of mines, Method and apparatus for dehumidifying and cooling the. K. D. Perkins. 2,069,269; Feb. 2.
Air preheater. E. Creutz. 2,069,519; Feb. 2.
Alcoholates, Making alkali metal. G. L. Cunningham. 2,069,403; Feb. 2.
Alcoholates, Manufacture of alkali metal. G. L. Cunningham. 2,069,404; Feb. 2.
Alcohols, Production of derivatives of polyhydric. O. Schmidt and E. Meyer. 2,069,336; Feb. 2.
Aligning device for disengageable slide fasteners. J. J. Kispert. 2,069,655; Feb. 2.
Alloy, Ferrous. H. A. Schwartz. 2,069,423; Feb. 2.
Alloys of appreciable nitrogen content, Producing iron chromium. W. B. Arness. 2,069,205; Feb. 2.
Amines, Manufacture of hydroxy aliphatic. H. Dreyfus. 2,069,302; Feb. 2.
Amusement apparatus. S. W. Shepherd. 2,069,686; Feb. 2.
Amusement ride. J. N. Bartlett. 2,069,664; Feb. 2.
Antifriction bearing. O. W. Young. 2,069,569; Feb. 2.
Antirattler, Window. H. Golden. 2,069,719; Feb. 2.
Arming device for fuses, Delayed. M. L. Mathsen. 2,069,259; Feb. 2.
Article of manufacture made from cypress knee. T. Gaskins, Jr. 2,069,580; Feb. 2.
Articles, Assembling. J. Peyser. 2,069,503; Feb. 2.
Ash receiver. C. E. Berg. 2,069,400; Feb. 2.
Atomizer. R. F. Massa. 2,069,455; Feb. 2.
Attachment plug. G. H. Lane. 2,069,375; Feb. 2.
Automatic device for automatic firearms. S. Watanabe. 2,069,432; Feb. 2.
Automobile turn signal. W. C. Morton and F. J. Degenfelder. 2,069,382; Feb. 2.
Automobiles and parts thereof, Apparatus for ganging and straightening. G. L. Hunt. 2,069,249; Feb. 2.
Bag making machine. A. Potdevin. 2,069,592; Feb. 2.
Bagging machine. R. F. Nicodemus. 2,069,266; Feb. 2.
Bags for garments, Device for applying paper. C. F. Wells and W. O. Purkins. 2,069,690; Feb. 2.
Barrel stave. L. Lehner. 2,069,531; Feb. 2.
Bat, Baseball. H. W. Morrow. 2,069,723; Feb. 2.
Battery grid, Storage. E. J. Rueb. 2,069,463; Feb. 2.
Bearing: *See*—
  Antifriction bearing. Rubber bearing.
Beater and pneumatic separator, Rotary. J. J. Wallace. 2,069,398; Feb. 2.
Bed. M. Elliman. 2,069,604; Feb. 2.
Bed, Couch. J. Martin. 2,069,258; Feb. 2.
Bed lamp, Portable. B. B. Sandidge. 2,069,561; Feb. 2.
Belt fastener. J. C. Olsen. 2,069,385; Feb. 2.
Beverage cooler. E. J. Lagomarsino. 2,069,374; Feb. 2.
Bicycle. F. P. Petmecky. 2,069,679; Feb. 2.
Billing machine. W. A. Eagan. 2,069,489; Feb. 2.
Bituminous compositions, Making. J. K. Hunt and J. H. Shipp. 2,069,314; Feb. 2.
Blade, Windshield wiper. O. H. Dohler. 2,069,699; Feb. 2.
Blank for and method of making axle housings. E. Riemenschneider and W. B. Smith. 2,069,480; Feb. 2.
Board and table, Game. C. K. Van Riper. 2,069,487; Feb. 2.
Board tilting mechanism, Drain. V. E. Dunn. 2,069,649; Feb. 2.
Bodies, Apparatus for supporting demountable. B. F. Fitch. 2,069,235; Feb. 2.
Bodies, Apparatus for supporting demountable. R. A. Norbom. 2,069,267; Feb. 2.
Bodies, Mechanism for raising and supporting demountable. B. F. Fitch. 2,069,236; Feb. 2.
Boiler: *See*—
  Mercury boiler. Steam boiler.
Bolt, Theft preventing. F. J. McGarry. 2,069,500; Feb. 2.
Bookbinding. F. Brown. 2,069,211; Feb. 2.
Bores, Straightening well. M. G. Earley. 2,069,603; Feb. 2.
Bottle capping machine, Milk. A. J. Briggs. 2,069,351; Feb. 2.
Box: *See*—
  Journal box. Stuffing box.
Brake: *See*—
  Electric brake. Hydraulic brake.
Brake. G. P. Piganeau. 2,069,680; Feb. 2.
Brake and accelerator control for motor vehicles, Combined foot. J. A. McLean. 2,069,618; Feb. 2.
Brake lining machine. H. Thomason. 2,069,291; Feb. 2.
Brake mechanism. J. W. White. 2,069,344; Feb. 2.
Brakes, Device for bleeding hydraulic. L. Gary and J. V. Sabella. 2,069,606; Feb. 2.
Brief case. S. H. Lifton. 2,069,255; Feb. 2.
Building construction. W. D. Mann. 2,069,657; Feb. 2.
Bumper. N. I. Silverman. 2,069,282; Feb. 2.
Bumper for a window glass. J. L. Conlon. 2,069,219; Feb. 2.
Bumper, Vehicle. C. I. Geddes. 2,069,548; Feb. 2.
Bunch building mechanism. J. A. Jessen. 2,069,450; Feb. 2.
Burner tip, Oil. W. B. Lang and J. C. Wohlfarth. 2,069,498; Feb. 2.
Cabinet, Shoe. E. L. Whenham. 2,069,635; Feb. 2.
Camera. J. H. Tobin. 2,069,339; Feb. 2.
Car end structure. M. H. Martin. 2,069,616; Feb. 2.
Car loading device. S. D. Butterworth. 2,069,644; Feb. 2.
Carbon tetrachloride, Stabilized. E. C. Missbach. 2,069,711; Feb. 2.
Carburetor. S. F. Briggs. 2,069,642; Feb. 2.
Carpeting. F. H. Higgins. 2,069,310; Feb. 2.
Carriage traversing mechanism. W. H. Howe. 2,069,493; Feb. 2.
Carrier: *See*—
  Fishing tackle carrier.
Carrier for rolls, Shipping. E. O. Carlson. 2,069,300; Feb. 2.
Carrying device formed by an adhesive strip. C. Neubronner. 2,069,459; Feb. 2.
Carton. B. B. Sebreny. 2,069,281; Feb. 2.
Case: *See*—
  Brief case.
Cathode and activation, Thermionic. G. R. Fonda. 2,069,407; Feb. 2.
Cathode ray tube. G. N. Ogloblinsky. 2,069,460; Feb. 2.
Cathodes, Apparatus for making electron-emitting. E. H. Wittich. 2,069,637; Feb. 2.
Chain: *See*—
  Drive chain.
Chair. W. R. McGowen. 2,069,456; Feb. 2.
Chloranisidine isomers, Separation of. T. S. Carswell. 2,069,546; Feb. 2.
Chuck adapted for stud driver or the like. A. I. Kirkland. 2,069,527; Feb. 2.
Cigarette case and lighter, Combined. J. Peters. 2,069,678; Feb. 2.
Circuit, Alarm. W. Stevenson. 2,069,394; Feb. 2.
Circuit and flashlight battery connection, Combined. D. R. Clarke. 2,069,355; Feb. 2.
Circuit breaker, Automatic reset. W. H. Frank. 2,069,305; Feb. 2.
Circuit controller. G. C. Brown. 2,069,599; Feb. 2.
Circuit interrupter, Electric. R. E. Bold, C. R. Brown, and L. S. Hobson. 2,069,641; Feb. 2.
Circuit, Multigrid tube regenerative. K. Steimel. 2,069,337; Feb. 2.
Circuit, Remote control. R. C. Lane. 2,069,614; Feb. 2.
Circuits, Electrical. L. Batchelder. 2,069,208; Feb. 2.
Clamp for bolting machines, Sock. R. Wilson and H. A. Salzbremer. 2,069,691; Feb. 2.
Clasp. S. Ritter. 2,069,559; Feb. 2.
Cleaner: *See*—
  Air cleaner. Fluid heater cleaner.
Closure, Container. O. Höchstädter. 2,069,410; Feb. 2.
Clutch: *See*—
  Freewheeling clutch. Friction clutch.
Clutch rheostat, Friction. C. J. Hathorn. 2,069,440; Feb. 2.
Coating, Rust inhibiting. A. T. Saunders. 2,069,660; Feb. 2.
Coffee making apparatus. R. Ferris. 2,069,229; Feb. 2.
Coil unit. N. Dinion. 2,069,357; Feb. 2.
Combination lock. H. E. Berggren. 2,069,572; Feb. 2.
Communication system, Secret. R. N. Hunter. 2,069,369; Feb. 2.
Composition of matter for the softening of textiles. O. Albrecht. 2,069,570; Feb. 2.

Compounds obtained by hydrogenation of carbide oxides, Product and process of sulphation of. R. G. Clarkson. 2,069,547; Feb. 2.
Condenser: *See*—
Variable condenser.
Condenser arrangement, Surface type. P. Hösel. 2,069,653; Feb. 2.
Condenser for refriegrating systems. J. H. H. Voss. 2,069,430; Feb. 2.
Container: *See*—
Freight container. Pressure medium containe
Powder container.
Container. A. J. Chamberlain. 2,069,354; Feb. 2.
Container. R. J. and G. A. Hutt. 2,069,549; Feb. 2.
Container. G. A. Moore. 2,069,380; Feb. 2.
Container and closure cap therefor. H. Carew. 2,069,213; Feb. 2.
Control arrangement for motors, particularly rudder motors. E. Fischel. 2,069,605; Feb. 2.
Control chute means. C. S. Johnson. 2,069,451; Feb. 2.
Control device. T. A. Rich. 2,069,625; Feb. 2.
Control element for the flushing device in hydraulic gears. O. Heerdt. 2,069,366; Feb. 2.
Control for machine tools, Automatic. O. G. Rutemiller and T. H. Long. 2,069,508; Feb. 2.
Control system. K. M. White. 2,069,510; Feb. 2.
Cooler: *See*—
Beverage cooler.
Cooling system. W. L. Dudley. 2,069,359; Feb. 2.
Corners, Apparatus for pointing. H. C. Underwood and E. B. Roby. 2,069,341; Feb. 2.
Coupler, Speed. I. L. Eastman. 2,069,434; Feb. 2.
Coupling device. C. H. Matthiessen, Jr. 2,069,377; Feb. 2.
Cove and end closure for the same, Metal baked. H. G. Swendsen and C. L. Young. 2,069,289; Feb. 2.
Cover: *See*—
Spring cover.
Cups, Manufacture of drinking. F. P. Swallow. 2,069,287; Feb. 2.
Cups, Manufacture of sanitary drinking. F. P. Swallow. 2,069,288; Feb. 2.
Currency bill counting and bunching machine. A. von Barth. 2,069,397; Feb. 2.
Current dispensing device, Electric. H. W. Ackley. 2,069,200; Feb. 2.
Currents, Transmission of sound. E. S. Lansing. 2,069,316; Feb. 2.
Curtain, Semi-transparent shower. A. Coleman. 2,069,600; Feb. 2.
Cushioning means for vehicles. J. J. Tatum. 2,069,688; Feb. 2.
Cutter: *See*—
Pipe cutter.
Cylinder separating mechanism for printing presses. A. T. Koppe. 2,069,613; Feb. 2.
Defrosting apparatus. I. Allison. 2,069,201; Feb. 2.
Deodorizer and antiseptic device. C. W. O'Reilly. 2,069,419; Feb. 2.
Detachable handle. H. Gilbert. 2,069,523; Feb. 2.
Diaphragm and associated device. C. Messick. 2,069,551; Feb. 2.
Diazoamino compounds and their production. P. Petitcolas. 2,069,461; Feb. 2.
Die for connecting pipes. C. W. Gordon and T. F. Birmingham. 2,069,524; Feb. 2.
Dish, Dispensing. H. H. Klein. 2,069,371; Feb. 2.
Dispenser: *See*—
Liquid dispenser.
Dispenser for coffee cans. H. Goldstein. 2,069,438; Feb. 2.
Dispensing device. A. Heseltine. 2,069,442; Feb. 2.
Dispensing device. J. P. Lima. 2,069,673; Feb. 2.
Dispensing device. E. C. Morris. 2,069,264; Feb. 2.
Display device. C. W. Kress. 2,069,528; Feb. 2.
Display mechanism, Clock actuated. W. V. Prince. 2,069,390; Feb. 2.
Distillation control. M. R. Fenske. 2,069,490; Feb. 2.
Distributor, Guano. J. Blue, Jr. 2,069,350; Feb. 2.
Dobby for weaving. R. Rossmann. 2,069,330; Feb. 2.
Door, Combination. M. H. Otto. 2,069,268; Feb. 2.
Door construction for freight containers. B. F. Fitch. 2,069,232; Feb. 2.
Door, Garage. E. Bouthillier. 2,069,665; Feb. 2.
Door locking mechanism for freight containers. B. F. Fitch. 2,069,233; Feb. 2.
Door, Locomotive tender. W. L. Lentz and C. E. Kantola. 2,069,414; Feb. 2.
Door operating mechanism. B. F. Fitch. 2,069,237; Feb. 2.
Double hub running trap, Cast iron. A. J. Tobiason. 2,069,428; Feb. 2.
Drag conveyer system. B. Beardsley and M. V. Creedon. 2,069,716; Feb. 2.
Drawing mechanism for spinning or twisting machines. L. H. Horner. 2,069,446; Feb. 2.
Drive chain. H. S. Pierce. 2,069,591; Feb. 2.
Drying and mixing mechanism. L. W. Meyer. 2,069,378; Feb. 2.
Dust separator. T. Skajaa. 2,069,483; Feb. 2.
Dyestuff and preparing it, Thiazine. W. Hoffmann. 2,069,670; Feb. 2.
Dyestuff and printing paste, Flavanthrone. G. M. Bishop. 2,069,210; Feb. 2.
Dyestuff paste for use in printing. G. M. Bishop. 2,069,209; Feb. 2.
Dyestuffs of the anthraquinone series and preparing them, Vat. A. Wolfram, P. Nawiasky, G. Langbein, and W. Elbs. 2,069,663; Feb. 2.
Dyestuffs of the gallocyanine series. E. Huber. 2,069,475; Feb. 2.
Economizer. W. H. Armacost and J. H. Sengstaken. 2,069,515; Feb. 2.
Efflorescence on silicate films, Prevention of. P. S. Tilden. 2,069,486; Feb. 2.
Electric arc device. J. Slepian and L. R. Ludwig. 2,069,283; Feb. 2.
Electric brake. W. A. Eaton. 2,069,578; Feb. 2.
Electric discharge apparatus. J. W. Dawson. 2,069,734; Feb. 2.
Electric pick-up utilizing piezo-electric crystals. J. J. Hugon and Y. Rocard. 2,069,313; Feb. 2.
Electric regulator, Direct acting. E. Juillard. 2,069,610; Feb. 2.
Electrical control system. R. R. Baker. 2,069,516; Feb. 2.
Electrical precipitation. H. A. Wintermute. 2,069,692; Feb. 2.
Electrical switch, Inertia operated. W. H. Richards. 2,069,272; Feb. 2.
Electrical system of distribution. J. E. P. Burge and E. A. Roughton. 2,069,575; Feb. 2.
Electroacoustic energy converting system. G. A. Graham. 2,069,242; Feb. 2.
Electrodes of negative glow devices, Treating. A. F. Henninger, Jr. 2,069,307; Feb. 2.
Electron discharge tube. N. M. Rust and G. F. Brett. 2,069,507; Feb. 2.
Electron tube. L. B. Headrick. 2,069,441; Feb. 2.
Elevator control system. H. W. Williams. 2,069,512; Feb. 2.
Enamel and varnish. H. G. Kittredge and A. J. Turner. 2,069,252; Feb. 2.
Enamel, Can coating. L. E. Hoag. 2,069,247; Feb. 2.
Engine: *See*—
Internal combustion engine. Rotary engine.
Engine governor, Internal combustion. E. R. and G. L. Wilson. 2,069,466; Feb. 2.
Engine, Starting an internal combustion. H. M. M. Mattern. 2,069,587; Feb. 2.
Eraser, Projectable. J. H. Rouse. 2,069,462; Feb. 2.
Exercising device. H. G. Ogden. 2,069,384; Feb. 2.
Explosive, Blasting. W. E. Kirst and C. A. Woodbury. 2,069,612; Feb. 2.
Exterminator, Growth. A. M. Schroeder. 2,069,684; Feb. 2.
Eyeglass construction. A. F. Williams. 2,069,347; Feb. 2.
Eyelet-inserting machine. S. L. Gookin. 2,069,241; Feb. 2.
Fabric treatment. A. Mellor and R. J. Mann. 2,069,322; Feb. 2.
Fabric with leno weave, Elastic. H. W. Wilson. 2,069,295; Feb. 2.
Fastener: *See*—
Knob fastener.
Fasteners, Apparatus for the manufacture of slide. F. Ulrich. 2,069,429; Feb. 2.
Fastening-inserting apparatus. A. Cocozella, Jr. 2,069,217; Feb. 2.
Fats and oils, Stabilized. S. Musher. 2,069,265; Feb. 2.
Feeding device and method. G. Monnet. 2,069,261; Feb. 2.
Fertilizer and nitric acid, Making phosphate. H. A. Curtis. 2,069,226; Feb. 2.
Fertilizer, Producing phosphorus and phosphate. H. A. Curtis. 2,069,225; Feb. 2.
Fibrous bodied articles and producing same, Inlaid. E. C. Sloan. 2,069,393; Feb. 2.
Filament of variable capacity, Thermionic. E. F. Lowry. 2,069,532; Feb. 2.
Filling device. G. N. Musick. 2,069,675; Feb. 2.
Film, Production of improved. B. Andersen and R. H. Ball. 2,069,202; Feb. 2.
Filter for vacuum cleaners and the like. P. A. Fisker. 2,069,703; Feb. 2.
Filters and appurtenances, Cleaning sand. J. G. Patrick. 2,069,621; Feb. 2.
Fire control system. H. Murtagh and B. A. Wittkuhns. 2,069,417; Feb. 2.
Fishing tackle carrier. G. A. Tiede. 2,069,661; Feb. 2.
Flooring material, Composite. H. C. Harvey. 2,069,720; Feb. 2.
Flotation reagent. R. S. Handy. 2,069,365; Feb. 2.
Flow controlling device for refrigerating systems. C. Steenstrup. 2,069,630; Feb. 2.
Flow indicator. R. O. Henszey. 2,069,309; Feb. 2.
Fluid control for duplicators. F. W. Storck and C. V. Franson. 2,069,730; Feb. 2.
Fluid heater cleaner. F. Bowers. 2,069,574; Feb. 2.
Flush valve, Automatic intermittent. W. S. White. 2,069,340; Feb. 2.
Folder, Mailing. E. Davis. 2,069,602; Feb. 2.
Food product, Manufacturing a. D. D. Peebles. 2,069,388; Feb. 2.
Freewheeling clutch. C. F. Rauen, F. H. Condon and J. T. Rauen. 2,069,558; Feb. 2.
Freezing device, Rapid. R. H. Chilton. 2,069,195; Feb. 2.
Freight container. B. F. Fitch. 2,069,234; Feb. 2.

Frequency determining unit for piezo-electric crystal controlling oscillators. A. B. Tripp. 2,069,633; Feb. 2.
Friction clutch. H. Winget. 2,069,467; Feb. 2.
Fuel, Apparatus for the distillation of solid carbonizable. E. M. Salerni. 2,069,421; Feb. 2.
Fuel injection control. M. Hansson. 2,069,306; Feb. 2.
Fuel pump. W. A. and W. R. Ray. 2,069,327; Feb. 2.
Furnace. L. D. Soubier. 2,069,542; Feb. 2.
Furnace for the incineration of household refuse. P. Lorton. 2,069,584; Feb. 2.
Fuses, Delayed arming device for. M. L. Mathsen. 2,069,259; Feb. 2.
Game, Table football. W. M. Wylie. 2,069,514; Feb. 2.
Garment. C. Epstein. 2,069,579; Feb. 2.
Gas purification material. J. W. Ayers. 2,069,194; Feb. 2.
Gasket, Pipe leak sealing. P. D. Merrill. 2,069,722; Feb. 2.
Gauge: *See*—
Key gauge.
Gear drive. E. Wildhaber. 2,069,433; Feb. 2.
Gear lapping machine. E. W. Miller. 2,069,324; Feb. 2.
Gear shaping machine, Helical. E. W. Miller. 2,069,323; Feb. 2.
Gear shifting mechanism. E. G. Kealing. 2,069,526; Feb. 2.
Germicide and insecticide, Apparatus for applying. T. W. Brookshire and S. McDuffee. 2,069,352; Feb. 2.
Glass, Manufacture of laminated. C. S. Shoemaker. 2,069,425; Feb. 2.
Glow device, Negative. A. F. Henninger, Jr. 2,069,308; Feb. 2.
Glucinum and its alloys, Manufacture of metallic. R. A. Gadeau. 2,069,705; Feb. 2.
Glucosides and glucoside bearing drugs, Chemically stabilized. V. A. Lapenta. 2,069,529–30; Feb. 2.
Golf practice indicator. A. C. Engh. 2,069,650; Feb. 2.
Grenade. R. C. Coupland. 2,069,221; Feb. 2.
Grill, Hand. L. Maurizi. 2,069,617; Feb. 2.
Grinder. J. J. Waage. 2,069,431; Feb. 2.
Grip, Scythe. A. Erikson. 2,069,474; Feb. 2.
Guide twister. W. H. Catterall and W. J. Barry. 2,069,517; Feb. 2.
Gum, Chewing. G. J. Menson. 2,069,477; Feb. 2.
Gun, Bow. J. Umling. 2,069,464; Feb. 2.
Hamper, Automatic clothes weighing. J. Maris and C. Levy. 2,069,499; Feb. 2.
Hand protector. C. F. Jensen. 2,069,449; Feb. 2.
Handle: *See*—
Detachable handle.
Hanger for brake beams, Safety. C. R. Busch. 2,069,353; Feb. 2.
Hat holder. J. M. Moore. 2,069,263; Feb. 2.
Heads, Apparatus for making dished. C. B. Cushwa. 2,069,198; Feb. 2.
Heat exchange apparatus. C. Mortensen. 2,069,555; Feb. 2.
Heat exchange device. P. F. Sperry. 2,069,728; Feb. 2.
Heat transfer apparatus. J. N. D. Heenan. 2,069,409; Feb. 2.
Heater for automobile engines. C. Trca. 2,069,689; Feb. 2.
Heating unit. L. P. Young. 2,069,348; Feb. 2.
Hitch. M. L. McClune. 2,069,416; Feb. 2.
Holder: *See*—
Hat holder. Window sash holder.
Key holder.
Holder and support, Curtain tie-back. J. W. Predix. 2,069,681; Feb. 2.
Holder for cartridges. S. Wiley. 2,069,293; Feb. 2.
Holder for pressure medium containers or cartridges. D. Mapes. 2,069,709; Feb. 2.
Holder, sharpener and advertising device, Combined pencil. J. Mendelson. 2,069,619; Feb. 2.
Hood, Advertising. W. Altmann. 2,069,544; Feb. 2.
Hose connection. O. E. Clark. 2,069,216; Feb. 2.
Humates, Stabilizing base exchanging. H. L. Tiger and P. C. Goetz. 2,069,564; Feb. 2.
Hydraulic brake. J. W. White. 2,069,343; Feb. 2.
Hydrogen regulator for converter spark gaps. T. R. Kennedy. 2,069,495; Feb. 2.
Hydrolysis of cardio-active digitalis glucosides and products obtained thereby, Partial. A. Stoll, W. Kreis and A. Hofmann. 2,069,687; Feb. 2.
Ice cubes from refrigerator trays, Removing. H. L. White. 2,069,567; Feb. 2.
Indicator: *See*—
Flow indicator. Liquid level indicator.
Golf practice indicator.
Inking mechanism. A. F. Pityo. 2,069,504; Feb. 2.
Internal combustion engine. F. T. Irgens. 2,069,315; Feb. 2.
Internal combustion engine. H. Pollcansky. 2,069,557; Feb. 2.
Iron, Production of rustless. W. B. Arness. 2,069,203–4; Feb. 2.
Isobutylene and tertiary butyl chloride, Production of. C. F. Prutton and W. E. Roush. 2,069,624; Feb. 2.
Joint: *See*—
Plywood joint. Rail joint.
Journal box. W. Blackmore. 2,069,488; Feb. 2.
Ketene, Manufacture of. G. D. Graves and C. H. Greenewalt. 2,069,243; Feb. 2.
Key gauge. S. Segal. 2,069,563; Feb. 2.
Key holder. J. G. Lipic, Jr. 2,069,317; Feb. 2.
Knee support roller. J. Keil. 2,069,476; Feb. 2.
Knob fastener. F. Stott. 2,069,427; Feb. 2.
Label affixing machine. G. N. Hanson. 2,069,246; Feb. 2.
Label, Container. R. E. Hanson. 2,069,609; Feb. 2.
Lacquer. J. M. Schantz. 2,069,726; Feb. 2.
Lamp: *See*—
Bed lamp.
Lamp finishing machine. V. Anderson. 2,069,387; Feb. 2.
Lamp for producing short wave length radiation, Electric. C. H. Braselton. 2,069,713; Feb. 2.
Lamp making machine. C. B. Palucki. 2,069,386; Feb. 2.
Lamp or similar device, Electric. D. K. Wright. 2,069,638; Feb. 2.
Lamps, Method and apparatus for controlling arc. R. E. Wilson. 2,069,597; Feb. 2.
Lathe attachment. I. Cooperstein. 2,069,356; Feb. 2.
Leather or the like, Process of and apparatus for manufacturing artificial. E. Mahler and J. B. Catlin. 2,069,257; Feb. 2.
Light: *See*—
Trailer light.
Light measuring device. W. van B. Roberts. 2,069,505; Feb. 2.
Liquid dispenser. F. Nedbalek. 2,069,383. Feb. 2.
Liquid level indicator. C. L. Howse. 2,069,312; Feb. 2.
Liquid measuring apparatus. D. Samiran. 2,069,279; Feb. 2.
Lock: *See*—
Combination lock.
Lock washer. E. D. Cowlin. 2,069,402; Feb. 2.
Loop, Endless. T. Gore. 2,069,525; Feb. 2.
Loudspeaker installation for automotive radio sets. R. J. Rockwell. 2,069,328; Feb. 2.
Lubricant compound. T. G. Roehner. 2,069,626; Feb. 2.
Lubricating system. L. J. Andres. 2,069,639; Feb. 2.
Machine for forming hollow glass containers. L. D. Soubier. 2,069,541; Feb. 2.
Machine for making stuffing for furniture. J. Kronheim. 2,069,412; Feb. 2.
Machine for manufacturing pavements from vulcanizable materials. J. Meijling and T. Magnusson. 2,069,589; Feb. 2.
Manifolding attachment for typewriters. M. S. Roosevelt. 2,069,659; Feb. 2.
Masonry treatment. B. J. Many. 2,069,674; Feb. 2.
Mat. M. B. Sample. 2,069,391; Feb. 2.
Materials, Mechanism for separating intermixed divided. R. Peale, Jr. 2,069,326; Feb. 2.
Materials, Process and mechanism for separating intermixed divided. J. D. Morgan. 2,069,325; Feb. 2.
Mattress and the like, Pneumatic. R. W. Sampson. 2,069,422; Feb. 2.
Mattress construction. R. W. Lotz. 2,069,415; Feb. 2.
Measuring device. G. Hurst. 2,069,494; Feb. 2.
Mercury boiler. A. R. Smith. 2,069,629; Feb. 2.
Metal from ore, Method and apparatus for recovering precious. F. C. Axtell. 2,069,206; Feb. 2.
Metallurgy. D. H. Sweet. 2,069,485; Feb. 2.
Metals and alloys with very small contents of carbon, Production of. G. Andersen. 2,069,469; Feb. 2.
Meter for reduced flows and low heads, Liquid. P. Ollagnon. 2,069,677; Feb. 2.
Mill: *See*—
Rolling mill.
Milling machine. H. W. Bartholomew. 2,069,299; Feb. 2.
Mitten, Beauty. W. Burke. 2,069,643; Feb. 2.
Mixture for the production of malleable iron. R. A. Edmunds. 2,069,717; Feb. 2.
Molds, Apparatus for forming sand. F. P. Gill. 2,069,669; Feb. 2.
Money values, Apparatus for indicating. C. L. Burdick. 2,069,401; Feb. 2.
Mono-ketones of the pyrene series and making the same. R. Scholl, K. Meyer, and J. Donat. 2,069,683; Feb. 2.
Motor drive control for duplicating machines and the like. F. W. Storck. 2,069,729; Feb. 2.
Motor suspension. C. A. Brinkert. 2,069,694; Feb. 2.
Mounting for axle drives and the like, Gear. B. W. Keese. 2,069,411; Feb. 2.
Multiple ignition switch. E. B. Nowosielski. 2,069,676; Feb. 2.
Nickel plating solutions and processes. R. L. Tuttle. 2,069,566; Feb. 2.
Nitrogenous condensation products. F. Ebel. 2,069,473; Feb. 2.
Nozzle for shoe coating machines. W. L. MacKenzie. 2,069,256; Feb. 2.
Nozzle, Spray-gun. G. A. Wilka. 2,069,346; Feb. 2.
Nozzle take-off attachment. E. Clawson. 2,069,667; Feb. 2.
Oil composition and making same, Drying. J. B. Rust. 2,069,725; Feb. 2.
Oil conversion, Hydrocarbon. C. P. Dubbs. 2,069,358; Feb. 2.
Oil, Nonsludging. R. Rosen. 2,069,273–4; Feb. 2.
Oil, Treating. A. von Groeling. 2,069,596; Feb. 2.
Oils, Cracking of hydrocarbons. J. D. Seguy. 2,069,392; Feb. 2.
Oils of high asphaltic content, Manufacturing residual. H. G. Nevitt. 2,069,620; Feb. 2.

Oils, Refining. P. J. Roelfsema. 2,069,329; Feb. 2.
Operating device for oven shelves. C. H. and A. H. Gerwig. 2,069,706; Feb. 2.
Optical sound-reproducing apparatus. A. A. Thomas. 2,069,632; Feb. 2.
Orientation device. H. Stark. 2,069,285; Feb. 2.
Ornament. F. J. Strassner. 2,069,286; Feb. 2.
Oscillator, Polyphase. R. L. Davis. 2,069,521; Feb. 2.
Overcoat. C. B. Shane. 2,069,628; Feb. 2.
Package, Composite. L. L. Salfisberg. 2,069,335; Feb. 2.
Package construction, Leaved. L. L. Salfisberg. 2,069,332; Feb. 2.
Package structure. L. L. Salfisberg. 2,069,333; Feb. 2.
Package structure and closure, Leaved. L. L. Salfisberg. 2,069,334; Feb. 2.
Packing means. M. Koppelman. 2,069,497; Feb. 2.
Packing ring. M. R. Buffington. 2,069,212; Feb. 2.
Paper and making. P. F. Denner. 2,069,648; Feb. 2.
Parking post. E. Hopkins. 2,069,445; Feb. 2.
Pasteurizing apparatus. B. E. Getchell. 2,069,714; Feb. 2.
Patty machine. M. Burk. 2,069,696; Feb. 2.
Pedal, Bicycle. B. M. Lofquist and S. J. Olson. 2,069,454; Feb. 2.
Peeler, Vegetable. L. Jeppsson and G. Browning. 2,069,654; Feb. 2.
Perforator and counter, Keyboard. M. T. Goetz and A. H. Reiber. 2,069,240; Feb. 2.
Phenolic compounds. E. K. Bolton. 2,069,573; Feb. 2.
Phenolic compounds. H. S. Rothrock. 2,069,275; Feb. 2.
Phenols and preparing same, Tertiary alkyl-cyclohexyl. H. S. Rothrock. 2,069,560; Feb. 2.
Phenols, Manufacture of oil soluble. C. P. Wilson, Jr. 2,069,294; Feb. 2.
Photocopy machine. W. P. Lloyd and M. H. Hill. 2,069,318; Feb. 2.
Pipe cutter, Outside. D. H. Reed. 2,069,593; Feb. 2.
Pipe wrapping machine. R. G. Roberts. 2,069,539; Feb. 2.
Piston. W. L. Treseder. 2,069,565; Feb. 2.
Piston and packing. N. Frank. 2,069,437; Feb. 2.
Piston, Engine. R. Schneider. 2,069,594; Feb. 2.
Piston for internal combustion motors. E. C. Long. 2,069,615; Feb. 2.
Plant growth, Forcing. C. H. Walker. 2,069,292; Feb. 2.
Plate casting machine, Stereotype. W. F. Huck. 2,069,248; Feb. 2.
Plates, Apparatus for producing photogravure. T. A. Cohen. 2,069,576; Feb. 2.
Plug: *See*—
Attachment plug. Spark plug.
Plywood joint. A. W. Flint. 2,069,668; Feb. 2.
Post: *See*—
Parking post.
Powder container, Sealed. J. J. O'Connor. 2,069,556; Feb. 2.
Power operated device for machine tools, Auxiliary. A. N. Emmons. 2,069,701; Feb. 2.
Power transmission, Automatic. W. A. Duffield. 2,069,360; Feb. 2.
Press: *See*—
Printing press. Rotary press.
Pressing machine. A. F. Hanney. 2,069,430; Feb. 2.
Pressure medium container, Stored. D. Mapes. 2,069,708; Feb. 2.
Pressure regulating device. R. R. Donaldson, Jr. 2,069,199; Feb. 2.
Printing machine, Flat bed. I. T. Nelson. 2,069,458; Feb. 2.
Printing press. P. F. Cox. 2,069,520; Feb. 2.
Printing process and composition therefor. I. F. Chambers. 2,069,215; Feb. 2.
Program reminder for radio programs. E. T. Knitter. 2,069,372; Feb. 2.
Projectile, Life line. M. J. Ryan. 2,069,276; Feb. 2.
Protector: *See*—
Hand protector.
Pump: *See*—
Fuel pump.
Pump. J. A. Tennant. 2,069,338; Feb. 2.
Pump or motor. W. Ferris. 2,069,651; Feb. 2.
Punch, Hand. E. H. Findlay. 2,069,231; Feb. 2.
Rack: *See*—
Tire display rack.
Radio optical modulation system. LaV. R. Philpott. 2,069,538; Feb. 2.
Radio receiver. K. A. Chittick. 2,069,518; Feb. 2.
Radio receiving arrangement. L. L. de Kramolin. 2,069,405; Feb. 2.
Radio transmitting and receiving system. I. Wolff. 2,069,513; Feb. 2.
Rail joint. A. F. Fifield. 2,069,361; Feb. 2.
Rail joint. A. M. Petko. 2,069,478; Feb. 2.
Range, Coal. F. J. Freeland. 2,069,704; Feb. 2.
Razor, Safety. W. G. Wallenbeck. 2,069,465; Feb. 2.
Reamer, Well. J. I. Seay. 2,069,482; Feb. 2.
Recording and reproducing apparatus. A. A. Thomas. 2,069,595; Feb. 2.
Recording instrument, Torsional vibration. F. L. Prescott. 2,069,271; Feb. 2.
Reef, Artificial. J. B. Arpin. 2,069,715; Feb. 2.
Reel for a blasting cable, Safety. F. W. Brown. 2,069,695; Feb. 2.
Regulator: *See*—
Electric regulator.
Regulator for ovens and the like, Heat. W. W. Sackett. 2,069,278; Feb. 2.
Relief valve. A. F. Flournoy. 2,069,522; Feb. 2.
Rest, Follow. E. R. Smith. 2,069,426; Feb. 2.
Ribbon feed mechanism, Reversible. G. M. Sacerdote. 2,069,277; Feb. 2.
Ring: *See*—
Packing ring.
Ring for knitting machines, Stitch. R. H. Lawson. 2,069,672; Feb. 2.
Roads, Apparatus for producing mineral aggregate. M. Madsen. 2,069,376; Feb. 2.
Roll for ironing machines. J. Mikulasek. 2,069,552; Feb. 2.
Roller: *See*—
Knee support roller.
Roller. H. R. Moyer. 2,069,534; Feb. 2.
Rolling mill. H. A. Kessler. 2,069,496; Feb. 2.
Rotary engine. W. A. Cohen. 2,069,646; Feb. 2.
Rotary press. F. L. Ireland and F. L. Chappell. 2,069,448; Feb. 2.
Rubber bearing. A. Hollander. 2,069,367; Feb. 2.
Rubber, Manufacture of chlorinated. T. N. Montgomery. 2,069,262; Feb. 2.
Safety device for airplane automatic pilots. B. G. Carlson. 2,069,214; Feb. 2.
Safety device for high potential electrical circuits. R. C. Hyde. 2,069,250; Feb. 2.
Sanderplane. H. L. Myers. 2,069,502; Feb. 2.
Scaffolding device. W. C. Gaw. 2,069,607; Feb. 2.
Screen: *See*—
Vibratory screen.
Scissors, Stitch. F. L. Wilson. 2,069,636; Feb. 2.
Scouring and dyeing, Method and apparatus of. T. H. Hilliards. 2,069,311; Feb. 2.
Scratches from celluloid motion picture negative and positive films, Removing. A. J. Miller. 2,069,501; Feb. 2.
Screw, Antifriction. D. J. Baker. 2,069,471; Feb. 2.
Sculptural reproduction in three dimensions by means of instantaneous photography, System of. F. S. de La Tour. 2,069,647; Feb. 2.
Seat: *See*—
Toilet seat.
Separator: *See*—
Dust separator.
Separator and thresher, Grain. E. E. Metcalf. 2,069,735; Feb. 2.
Setting device for a precious stone or the like. S. Arpels (dit Charles). 2,069,598; Feb. 2.
Sewing machines, Hemstitching attachment for. G. L. Hiuman and C. J. Word. 2,069,652; Feb. 2.
Shaker, Salt and pepper. O. C. Gragg. 2,069,363; Feb. 2.
Sharpener, Scissors. G. Hammond. 2,069,608; Feb. 2.
Sheet stacking apparatus. R. R. Seft. 2,069,424; Feb. 2.
Shield, Safety. H. E. Tautz. 2,069,395; Feb. 2.
Shift mechanism. J. F. Koca. 2,069,671; Feb. 2.
Shingle. H. H. Honigbaum. 2,069,444; Feb. 2.
Shoe and decorating same. C. K. Morgan. 2,069,381; Feb. 2.
Shoe heel composition and compounding same, Moldable. A. W. Marchant. 2,069,585; Feb. 2.
Shoes, Making. C. D. Turner. 2,069,396; Feb. 2.
Shower head. R. H. Zinkil. 2,069,733; Feb. 2.
Sign. C. E. Lounsbury and R. J. Sheafe. 2,069,319; Feb. 2.
Signal: *See*—
Automobile turn signal.
Signal. R. M. Cremer. 2,069,222; Feb. 2.
Signal and timer, Traffic. A. O. Olafson. 2,069,535; Feb. 2.
Signal device, Warning. G. I. Lewis. 2,069,583; Feb. 2.
Signaling apparatus, Railway. J. J. Vanhorn. 2,069,342; Feb. 2.
Signaling device. S. M. Roberts. 2,069,682; Feb. 2.
Snippers. T. Serdich. 2,069,685; Feb. 2.
Sorting and counting device. W. E. Taylor. 2,069,290; Feb. 2.
Sound and vibration damping construction. R. L. Leadbetter. 2,069,413; Feb. 2.
Sound apparatus. W. Kunze. 2,069,254; Feb. 2.
Sound, Apparatus for recording and reproducing. A. A. Thomas. 2,069,631; Feb. 2.
Spark plug. L. J. McKone. 2,069,320; Feb. 2.
Speed controller for prime movers. W. Ferris. 2,069,230; Feb. 2.
Splice and method of splicing the same, Fabricated belt. F. H. Ford. 2,069,362; Feb. 2.
Splint, Surgical leg. E. E. Longfellow. 2,069,721; Feb. 2.
Spoon and lure with weed guard, Combination. C. T. Pflueger. 2,069,724; Feb. 2.
Spring and making same, Elastic. E. H. Piron. 2,069,270; Feb. 2.
Spring cover. J. Brown. 2,069,666; Feb. 2.
Spring suspension for automobiles. F. M. White. 2,069,399; Feb. 2.
Stand for display devices. W. Stuebing, Jr. 2,069,484; Feb. 2.
Stapling. F. R. Curtiss. 2,069,601; Feb. 2.
Steam boiler. G. L. Barrett. 2,069,693; Feb. 2.

Steel and product, Coating strip. R. F. Renkin. 2,069,658; Feb. 2.
Steel and reenforced concrete construction, Composite structural. K. R. Schuster. 2,069,280; Feb. 2.
Steel, Method and apparatus for making open hearth. M. J. Conway. 2,069,196; Feb. 2.
Steel roll composition. W. J. Merten. 2,069,260; Feb. 2.
Steering mechanism. R. S. Sanford. 2,069,540; Feb. 2.
Stereopticon slide. P. S. Fischer. 2,069,304; Feb. 2.
Stop for shearing machines, Automatic gauging. M. A. Palmer. 2,069,536; Feb. 2.
Stretcher, Shoe. A. Panos. 2,069,537; Feb. 2.
Stringed instrument attaching and supporting means. J. Feldman. 2,069,436; Feb. 2.
Stuffing box. R. D. Hill. 2,069,443; Feb. 2.
Substances from gaseous mediums, Separating. D. D. Peebles. 2,069,389; Feb. 2.
Sulphation of compounds obtained by hydrogenation of carbon oxides, Product and. R. G. Clarkson. 2,069,547; Feb. 2.
Sulphur, Free running. F. W. Wieder. 2,069,568; Feb. 2.
Sulphur, Prepared. E. C. Missbach. 2,069,710; Feb. 2.
Support: *See*—
Typewriter support.
Support. F. J. G. Neumann and W. R. Haubold. 2,069,590; Feb. 2.
Surfaces in simulation of napped cloth, Finishing. G. Ariotti. 2,069,470; Feb. 2.
Surfaces, Producing decorated. K. Eichstädt. 2,069,227; Feb. 2.
Suspension for luminescent tubes. J. B. J. M. Abadie. 2,069,468; Feb. 2.
Switch: *See*—
Electrical switch. Multiple ignition switch.
Switches, Apparatus for controlling railway. J. J. Vanhorn. 2,069,634; Feb. 2.
Tank device, Sprayer. Dr. A. Finley. 2,069,702; Feb. 2.
Telegraph repeater system, Interconnecting. G. C. Cummings. 2,069,223–4; Feb. 2.
Telegraph repeater system, Interconnecting. F. S. Kinkead. 2,069,251; Feb. 2.
Temperature indicating system. F. S. Stickney. 2,069,509; Feb. 2.
Temperature regulation. C. A. Otto. 2,069,418; Feb. 2.
Tent. J. L. Pluth. 2,069,479; Feb. 2.
Textile materials and product thereof, Treating. C. Dreyfus and W. Whitehead. 2,069,303; Feb. 2.
Therapeutic apparatus, Electrothermal. D. I. Solomon. 2,069,284; Feb. 2.
Thermally responsive device. J. A. Spencer. 2,069,727; Feb. 2.
Ticket printing machine. A. Köhler. 2,069,656; Feb. 2.
Timepiece. D. Perlman. 2,069,622; Feb. 2.
Tire display rack. N. E. McLaughlin. 2,069,321; Feb. 2.
Titanium dioxide, Treating. R. H. Monk and A. S. Ross. 2,069,554; Feb. 2.
Toilet seat. G. W. Carlson. 2,069,301; Feb. 2.
Tool and method, Machine. R. M. Woytych. 2,069,296; Feb. 2.
Tooth brush, Power operated. J. C. Hyde. 2,069,581; Feb. 2.
Toy top. C. Kraft. 2,069,373; Feb. 2.
Track structure and installing the same, Railway. W. Dalton. 2,069,577; Feb. 2.
Tractor. H. O. Haines. 2,069,245; Feb. 2.
Trailer light. E. J. Fraser. 2,069,238–9; Feb. 2.
Transmission. A. Forichon. 2,069,408; Feb. 2.
Trap: *See*—
Double hub running trap.
Trencher, Power driven. A. J. Penote. 2,069,712; Feb. 2.
Trigger mechanism for machine guns. S. G. Green. 2,069,244; Feb. 2.
Truck, Railway. D. S. Barrows. 2,069,207; Feb. 2.
Truck, Railway. G. F. Couch. 2,069,220; Feb. 2.
Truck, Refrigerated. R. A. Rott. 2,069,481; Feb. 2.
Trunk compartment. C. H. Widman. 2,069,345; Feb. 2.
Tube: *See*—
Cathode ray tube. Electron tube.
Electron discharge tube.
Tube for pneumatic tires, Sectional inner. J. Mars. 2,069,586; Feb. 2.
Tubular yieldable objects, Method and apparatus for processing. N. H. Curtiss. 2,069,197; Feb. 2.
Tuning control. P. J. Schwarzhaupt. 2,069,627; Feb. 2.
Turbine blade. A. L. Feild. 2,069,718; Feb. 2.
2.3-dihydroindoles, Production of. M. Treppenhauer. 2,069,662; Feb. 2.
Typewriter line spacer. E. L. McMillan. 2,069,550; Feb. 2.
Typewriter support, Adjustable. W. E. Herman. 2,069,707; Feb. 2.
Typewriters, Multicopy attachment for. B. L. Henry. 2,069,492; Feb. 2.
Typewriting machine. H. A. Avery. 2,069,298; Feb. 2.
Upsetting mechanism. R. L. Wilcox. 2,069,511; Feb. 2.
Utensil, Motor-driven kitchen. H. G. Ross. 2,069,506; Feb. 2.
Valve: *See*—
Flush valve. Relief valve.
Valve. J. S. Abercrombie, J. A. Tennant, and H. Allen. 2,069,297; Feb. 2.
Valve. F. S. Gussick. 2,069,364; Feb. 2.
Valve. J. D. Mattimore. 2,069,588; Feb. 2.
Valve mechanism for material tanks, Control. J. M. Mitchell. 2,069,553; Feb. 2.
Valves of carburetors, Adjusting device for throttle. H. Bergschicker. 2,069,349; Feb. 2.
Vane, Mixture distribution. G. E. Beardsley, Jr. 2,069,640; Feb. 2.
Variable condenser. S. Cohen. 2,069,218; Feb. 2.
Vehicle, Motor. C. R. Paton. 2,069,420; Feb. 2.
Vehicle, Transporting and dumping. G. R. Dempster. 2,069,697–8; Feb. 2.
Ventilator. E. A. Johnson. 2,069,370; Feb. 2.
Vibratory screen. H. H. Rumpel and A. L. Munro. 2,069,331; Feb. 2.
Viscous masses, Apparatus and process for dividing. G. Trümpler. 2,069,731; Feb. 2.
Vise, Tennis racket. H. W. Roberts. 2,069,736; Feb. 2.
Washer: *See*—
Lock washer.
Watch, Wrist. B. Lazrus. 2,069,453; Feb. 2.
Water, Apparatus for the analysis of a chemically purified. A. Schnorf. 2,069,562; Feb. 2.
Water from steam engine cylinders, Discharging. C. A. Cardew. 2,069,645; Feb. 2.
Water heater. R. P. Kellbaugh. 2,069,452; Feb. 2.
Wax and resins from shellac, Removing. L. McCulloch. 2,069,533; Feb. 2.
Welding, Arc. L. G. Pickhaver and W. W. Worley, Jr. 2,069,623; Feb. 2.
Wheel. V. W. Kliesrath. 2,069,253; Feb. 2.
Windmill. V. L. Andrew. 2,069,571; Feb. 2.
Window construction. W. W. Eager. 2,069,435; Feb. 2.
Window regulating device. H. C. Kestel. 2,069,611; Feb. 2.
Window sash holder. C. Le B. McKee. 2,069,457; Feb. 2.
Wiper, Oil gauge rod. M. F. Esch. 2,069,406; Feb. 2.
Wood and other material, Impregnating. B. O. Häger. 2,069,491; Feb. 2.
Wood or similar materials, Decorating. K. Eichstädt. 2,069,228; Feb. 2.
Wrench. F. M. Justice. 2,069,582; Feb. 2.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 2, 1937

NOTE.—First number=class, second number=subclass, third number=patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acheson Harden Co., New York, N. Y. Men's handkerchiefs. Serial No. 386,143; Feb. 9. Class 39.

Alvita Products Company. (See Willis, Glenn B.)

American Bemberg Corporation, New York, N. Y. Thread and yarn. Serial No. 386,092; Feb. 9. Class 43.

American Wet Beverage Company. (See Bloch, Joseph.)

Anchor Concrete Machinery Company. (See Friel, George M.)

Anderson, Hunter, doing business as Tortuga Products Company, Phoenix, Ariz. Cosmetics. Serial No. 386,093; Feb. 9. Class 6.

Arlene Chocolate Co. Inc., Brooklyn, N. Y. Chocolate candies. Serial No. 384,313; Feb. 9. Class 46.

Aron, J., & Company, Inc., San Francisco, Calif. Green coffee. Serial No. 383,288; Feb. 9. Class 46.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 386,237; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes and smoking tobacco. Serial No. 386,238; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial Nos. 386,285–9; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 386,291; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial Nos. 386,293–4; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial Nos. 386,296–8; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 386,300; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 386,469; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial Nos. 386,471–3; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial Nos. 386,516–23; Feb. 9. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial Nos. 386,525–9; Feb. 9. Class 17.

Balkan Trunk & Suitcase Co., Inc., San Francisco, Calif. Trunks, hand luggage, Pullman cases, etc. Serial No. 375,570; Feb. 9. Class 3.

Barrell, William L., Company, Inc., New York, N. Y. Cotton fabric. Serial No. 386,475; Feb. 9. Class 42.

Beeman, Henry F., doing business as Beeman Company, Denver, Colo. Vacuum cleaners. Serial No. 385,470; Feb. 9. Class 23.

Berkowitz, Louis, doing business as Supreme Jr. Coat Co., New York, N. Y. Coats and suits. Serial No. 386,756; Feb. 9. Class 39.

Beverwyck Breweries, Inc., Albany, N. Y. Ales and lager beers. Serial No. 386,757; Feb. 9. Class 48.

Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweepers. Serial No. 386,719; Feb. 9. Class 23.

Black & Decker Manufacturing Company, The, Towson, Md. Electric air-compressors. Serial No. 386,070; Feb. 9. Class 23.

Bloch, Joseph, doing business as American Wet Beverage Company, Omaha, Nebr. Beverages. Serial No. 386,720; Feb. 9. Class 45.

Boydstun, Ira S., Fort Worth, Tex. Eatable containers. Serial No. 366,979; Feb. 9. Class 46.

Broom and Newman, New York, N. Y. Shirts, pajamas, and sport shirts. Serial No. 385,966; Feb. 9. Class 39.

Brown-Murray Co., Inc., Pittsburgh, Pa. Peanuts. Serial No. 386,399; Feb. 9. Class 46.

Business News Publishing Co., Detroit, Mich. Periodical. Serial No. 386,201; Feb. 9. Class 38.

Butler, Julius W., doing business as Sun Waters, Bozeman, Mont. Natural mineral waters. Serial No. 376,192; Feb. 9. Class 45.

California Dental Supply Co., doing business as Dengene Laboratories, Los Angeles, Calif. Mouth wash and gargle, ointment, deodorant, etc. Serial No. 385,031; Feb. 9. Class 6.

Campe Corporation, The, New York, N. Y. Broadcloth. Serial No. 384,117; Feb. 9. Class 42.

Capewell Manufacturing Company, The, Hartford, Conn. Horse nails. Serial No. 386,150; Feb. 9. Class 13.

Carefoot, E. M., Belleville, Ontario, Canada. Natural mineral and medicinal waters. Serial No. 384,882; Feb. 9. Class 45.

Carey Salt Company, The, Hutchinson, Kans. Salt sold in cakes or blocks. Serial No. 386,721; Feb. 9. Class 46.

Carson-Newton Company, Newark, N. J. Files, rasps, reamers, and rifflers. Serial No. 385,393; Feb. 9. Class 23.

Cassimatis, Irineos, Gary, Ind. Candies. Serial No. 386,723; Feb. 9. Class 15.

Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. Serial No. 386,789; Feb. 9. Class 46.

Chemical Specialty Company. (See Lowy, Benno.)

Clancy Publications, Inc., New York, N. Y. Magazine. Serial Nos. 386,619–20; Feb. 9. Class 38.

Clearwater Growers Association, Clearwater, Fla. Fresh citrus fruits. Serial No. 386,849; Feb. 9. Class 46.

Codman, F. L., & J. C., Company, Rockland, Mass. Buffing wheels. Serial No. 384,193; Feb. 9. Class 4.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. Serial No. 385,722; Feb. 9. Class 4.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet and shaving soap. Serial No. 385,973; Feb. 9. Class 4.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid and powder perfume, toilet water, face powder, etc. Serial No. 385,974; Feb. 9. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. Serial No. 386,579; Feb. 9. Class 4.

Collingbourne Mills, Inc., doing business as Virginia Snow Studios, Elgin, Ill. Darning cotton and sewing and mending thread and yarn. Serial No. 386,013; Feb. 9. Class 43.

Collins, Tom, Corporation, The, Covington, Ky. Wine with carbonated water and flavoring. Serial Nos. 385,333–6; Feb. 9. Class 47.

Cooper & Cooper, Inc., Brooklyn, N. Y. Razor blades. Serial No. 386,724; Feb. 9. Class 23.

Corning Olive Growers Association, Corning, Calif. Canned olives. Serial No. 385,341; Feb. 9. Class 46.

Covered Wagon Company, Mount Clemens, Mich. Trailers. Serial No. 385,663; Feb. 9. Class 19.

Coward Shoe Inc., The, New York, N. Y. Shoes. Serial No. 377,913; Feb. 9. Class 39.

Cu-Sol Products Corporation, New York, N. Y. Colloidal copper. Serial Nos. 386,100–1; Feb. 9. Class 6.

Dengene Laboratories. (See California Dental Supply Co.)

Dinhofer Bros., Inc., New York, N. Y. Watches, watch cases, and watch movements. Serial No. 384,886; Feb. 9. Class 27.

Dixie Fisheries, Incorporated, Biloxi, Miss. Canned oysters and shrimp. Serial No. 380,263; Feb. 9. Class 46.

Dritz-Traum Company, Inc., New York, N. Y. Partly finished needle-point tapestries. Serial No. 384,651; Feb. 9. Class 40.

Dubinsky, Sam, Kansas City, Mo. Dish towels. Serial No. 383,917; Feb. 9. Class 42.

E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters and parts thereof. Serial No. 386,154; Feb. 9. Class 19.

Earle-Chesterfield Mill Co., Asheville, N. C. Wheat flour. Serial No. 386,486; Feb. 9. Class 46.

Ebbert, Daniel F., Wheeling, W. Va. Finger rings and pins. Serial No. 385,782; Feb. 9. Class 28.

Eichwald, Jacob, New York, N. Y. Dresses and blouses. Serial No. 380,444; Feb. 9. Class 39.

English Needle & Fishing Tackle Co. Ltd., The, Studley, England. Crochet hooks and knitting pins made from casein. Serial No. 386,583; Feb. 9. Class 40.

Esser Razor Blade Corporation, Elizabeth, N. J. Razor blades. Serial No. 368,219; Feb. 9. Class 23.

Everite Knitting Mills, Inc., New York, N. Y. Polo shirts, blouses, underwear. Serial No. 386,421; Feb. 9. Class 39.

F. & F. Packing Company. (See Fricke, Walter F.)

Federal Razor Blade Company, The, Newark, N. J. Razor blades. Serial No. 385,785; Feb. 9. Class 23.

Field and Flint Co., Brockton, Mass. Shoes. Serial No. 386,662; Feb. 9. Class 39.

Fitzgerald, Gilbert F., doing business as 20th Century Candy Co., Milwaukee, Wis. Candies and salted nuts. Serial No. 385,838; Feb. 9. Class 46.

Fletcher Oil Company, Boise, Idaho. Electrical products. Serial No. 386,536; Feb. 9. Class 21.

Franco Corset Company, New York, N. Y. Foundation garments and girdles. Serial No. 379,238; Feb. 9. Class 39.

Frank & Meyer Neckwear Company, St. Louis, Mo. Neckwear. Serial No. 385,574; Feb. 9. Class 39.

Franklin, O. M., Blackleg Serum Company, The, Denver, Colo. Blackleg bacterin, equine influenza mixed bacterin, bovine mixed bacterin, etc. Serial No. 384,525; Feb. 9. Class 6.

Fricke, Walter F., doing business as F. & F. Packing Company, Chicago, Ill., assignor to Highland Sales Company, Denver, Colo. Beverages. Serial Nos. 385,035–6; Feb. 9. Class 45.

Friel, George M., doing business as Anchor Concrete Machinery Company, Columbus, Ohio. Machinery for manufacturing concrete building units. Serial No. 386,585; Feb. 9. Class 23.

Fromm, Solomon, doing business as S. Fromm, Brooklyn, N. Y. Rayon piece goods. Serial No. 383,163; Feb. 9. Class 42.

Fuhremann Canning Company, Appleton, Wis. Canned peas. Serial No. 382,591; Feb. 9. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Garcia, Juan A., Jr., doing business as Garcia's Fine Chile, Albuquerque, N. Mex. Canned chile. Serial No. 385,438; Feb. 9. Class 46.

General Body & Hoist Company, Everett, Mass. Truck tank bodies and truck hoist dump bodies. Serial No. 386,388; Feb. 9. Class 19.

General Shoe Corporation, Nashville, Tenn. Boots and shoes. Serial No. 386,366; Feb. 9. Class 39.

General Tire & Rubber Company, The, Akron, Ohio. Tires of fabric and rubber. Serial No. 345,622; Feb. 9. Class 35.

Glover, H. Clay, Co., Inc., New York, N. Y. Ointment for sarcoptic mange, puppy capsules, etc. Serial No. 385,581; Feb. 9. Class 6.

Goldberg, Shepard J., Inc., New York, N. Y. Wines. Serial No. 385,730; Feb. 9. Class 47.

Goldberger, Leo J., New York, N. Y. Dresses, blouses, and jumpers. Serial Nos. 385,787–8; Feb. 9. Class 39.

Goodman, A., & Sons, Inc., New York, N. Y. Noodles. Serial No. 385,094; Feb. 9. Class 46.

Gray Bros., Inc., Syracuse, N. Y. Boots and shoes. Serial No. 385,929; Feb. 9. Class 39.

Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed springs and mattresses. Serial No. 386,710; Feb. 9. Class 32.

Greist Manufacturing Company, The, New Haven, Conn. Electric lamps. Serial No. 386,647; Feb. 9. Class 21.

Hanson-Van Winkle-Munning Company, Matawan, N. J. Preparation used on plating racks to protect them from the electroplating solutions. Serial No. 376,170; Feb. 9. Class 6.

Heilmann, Louis E., New York, N. Y. Ceramic table-ware. Serial No. 386,108; Feb. 9. Class 30.

Highland Sales Company. (See Fricke, Walter F., assignor.)

Hills Brothers Company, The, New York, N. Y. Canned baked apples. Serial No. 385,886; Feb. 9. Class 46.

Hi-Speed Tire and Accessory Company, Toledo, Ohio. Batteries, electric bulbs, spark plugs, etc. Serial No. 386,730; Feb. 9. Class 21.

Hitchcock Pecan Co., Galveston, Tex. Chopped mixed nuts. Serial No. 385,096; Feb. 9. Class 46.

Hoffman, J. S., Co., Inc., New York, N. Y. Cheese. Serial No. 386,805; Feb. 9. Class 46.

Home Health Library, Inc., New York, N. Y. Magazine. Serial No. 376,587; Feb. 9. Class 38.

Hooper, Wm. E., & Sons Co., Baltimore, Md. Wicks. Serial No. 384,082; Feb. 9. Class 34.

Howell Company, Inc., The, New Orleans, La. Medicinal preparation. Serial Nos. 385,583–4; Feb. 9. Class 6.

International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. Serial Nos. 386,429–31; Feb. 9. Class 44.

International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 385,482; Feb. 9. Class 39.

Isaacs, Harry, Inc., New York, N. Y. Cravats. Serial No. 386,078; Feb. 9. Class 39.

Johnson-March Corporation, The, New York, N. Y. Composition for the treatment of coal. Serial No. 385,735; Feb. 9. Class 6.

Julep Cigarette Company, assignor, by mesne assignments, to Julep Tobacco Company, Boston, Mass. Cigarettes. Serial No. 341,290; Feb. 9. Class 17.

Katzinger, Edward, Company, The, Chicago, Ill. Base metal bake pans and cooking hollow ware. Serial No. 377,578; Feb. 9. Class 13.

Keith, Geo. E., Company, Campello, Mass. Shoes. Serial No. 386,863; Feb. 9. Class 39.

King Features Syndicate, Inc., New York, N. Y. Cartoons. Serial No. 386,311; Feb. 9. Class 38.

Krakau, Harry T., Cleveland, Ohio. Arch appliances. Serial No. 385,045; Feb. 9. Class 44.

Kress, S. H., and Company, New York, N. Y. Borated baby talcum. Serial No. 386,260; Feb. 9. Class 6.

Lily of France Corset Company, Inc., New York, N. Y. Corsets. Serial No. 386,213; Feb. 9. Class 39.

Loft, Inc., Long Island City, N. Y. Fudge sauce, cocoa, malted milk, etc. Serial No. 330,822; Feb. 9. Class 46.

Lowry-Rodgers Company, doing business as Alfred Lowry & Bro., Philadelphia, Pa. Toilet paper. Serial No. 369,854; Feb. 9. Class 37.

Lowy, Benno, doing business as Chemical Specialty Company, San Francisco, Calif. Chemical composition used as a selective precipitant of excess lime and magnesia. Serial No. 384,542; Feb. 9. Class 48.

Madison Foods. (See Rural Educational Association.)

Manchester Mfg. Co., Philadelphia, Pa. Shirts and collars. Serial No. 384,807; Feb. 9. Class 39.

Manufactures de Velours et Peluches, Lyon, France. Piece goods. Serial Nos. 386,545–6; Feb. 9. Class 42.

Marathon Company, Attleboro, Mass. Jewelry. Serial No. 378,408; Feb. 9. Class 28.

Marathon Paper Mills Company, Rothschild, Wis. Tannery materials and extracts. Serial No. 386,372; Feb. 9. Class 6.

Massachusetts Distributors, Incorporated, Boston, Mass. Magazine. Serial No. 385,416; Feb. 9. Class 38.

Mayfair Yarncraft. (See Osborne, Glenn E.)

McClure, Jack B., doing business as Mid-West Products Company, Indianapolis, Ind. Prophylactic lambskin articles and rubber articles. Serial No. 384,094; Feb. 9. Class 44.

McCurrach Organization Incorporated, New York, N. Y. Neckties and mufflers. Serial No. 386,866; Feb. 9. Class 39.

Mears, Stowell W., New York, N. Y. Humidifiers. Serial No. 385,165; Feb. 9. Class 34.

Meldman, Edward C., Milwaukee, Wis. Quick setting liquid latex rubber perfected for chiropodists. Serial No. 385,933; Feb. 9. Class 44.

Mey, Hans, doing business as Sea Tang Oyster Co., New York, N. Y. Fresh oysters and clams. Serial No. 385,364; Feb. 9. Class 46.

Mid-West Products Company. (See McClure, Jack B.)

Missouri Mill & Elevator Co. (See Washburn Crosby Company.)

Mitsubishi Shoji Kaisha, Ltd., Tokyo, Japan, New York, N. Y., San Francisco, Calif., and Seattle, Wash. Canned fish, fruits, and vegetables of all kinds, etc. Serial No. 380,456; Feb. 9. Class 46.

Mitten, Charles S., Richmond, Va. Liniment, preparations for the relief of colds, croup, eczema, etc. Serial No. 382,127; Feb. 9. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Resins and hydrocarbon polymers. Serial No. 378,850; Feb. 9. Class 1.

Mount Olive Pickle Co., Inc., Mount Olive, N. C. Pickles and sweet pickle relishes. Serial Nos. 385,636–7; Feb. 9. Class 46.

Mouton Rice Milling Co., Harrisburg, Ark. Rice. Serial Nos. 386,217–19; Feb. 9. Class 46.

Nailcrete Corporation, The, New York, N. Y. Cementitious building material. Serial No. 386,266; Feb. 9. Class 12.

Na-Mac Products Corp., Los Angeles, Calif. Detachable base metal dispenser tops. Serial No. 384,812; Feb. 9. Class 13.

National Bearing Metals Corporation, St. Louis, Mo. Journal bearing and box units. Serial No. 379,127; Feb. 9. Class 23.

Nyanza Color & Chemical Co. Inc., New York, N. Y. Chemicals and waterproofing materials. Serial No. 385,938; Feb. 9. Class 6.

Osann Corporation, The, Elizabethport, N. J., and New York, N. Y. Sewing machines. Serial No. 386,555; Feb. 9. Class 23.

Osborn, Walter D., doing business as Red Devil Products Co., Chicago, Ill. Composition packing. Serial No. 385,744; Feb. 9. Class 35.

Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. Serial No. 385,674; Feb. 9. Class 43.

Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. Serial No. 386,811; Feb. 9. Class 43.

Pacific Coast Borax Company, New York, N. Y. Soap and borax powder preparation. Serial No. 385,798; Feb. 9. Class 4.

Patent Cereals Company, Geneva, N. Y. Chemical preparation for a wall paper remover. Serial No. 386,124; Feb. 9. Class 6.

Patricia Petticoat Co., Inc., New York, N. Y. Chemises, negligees, panties, etc. Serial No. 386,814; Feb. 9. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Girls' middies, gym shorts, gym shirts, etc. Serial No. 385,748; Feb. 9. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Shoes. Serial No. 386,334; Feb. 9. Class 39.

Pennsylvania Cooperative Potato Growers Association, Inc., Bellefonte, Pa. Potatoes. Serial No. 385,603; Feb. 9. Class 46.

Pereles Bros. Inc., Milwaukee, Wis. Spectacles. Serial No. 385,799; Feb. 9. Class 26.

Politics, Inc., Washington, D. C. Magazine. Serial No. 385,604; Feb. 9. Class 38.

Pressure Oil Burners, Inc., doing business as Viking Manufacturing Co., York, Pa. Oil burners. Serial No. 381,690; Feb. 9. Class 34.

Purity Products, Inc., Jersey City, N. J. Cereal breakfast food. Serial No. 386,126; Feb. 9. Class 46.

Quintero, B., & Co., New York, N. Y. Chocolate flavored malt in powdered form. Serial No. 384,437; Feb. 9. Class 46.

R. C. A. Rubber Company, The, Akron, Ohio. Rubber composition flooring materials or rubber tiling. Serial No. 383,596; Feb. 9. Class 12.

R. C. A. Rubber Company, The, Akron, Ohio. Rubber tiling. Serial No. 383,598; Feb. 9. Class 12.

Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Machines for peening and reshaping pistons and parts of said machines. Serial No. 385,605; Feb. 9. Class 23.

Red Devil Products Co. (See Osborn, Walter D.)

Riegel Textile Corporation, New York, N. Y. Shirts. Serial No. 385,942; Feb. 9. Class 39.

Rinaldi Bros., New York, N. Y. Canned tomato sauce. Serial No. 384,596; Feb. 9. Class 46.

Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Soy bean flour and bread. Serial No. 382,239; Feb. 9. Class 46.

Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Canned protein meat-like food. Serial No. 382,241; Feb. 9. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Non-caffeine food beverage. Serial No. 382,242; Feb. 9. Class 46.

Safety First Shoe Company. (See Williams, Arthur A.)

Safeway Stores, Incorporated, Reno, Nev. Bread. Serial No. 372,433; Feb. 9. Class 46.

Salfair, Inc., New York, N. Y. Ladies' hats. Serial No. 385,753; Feb. 9. Class 39.

Sandy Fabrics Corp., New York, N. Y. Printed textile piece goods. Serial No. 386,273; Feb. 9. Class 42.

Sea Tang Oyster Co. (See Mey, Hans.)

Shillito, John, Company, The, Cincinnati, Ohio. Shoes. Serial No. 385,906; Feb. 9. Class 39.

Shoe Lace Company, Boston, Mass. Frogs. Serial No. 386,455; Feb. 9. Class 40.

Shulton, Inc., New York, N. Y. Soaps and shaving creams. Serial No. 385,376; Feb. 9. Class 4.

Sight Light Corporation, The, New York, N. Y. Instrument for measuring and recording light intensities. Serial No. 365,358; Feb. 9. Class 26.

Simmons Hardware Company, St. Louis, Mo. Safety razor blades. Serial No. 386,745; Feb. 9. Class 23.

Slick-Shine Co. Inc., The, Newark, N. J. Chemical cleaning compound. Serial No. 382,396; Feb. 9. Class 6.

Standard Garment Company, Columbia, Pa., and New York, N. Y. Dresses. Serial No. 385,995; Feb. 9. Class 39.

Stelz Company, Inc., New York, N. Y. Books, prints, labels, etc. Serial No. 385,070; Feb. 9. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Periodical. Serial No. 386,183; Feb. 9. Class 38.

Sun Waters. (See Butler, Julius W.)

Supreme Jr. Coat Co. (See Berkowitz, Louis.)

Thayer, Charles A., doing business as The Thayer Chemical Co., Topeka, Kans. Organic calcium compound. Serial No. 386,051; Feb. 9. Class 6.

Thermo Service Company, Inc., The, Chicago, Ill. Metal rings and covers. Serial No. 372,446; Feb. 9. Class 13.

Time, Incorporated, New York, N. Y. Newspaper column. Serial No. 385,758; Feb. 9. Class 38.

Togstad, Vera P., doing business as C. I. Togstad Company, Kokomo, Ind. Water softener. Serial No. 365,220; Feb. 9. Class 6.

Tortuga Products Company. (See Anderson, Hunter.)

20th Century Candy Co. (See Fitzgerald, Gilbert F.)

United Drug Company, Boston, Mass. Solution of the blood-pressure-raising principle of the suprarenal gland. Serial No. 385,760; Feb. 9. Class 6.

United States Air Conditioning Corporation, Minneapolis, Minn. Air conditioning units. Serial No. 386,055; Feb. 9. Class 34.

U. S. Manufacturing Corporation, Decatur, Ill. Corn poppers. Serial No. 384,775; Feb. 9. Class 13.

Vapo-Efrin Company, Inc., Portland, Oreg. Solution used in the treatment of asthma and hay fever. Serial No. 386,133; Feb. 9. Class 6.

Vestalite Corporation, New York N. Y. Cigar, cigarette, and pipe lighters. Serial No. 379,493; Feb. 9. Class 34.

Viking Manufacturing Co. (See Pressure Oil Burners, Inc.)

Virginia Snow Studios. (See Collingbourne Mills, Inc.)

Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Scrapple, ham, and rinds of ham and bacon. Serial No. 370,909; Feb. 9. Class 46.

Vogue Knitting Company, Womelsdorf, Pa. Pajamas and nightgowns. Serial No. 386,558; Feb. 9. Class 39.

Voinvienti-Osuusliike Valio r. l., Helsingfors, (Helsinki), Finland. Cheese, butter, condensed milk, cream. Serial No. 376,017; Feb. 9. Class 46.

Volcrit Company, The. (See Volkmann, Elmer O.)

Volkmann, Elmer O., doing business as The Volcrit Company, Milwaukee, Wis. Medicinal preparation. Serial No. 385,763; Feb. 9. Class 6.

Wanerus, Theodore A., Buffalo, N. Y. Newspaper column. Serial No. 383,663; Feb. 9. Class 38.

Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. Serial No. 379,931; Feb. 9. Class 46.

Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. Serial No. 379,933; Feb. 9. Class 46.

Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. Serial Nos. 379,936–8; Feb. 9. Class 46.

Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. Serial No. 383,377; Feb. 9. Class 46.

Waterbury Brewing Co., Inc., Waterbury, Conn. Ale and malt beverages. Serial No. 387,011; Feb. 9. Class 48.

Weinberg, Weinberg & Alpern, New York, N. Y. Dresses, gowns, frocks. Serial No. 384,828; Feb. 9. Class 39.

Whitmore Manufacturing Company, The, Cleveland, Ohio. Lubricating oil and grease compounds. Serial Nos. 385,321–2; Feb. 9. Class 15.

Williams, Arthur A., doing business as Safety First Shoe Company, Holliston, Mass. Boots and shoes. Serial No. 374,349; Feb. 9. Class 39.

Williamsbridge Mills, Inc., New York, N. Y. Blouses. Serial No. 386,612; Feb. 9. Class 39.

Willis, Glenn B., doing business as Alvita Products Company, Pasadena, Calif. Preparation of clover used as a tea substitute. Serial No. 384,988; Feb. 9. Class 46.

Winship Company, Inc., Utica, N. Y. Trunks, dress-suit cases, and handbags. Serial No. 386,466; Feb. 9. Class 3.

Winthrop Chemical Company, Inc., New York, N. Y. Synthetic crystalline vitamin B_1. Serial No. 386,088; Feb. 9. Class 6.

Yardley Screen and Weather Strip Corporation, Columbus, Ohio. Venetian blinds and non-fabric cornices and valances therefor. Serial No. 386,614; Feb. 9. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

Aaron, Harry, doing business as Aaron Beauty Supply Company, Brooklyn, N. Y. Brilliantine, hair tonic, talcum powder, etc. 343,214; Feb. 9. Class 6.

Addressograph-Multigraph Corporation, Cleveland and Euclid, Ohio. Printing machines and parts thereof, duplicating machines and parts thereof, etc. 343,106; Feb. 9; Serial No. 382,998; published Nov. 24, 1936. Class 23.

Albers Packing Company, Riverside, Calif. Canned olives. 343,123; Feb. 9; Serial No. 383,290; published Dec. 1, 1936. Class 46.

American Bemberg Corporation, New York, N. Y. Thread and yarn. 343,097; Feb. 9; Serial No. 382,854; published Dec. 1, 1936. Class 43.

American Brake Shoe and Foundry Company, The. (See Southern Wheel Company, assignor.)

American Maize-Products Company, New York, N. Y. Prolamin material derived from corn gluten. 343,201; Feb. 9; Serial No. 384,152; published Nov. 24, 1936. Class 1.

American Pop Corn Company, Sioux City, Iowa. Pop corn. 343,184; Feb. 9; Serial No. 384,362; published Dec. 1, 1936. Class 46.

Arden, Elizabeth, Inc., New York, N. Y. Suntan oil, sun-proof cream, bronze liquid lotion for face and body. 342,994; Feb. 9; Serial No. 367,984; published Nov. 17, 1936. Class 6.

Aron, J., & Company, Inc. (See Panama Rice Milling Co., assignor.)

Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. 343,009; Feb. 9; Serial No. 376,565; published Nov. 17, 1936. Class 39.

Athelstan, Gunnlaugur T., doing business as Athelstan Products Co., Minneapolis, Minn. Rodent and vermin poisons. 343,054; Feb. 9; Serial No. 381,833; published Nov. 17, 1936. Class 6.

Atlas Brewing Company, Chicago, Ill. Glass bottles for beer. 343,051; Feb. 9; Serial No. 381,750; published Dec. 1, 1936. Class 33.

Austin, Frank E., Hanover, N. H. Scenic insect cages. 343,032–3; Feb. 9; Serial Nos. 381,103–4; published Dec. 1, 1936. Class 50.

Avenarius Brothers, Gaualgesheim, assignor to R. Avenarius & Co., Stuttgart, Germany. Preservative liquids. 14,048; re-renewed Feb. 8, 1937.

Bass, Ratcliff & Gretton Limited, Burton-on-Trent, England. Beer, ale, stout, and porter. 343,198; Feb. 9; Serial No. 384,403; published Dec. 1, 1936. Class 48.

Baylis, Walter S., Los Angeles, Calif. Neutral activated fuller's earth. 343,163; Feb. 9; Serial No. 383,911; published Nov. 24, 1936. Class 1.

Becker, Smith & Page, Incorporated, Philadelphia, Pa. Wall paper. 343,164; Feb. 9; Serial No. 383,912; published Nov. 24, 1936. Class 37.

Beir, Arthur, & Co., Inc., New York, N. Y. Cotton piece goods. 343,026; Feb. 9; Serial No. 380,469; published Dec. 1, 1936. Class 42.

Bell Sound Systems Inc., The, Columbus, Ohio. Audio and electric amplifiers, microphones, loud speakers, etc. 343,020; Feb. 9; Serial No. 378,819; published Nov. 24, 1936. Class 21.

Bendix Products Corporation, South Bend, Ind. Rubber tire slotting or retreading machinery. 343,007; Feb. 9; Serial No. 376,238; published Nov. 24, 1936. Class 23.

Bennett-Lang Corporation, New York, N. Y. Ladies' muffler and glove ensembles. 343,078; Feb. 9; Serial No. 382,462; published Nov. 24, 1936. Class 39.

Bishinger Koebler Manufacturing Company, Inc., Pittsburgh, Pa. Oxygen breathing apparatus. 343,090; Feb. 9; Serial No. 382,747; published Dec. 1, 1936. Class 44.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. 343,015; Feb. 9; Serial No. 377,831; published Nov. 24, 1936. Class 23.
Bloomingdale Bros., Inc., New York, N. Y. Whiskey. 343,223; Feb. 9. Class 49.
Bojar, Leo, doing business as Bojar Company, Providence, R. I. Jewelry for personal wear. 343,001; Feb. 9; Serial No. 371,725; published Jan. 7, 1936. Class 28.
Borden Company, The. (See Keith, H. J., Company, assignor.)
Brandt, E. S., Los Angeles, Calif. Maté. 343,150; Feb. 9; Serial No. 383,766; published Dec. 1, 1936. Class 46.
Brown Company, Portland, Me., and Berlin, N. H. Fiber conduits for electrical purposes. 343,000; Feb. 9; Serial No. 370,938; published Dec. 1, 1936. Class 21.
Brown, Thomas H., Hosiery Co., Inc., Philadelphia, Pa. Hosiery. 343,109; Feb. 9; Serial No. 383,084; published Nov. 17, 1936. Class 39.
Bullock's, Inc., Los Angeles, Calif. Furniture. 343,208–9; Feb. 9. Class 32.
Burns, John C., doing business as Oloph Specialties Co., Cambridge, Mass. Funeral furniture. 342,992; Feb. 9; Serial No. 355,293; published Dec. 1, 1936. Class 32.
Bush, Thomas W., doing business as Bush's Drug Store, New Smyrna, Fla. Preparation for common colds. 343,003; Feb. 9; Serial No. 374,549; published Nov. 17, 1936. Class 6.
Butterfield, Fred, & Co., Inc., New York, N. Y. Fabrics in the piece. 343,190; Feb. 9; Serial No. 384,244; published Dec. 1, 1936. Class 42.
Bye Company, Inc., The, Cincinnati, Ohio. Baked medicated cake or wafer for use as an internal lubricant. 343,005; Feb. 9; Serial No. 374,963; published Nov. 17, 1936. Class 6.
Caar Canning Company, Redkey, Ind. Canned tomatoes, canned tomato pulp, canned tomato juice. 343,042; Feb. 9; Serial No. 381,400; published Dec. 1, 1936. Class 46.
Capitol Amplifier Company. (See Thomsen, L. W.)
Carman & Co., Inc., New York, N. Y. Starch lubricant. 343,043; Feb. 9; Serial No. 381,401; published Nov. 17, 1936. Class 6.
Carpenter, L. E., & Co., Inc., Newark, N. J. Fabrics coated with cellulose derivatives and fabrics coated with resinous material. 343,035; Feb. 9; Serial No. 381,258; published Dec. 1, 1936. Class 50.
Casco Products Corporation, doing business as The Perfection Motor Products Company, Bridgeport, Conn. Wind deflectors for motor vehicles, splash guards, fender guides, etc. 343,221; Feb. 9. Class 19.
Cava Packing Company, Inc., San Francisco, Calif. Canned fruit cocktail, canned fruits, canned vegetables, etc. 343,145; Feb. 9; Serial No. 383,720; published Dec. 1, 1936. Class 46.
Centennial Flouring Mills Co. (See Seattle Grain Co., assignor.)
Chadron Flour Mills, Chadron, Nebr. Self rising pancake flour, wheat hearts, yellow corn meal, etc. 343,118; Feb. 9; Serial No. 383,215; published Dec. 1, 1936. Class 46.
Chance, A. B., Co., Centralia, Mo. Piston rings for internal combustion engines. 343,111; Feb. 9; Serial No. 383,119; published Dec. 1, 1936. Class 35.
Citrus Juice & Flavor Co. Ltd., Orange, Calif. Beverages and syrups, extracts, and concentrates used in making the same. 343,191; Feb. 9; Serial No. 384,246; published Dec. 1, 1936. Class 45.
Clark, Howard A., Clay Center, Kans. Combination steamer, washer, and sterilizer for cream cans. 343,129; Feb. 9; Serial No. 383,347; published Dec. 1, 1936. Class 23.
Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods. 343,178; Feb. 9; Serial No. 384,118; published Dec. 1, 1936. Class 42.
Commercial Solvents Corporation, New York, N. Y. Solvents having general use in the industrial arts. 343,022; Feb. 9; Serial No. 378,936; published Nov. 17, 1936. Class 6.
Comolite Corporation, Long Island City, N. Y. Blended briar smoking pipes. 343,041; Feb. 9; Serial No. 381,393; published Dec. 1, 1936. Class 8.
Continental Mills, The, Lewiston, Maine, and Boston, Mass. Pillow-tubing, sheeting, and cotton piece goods. 116,601; renewed May 15, 1937.
Cork & Bottle Inc., The, New York, N. Y. Wines. 343,014; Feb. 9; Serial No. 377,735; published Aug. 25, 1936. Class 47.
Cornelius Company, The, Minneapolis, Minn. Beer faucets. 343,107; Feb. 9; Serial No. 383,007; published Dec. 1, 1936. Class 13.
Coupe, Angela M., doing business as Vincenzo Marrone, Utica, N. Y. Olive oil. 343,072; Feb. 9; Serial No. 382,345; published Dec. 1, 1936. Class 46.
Cramerton Mills, Incorporated. (See Mays Mills, Inc.)
Crandall Packing Company, Palmyra, N. Y., and Birmingham, Ala., to Crandall Packing Company, Palmyra, N. Y. Rubber belting and rubber hose. 116,748; renewed May 22, 1937.
Cronwell Co. (See Hallauer, Frank J.)
Curitoe Laboratories. (See Saxe, Elliot.)
Curtis Davis & Co., assignor to Lever Brothers Company, Cambridge, Mass. Soap-powder. 14,364; re-renewed May 10, 1937.
Dennison Manufacturing Company, Framingham, Mass. Crepe paper. 343,073; Feb. 9; Serial No. 382,346; published Nov. 24, 1936. Class 37.
Deutinger, Henry, New York, N. Y. Pickling salt. 343,060; Feb. 9; Serial No. 381,971; published Nov. 17, 1936. Class 6.
Deutsche Benzinuhren G. m. b. H., Berlin, Germany. Cork packings for joints. 343,036; Feb. 9; Serial No. 381,262; published Nov. 24, 1936. Class 35.
Deutsche Benzinuhren G. m. b. H., Berlin, Germany. Measuring and indicating instruments. 343,037; Feb. 9; Serial No. 381,264; published Nov. 24, 1936. Class 26.
De Zalewski, Michel, Paris, France. Pharmaceutical products. 343,074; Feb. 9; Serial No. 382,347; published Nov. 17, 1936. Class 6.
Dick, A. B., Company, Chicago, Ill. Cushion sheets used in the preparation of stencils. 343,176; Feb. 9; Serial No. 383,089; published Dec. 1, 1936. Class 37.
Dietrich, William S., doing business as Pokadot Chemical Company, Greenville, Pa. Laundry bleach preparations, and water softener preparations. 343,016; Feb. 9; Serial No. 378,186; published Dec. 1, 1936. Class 6.
Dole Valve Company, The, Chicago, Ill. Air valves for steam heating systems. 342,999; Feb. 9; Serial No. 370,295; published Dec. 1, 1936. Class 13.
Drew, Irving, Company, The, Portsmouth, Ohio. Boots, shoes, and slippers. 343,087; Feb. 9; Serial No. 382,622; published Nov. 24, 1936. Class 39.
Dry Fruit Products Corporation, Oakland, Calif. Bread. 342,998; Feb. 9; Serial No. 370,177; published Dec. 1, 1936. Class 46.
Duplan Silk Corporation, New York, N. Y. Textile fabrics. 343,031; Feb. 9; Serial No. 381,027; published Dec. 1, 1936. Class 42.
Eagle Pencil Company, New York, N. Y. Lead pencils, crayons, pencil leads, etc. 343,187; Feb. 9; Serial No. 384,031; published Dec. 1, 1936. Class 37.
Eastern Trading Co., Chicago, Ill. Incense. 343,177; Feb. 9; Serial No. 383,990; published Dec. 1, 1936. Class 6.
Eaton Manufacturing Company. (See Wilcox-Rich Corporation, assignor.)
Elder Manufacturing Company, St. Louis, Mo. Shirts. 116,891; renewed June 5, 1937.
Eliason, Nancy C., Washington, D. C. Dresses, suits, and hats. 343,224; Feb. 9. Class 39.
Etablissements Pernod, Maisons Pernod Fils, Henard & Pernod Pere & Fils Reunies (Société Anonyme), Paris, France. Vermouth. 343,088; Feb. 9; Serial No. 382,623; published Dec. 1, 1936. Class 47.
Exeller Chemical Company. (See Heller, Max.)
Federated Mills, Inc., New York, N. Y. Facial tissues. 343,124; Feb. 9; Serial No. 383,300; published Dec. 1, 1936. Class 37.
Floor-Shine Manufacturing Company, assignor, by mesne assignments, to Marie B. Scott, St. Louis, Mo. Varnish. 114,451; renewed Dec. 19, 1936.
Florsheim Shoe Company, The, Chicago, Ill. Shoes. 343,153; Feb. 9; Serial No. 383,805; published Nov. 24, 1936. Class 39.
Food Machinery Corporation, San Jose, Calif. Vehicle wheel balancing weights. 343,138; Feb. 9; Serial No. 383,521; published Dec. 1, 1936. Class 19.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 343,125; Feb. 9; Serial No. 383,304; published Dec. 1, 1936. Class 42.
Foster Canning Co., Inc., The, Glendale, N. Y. Canned food for dogs, cats, and other carnivorous animals. 343,185; Feb. 9; Serial No. 383,997; published Dec. 1, 1936. Class 46.
Frank & Meyer Neckwear Company, St. Louis, Mo. Neckwear. 343,222; Feb. 9. Class 39.
Freedman, A., & Sons, Inc., New Bedford, Mass. Shoes. 343,029; Feb. 9; Serial No. 380,988; published Nov. 24, 1936. Class 39.
Fuelite Oil Treating Corporation, Chicago, Ill. Combination of chemicals made into a compound for use in fuel oils. 343,034; Feb. 9; Serial No. 381,105; published Nov. 17, 1936. Class 6.
Furida, Inc., New York, N. Y. Yarns. 343,179; Feb. 9; Serial No. 384,122; published Dec. 1, 1936. Class 43.
Glanzrock, Chas., & Co., New York, N. Y. Suits, top coats, and overcoats. 343,220; Feb. 9. Class 39.
Glemby Company, Inc., The, New York, N. Y. Human hair used in making hair nets. 343,115; Feb. 9; Serial No. 383,167; published Nov. 24, 1936. Class 1.
Goldsmith Bros., New York, N. Y. Writing and typewriting paper. 343,188; Feb. 9; Serial No. 384,035; published Nov. 24, 1936. Class 37.
Goodyear Footwear Corporation, Providence, R. I. Leather shoes. 343,143; Feb. 9; Serial No. 383,680; published Nov. 24, 1936. Class 39.
Greenfield Tap and Die Corporation, Greenfield, Mass. Gages and micrometers. 114,882; renewed Jan. 9, 1937.
Gross, A., Candle Co. Inc., Baltimore, Md. Sanctuary lamps. 343,065; Feb. 9; Serial No. 382,155; published Dec. 8, 1936. Class 34.
Gurley Candy Company, Minneapolis, Minn., assignor, by mesne assignments, to United Drug Company, Boston, Mass. Chocolate candies. 114,751; renewed Jan. 2, 1937.

Hallauer, Frank J., doing business as Cronwell Co., Washington, D. C. Scalp preparation. 343,079; Feb. 9; Serial No. 382,472; published Nov. 17, 1936. Class 6.
Hartmann Trunk Company, Racine, Wis. Suitcases, luggage carriers, and wardrobe hand luggage. 343,180; Feb. 9; Serial No. 384,124; published Dec. 1, 1936. Class 3.
Hays, Daniel, Company, Inc., The, Gloversville, N. Y. Leather gloves. 343,131; Feb. 9; Serial No. 383,392; published Nov. 24, 1936. Class 39.
Heller, Max, doing business as Exeller Chemical Company, New York, N. Y. Alum powder, anise seed, baby powder, etc. 343,008; Feb. 9; Serial No. 376,243; published Nov. 17, 1936. Class 6.
Hickok Manufacturing Company, Inc., Rochester, N. Y. Belts and suspenders. 343,218; Feb. 9. Class 39.
Hogarth, Alfred M., London, England. Dentifrices. 343,023; Feb. 9; Serial No. 380,058; published Nov. 17, 1936. Class 6.
Hoyt, F. M., Shoe Company, Manchester, N. H. Boots and shoes. 114,887; renewed Jan. 9, 1937.
Hoyt, Frank M., assignor to F. M. Hoyt & Co. Inc., Amesbury, Mass. Salted nuts. 114,355; renewed Dec. 12, 1936.
Hudson Manufacturing Company, Inc., The, Chicago, Ill. Flavoring extracts for foods. 113,978; renewed Nov. 14, 1936.
Hudson Manufacturing Company, Inc., The, Chicago, Ill. Flavoring extracts for foods. 115,088; renewed Jan. 23, 1937.
Huntley, James, Philadelphia, Pa. Toilet kits. 343,059; Feb. 9; Serial No. 381,943; published Dec. 1, 1936. Class 3.
Hyman, S. E., Company, The, Fremont, Ohio. Covers for automobile cushions, seats, and seat backs. 343,102–3; Feb. 9; Serial Nos. 382,953–4; published Dec. 1, 1936. Class 19.
Hyper-Humus Company, Newton, N. J. Fertilizers and soil improvers. 343,027; Feb. 9; Serial No. 380,514; published Dec. 1, 1936. Class 10.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Plasticizers for acetyl cellulose. 342,995; Feb. 9; Serial No. 368,035; published Oct. 8, 1935. Class 6.
Ilford, Limited, Ilford, England. Photographic dry plates, photographic films, and prepared paper for photographic purposes. 116,138–9; renewed Apr. 10, 1937.
International Radio Corporation, Ann Arbor, Mich. Photographic cameras, photographic printing machines, and projectors. 343,011; Feb. 9; Serial No. 377,115; published Dec. 1, 1936. Class 26.
Joy Products Corporation, Little Falls, N. Y. Diapers. 343,130; Feb. 9; Serial No. 383,358; published Dec. 1, 1936. Class 42.
Kahn, E., & Co., Inc., Baltimore, Md. Whiskey, brandy, gin, and rum. 343,215; Feb. 9. Class 49.
Keith, H. J., Company, Boston, Mass., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Frozen egg. 114,486; renewed Dec. 19, 1936.
King, Charles, Co., Johnstown, N. Y. Leather. 343,212; Feb. 9. Class 1.
Kirsch Company, Sturgis, Mich. Venetian blinds. 343,044; Feb. 9; Serial No. 381,460; published Nov. 24, 1936. Class 32.
Knowlton, Wm., & Sons Company, Upton, Mass. Hats. 343,091; Feb. 9; Serial No. 382,798; published Nov. 24, 1936. Class 39.
Knox Company, The, Los Angeles, Calif. Preparations used in and for the treatment of disorders and functional irritations of the stomach, intestines, etc. 343,132; Feb. 9; Serial No. 383,394; published Nov. 24, 1936. Class 6.
Knox Company, The, Los Angeles, Calif. Preparations used in and for the treatment of asthma, hay fever, etc. 343,133; Feb. 9; Serial No. 383,395; published Nov. 24, 1936. Class 6.
Knox Company, The, Los Angeles, Calif. Preparations used in and for treatment of ringworm, fungus conditions of the skin and feet, etc. 343,134; Feb. 9; Serial No. 383,396; published Nov. 24, 1936. Class 6.
Koch, William F., doing business as Koch Laboratories, Detroit, Mich. Preparation used in the treatment of cancer, tuberculosis, etc. 343,092; Feb. 9; Serial No. 382,799; published Nov. 10, 1936. Class 6.
Kraemer's Stores, Inc., Toledo, Ohio. Smoking tobacco. 343,083; Feb. 9; Serial No. 382,559; published Nov. 24, 1936. Class 17.
Kraut & Dohnal, Chicago, Ill. Cutlery. 343,018; Feb. 9; Serial No. 378,439; published Nov. 24, 1936. Class 23.
Kraut & Dohnal, Chicago, Ill. Cutlery. 343,019; Feb. 9; Serial No. 378,729; published Nov. 24, 1936. Class 23.
Kroger Grocery & Baking Company, Cincinnati, Ohio. Cleansing tissues. 343,193; Feb. 9; Serial No. 384,086; published Nov. 24, 1936. Class 37.
La Touraine Coffee Co., Boston, Mass. Coffee. 343,024; Feb. 9; Serial No. 380,178; published Dec. 1, 1936. Class 46.
Laub, John J., doing business as Laub Rat-Kiss Co., Pekin, Ill. Preparation to kill rats and mice. 343,056; Feb. 9; Serial No. 381,896; published Nov. 10, 1936. Class 6.
Lehn & Fink Products Corporation, Bloomfield, N. J. Vaginal antiseptic. 343,141; Feb. 9; Serial No. 383,581; published Dec. 1, 1936. Class 6.
Leighton Hat Co. Inc., New York, N. Y. Ladies' hats. 343,013; Feb. 9; Serial No. 377,638; published Nov. 24, 1936. Class 39.
Les Parfums Chypron Societe Anonyme, Courbevoie/Seine, France. Eau de cologne, lavender water, hair washes, etc. 343,139; Feb. 9; Serial No. 383,536; published Dec. 1, 1936. Class 6.
Lever Bros., Warrenton, England, assignor, by mesne assignments, to Lever Brothers Company, Cambridge, Mass. Soap. 14,441; re-renewed May 24, 1937.
Lever Brothers Company. (See Curtis, Davis & Co., assignor.)
Lever Brothers Company. (See Stallman & Fulton, assignor.)
Longwood Pharmacy, Inc., doing business as Longwood Dietetic House, Boston, Mass. Pharmaceutical preparation. 343,057; Feb. 9; Serial No. 381,899; published Nov. 17, 1936. Class 6.
Loomis, W. H., Talc Corporation, Gouverneur, N. Y. Tremolitic talc. 343,159; Feb. 9; Serial No. 383,888; published Dec. 1, 1936. Class 1.
Lowe, Joe, Corporation, New York, N. Y. Powdered phosphate of soda mixed with sufficient corn starch to reduce to the strength of cream of tartar. 343,186; Feb. 9; Serial No. 384,003; published Dec. 1, 1936. Class 6.
Luxtrol Company, Inc., New York, N. Y. Electrical equipment. 343,017; Feb. 9; Serial No. 378,367; published Nov. 24, 1936. Class 26.
Mabie, Roy W., Ridgewood, N. J. Live frogs. 343,217; Feb. 9. Class 1.
Mallory, E. A., and Sons, Incorporated, Danbury, Conn., and New York, N. Y., by change of name to The Mallory Hat Company, Danbury, Conn. Soft hats. 114,646; renewed Dec. 26, 1936.
Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y., assignor to National Carbon Company, Inc., New York, N. Y. Electrical apparatus, machines, and supplies. 114,900; renewed Jan. 9, 1937.
Markham, Sid, doing business as Markham Laboratories, Miami, Fla. Burn ointment. 343,197; Feb. 9; Serial No. 384,384; published Nov. 24, 1936. Class 6.
Marrone, Vincenzo. (See Coupe, Angela M.)
Mars Incorporated, Chicago, Ill. Candy. 343,146; Feb. 9; Serial No. 383,744; published Dec. 1, 1936. Class 46.
Masengarb, G. F., doing business as The Masex Company, Rockford, Ill. Ointment. 343,154; Feb. 9; Serial No. 383,813; published Dec. 1, 1936. Class 6.
Masex Company, The. (See Masengarb, G. F.)
Maxiwax Incorporated, Chicago, Ill. Mechanical razor blade sharpeners. 343,047; Feb. 9; Serial No. 381,680; published Nov. 24, 1936. Class 23.
Mayfair Needlework Pattern Company, Inc., The, New York, N. Y. Needlework patterns. 343,084; Feb. 9; Serial No. 382,564; published Dec. 1, 1936. Class 26.
Mayfair Yarncraft. (See Osborne, Glenn E.)
Mays Mills, Inc., Mayworth, by change of name to Cramerton Mills, Incorporated, Cramerton, N. C. Carded and combed cotton yarns. 116,963; renewed June 5, 1937.
McGraw Electric Company, Chicago, Ill., and St. Louis, Mo. Fuses, fuse bases, and adapters of the type. 343,200; Feb. 9; Serial No. 384,149; published Dec. 1, 1936. Class 21.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Lipstick, cold cream, cleansing cream, etc. 343,151; Feb. 9; Serial No. 383,776; published Dec. 1, 1936. Class 6.
McLachlan, George, Hat Company, The, Danbury, Conn. Felt hats. 343,089; Feb. 9; Serial No. 382,633; published Nov. 24, 1936. Class 39.
Merck & Co. Inc., Rahway, N. J. Chemical compounds used for plant growth stimulation. 343,128; Feb. 9; Serial No. 383,341; published Nov. 24, 1936. Class 6.
Metropolitan Refining Company, Inc., Long Island City, N. Y. Chemical compound for the elimination and removal of rust and corrosion. 342,993; Feb. 9; Serial No. 361,758; published Apr. 30, 1935. Class 6.
Mihalovitch Brothers Company, The, assignor, by mesne assignments, to The Zanol Products Company, Cincinnati, Ohio. Chemicals and pharmaceutical preparations. 117,277; renewed June 26, 1937.
Miller Manufacturing Co., Hicksville, Ohio. Hand operated tools. 343,119; Feb. 9; Serial No. 383,216; published Dec. 1, 1936. Class 23.
Mohawk Liqueur Corporation, Detroit, Mich. Alcoholic bitters, brandy, cocktails, etc. 343,052; Feb. 9; Serial No. 361,811; published Apr. 30, 1935. Class 49.
Monarch Wine Co., Inc., New York, N. Y. Wines. 343,136; Feb. 9; Serial No. 383,415; published Dec. 1, 1936. Class 47.
Monsanto Chemical Company, St. Louis, Mo. Sodium pyrophosphates and sodium pyrophosphate mixtures. 343,064; Feb. 9; Serial No. 382,098; published Dec. 1, 1936. Class 6.
More Candy Company, Rochester, N. Y. Candy. 343,219; Feb. 9. Class 46.
Murley-Rolleston Corporation, New York, N. Y. Electromedical and electro-surgical apparatus. 343,152; Feb. 9; Serial No. 383,778; published Dec. 1, 1936. Class 44.
Naco Amusement Co., Prescott, Ariz. Electrically operated sign boards. 343,126; Feb. 9; Serial No. 383,319; published Dec. 1, 1936. Class 21.
Napco Products Company. (See Napoleon Gustave.)

Napoleon, Gustave, doing business as Napco Products Company, Trenton, N. J. Insecticides. 343,098; Feb. 9; Serial No. 382,881; published Nov. 10, 1936. Class 6.
National Carbon Company, Inc. (See Manhattan Electrical Supply Company, assignor.)
National Department Stores Management & Buying Corporation, New York, N. Y. Women's and misses' hats, coats, dresses, etc. 343,127; Feb. 9; Serial No. 383,320; published Nov. 24, 1936. Class 39.
National Drug Company, The, Philadelphia, Pa. Sterile non-pyrogenic solutions for intravenous use. 343,002; Feb. 9; Serial No. 371,735; published Nov. 17, 1936. Class 6.
National Institute of Nutrition, Los Angeles, Calif., and Buffalo, N. Y. Yeast tablets. 343,165; Feb. 9; Serial No. 383,935; published Dec. 1, 1936. Class 6.
National Pencil Company, Shelbyville, Tenn. Wood cased lead pencils and mechanical pencils. 343,046; Feb. 9; Serial No. 381,536; published Dec. 1, 1936. Class 37.
New England Brewing Company, The, Hartford, Conn. Beer and ale. 343,156; Feb. 9; Serial No. 383,849; published Dec. 1, 1936. Class 48.
Newman, Rose, doing business as Newman Products Co., Brooklyn, N. Y. Preparation for corn and callous removing and bunion treating. 343,050; Feb. 9; Serial No. 381,723; published Nov. 17, 1936. Class 6.
Noble Paper Company, The, Cleveland, Ohio. Book paper, bond paper, ledger paper, etc. 343,160; Feb. 9; Serial No. 383,895; published Dec. 1, 1936. Class 37.
North & Judd Manufacturing Company, New Britain, Conn. Hardware and accessories for harness and saddlery. 343,194; Feb. 9; Serial No. 384,095; published Dec. 1, 1936. Class 3.
Northam Warren Corporation, New York, N. Y. Antiseptic nail lotion and skin ointment. 343,144; Feb. 9; Serial No. 383,684; published Dec. 1, 1936. Class 6.
Nutri-Brom Pharmacal Co., Inc., Brooklyn, N. Y. Sedative and hypnotic preparations. 343,048; Feb. 9; Serial No. 381,685; published Nov. 17, 1936. Class 6.
Okonite Company, The, Passaic, N. J. Insulated wires and cables. 343,166; Feb. 9; Serial No. 383,937; published Nov. 24, 1936. Class 21.
Oliver Farm Equipment Company, Chicago, Ill. Tractors, stationary engines, threshers, etc. 343,061; Feb. 9; Serial No. 381,999; published Nov. 24, 1936. Class 23.
Ollendorff, I., Co., to Ollendorff Watch Co. Inc., New York, N. Y., successor. Watchcases and watch-movements. 116,972–3; renewed June 5, 1937.
Oloph Specialties Co. (See Burns, John C.)
Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. 343,181–2; Feb. 9; Serial Nos. 384,134–5; published Dec. 1, 1936. Class 43.
Panama Rice Milling Co., assignor, by mesne assignments, to J. Aron & Company, Inc., New Orleans, La. Rice. 117,056; renewed June 12, 1937.
Parfums Lengyel, Ltd., Dover, Del., and New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 343,116; Feb. 9; Serial No. 383,178; published Nov. 10, 1936. Class 6.
Parker, A. Mabel, New York, N. Y. Mayonnaise. 343,012; Feb. 9; Serial No. 377,369; published Dec. 1, 1936. Class 46.
Parker, Mortimer B., Oakland, Calif. Vaporizers of volatile materials. 343,039–40; Feb. 9; Serial Nos. 381,374–5; published Dec. 1, 1936. Class 44.
Pepperell Manufacturing Company, Boston, Mass. Textile fabrics. 343,189; Feb. 9; Serial No. 384,049; published Dec. 1, 1936. Class 42.
Perfection Motor Products Company, The. (See Casco Products Corporation.)
Petri Cigar Co., doing business as Petri Wine Company, San Francisco, Calif. Wines. 343,137; Feb. 9; Serial No. 383,443; published Dec. 1, 1936. Class 47.
Pharma-Chemical Corporation, New York, N. Y., and Bayonne, N. J. Dyes. 343,066; Feb. 9; Serial No. 382,167; published Dec. 1, 1936. Class 6.
Pokadot Chemical Company. (See Dietrich, William S.)
Porter (Philadelphia) Inc., Philadelphia, Pa. Yarn. 343,204; Feb. 9; Serial No. 384,218; published Dec. 1, 1936. Class 43.
Pratt Industries, Inc., Frankfort, N. Y. Automotive mufflers and exhaust and tail pipes. 343,070; Feb. 9; Serial No. 382,320; published Dec. 1, 1936. Class 23.
Prentiss, R. J., & Co., Inc., New York, N. Y. Concentrates and chemicals. 343,063; Feb. 9; Serial No. 382,072; published Nov. 17, 1936. Class 6.
Preserves & Honey, Inc., New York, N. Y. Fruit preserves, jams, jellies, etc. 343,147; Feb. 9; Serial No. 383,749; published Dec. 1, 1936. Class 46.
RCA Manufacturing Company, Inc., Camden, N. J. Radio receiving sets, television receiving sets, kits for radio receiving sets, etc. 343,158; Feb. 9; Serial No. 383,854; published Nov. 24, 1936. Class 21.
Rare Chemicals, Inc., Nepera Park, N. J. Preparations used as an effective blood builder in hypochromic forms of anemia and as a hematinic and general reconstructive tonic. 343,055; Feb. 9; Serial No. 381,877; published Nov. 17, 1936. Class 6.
Rascher & Betzold, assignor to Rascher & Betzold, Inc., Chicago, Ill. Thermometers, hydrometers and laboratory glassware. 342,991; Feb. 9; Serial No. 354,137; published Nov. 24, 1936. Class 26.
Rather, Oscar A., assignor to Yahr-Lange Inc., Milwaukee, Wis. Cough-drops. 117,059; renewed June 12, 1937.
Raylite Trading Co., Inc., New York, N. Y. Decorative electric lighting outfits and lamps therefor. 343,157; Feb. 9; Serial No. 383,853; published Nov. 24, 1936. Class 21.
Red-Bar Battery Company, Dayton, Ohio. Storage batteries. 343,195; Feb. 9; Serial No. 384,098; published Dec. 1, 1936. Class 21.
Reed, Walter C., North Hollywood, Calif. Vacuum cleaners. 343,155; Feb. 9; Serial No. 383,817; published Nov. 24, 1936. Class 23.
Reynolds Wire Co., Dixon, Ill. Wire-screen cloth. 116,858; renewed May 29, 1937.
Roan Mfg. Co., Racine, Wis. Electric flashers. 343,206; Feb. 9; Serial No. 363,478; published Aug. 11, 1936. Class 21.
Robinson, Mrs. James S., doing business as James S. Robinson, Apothecary, Memphis, Tenn. Tonic preparation. 343,099; Feb. 9; Serial No. 382,888; published Nov. 10, 1936. Class 6.
Rocky Mountain Garment Manufacturing Co., Denver, Colo. Service apparel. 343,085; Feb. 9; Serial No. 382,571; published Nov. 24, 1936. Class 39.
Rolls-Royce Limited, Derby, England. Internal combustion engines and parts thereof and variable gearings. 343,053; Feb. 9; Serial No. 381,817; published Nov. 24, 1936. Class 23.
Rosenberg, Murray M., Inc., New York, N. Y. Shoes, slippers, boots, etc. 343,075; Feb. 9; Serial No. 382,359; published Nov. 24, 1936. Class 39.
Royal Manufacturing Co. of Duquesne, Duquesne, Pa. Preparation containing vitamins A, D, and E. 343,006; Feb. 9; Serial No. 375,902; published Oct. 20, 1936. Class 6.
Ruma-Ban Laboratories, Inc., Greenville, S. C. Preparation for rheumatism, lumbago, etc. 343,062; Feb. 9; Serial No. 382,005; published Nov. 17, 1936. Class 6.
S. H. G. Incorporated, Chicago, Ill. Machines for making carbureted gas. 343,101; Feb. 9; Serial No. 382,931; published Dec. 1, 1936. Class 34.
S. M. Laboratories, Inc., Seattle, Wash. Emmenagogue. 343,112; Feb. 9; Serial No. 383,141; published Nov. 10, 1936. Class 6.
Sanders Manufacturing Company, Nashville, Tenn. Wood cased and mechanical pencils. 343,067; Feb. 9; Serial No. 382,180; published Nov. 24, 1936. Class 37.
Sandoz Chemical Works, Inc., New York, N. Y. Preparation intended for the treatment of hepato-biliary and digestive disturbances. 343,196; Feb. 9; Serial No. 384,100; published Dec. 1, 1936. Class 6.
Sanifoot Company, The, Kansas City, Mo. Preparation for the treatment of skin infections. 343,045; Feb. 9; Serial No. 381,467; published Dec. 1, 1936. Class 6.
Santa Paula Orange Assn., Santa Paula, Calif. Fresh citrus fruits. 343,167–8; Feb. 9; Serial Nos. 383,946–7; published Dec. 1, 1936. Class 46.
Santa Paula Orange Assn., Santa Paula, Calif. Fresh citrus fruits. 343,169–70; Feb. 9; Serial Nos. 383,949–50; published Dec. 1, 1936. Class 46.
Saxe, Elliot, doing business as Curitoe Laboratories, New Britain, Conn. Medicinal preparation. 343,171; Feb. 9; Serial No. 383,951; published Dec. 1, 1936. Class 6.
Schachenmayr, Mann & Co., Salach, Germany. Yarns. 343,004; Feb. 9; Serial No. 374,855; published Nov. 24, 1936. Class 43.
Schepps Brewing Corporation, Dallas, Tex. Lager beer. 343,183; Feb. 9; Serial No. 384,269; published Dec. 1, 1936. Class 48.
Schuefel Bros. Corporation, Newark, N. J. Nail polish remover and thinner. 343,071; Feb. 9; Serial No. 382,323; published Nov. 17, 1936. Class 6.
Schonbrunn, S. A., & Co. Inc., New York, N. Y. Coffee. 343,148; Feb. 9; Serial No. 383,752; published Dec. 1, 1936. Class 46.
Schutter-Johnson Candy Corporation, Chicago, Ill. Candy. 343,199; Feb. 9; Serial No. 384,138; published Dec. 1, 1936; Class 46.
Schwanda, Inc., New York, N. Y. Buttons, buckles, clips, etc. 343,213; Feb. 9. Class 40.
Scott, Marie B. (See Floor-Shine Manufacturing Company, assignor.)
Sears, Roebuck and Co., Chicago, Ill. Hosiery, dresses, gloves, etc. 343,068; Feb. 9; Serial No. 382,288; published Nov. 24, 1936. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Electric hot plates. 343,069; Feb. 9; Serial No. 382,291; published Nov. 24, 1936. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Sheets and pillow cases. 343,161; Feb. 9; Serial No. 383,900; published Dec. 1, 1936. Class 42.
Sears, Roebuck and Co., Chicago, Ill. Textile rugs. 343,172; Feb. 9; Serial No. 383,954; published Dec. 1, 1936. Class 42.
Seattle Grain Co., assignor to Centennial Flouring Mills Co., Seattle, Wash. Wheat-flour. 117,065; renewed June 12, 1937.
Seebasco Laboratories, Inc., Philadelphia, Pa. Preparation for the treatment of the feet. 343,049; Feb. 9; Serial No. 381,693; published Nov. 17, 1936. Class 6.
Seminole Flavor Company, Chattanooga, Tenn. Carbonated beverages and syrups for compounding the same. 343,203; Feb. 9; Serial No. 384,184; published Dec. 1, 1936. Class 45.
Sheffield Company, The, New London, Conn. Tooth paste. 343,077; Feb. 9; Serial No. 382,450; published Nov. 17, 1936. Class 6.

Solo Automotive Engineering Co., assignor to Solo Automotive Manufacturing Company, New York, N. Y. Valve device used for bleeding hydraulic brakes of vehicles. 343,028; Feb. 9; Serial No. 380,888; published Dec. 1, 1936. Class 13.
Southern Wheel Company, New York, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Car wheels. 343,135; Feb. 9; Serial No. 383,409; published Dec. 1, 1936. Class 19.
Stallman & Fulton, New York, N. Y., assignor, by mesne assignments, to Lever Brothers Company, Cambridge, Mass. White castile-soap. 14,118; re-renewed Mar. 1, 1937.
Standard Brands Incorporated, New York, N. Y. Gelatin. 343,080; Feb. 9; Serial No. 382,492; published Dec. 1, 1936. Class 46.
Standard Brewing Company, Inc., Rochester, N. Y. Beer and ale. 343,173; Feb. 9; Serial No. 383,960; published Dec. 1, 1936. Class 48.
Ste. Pierre Smirnoff Fls. Incorporated, New York, N. Y. Vodka. 343,210–11; Feb. 9. Class 49.
Stetson, John B., Company, Philadelphia, Pa. Women's hats. 343,110; Feb. 9; Serial No. 383,108; published Nov. 24, 1936. Class 39.
Stromberg Electric Company, Chicago, Ill. Workmen's time recording systems. 343,216; Feb. 9. Class 26.
Sunny Hill Wineries, Chicago, Ill. Wines. 343,086; Feb. 9; Serial No. 382,609; published Dec. 1, 1936. Class 47.
Sweet Feet, Incorporated, Gulfport, Miss. Preparation for deodorizing and treating athlete's foot. 343,025; Feb. 9; Serial No. 380,466; published Nov. 17, 1936. Class 6.
Swisher, Jno. H., & Son, Inc., Jacksonville, Fla. Cigars. 343,162; Feb. 9; Serial No. 383,902; published Nov. 24, 1936. Class 17.
Tennessee Eastman Corporation, Kingsport, Tenn. Denaturant for ethyl alcohol. 343,093; Feb. 9; Serial No. 382,814; published Nov. 10, 1936. Class 6.
Terhume, Yearance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics. 343,192; Feb. 9; Serial No. 384,055; published Dec. 1, 1936. Class 42.
Thomsen, L. W., doing business as Capitol Amplifier Company, Washington, D. C. Telephonic electrical annunciators and call systems and the like, etc. 343,113; Feb. 9; Serial No. 383,146; published Dec. 1, 1936. Class 21.
Tober-Saifer Shoe Company, St. Louis, Mo. Shoes. 343,081; Feb. 9; Serial No. 382,537; published Nov. 24, 1936. Class 39.
Tokalon Chemical Corporation, New York, N. Y. Toilet preparation. 343,117; Feb. 9; Serial No. 383,189; published Nov. 10, 1936. Class 6.
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind. Self-measuring gasoline pumps. 343,108; Feb. 9; Serial No. 383,040; published Dec. 1, 1936. Class 26.
Toledo Scale Company, Toledo, Ohio. Food choppers. 343,140; Feb. 9; Serial No. 383,552; published Nov. 24, 1936. Class 23.
Tolibin, J. R., New York, N. Y. Cheese, canned vegetables, tomato paste. 343,149; Feb. 9; Serial No. 383,755; published Dec. 1, 1936. Class 46.
Tomlinson of High Point, High Point, N. C. Buffets, dining tables, serving tables, etc. 343,120; Feb. 9; Serial No. 383,238; published Dec. 1, 1936. Class 32.
Transducer Corporation, New York, N. Y. Sound detecting and reproducing equipment. 343,094; Feb. 9; Serial No. 382,846; published Dec. 1, 1936. Class 21.
Treasure Imports, Inc., New York, N. Y. Pearls. 343,021; Feb. 9; Serial No. 378,865; published Nov. 24, 1936. Class 28.
Tungsten Contact Manufacturing Co., Inc., North Bergen, N. J. Condensers, distributor caps and rotors, breaker arms, etc. 343,207; Feb. 9. Class 21.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 343,205; Feb. 9; Serial No. 384,226; published Dec. 1, 1936. Class 43.
United Drug Company. (See Gurley Candy Company, assignor.)
United Drug Company, assignor to United Drug Company, Boston, Mass. Candy. 115,122; renewed Jan. 23, 1937.
United States Metal Cap & Seal Company, by change of name to Upressit Metal Cap Corporation, New York, N. Y. Closure-tops for bottles, jars, and the like. 115,041; renewed Jan. 16, 1937.
Upjohn Company, The, Kalamazoo, Mich. Concentrated cod liver oil. 342,997; Feb. 9; Serial No. 369,753; published Nov. 24, 1936. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 343,104–5; Feb. 9; Serial Nos. 382,968–9; published Nov. 10, 1936. Class 6.
Upressit Metal Cap Corporation. (See United States Metal Cap & Seal Corporation.)
Vandam, Albert H., Co., Inc., New York, N. Y. Piece goods. 343,174–5; Feb. 9; Serial Nos. 383,964–5; published Dec. 1, 1936. Class 42.
Vanis Company, The. (See Van Korn, Ben K.)
Van Korn, Ben K., doing business as The Vanis Company, Philadelphia, Pa. Astringents, astringent cerates, beauty creams, etc. 343,114; Feb. 9; Serial No. 383,151; published Nov. 10, 1936. Class 6.
Vieta y Plasencia, Habana, Cuba. Vermifuges for human use. 342,996; Feb. 9; Serial No. 368,907; published Dec. 24, 1935. Class 6.
Virginia Smelting Company, West Norfolk, Va. Sodium dichromate, sulphur dioxide reduced tanning compound. 343,082; Feb. 9; Serial No. 382,538; published Nov. 17, 1936. Class 6.
Wehle Brewing Company, The, West Haven, Conn. Ale. 343,202; Feb. 9; Serial No. 384,173; published Dec. 1, 1936. Class 48.
Wenger, Edward, doing business as Ed Wenger, Monroe, Wis. Preparation for acute indigestion, etc. 343,121; Feb. 9; Serial No. 383,278; published Dec. 1, 1936. Class 6.
Westinghouse Lamp Company, Bloomfield, N. J., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Vacuum or gas-filled tubes for ultra-violet lamps. 343,100; Feb. 9; Serial No. 382,897; published Dec. 1, 1936. Class 44.
Westphal, Paul, Inc., New York, N. Y. Hair tonic and hair dressing. 343,142; Feb. 9; Serial No. 383,609; published Dec. 1, 1936. Class 6.
Wilcox, Crittenden & Co., Inc., Middletown, Conn. Vehicles, not including engines. 116,263; renewed Apr. 17, 1937.
Wilcox-Rich Corporation, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Mechanical parts for use in connection with valve operated mechanism of internal combustion engines. 343,058; Feb. 9; Serial No. 381,926; published Nov. 24, 1936. Class 23.
Wilmont Co., The. (See Wilson, Clarence A.)
Wilson, Clarence A., doing business as The Wilmont Co., New York, N. Y. Veterinary preparation. 343,095–96; Feb. 9; Serial Nos. 382,849–50; published Nov. 10, 1936. Class 6.
Worthington Ball Company, The, Elyria, Ohio. Golfballs. 116,264; renewed Apr. 17, 1937.
Wortman Roller Company, Cincinnati, Ohio. Printers' rollers. 343,038; Feb. 9; Serial No. 381,304; published Dec. 1, 1936. Class 23.
Wrap-Ade Machine Company, Newark, N. J. Machinery for handling packaging material and for producing and fabricating packages and wrappings. 343,010; Feb. 9; Serial No. 376,786; published Nov. 24, 1936. Class 23.
Yahr-Lange Inc. (See Rather, Oscar A., assignor.)
Zanol Products Company, The. (See Mihalovitch Brothers Company, The, assignor.)
Zeiss, Carl, Jena, Germany. Photographic, microphotographic, projecting and microscope objectives. 343,030; Feb. 9; Serial No. 381,014; published Nov. 24, 1936. Class 26.
Zeiss, Carl, Jena, Germany. Photographic, microphotographic, projecting, and microscope objectives. 343,122; Feb. 9; Serial No. 343,280; published Nov. 24, 1936. Class 26.
Zephyr Company, Minneapolis, Minn. Electrically operated vacuum cleaners. 343,076; Feb. 9; Serial No. 382,406; published Dec. 1, 1936. Class 21.

LIST OF REGISTRANTS OF LABELS

Ace Manufacturing Company, Chicago, Ill. Ace Rich Lather Shaving Cream. For Shaving Cream. 48,891; Feb. 9.
Ada Milling Co., Ada, Okla. Ada Milling Co. Flour (Red and White Checkered Pattern). For Flour. 48,892; Feb. 9.
Ada Milling Co., Ada, Okla. Ada Milling Co. Flour (Tan, Brown, Orange, Green and White Plaid). For Flour. 48,893; Feb. 9.
Ada Milling Co., Ada, Okla. Ada Milling Co. Flour (Red, White, and Blue Basket Weave Pattern). For Flour. 48,894; Feb. 9.
Ada Milling Co., Ada, Okla. Ada Milling Co. Flour (Lavender, Purple, Yellow, White and Green Plaid). For flour. 48,895; Feb. 9.
Ada Milling Co., Ada, Okla. Ada Milling Co. Corn Meal (Small Red and Grey Flowers on White Background). For Corn Meal. 48,896; Feb. 9.
Ada Milling Co., Ada, Okla. Ada Milling Co. Corn Meal (Small Yellow and Lavender Flowers on White Background). For Corn Meal. 48,897; Feb. 9.
Ada Milling Co., Ada, Okla. Ada Milling Co. Corn Meal (Maroon, Blue and Yellow Plaid on White Background). For Corn Meal. 48,898; Feb. 9.
American Grease Stick Co. (See Rosen, Florence.)
Archer, P. D., Kansas City, Mo. Rainbo Is Good Bread. For Bread. 48,961; Feb. 9.
Arrow Chemical Co., Elizabeth, N. J. Shur-Shot. For an Insecticide. 48,899; Feb. 9.
Baldwin Laboratories, Inc., Saegertown, Pa. Dwin Household Insect Killer. For a Liquid Preparation for Killing Insects. 48,900; Feb. 9.
Bradley, Milton, Company, Springfield, Mass. 3 Men on a Horse—A Sparkling Game of Chance for Everybody. For a Game. 48,901; Feb. 9.

Bradley, Milton, Company, Springfield, Mass. The Long Green—A Big Money Game of Chance. For a Game. 48,902; Feb. 9.

Broussard, Clovise, Abbeville, La. Mamou Mentholatum Cough Syrup. For Cough Syrup. 48,903; Feb. 9.

Caiazzo, Ralph, doing business as Caiazzo Cigar Co., New York, N. Y. Sigari Rex. For Cigars. 48,904; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Stylo. For Shoes. 48,905; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The Cardinal Shoe. For Shoes. 48,906; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Fut-Fitter Health Shoes. For Shoes. 48,907; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Sport-Craft—Shoes Supreme. For Shoes. 48,908; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Hine & Lynch Fine Shoes for Men. For Shoes. 48,909; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The Rhino Shoe. For Shoes. 48,910; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Master Made Spring Arch. For Shoes. 48,911; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Pioneer Heavy Duty Shoe. For Shoes. 48,912; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Sun-Ez Sandals. For Sandals. 48,913; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Overglobe Shoe. For Shoes. 48,914; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Hunny Girl. For Shoes. 48,915; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Glenmore Shoes. For Shoes. 48,916; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The Tourist Shoe. For Shoes. 48,917; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Society Debs. For Shoes. 48,918; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Schnitz Smart Shoes. For Shoes. 48,919; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Rest-O Slippers. For Slippers. 48,920; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Manhattan-Goodyear Welt Shoes. For Shoes. 48,921; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Ground-Gainer Shoe. For Shoes. 48,922; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Virginia Sterling. For Shoes. 48,923; Feb. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. All-Sports Shoes. For Shoes. 48,924; Feb. 9.

Du Bois Brewing Co., Du Bois, Pa. Old German. For Wurzburger Type Beer. 48,925; Feb. 9.

Feigenson Brothers Company, Detroit, Mich. Faygo. For Root Beer. 48,926; Feb. 9.

Forest City Brewery, Inc., Cleveland, Ohio. Waldorf Lager Beer. For Lager Beer. 48,927; Feb. 9.

Forest City Brewery, Inc., Cleveland, Ohio. Waldorf Pilsner. For Pilsner Beer. 48,928; Feb. 9.

Forest City Brewery, Inc., Cleveland, Ohio. Waldorf Half & Half. For Half-and-Half. 48,929; Feb. 9.

Gallatin Brewing Co., Bozeman, Mont. Old Faithful Pale Beer. For Beer. 48,930; Feb. 9.

Glover, H. Clay, Co., Inc., New York, N. Y. Glover's Imperial Double Action Capsules. For Capsules for Round Worms and Hook Worms in Puppies, Dogs, Cats and Foxes. 48,931; Feb. 9.

Green Gypsy Products, Minneapolis, Minn. Green Gypsy. For Bird Seed. 48,932; Feb. 9.

Hair Net Packers, Inc., New York, N. Y. Betty Bob. For Bob Pins. 48,933; Feb. 9.

House of Westmore, The, Los Angeles, Calif. The House of Westmore. For Make-Up Remover. 48,960; Feb. 9.

Jackson Brewing Co., New Orleans, La. Jax—For Friendly Stimulation. For Beer. 48,934; Feb. 9.

L. B. Laboratories, Inc., Los Angeles, Calif. L. B. Hair-in-Place. For Hair Dressing. 48,935; Feb. 9.

Le Vine, N., Chicago, Ill. Whiteeth. For Tooth Paste. 48,936; Feb. 9.

Le Vine, N., Chicago, Ill. Whiteeth. For Chewing Gum. 48,937; Feb. 9.

Margulis & Company, Philadelphia, Pa. Young's Masterpiece. For Straight Rye Whiskey. 48,938; Feb. 9.

Markwell Manufacturing Company, Inc., New York, N. Y. Markwell RF Staples. For Staples. 48,939; Feb. 9.

Mathews, W. S., & Sons, Inc., Paducah, Ky. Star Dust. For Scotch Snuff. 48,940; Feb. 9.

Maxcy, Gregg, Inc., Sebring Fla. Sunsip. For Blended Orange and Grapefruit Juice. 48,941; Feb. 9.

McCormick & Co., Inc., Baltimore, Md. Banquet (McCormick's) No. 25 Orange Pekoe Tea Bags. For Individual Tea Bags. 48,942; Feb. 9.

Mechling Brothers Chemical Company, Camden, N. J. Mechling's Sulrote. For an Insecticide and Fungicide. 48,943; Feb. 9.

Menasha Products Company, Menasha, Wis. Fort Brand. For Containers for Cottage Cheese. 48,944; Feb. 9.

Mosby Medicine Co., Inc., Cincinnati, Ohio. Mosby's. For Laxative and Acid Indigestion Tablets. 48,945; Feb. 9.

National Brewing Company, The, Baltimore, Md. National Premium Pale Dry Beer. For Beer. 48,946; Feb. 9.

Oberly & Newell Lithograph Corp., New York, N. Y. Mary Jane. For Underwear. 48,947; Feb. 9.

Pollock Paper & Box Company, Dallas, Tex. Flowers. For Bread. 48,948; Feb. 9.

Puro Co., Inc., The, St. Louis, Mo. Puro Perfumed Bath Crystals and Water Softener. For Bath Crystals. 48,949; Feb. 9.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Renault French 75. For Fortified Sparkling Wine. 48,950; Feb. 9.

Rosen, Florence, doing business as American Grease Stick Co., Muskegon Heights, Mich. Door-Ease Stainless Stick Lubricant. For Stick Lubricants. 48,951; Feb. 9.

S & S Laboratories, St. Louis, Mo. —Smiles— The "Happy" Brushless Shaving Cream. For Brushless Shaving Cream. 48,952; Feb. 9.

Sackner, W. E., Grand Rapids, Mich. Standard Fleece Twine. For Fleece Twine. 48,953; Feb. 9.

Taylor, James E., Oakley, Calif. Sandacres Selected Eggs. For Selected Eggs. 48,954; Feb. 9.

Technical Appliance Corporation, New York, N. Y. Taco Self-Selecting Antenna System. For Antenna Systems. 48,955; Feb. 9.

Vaughan, E. A., Co., Incorporated, St. Paul, Minn. Heal A Chap. For a Healing Lotion. 48,956; Feb. 9.

Vimpep Foods, Inc., Cambridge, Md. My Dog. For Dog Food. 48,957; Feb. 9.

Vitamite Co., The, Brooklyn, N. Y. Vitamite. For a Preparation for Making a Chocolate Flavored Food Beverage. 48,958; Feb. 9.

Ward Chemical & Mfg. Company, Inc., New York, N. Y. Mulsite Cleaner. For cleaning Compound. 48,959; Feb. 9.

LIST OF REGISTRANTS OF PRINTS

General Mills, Inc., Minneapolis, Minn. Husbands Shout for Joy as Old-Time Hot Biscuits Come Back! For Biscuit Flour. 16,068; Feb. 9.

Germ-Proof Film Paint Co. (Division of Camel Lead, Color & Chemical Products Mfg. Corp.), Brooklyn, N. Y. Germ-Proof Film Paints and Enamels. For Germ-Proof Film Paints and Enamels. 16,069; Feb. 9.

Jackson, Eugene, Thonotosassa, Fla. Zephyr Mouth Wash. For a Mouth Wash. 16,070; Feb. 9.

Kurfees, J. F., Paint Co., Incorporated, Louisville, Ky. Kurfees Color Selector. For Paint. 16,071; Feb. 9.

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. "Ask Your Neighbor"—(Green Background). For Reading Anthracite. 16,072; Feb. 9.

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. "Ask Your Neighbor"—Yellow Background. For Reading Anthracite. 16,073; Feb. 9.

Planters Nut & Chocolate Company, Wilkes-Barre, Pa., and Suffolk, Va. Planters Peanut Jumbo Block. For Candy. 16,074; Feb. 9.

Stereo-Album Company, Chambersburg, Pa. Little Journeys to Many Lands—A Little Journey. For Albums. 16,075; Feb. 9.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Frogs, Live. R. W. Mabie. 343,217; Feb. 9.

Fuller's earth, Neutral activated. W. S. Baylis. 343,163; Feb. 9; Serial No. 383,911; published Nov. 24, 1936.

Hair used in making nets, Human. Glemby Company. 343,115; Feb. 9; Serial No. 383,167; published Nov. 24, 1936.

Leather. Charles King Co. 343,212; Feb. 9.

Prolamin material derived from corn gluten. American Maize-Products Company. 343,201; Feb. 9; Serial No. 384,152; published Nov. 24, 1936.

Talc, Tremolitic. W. H. Loomis Talc Corporation. 343,159; Feb. 9; Serial No. 383,888; published Dec. 1, 1936.

CLASS 3

Hardware and accessories for harness and saddlery. North & Judd Manufacturing Company. 343,194; Feb. 9; Serial No. 384,095; published Dec. 1, 1936.

Kits, Toilet. J. Huntley. 343,059; Feb. 9; Serial No. 381,943; published Dec. 1, 1936.

Suitcases, luggage carriers, and wardrobe hand luggage. Hartmann Trunk Company. 343,180; Feb. 9; Serial No. 384,124; published Dec. 1, 1936.

CLASS 4

Soap. Lever Bros. 14,441; re-renewed May 24, 1937.

Soap-powder. Curtis Davis & Co. 14,364; re-renewed May 10, 1937.

Soap, White castile. Stallman & Fulton. 14,118; re-renewed Mar. 1, 1937.

CLASS 6

Alum powder, anise seed, baby powder, etc. M. Heller. 343,008; Feb. 9; Serial No. 376,243; published Nov. 17, 1936.

Antiseptic, Vaginal. Lehn & Fink Products Corporation. 343,141; Feb. 9; Serial No. 383,581; published Dec. 1, 1936.

Astringents, astringent cerates, beauty creams, etc. B. K. Van Korn. 343,114; Feb. 9; Serial No. 383,151; published Nov. 10, 1936.

Astringents, astringent cerates, bleach creams, etc. Parfums Lengyel, Ltd. 343,116; Feb. 9; Serial No. 383,178; published Nov. 10, 1936.

Bleach preparations, and water softener preparations, Laundry. W. S. Dietrich. 343,016; Feb. 9; Serial No. 378,186; published Dec. 1, 1936.

Brilliantine, hair tonic, talcum powder, etc. H. Aaron. 343,214; Feb. 9.

Cake or wafer for use as an internal lubricant, Baked medicated. Bye Company. 343,005; Feb. 9; Serial No. 374,963; published Nov. 17, 1936.

Chemical compound for the elimination and removal of rust and corrosion. Metropolitan Refining Company. 342,993; Feb. 9; Serial No. 361,758; published Apr. 30, 1935.

Chemical compounds used for plant growth stimulation. Merck & Co. Inc. 343,128; Feb. 9; Serial No. 383,341; published Nov. 24, 1936.

Chemicals and pharmaceutical preparations. Mihalovitch Brothers Company. 117,277; renewed June 26, 1937.

Chemicals made into a compound for use in fuel oils, Combination of. Fuelite Oil Treating Corporation. 343,034; Feb. 9; Serial No. 381,105; published Nov. 17, 1936.

Cod liver oil, Concentrated. Upjohn Company. 342,997; Feb. 9; Serial No. 369,753; published Nov. 24, 1936.

Concentrates and chemicals. R. J. Prentiss & Co. 343,063; Feb. 9; Serial No. 382,072; published Nov. 17, 1936.

Cough-drops. O. A. Rather. 117,059; renewed June 12, 1937.

Denaturant for ethyl alcohol. Tennessee Eastman Corporation. 343,093; Feb. 9; Serial No. 382,814; published Nov. 10, 1936.

Dentifrices. A. M. Hogarth. 343,023; Feb. 9; Serial No. 380,058; published Nov. 17, 1936.

Dyes. Pharma-Chemical Corporation. 343,066; Feb. 9; Serial No. 382,167; published Dec. 1, 1936.

Eau de cologne, lavender water, hair washes, etc. Les Parfums Chypron Societe Anonyme. 343,139; Feb. 9; Serial No. 383,536; published Dec. 1, 1936.

Emmenagogue. S. M. Laboratories, Inc. 343,112; Feb. 9; Serial No. 383,141; published Nov. 10, 1936.

Hair tonic and hair dressing. Paul Westphal, Inc. 343,142; Feb. 9; Serial No. 383,609; published Dec. 1, 1936.

Incense. Eastern Trading Co. 343,177; Feb. 9; Serial No. 383,990; published Dec. 1, 1936.

Insecticides. G. Napoleon. 343,098; Feb. 9; Serial No. 382,881; published Nov. 10, 1936.

Lipstick, cold cream, cleansing cream, etc. McKesson & Robbins, Incorporated. 343,151; Feb. 9; Serial No. 383,776; published Dec. 1, 1936.

Lotion and skin ointment, Antiseptic nail. Northam Warren Corporation. 343,144; Feb. 9; Serial No. 383,684; published Dec. 1, 1936.

Medicinal preparation. E. Saxe. 343,171; Feb. 9; Serial No. 383,951; published Dec. 1, 1936.

Medicinal preparation. Upjohn Company. 343,104–5; Feb. 9; Serial Nos. 382,968–9; published Nov. 10, 1936.

Nail polish remover and thinner. Schnefel Bros. Corporation. 343,071; Feb. 9; Serial No. 382,323; published Nov. 17, 1936.

Ointment. G. F. Masengarb. 343,154; Feb. 9; Serial No. 383,813; published Dec. 1, 1936.

Ointment, Burn. S. Markham. 343,197; Feb. 9; Serial No. 384,384; published Nov. 24, 1936.

Pharmaceutical preparation. Longwood Pharmacy, Inc. 343,057; Feb. 9; Serial No. 381,899; published Nov. 17, 1936.

Pharmaceutical products. M. de Zalewski. 343,074; Feb. 9; Serial No. 382,347; published Nov. 17, 1936.

Phosphate of soda mixed with sufficient corn starch to reduce to the strength of cream of tartar, Powdered. Joe Lowe Corporation. 343,186; Feb. 9; Serial No. 384,003; published Dec. 1, 1936.

Plasticizers for acetyl cellulose. I. G. Farbenindustrie Aktiengesellschaft. 342,995; Feb. 9; Serial No. 368,035; published Oct. 8, 1935.

Poisons, Rodent and vermin. G. T. Athelstan. 343,054; Feb. 9; Serial No. 381,833; published Nov. 17, 1936.

Preparation containing vitamins A, D, and E. Royal Manufacturing Co. of Duquesne. 343,006; Feb. 9; Serial No. 375,902; published Oct. 20, 1936.

Preparation for acute indigestion, etc. E. Wenger. 343,121; Feb. 9; Serial No. 383,278; published Dec. 1, 1936.

Preparation for common colds. T. W. Bush. 343,003; Feb. 9; Serial No. 374,549; published Nov. 17, 1936.

Preparation for corn and callous removing and bunion treating. R. Newman. 343,050; Feb. 9; Serial No. 381,723; published Nov. 17, 1936.

Preparation for deodorizing and treating athlete's foot. Sweet Feet, Incorporated. 343,025; Feb. 9; Serial No. 380,466; published Nov. 17, 1936.

Preparation for rheumatism, lumbago, etc. Ruma-Ban Laboratories, Inc. 343,062; Feb. 9; Serial No. 382,005; published Nov. 17, 1936.

Preparation for the treatment of skin infections. Sanifoot Company. 343,045; Feb. 9; Serial No. 381,467; published Dec. 1, 1936.

Preparation for the treatment of the feet. Seebasco Laboratories, Inc. 343,049; Feb. 9; Serial No. 381,693; published Nov. 17, 1936.

Preparation intended for the treatment of hepatobiliary and digestive disturbances. Sandoz Chemical Works, Inc. 343,196; Feb. 9; Serial No. 384,100; published Dec. 1, 1936.

Preparation to kill rats and mice. J. J. Laub. 343,056; Feb. 9; Serial No. 381,896; published Nov. 10, 1936.

Preparation used in the treatment of cancer, tuberculosis, etc. W. F. Koch. 343,092; Feb. 9; Serial No. 382,790; published Nov. 10, 1936.

Preparations used as an effective blood builder in hypochromic forms of anemia and as a hematinic and general reconstructive tonic. Rare Chemicals, Inc. 343,055; Feb. 9; Serial No. 381,877; published Nov. 17, 1936.

Preparations used in and for the treatment of asthma, hay fever, etc. Knox Company. 343,133; Feb. 9; Serial No. 383,395; published Nov. 24, 1936.

Preparations used in and for the treatment of disorders and functional irritations of the stomach, intestines, etc. Knox Company. 343,132; Feb. 9; Serial No. 383,394; published Nov. 24, 1936.

Preparations used in and for the treatment of ringworm, fungus conditions of the skin and feet, etc. Knox Company. 343,134; Feb. 9; Serial No. 383,396; published Nov. 24, 1936.

Salt, Pickling. H. Deutinger. 343,060; Feb. 9; Serial No. 381,971; published Nov. 17, 1936.

Scalp preparation. F. J. Hallauer. 343,079; Feb. 9; Serial No. 382,472; published Nov. 17, 1936.

Sedative and hypnotic preparations. Nutri-Brom Pharmacal Co. 343,048; Feb. 9; Serial No. 381,685; published Nov. 17, 1936.

Sodium dichromate, sulphur dioxide reduced tanning compound. Virginia Smelting Company. 343,082; Feb. 9; Serial No. 382,538; published Nov. 17, 1936.

Sodium pyrophosphates and sodium pyrophosphate mixtures. Monsanto Chemical Company. 343,064; Feb. 9; Serial No. 382,098; published Dec. 1, 1936.

Solvents having general use in the industrial arts. Commercial Solvents Corporation. 343,022; Feb. 9; Serial No. 378,936; published Nov. 17, 1936.

Starch lubricant. Carman & Co. 343,043; Feb. 9; Serial No. 381,401; published Nov. 17, 1936.

Sterile non-pyrogenic solutions for intravenous use. National Drug Company. 343,002; Feb. 9; Serial No. 371,735; published Nov. 17, 1936.

Suntan oil, Sun-proof cream, bronze liquid lotion for face and body. Elizabeth Arden, Inc. 342,994; Feb. 9; Serial No. 367,984; published Nov. 17, 1936.

Toilet preparation. Tokalon Chemical Corporation. 343,117; Feb. 9; Serial No. 383,189; published Nov. 10, 1936.

Tonic preparation. Mrs. J. S. Robinson. 343,099; Feb. 9; Serial No. 382,888; published Nov. 10, 1936.

Tooth paste. Sheffield Company. 343,077; Feb. 9; Serial No. 382,450; published Nov. 17, 1936.

Vermifuges for human use. Vieta y Plasencia. 342,996; Feb. 9; Serial No. 368,907; published Dec. 24, 1935.

Veterinary preparation. C. A. Wilson. 343,095–6; Feb. 9; Serial Nos. 382,849–50; published Nov. 10, 1936.

Yeast tablets. National Institute of Nutrition. 343,165; Feb. 9; Serial No. 383,935; published Dec. 1, 1936.

CLASSES 6 AND 16

Liquids, Preservative. Avenarius Brothers. 14,048; re-renewed Feb. 8, 1937.

CLASS 8

Pipes, Blended briar smoking. Comolite Corporation. 343,041; Feb. 9; Serial No. 381,393; published Dec. 1, 1936.

CLASS 10

Fertilizers and soil improvers. Hyper-Humus Company. 343,027; Feb. 9; Serial No. 380,514; published Dec. 1, 1936.

CLASS 13

Faucets, Beer. Cornelius Company. 343,107; Feb. 9; Serial No. 383,007; published Dec. 1, 1936.

Valve device used for bleeding hydraulic brakes of vehicles. Solo Automotive Engineering Co. 343,028; Feb. 9; Serial No. 380,888; published Dec. 1, 1936.

Valves for steam heating systems, Air. Dole Valve Company. 342,999; Feb. 9; Serial No. 370,295; published Dec. 1, 1936.

Wire screen-cloth. Reynolds Wire Co. 116,858; renewed May 29, 1937.

CLASS 16

Varnish. Floor-Shine Manufacturing Company. 114,451; renewed Dec. 19, 1936.

CLASS 17

Cigars. Jno. H. Swisher & Son, Inc. 343,162; Feb. 9; Serial No. 383,902; published Nov. 24, 1936.
Tobacco, Smoking. Kraemer's Stores, Inc. 343,083; Feb. 9; Serial No. 382,559; published Nov. 24, 1936.

CLASS 19

Covers for automobile cushions, seats, and seat backs. S. E. Hyman Company. 343,102–3; Feb. 9; Serial Nos. 382,953–4; published Dec. 1, 1936.
Vehicle wheel balancing weights. Food Machinery Corporation. 343,138; Feb. 9; Serial No. 383,521; published Dec. 1, 1936.
Vehicles, not including engines. Wilcox, Crittenden & Co. 116,263; renewed Apr. 17, 1937.
Wheels, Car. Southern Wheel Company. 343,135; Feb. 9; Serial No. 383,409; published Dec. 1, 1936.
Wind deflectors for motor vehicles, splash guards, fender guides, etc. Casco Products Corporation. 343,221; Feb. 9.

CLASS 21

Amplifiers, microphones, loud speakers, etc., Audio and electric. Bell Sound Systems Inc. 343,020; Feb. 9; Serial No. 378,819; published Nov. 24, 1936.
Batteries, Storage. Red-Bar Battery Company. 343,195; Feb. 9; Serial No. 384,098; published Dec. 1, 1936.
Condensers, distributor caps and rotors, breaker arms, etc. Tungsten Contact Manufacturing Co. 343,207; Feb. 9.
Conduits for electrical purposes, Fiber. Brown Company. 343,000; Feb. 9; Serial No. 370,938; published Dec. 1, 1936.
Electric flashers. Roan Mfg. Co. 343,206; Feb. 9; Serial No. 363,478; published Aug. 11, 1936.
Electric hot plates. Sears, Roebuck and Co. 343,069; Feb. 9; Serial No. 382,291; published Nov. 24, 1936.
Electric lighting outfits and lamps therefor, Decorative. Raylite Trading Co. 343,157; Feb. 9; Serial No. 383,853; published Nov. 24, 1936.
Electrical apparatus, machines, and supplies. Manhattan Electrical Supply Company. 114,900; renewed Jan. 9, 1937.
Electrically operated sign boards. Naco Amusement Co. 343,126; Feb. 9; Serial No. 383,319; published Dec. 1, 1936.
Electrically operated vacuum cleaners. Zephyr Company. 343,076; Feb. 9; Serial No. 382,406; published Dec. 1, 1936.
Fuses, fuse bases, and adapters of the type. McGraw Electric Company. 343,200; Feb. 9; Serial No. 384,149; published Dec. 1, 1936.
Radio receiving sets, television receiving sets, kits for radio receiving sets, etc. RCA Manufacturing Company. 343,158; Feb. 9; Serial No. 383,854; published Nov. 24, 1936.
Sound detecting and reproducing equipment. Transducer Corporation. 343,094; Feb. 9; Serial No. 382,846; published Dec. 1, 1936.
Telephonic electrical annunciators and call systems and the like, etc. L. W. Thomsen. 343,113; Feb. 9; Serial No. 383,146; published Dec. 1, 1936.
Wires and cables, Insulated. Okonite Company. 343,166; Feb. 9; Serial No. 383,937; published Nov. 24, 1936.

CLASS 22

Balls, Golf. Worthington Ball Company. 116,264; renewed Apr. 17, 1937.

CLASS 23

Choppers, Food. Toledo Scale Company. 343,140; Feb. 9; Serial No. 383,552; published Nov. 24, 1936.
Cutlery. Kraut & Dohnal. 343,018; Feb. 9; Serial No. 378,439; published Nov. 24, 1936.
Cutlery. Kraut & Dohnal. 343,019; Feb. 9; Serial No. 378,729; published Nov. 24, 1936.
Engines and parts thereof and variable gearings, Internal combustion. Rolls-Royce Limited. 343,053; Feb. 9; Serial No. 381,817; published Nov. 24, 1936.
Machinery for handling packaging material and for producing and fabricating packages and wrappings. Wrap-Ade Machine Company. 343,010; Feb. 9; Serial No. 376,786; published Nov. 24, 1936.
Mechanical parts for use in connection with the valve operated mechanism of internal combustion engines. Wilcox-Rich Corporation. 343,058; Feb. 9; Serial No. 381,926; published Nov. 24, 1936.
Mufflers and exhaust and tail pipes, Automotive. Pratt Industries, Inc. 343,070; Feb. 9; Serial No. 382,320; published Dec. 1, 1936.
Printers' rollers. Wortman Roller Company. 343,038; Feb. 9; Serial No. 381,304; published Dec. 1, 1936.
Printing machines and parts thereof, duplicating machines and parts thereof, etc. Addressograph-Multigraph Corporation. 343,106; Feb. 9; Serial No. 382,998; published Nov. 24, 1936.
Sharpeners, Mechanical razor blade. Maximax Incorporated. 343,047; Feb. 9; Serial No. 381,680; published Nov. 24, 1936.
Steamer, washer, and sterilizer for cream cans, Combination. H. A. Clark. 343,129; Feb. 9; Serial No. 383,347; published Dec. 1, 1936.
Sweepers, Carpet. Bissell Carpet Sweeper Company. 343,015; Feb. 9; Serial No. 377,831; published Nov. 24, 1936.
Tire slotting or retreading machinery, Rubber. Bendix Products Corporation. 343,007; Feb. 9; Serial No. 376,238; published Nov. 24, 1936.
Tools, Hand operated. Miller Manufacturing Co. 343,119; Feb. 9; Serial No. 383,216; published Dec. 1, 1936.
Tractors, stationary engines, threshers, etc. Oliver Farm Equipment Company. 343,061; Feb. 9; Serial No. 381,999; published Nov. 24, 1936.
Vacuum cleaners. W. C. Reed. 343,155; Feb. 9; Serial No. 383,817; published Nov. 24, 1936.

CLASS 26

Electrical equipment. Luxtrol Company. 343,017; Feb. 9; Serial No. 378,367; published Nov. 24, 1936.
Gages and micrometers. Greenfield Tap and Die Corporation. 114,882; renewed Jan. 9, 1937.
Measuring and indicating instruments. Deutsche Benzinuhren G. m. b. H. 343,037; Feb. 9; Serial No. 381,264; published Nov. 24, 1936.
Objectives, Photographic, microphotographic, projecting, and microscope. C. Zeiss. 343,122; Feb. 9; Serial No. 383,280; published Nov. 24, 1936.
Objectives, Photographic, microphotographic, projecting, and microscope. C. Zeiss. 343,030; Feb. 9; Serial No. 381,014; published Nov. 24, 1936.
Patterns, Needlework. Mayfair Needlework Pattern Company. 343,084; Feb. 9; Serial No. 382,564; published Dec. 1, 1936.
Photographic cameras, photographic printing machines, and projectors. International Radio Corporation. 343,011; Feb. 9, Serial No. 377,115; published Dec. 1, 1936.
Photographic dry plates, photographic films, and prepared paper for photographic purposes. Ilford, Limited. 116,138–9; renewed Apr. 10, 1937.
Pumps, Self-measuring gasoline. Tokheim Oil Tank & Pump Co. 343,108; Feb. 9; Serial No. 383,040; published Dec. 1, 1936.
Thermometers, hydrometers, and laboratory glassware. Rascher & Betzold. 342,991; Feb. 9; Serial No. 354,137; published Nov. 24, 1936.
Time recording systems, Workmen's. Stromberg Electric Company. 343,216; Feb. 9.

CLASS 27

Watchcases and watch-movements. I. Ollendorff Co. 116,972–3; renewed June 5, 1937.

CLASS 28

Jewelry for personal wear. L. Bojar. 343,001; Feb. 9; Serial No. 371,725; published Jan. 7, 1936.
Pearls. Treasure Imports, Inc. 343,021; Feb. 9; Serial No. 378,865; published Nov. 24, 1936.

CLASS 32

Blinds, Venetian. Kirsch Company. 343,044; Feb. 9; Serial No. 381,460; published Nov. 24, 1936.
Buffets, dining tables, serving tables, etc. Tomlinson of High Point. 343,120; Feb. 9; Serial No. 383,238; published Dec. 1, 1936.
Furniture. Bullock's, Inc. 343,208–9; Feb. 9.
Furniture, Funeral. J. C. Burns. 342,992; Feb. 9; Serial No. 355,293; published Dec. 1, 1936.

CLASS 33

Bottles for beer, Glass. Atlas Brewing Company. 343,051; Feb. 9; Serial No. 381,750; published Dec. 1, 1936.

CLASS 34

Lamps, Sanctuary. A. Gross Candle Co. Inc. 343,065; Feb. 9; Serial No. 382,155; published Dec. 8, 1936.
Machines for making carbureted gas. S. H. G. Incorporated. 343,101; Feb. 9; Serial No. 382,931; published Dec. 1, 1936.

CLASS 35

Belting and hose, Rubber. Crandall Packing Company. 116,748; renewed May 22, 1937.
Cork packings for joints. Deutsche Benzinuhren G. m. b. H. 343,036; Feb. 9; Serial No. 381,262; published Nov. 24, 1936.
Piston rings for internal combustion engines. A. B. Chance Co. 343,111; Feb. 9; Serial No. 383,119; published Dec. 1, 1936.

CLASS 37

Paper, bond paper, ledger paper, etc., Book. Noble Paper Company. 343,160; Feb. 9; Serial No. 383,895; published Dec. 1, 1936.
Paper, Crepe. Dennison Manufacturing Company. 343,073; Feb. 9; Serial No. 382,346; published Nov. 24, 1936.
Paper, Writing and typewriting. Goldsmith Bros. 343,188; Feb. 9; Serial No. 384,035; published Nov. 24, 1936.

Pencils and mechanical pencils, Wood cased lead. National Pencil Company. 343,046; Feb. 9; Serial No. 381,536; published Dec. 1, 1936.
Pencils, crayons, pencil leads, etc. Lead. Eagle Pencil Company. 343,187; Feb. 9; Serial No. 384,031; published Dec. 1, 1936.
Pencils, Wood cased and mechanical. Sanders Manufacturing Company. 343,067; Feb. 9; Serial No. 382,180; published Nov. 24, 1936.
Sheets used in the preparation of stencils, Cushion. A. B. Dick Company. 343,176; Feb. 9; Serial No. 383,989; published Dec. 1, 1936.
Tissues, Cleansing. Kroger Grocery & Baking Company. 343,193; Feb. 9; Serial No. 384,086; published Nov. 24, 1936.
Tissues, Facial. Federated Mills, Inc. 343,124; Feb. 9; Serial No. 383,300; published Dec. 1, 1936.
Wall paper. Becker, Smith & Page, Incorporated. 343,164; Feb. 9; Serial No. 383,912; published Nov. 24, 1936.

CLASS 39

Apparel, Service. Rocky Mountain Garment Manufacturing Co. 343,085; Feb. 9; Serial No. 382,571; published Nov. 24, 1936.
Belts and suspenders. Hickok Manufacturing Company. 343,218; Feb. 9.
Boots and shoes, Leather. F. M. Hoyt Shoe Company. 114,887; renewed Jan. 9, 1937.
Boots, shoes, and slippers. Irving Drew Company. 343,087; Feb. 9; Serial No. 382,622; published Nov. 24, 1936.
Dresses, suits, and hats. N. C. Eliason. 343,224; Feb. 9.
Gloves, Leather. Daniel Hays Company. 343,131; Feb. 9; Serial No. 383,392; published Nov. 24, 1936.
Hats. Wm. Knowlton & Sons Company. 343,091; Feb. 9; Serial No. 382,798; published Nov. 24, 1936.
Hats, coats, dresses, etc., Women's and misses'. National Department Stores Management & Buying Corporation. 343,127; Feb. 9; Serial No. 383,320; published Nov. 24, 1936.
Hats, Felt. George McLachlan Hat Company. 343,089; Feb. 9; Serial No. 382,633; published Nov. 24, 1936.
Hats, Ladies'. Leighton Hat Co. Inc. 343,013; Feb. 9; Serial No. 377,638; published Nov. 24, 1936.
Hats, Soft. E. A. Mallory and Sons, Incorporated. 114,646; renewed Dec. 26, 1936.
Hats, Women's. John B. Stetson Company. 343,110; Feb. 9; Serial No. 383,108; published Nov. 24, 1936.
Hosiery. Thomas H. Brown Hosiery Co. 343,109; Feb. 9; Serial No. 383,084; published Nov. 17, 1936.
Hosiery, dresses, gloves, etc. Sears, Roebuck and Co. 343,068; Feb. 9; Serial No. 382,288; published Nov. 24, 1936.
Hosiery, Women's. Artcraft Silk Hosiery Mills, Inc. 343,009; Feb. 9; Serial No. 376,565; published Nov. 17, 1936.
Muffler and glove ensemble, Ladies'. Bennett-Lang Corporation. 343,078; Feb. 9; Serial No. 382,462; published Nov. 24, 1936.
Neckwear. Frank & Meyer Neckwear Company. 343,222; Feb. 9.
Shirts. Elder Manufacturing Company. 116,891; renewed June 5, 1937.
Shoes. Florsheim Shoe Company. 343,153; Feb. 9; Serial No. 383,805; published Nov. 24, 1936.
Shoes. A. Freedman & Sons, Inc. 343,029; Feb. 9; Serial No. 380,988; published Nov. 24, 1936.
Shoes. Tober-Saifer Shoe Company. 343,081; Feb. 9; Serial No. 382,537; published Nov. 24, 1936.
Shoes, Leather. Goodyear Footwear Corporation. 343,143; Feb. 9; Serial No. 383,680; published Nov. 24, 1936.
Shoes, slippers, boots, etc. Murray M. Rosenberg, Inc. 343,075; Feb. 9; Serial No. 382,359; published Nov. 24, 1936.
Suits, top coats, and overcoats. Chas. Glanzrock & Co. 343,220; Feb. 9, 1937.

CLASS 40

Buttons, buckles, clips, etc. Schwanda, Inc. 343,213; Feb. 9.

CLASS 42

Cotton piece goods. Arthur Beir & Co. 343,026; Feb. 9; Serial No. 380,469; published Dec. 1, 1936.
Diapers. Joy Products Corporation. 343,130; Feb. 9; Serial No. 383,358; published Dec. 1, 1936.
Fabrics in the piece. Fred Butterfield & Co. 343,190; Feb. 9; Serial No. 384,244; published Dec. 1, 1936.
Piece goods. Cluett, Peabody & Co. 343,178; Feb. 9; Serial No. 384,118; published Dec. 1, 1936.
Piece goods. Albert H. Vandam Co. 343,174–5; Feb. 9; Serial Nos. 383,904–5; published Dec. 1, 1936.
Pillow-tubing, sheeting, and cotton piece goods. Continental Mills. 116,601; renewed May 15, 1937.
Rugs, Textile. Sears, Roebuck and Co. 343,172; Feb. 9; Serial No. 383,954; published Dec. 1, 1936.
Sheets and pillow cases. Sears, Roebuck and Co. 343,161; Feb. 9; Serial No. 383,900; published Dec. 1, 1936.
Textile fabrics. Duplan Silk Corporation. 343,031; Feb. 9; Serial No. 381,027; published Dec. 1, 1936.
Textile fabrics. Pepperell Manufacturing Company. 343,189; Feb. 9; Serial No. 384,049; published Dec. 1, 1936.
Woolen and worsted fabrics. Terhune, Yearance & Wolff, Inc. 343,192; Feb. 9; Serial No. 384,055; published Dec. 1, 1936.
Woolen piece goods. Forstmann Woolen Co. 343,125; Feb. 9; Serial No. 383,304; published Dec. 1, 1936.

CLASS 43

Thread and yarn. American Bemberg Corporation. 343,097; Feb. 9; Serial No. 382,854; published Dec. 1, 1936.
Yarn. Porter (Philadelphia) Inc. 343,204; Feb. 9; Serial No. 384,218; published Dec. 1, 1936.
Yarns. Furida, Inc. 343,179; Feb. 9; Serial No. 384,122; published Dec. 1, 1936.
Yarns. G. E. Osborne. 343,181–2; Feb. 9; Serial Nos. 383,134–5; published Dec. 1, 1936.
Yarns. Schachenmayr, Mann & Co. 343,004; Feb. 9; Serial No. 374,855; published Nov. 24, 1936.
Yarns. Bernhard Ulmann Co. Inc. 343,205; Feb. 9; Serial No. 384,226; published Dec. 1, 1936.
Yarns, Carded and combed cotton. Mays Mills, Inc. 116,963; renewed June 5, 1937.

CLASS 44

Electro-medical and electro-surgical apparatus. Murley-Rolleston Corporation. 343,152; Feb. 9; Serial No. 383,778; published Dec. 1, 1936.
Oxygen breathing apparatus. Bishinger Koehler Manufacturing Company. 343,090; Feb. 9; Serial No. 382,747; published Dec. 1, 1936.
Vacuum or gas-filled tubes for ultra-violet lamps. Westinghouse Lamp Company. 343,100; Feb. 9; Serial No. 382,897; published Dec. 1, 1936.
Vaporizers of volatile materals. M. B. Parker. 343,039–40; Feb. 9; Serial Nos. 381,374–5; published Dec. 1, 1936.

CLASS 45

Beverages and syrups, extracts, and concentrates used in making the same. Citrus Juice & Flavor Co. Ltd. 343,191; Feb. 9; Serial No. 384,246; published Dec. 1, 1936.
Beverages and syrups for compounding the same. Seminole Flavor Company. 343,203; Feb. 9; Serial No. 384,184; published Dec. 1, 1936.

CLASS 46

Bread. Dry Fruit Products Corporation. 342,998; Feb. 9; Serial No. 370,177; published Dec. 1, 1936.
Candies, Chocolate. Gurley Candy Company. 114,751; renewed Jan. 2, 1937.
Candy. Mars Incorporated. 343,146; Feb. 9; Serial No. 383,744; published Dec. 1, 1936.
Candy. More Candy Company. 343,219; Feb. 9.
Candy. Schutter-Johnson Candy Corporation. 343,199; Feb. 9; Serial No. 384,138; published Dec. 1, 1936.
Candy. United Drug Company. 115,122; renewed Jan. 23, 1937.
Canned food for dogs, cats, and other carnivorous animals. Foster Canning Co. 343,185; Feb. 9; Serial No. 383,997; published Dec. 1, 1936.
Canned fruit cocktail, canned fruits, canned vegetables, etc. Cava Packing Company. 343,145; Feb. 9; Serial No. 383,720; published Dec. 1, 1936.
Canned olives. Albers Packing Company. 343,123; Feb. 9; Serial No. 383,290; published Dec. 1, 1936.
Canned tomatoes, canned tomato pulp, canned tomato juice. Caar Canning Company. 343,042; Feb. 9; Serial No. 381,400; published Dec. 1, 1936.
Cheese, canned vegetables, tomato paste. J. R. Tolibia. 343,149; Feb. 9; Serial No. 383,755; published Dec. 1, 1936.
Coffee. La Touraine Coffee Co. 343,024; Feb. 9; Serial No. 380,178; published Dec. 1, 1936.
Coffee. S. A. Schonbrunn & Co. Inc. 343,148; Feb. 9; Serial No. 383,752; published Dec. 1, 1936.
Egg, Frozen. H. J. Keith Company. 114,486; renewed Dec. 19, 1936.
Extracts for foods, Flavoring. Hudson Manufacturing Company. 113,978; renewed Nov. 14, 1936.
Extracts for foods, Flavoring. Hudson Manufacturing Company. 115,088; renewed Jan. 23, 1937.
Flour, Wheat. Seattle Grain Co. 117,065; renewed June 12, 1937.
Flour, wheat hearts, yellow corn meal, etc., Self rising pancake. Chadron Flour Mills. 343,118; Feb. 9; Serial No. 383,215; published Dec. 1, 1936.
Fruits, Fresh citrus. Santa Paula Orange Assn. 343,167–8; Feb. 9; Serial Nos. 383,946–7; published Dec. 1, 1936.
Fruits, Fresh citrus. Santa Paula Orange Assn. 343,169–70; Feb. 9; Serial Nos. 383,949–50; published Dec. 1, 1936.
Gelatin. Standard Brands Incorporated. 343,080; Feb. 9; Serial No. 382,492; published Dec. 1, 1936.
Maté. E. S. Brandt. 343,150; Feb. 9; Serial No. 383,766; published Dec. 1, 1936.
Mayonnaise. A. M. Parker. 343,012; Feb. 9; Serial No. 377,369; published Dec. 1, 1936.
Nuts, Salted. F. M. Hoyt. 114,355; renewed Dec. 12, 1936.
Olive oil. A. M. Coupe. 343,072; Feb. 9; Serial No. 382,345; published Dec. 1, 1936.

Pop corn. American Pop Corn Company. 343,184; Feb. 9; Serial No. 384,362; published Dec. 1, 1936.
Preserves, jams, jellies, etc., Fruit. Preserves & Honey, Inc. 343,147; Feb. 9; Serial No. 383,749; published Dec. 1, 1936.
Rice. Panama Rice Milling Co. 117,056; renewed June 12, 1937.

CLASS 47

Vermouth. Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies (Société Anonyme). 343,088; Feb. 9; Serial No. 382,623; published Dec. 1, 1936.
Wines. Cork & Bottle Inc. 343,014; Feb. 9; Serial No. 377,735; published Aug. 25, 1936.
Wines. Monarch Wine Co. 343,136; Feb. 9; Serial No. 383,415; published Dec. 1, 1936.
Wines. Petri Cigar Co. 343,137; Feb. 9; Serial No. 383,443; published Dec. 1, 1936.
Wines. Sunny Hill Wineries. 343,086; Feb. 9; Serial No. 382,609; published Dec. 1, 1936.

CLASS 48

Ale. Wehle Brewing Company. 343,202; Feb. 9; Serial No. 384,173; published Dec. 1, 1936.
Beer, ale, stout, and porter. Bass, Ratcliff & Gretton Limited. 343,198; Feb. 9; Serial No. 384,403; published Dec. 1, 1936.
Beer and ale. New England Brewing Company. 343,156; Feb. 9; Serial No. 383,849; published Dec. 1, 1936.
Beer and ale. Standard Brewing Company. 343,173; Feb. 9; Serial No. 383,960; published Dec. 1, 1936.
Beer, Lager. Schepps Brewing Corporation. 343,183; Feb. 9; Serial No. 384,269; published Dec. 1, 1936.

CLASS 49

Bitters, brandy, cocktails, etc., Alcoholic. Mohawk Liqueur Corporation. 343,052; Feb. 9; Serial No. 361,811; published Apr. 30, 1935.
Vodka. Ste. Pierre Smirnoff Fls. Incorporated. 343,210–1; Feb. 9.
Whiskey. Bloomingdale Bros., Inc. 343,223; Feb. 9.
Whiskey, brandy, gin, and rum. E. Kahn & Co. 343,215; Feb. 9.

CLASS 50

Closure-tops for bottles, jars, and the like. United States Metal Cap & Seal Corporation. 115,041; renewed Jan. 16, 1937.
Fabrics coated with cellulose derivatives and fabrics coated with resinous material. L. E. Carpenter & Co. 343,035; Feb. 9; Serial No. 381,258; published Dec. 1, 1936.
Insect cages, Scenic. F. E. Austin. 343,032–3; Feb. 9; Serial Nos. 381,103–4; published Dec. 1, 1936.

LIST OF LABELS

Ace Rich Lather Shaving Cream. For Shaving Cream. Ace Manufacturing Company. 48,891; Feb. 9.
Ada Milling Co. Corn Meal (Maroon, Blue and Yellow Plaid on White Background). For Corn Meal. Ada Milling Co. 48,898; Feb. 9.
Ada Milling Co. Corn Meal (Small Red and Grey Flowers on White Background). For Corn Meal. Ada Milling Co. 48,896; Feb. 9.
Ada Milling Co. Corn Meal (Small Yellow and Lavender Flowers on White Background). For Corn Meal. Ada Milling Co. 48,897; Feb. 9.
Ada Milling Co. Flour (Lavender, Purple, Yellow, White and Green Plaid). For Flour. Ada Milling Co. 48,895; Feb. 9.
Ada Milling Co. Flour (Red and White Checkered Pattern). For Flour. Ada Milling Co. 48,892; Feb. 9.
Ada Milling Co. Flour (Red, White and Blue Basket Weave Pattern). For Flour. Ada Milling Co. 48,894; Feb. 9.
Ada Milling Co. Flour (Tan, Brown, Orange, Green and White Plaid). For Flour. Ada Milling Co. 48,893; Feb. 9.
All-Sports Shoes. For Shoes. M. B. Claff & Sons, Inc. 48,924; Feb. 9.
Banquet (McCormick's) No. 25 Orange Pekoe Tea Bags. For Individual Tea Bags. McCormick & Co. 48,942; Feb. 9.
Betty Bob. For Bob Pins. Hair Net Packers, Inc. 48,933; Feb. 9.
Door-Ease Stainless Stick Lubricant. For Stick Lubricants. F. Rosen. 48,951; Feb. 9.
Dwin Household Insect Killer. For a Liquid Preparation for Killing Insects. Baldwin Laboratories, Inc. 48,900; Feb. 9.
Faygo. For Root Beer. Feigenson Brothers Company. 48,926; Feb. 9.
Flowers. For Bread. Pollock Paper & Box Company. 48,948; Feb. 9.
Fort Brand. For Containers for Cottage Cheese. Mensasha Products Company. 48,944; Feb. 9.
Fut-Fitter Health Shoes. For Shoes. M. B. Claff & Sons, Inc. 48,907; Feb. 9.
Glenmore Shoes. For Shoes. M. B. Claff & Sons, Inc. 48,916; Feb. 9.
Glover's Imperial Double Action Capsules. For Capsules for Round Worms and Hook Worms in Puppies, Dogs, Cats and Foxes. H. Clay Glover Co. 48,931; Feb. 9.
Green Gypsy. For Bird Seed. Green Gypsy Products. 48,932; Feb. 9.
Ground-Gainer Shoe. For Shoes. M. B. Claff & Sons, Inc. 48,922; Feb. 9.
Heal A Chap. For a Healing Lotion. E. A. Vaughan Co. 48,956; Feb. 9.
Hine & Lynch Fine Shoes for Men. For Shoes. M. B. Claff & Sons, Inc. 48,909; Feb. 9.
Hunny Girl. For Shoes. M. B. Claff & Sons, Inc. 48,915; Feb. 9.
Jax—For Friendly Stimulation. For Beer. Jackson Brewing Co. 48,934; Feb. 9.
L. B. Hair-in-Place. For Hair Dressing. L. B. Laboratories, Inc. 48,935; Feb. 9.
Mamou Mentholatum Cough Syrup. For Cough Syrup. C. Broussard. 48,903; Feb. 9.
Manhattan—Goodyear Welt Shoes. For Shoes. M. B. Claff & Sons, Inc. 48,921; Feb. 9.
Markwell RF Staples. For Staples. Markwell Manufacturing Company. 48,939; Feb. 9.
Mary Jane. For Underwear. Oberly & Newell Lithograph Corp. 48,947; Feb. 9.
Master Made Spring Arch. For Shoes. M. B. Claff & Sons, Inc. 48,911; Feb. 9.
Mechling's Sulrote. For an Insecticide and Fungicide. Mechling Brothers Chemical Company. 48,943; Feb. 9.
Mosby's. For Laxative and Acid Indigestion Tablets. Mosby Medicine Co. 48,945; Feb. 9.
Mulsite Cleaner. For Cleaning Compound. Ward Chemical & Mfg. Company. 48,959; Feb. 9.
My Dog. For Dog Food. Vimpep Foods, Inc. 48,957; Feb. 9.
National Premium Pale Dry Beer. For Beer. National Brewing Company. 48,946; Feb. 9.
Old Faithful Pale Beer. For Beer. Gallatin Brewing Co. 48,930; Feb. 9.
Old German. For Wurzburger Type Beer. Du Bois Brewing Co. 48,925; Feb. 9.
Overglobe Shoe. For Shoes. M. B. Claff & Sons, Inc. 48,914; Feb. 9.
Pioneer Heavy Duty Shoe. For Shoes. M. B. Claff & Sons, Inc. 48,912; Feb. 9.
Puro Perfumed Bath Crystals and Water Softener. For Bath Crystals. Puro Co. 48,949; Feb. 9.
Rainbo Is Good Bread. For Bread. P. D. Archer. 48,961; Feb. 9.
Rest-O Slippers. For Slippers. M. B. Claff & Sons, Inc. 48,920; Feb. 9.
Rinault French 75. For Fortified Sparkling Wine. L. N. Rinault & Sons, Inc. 48,950; Feb. 9.
Sandacres Selected Eggs. For Selected Eggs. J. E. Taylor. 48,954; Feb. 9.
Schnitz Smart Shoes. For Shoes. M. B. Claff & Sons, Inc. 48,919; Feb. 9.
Shur-Shot. For an Insecticide. Arrow Chemical Co. 48,899; Feb. 9.
Sigari Rex. For Cigars. R. Caiazzo. 48,904; Feb. 9.
—Smiles— The "Happy" Brushless Shaving Cream. For Brushless Shaving Cream. S & S Laboratories. 48,952; Feb. 9.
Society Debs. For Shoes. M. B. Claff & Sons, Inc. 48,918; Feb. 9.
Sport-Craft—Shoes Supreme. For Shoes. M. B. Claff & Sons, Inc. 48,908; Feb. 9.
Standard Fleece Twine. For Fleece Twine. W. E. Sackner. 48,953; Feb. 9.
Star Dust. For Scotch Snuff. W. S. Mathews & Sons, Inc. 48,940; Feb. 9.
Stylo. For Shoes. M. B. Claff & Sons, Inc. 48,905; Feb. 9.
Sun-Ez Sandals. For Sandals. M. B. Claff & Sons, Inc. 48,913; Feb. 9.
Sunsip. For Blended Orange and Grapefruit Juice. Gregg Maxcy, Inc. 48,941; Feb. 9.
Taco Self-Selecting Antenna System. For Antenna Systems. Technical Appliance Corporation. 48,955; Feb. 9.
The Cardinal Shoe. For Shoes. M. B. Claff & Sons, Inc. 48,906; Feb. 9.
The House of Westmore. For Make-Up Remover. House Of Westmore. 48,960; Feb. 9.
The Long Green—A Big Money Game of Chance. For a Game. Milton Bradley Company. 48,902; Feb. 9.
The Rhino Shoe. For Shoes. M. B. Claff & Sons, Inc. 48,910; Feb. 9.
The Tourist Shoe. For Shoes. M. B. Claff & Sons, Inc. 48,917; Feb. 9.
3 Men on a Horse—A Sparkling Game of Chance for Everybody. For a Game. Milton Bradley Company. 48,901; Feb. 9.

Virginia Sterling. For Shoes. M. B. Claff & Sons, Inc. 48,923; Feb. 9.
Vitamite. For a Preparation for Making a Chocolate Flavored Food Beverage. Vitamite Co. 48,958; Feb. 9.
Waldorf Half & Half. For Half-and-Half. Forest City Brewery, Inc. 48,929; Feb. 9.
Waldorf Lager Beer. For Lager Beer. Forest City Brewery, Inc. 48,927; Feb. 9.
Waldorf Pilsner. For Pilsner Beer. Forest City Brewery, Inc. 48,928; Feb. 9.
Whiteeth. For Tooth Paste. N. Le Vine. 48,936; Feb. 9.
Whiteeth. For Chewing Gum. N. Le Vine. 48,937; Feb. 9.
Young's Masterpiece. For Straight Rye Whiskey. Margulis & Company. 48,938; Feb. 9.

LIST OF PRINTS

"Ask Your Neighbor"—(Green Background). For Reading Anthracite. Philadelphia and Reading Coal and Iron Company. 16,072; Feb. 9.
"Ask Your Neighbor"—Yellow Background. For Reading Anthracite. Philadelphia and Reading Coal and Iron Company. 16,073; Feb. 9.
Germ-Proof Film Paints and Enamels. For Germ-Proof Film Paints and Enamels. Germ-Proof Film Paint Co. (Division of Camel Lead, Color & Chemical Products Mfg. Corp.). 16,069; Feb. 9.
Husbands Shout for Joy as Old-Time Hot Biscuits Come Back! For Biscuit Flour. General Mills, Inc. 16,068; Feb. 9.
Kurfees Color Selector. For Paint. J. F. Kurfees Paint Co. 16,071; Feb. 9.
Little Journeys to Many Lands—A Little Journey. For Albums. Stereo-Album Company. 16,075; Feb. 9.
Planters Peanut Jumbo Block. For Candy. Planters Nut & Chocolate Company. 16,074; Feb. 9.
Zephyr Mouth Wash. For a Mouth Wash. E. Jackson. 16,070; Feb. 9.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Economics Laboratory, Inc. (See Lane, Thomas D., assignor.)

Great Western Electro-Chemical Co. (See Stevenson, Ralph A., assignor.)

Lane, Thomas D., assignor to Economics Laboratory, Inc., St. Paul, Minn. Supply mechanism. 20,262; Feb. 9.

Pioneer Instrument Company. (See Urfer, Adolf, assignor.)

Stevenson, Ralph A., San Marlons, Calif., assignor to Great Western Electro-Chemical Co., San Francisco, Calif. Water purification process. 20,261; Feb. 9.

Urfer, Adolf, New Rochelle, N. Y., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Rate of climb instrument. 20,263; Feb. 9.

LIST OF PLANT PATENTEES

Fisher, Carl H., Queenston, Ontario, Canada. Peach. 233; Feb. 9.

Henry, Charles C., assignor of one-half to J. L. Jones, Escondido, Calif. Avocado. 234; Feb. 9.

LIST OF DESIGN PATENTEES

Atkins, Thomas R., Cliftondale, Mass., assignor to Colella and Leighton Shoe Company, Lynn, Mass. Shoe. 103,091; Feb. 9.

Battery Patents Corporation. (See Henry, Harry H., assignor.)

Batwing Aircraft Company. (See McGinty, Walter F., assignor.)

Beardsley, Harry I., Chatham, N. J., and J. M. Hayward, Crestwood, N. Y., assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Telephone directory cabinet. 103,144; Feb. 9.

Bell Telephone Laboratories Incorporated. (See Beardsley, H. I., and Hayward, assignors.)

Benander, George B., Yalesville, Conn., assignor to The Monowatt Electric Corporation. Combined contact plug, lamp socket, and shade. 103,145; Feb. 9.

Betancourt, Gilbert. (See Opperman, O. F., and Betancourt.)

Braun, Rudolf, Brooklyn, N. Y., assignor to Red Lion Table Company, Red Lion, Pa. Bedstead. 103,092; Feb. 9.

Carr-Lowrey Glass Co. (See Kohl, William R., assignor.)

Chiat, Abraham A., New York, N. Y. Textile fabric. 103,093; Feb. 9.

Colella and Leighton Shoe Company. (See Atkins, Thomas R., assignor.)

Coleman, Tora, New York, N. Y. Dress. 103,185; Feb. 9.

Condor Products, Inc. (See Knoll, Floyd A., assignor.)

Defiance Pressed Steel Company, The. (See Hess, Clarence R. T., assignor.)

Dick, Samuel, Brooklyn, N. Y. Ensemble dress. 103,191; Feb. 9.

Dixon, Alfred E., Providence, R. I., assignor to Ostby and Barton Company. Finger ring. 103,146; Feb. 9.

Doering, Charles, Chicago, Ill. Dairy product print machine. 103,094; Feb. 9.

Dura-Products Manufacturing Co. (See George, Edgar E., assignor.)

Federal Glass Company, The. (See Nicholson, Albert H., assignor.)

Fitzmaurice, Douglas F. H., London, England. Automobile. 103,095; Feb. 9.

Fitzmaurice, Douglas F. H., London, England. Automobile. 103,096; Feb. 9.

Fuchs, John E., New York, N. Y. Glove. 103,147; Feb. 9.

Fuerst, Edwin W., assignor to Libbey Glass Company, Toledo, Ohio. Glass. 103,148; Feb. 9.

General Electric Company. (See Rainbault, John P., assignor.)

George, Edgar E., assignor to Dura-Products Manufacturing Co., Canton, Ohio. Embossed metal sheet. 103,097; Feb. 9.

Gilbert, A. C., Company, The. (See Heller, Robert, assignor.)

Gilbert, William L., Clock Corporation. (See Williams, Othnell G., assignor.)

Gravenstreter, Edward F. (See Meyers, T. W., and Gravenstreter.)

Greenberg Garment Company. (See Greenberg, Isidor, assignor.)

Greenberg, Isidor, University City, Mo., assignor to Greenberg Garment Company, St. Louis, Mo. Coat. 103,186; Feb. 9.

Gruen Watch Company, The. (See Katz, Benjamin S., assignor.)

Guzy, Aaron M., New York, N. Y. Dress. 103,192; Feb. 9.

Guzy, Aaron M., New York, N. Y. Dress. 103,193; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,194; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,195; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,196; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,197; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,198; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,199; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,200; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,201; Feb. 9.

Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,206; Feb. 9.

Hansen Manufacturing Company. (See Hansen, W. L., and Hurst, assignors.)

Hansen, William L., and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Gear mechanism casing for clocks or similar articles. 103,098; Feb. 9.

Hayward, John M. (See Beardsley, H. I., and Hayward.)

Helfgott, Leo A., Brooklyn, N. Y. Edible cup. 103,099; Feb. 9.

Heller, Robert, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn. Percolator. 103,149; Feb. 9.

Henry, Harry H., assignor to Battery Patents Corporation, Chicago, Ill. Truss rod unit. 103,100; Feb. 9.

Herrick, Paul L., assignor to Independent Grocers' Alliance Distributing Co., Chicago, Ill. Jar. 103,101; Feb. 9.

Hess, Clarence R. T., Prairie View, Ill., assignor to The Defiance Pressed Steel Company, Defiance, Ohio. Automobile heater. 103,205; Feb. 9.

Hickory Town Distilling Co. (See Kennedy, Angus B., assignor.)

Hirschberg, S. Charles, New York, N. Y. Display stand. 103,150; Feb. 9.

Hoban, Fairfield W., assignor to Stewart and McGuire, Incorporated, New York, N. Y. Vending machine or the like. 103,102; Feb. 9.

Howard, Jules. (See Richeson, Sanford E., assignor.)

Hower, Harry C., Chicago, Ill. Automobile tire. 103,103; Feb. 9.

Hurst, Ira N. (See Hansen, W. L., and Hurst.)

Independent Grocers' Alliance Distributing Co. (See Herrick, Paul L., assignor.)

Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Pocket watch display box. 103,104; Feb. 9.

Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Strap watch display box. 103,105; Feb. 9.

Katz, Frank, Brooklyn, N. Y. Decanter or similar article. 103,151; Feb. 9.

Katz, Frank, Brooklyn, N. Y. Decanter or similar article. 103,152; Feb. 9.

Keller, Charles L., Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio. Storage battery cell cover. 103,153; Feb. 9.
Kennedy, Angus B., assignor to Hickory Town Distilling Co., Hanover, Pa. Bottle. 103,154; Feb. 9.
Ketterlinus Lithographic Manufacturing Company. (See Schwartz, Eugene, assignor.)
Kilham, Peter, Santa Fe, N. Mex. Heater casing or similar article. 103,106; Feb. 9.
Kilham, Peter, Santa Fe, N. Mex. Heater casing or similar article. 103,107; Feb. 9.
Kilham, Peter, Santa Fe, N. Mex. Heater casing or similar article. 103,108; Feb. 9.
Kilham, Peter, Santa Fe, N. Mex. Heater casing or similar article. 103,109; Feb. 9.
Kilham, Peter, Santa Fe, N. Mex. Heater casing or similar article. 103,110; Feb. 9.
Knoll, Floyd A., assignor to Condor Products, Inc., Buffalo, N. Y. Suspenders. 103,159; Feb. 9.
Knoll, Floyd A., assignor to Condor Products, Inc., Buffalo, N. Y. Suspenders. 103,173; Feb. 9.
Knoll, Floyd A., assignor to Condor Products, Inc., Buffalo, N. Y. Suspender fitting. 103,174; Feb. 9.
Knoll, Floyd A., assignor to Condor Products, Inc., Buffalo, N. Y. Suspender fitting. 103,175; Feb. 9.
Knoll, Floyd A., assignor to Condor Products, Inc., Buffalo, N. Y. Buckle. 103,176; Feb. 9.
Koeber, Paul C., Bellmore, N. Y. Lens for signal lamps. 103,155; Feb. 9.
Kohl, William R., Cumberland, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 103,156; Feb. 9.
Kohl, William R., Cumberland, assignor to Carr-Lowrey Glass Co., Baltimore, Md. 103,157; Feb. 9.
Kohl, William R., Cumberland, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 103,158; Feb. 9.
Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Lamp. 103,177; Feb. 9.
Krolop, Walter W., Bagley, Minn. Lavatory unit. 103,111; Feb. 9.
Laylon, Harry. (See Low, T. H., and Laylon.)
Levy, Joseph G., New York, N. Y. Textile fabric. 103,178; Feb. 9.
Lewis, Florence N., New York, N. Y. Toiletry case. 103,112; Feb. 9.
Libbey Glass Company. (See Fuerst, Edwin W., assignor.)
Lippert, Morris, Brooklyn, N. Y. Shoe. 103,113; Feb. 9.
Low, Theodore H., New Haven, and H. Laylon, Waterbury, Conn., said Laylon assignor to said Low. Bottle decapper. 103,179; Feb. 9.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Condiment shaker. 103,114; Feb. 9.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Ashtray. 103,115; Feb. 9.
Maison Joubert, Inc. (See Mogi, Yasuhisa, assignor.)
Manhattan Scalloping & Embroidery Works. (See Sigoda, Victor J., assignor.)
Marcus, Julius, New York, N. Y. Handkerchief. 103,116; Feb. 9.
McCain, Edwin W., assignor to Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo. Shoe. 103,180; Feb. 9.
McCain, Edwin W., assignor to Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo. Shoe. 103,181; Feb. 9.
McCain, Edwin W., assignor to Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo. Shoe. 103,182; Feb. 9.
McGinty, Walter F., assignor to Batwing Aircraft Company, Alameda, Calif. Airplane. 103,183; Feb. 9.
McQuitty, James, Bangor, Northern Ireland. Deck of playing cards. 103,117; Feb. 9.
Meltzer, Jack, New York, N. Y. Slipper or similar article of footwear. 103,118; Feb. 9.
Meyer, John F. (See Simpkins, Carl R., assignor.)
Meyers, Thomas W., Lakewood, and E. F. Gravenstreter, Rocky River, Ohio. Metal flower basket. 103,184; Feb. 9.
Miles, Emeline P., Peoria, Ill. Doll. 103,119; Feb. 9.
Miller, L., & Sons, Inc. (See Vamos, Alfred, assignor.)
Mogi, Yasuhisa, New York, N. Y., assignor to Maison Joubert, Inc., New York, N. Y. Bottle or similar container. 103,120; Feb. 9.
Mogi, Yasuhisa, assignor to Maison Joubert, Inc., New York, N. Y. Bottle or similar container. 103,121; Feb. 9.
Mogi, Yasuhisa, assignor to Maison Joubert, Inc., New York, N. Y. Bottle or similar article. 103,122; Feb. 9.
Mogi, Yasuhisa, assignor to Maison Joubert, Inc., New York, N. Y. Bottle or similar container. 103,160; Feb. 9.
Monowatt Electric Corporation, The. (See Benander, George B., assignor.)
Montgomery Ward & Co. (See Swainson, Anne, assignor.)
Montoya, Victor M., Caracas, Venezuela. Piano case. 103,123; Feb. 9, 1937.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Frame for a girl's bicycle. 103,124; Feb. 9.
Murray-Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)
Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass refrigerator dish or article of similar nature. 103,125; Feb. 9.
Opperman, Otto F., and G. Betancourt, Santa Monica, Calif. Combined service wagon and perambulator. 103,161; Feb. 9.
Ostby and Barton Company. (See Dixon, Alfred E., assignor.)
Owens-Illinois Glass Company. (See Mackelfresh, William E., Jr., assignor.)
Rainbault, John P., New York, N. Y., assignor to General Electric Company. Timer case. 103,162; Feb. 9.
Red Lion Table Company. (See Braun, Rudolf, assignor.)
Reynolds, Lester A., Los Angeles, Calif. Sewing kit. 103,187; Feb. 9.
Richardson Company, The. (See Keller, Charles L., assignor.)
Richeson, Sanford E., Jersey City, N. J., assignor of one-half to J. Howard, New Rochelle, N. Y. Casing for a coffee roasting machine. 103,188; Feb. 9.
Rose, Willis M., Montclair, N. J., assignor to The Sun Tube Corporation, Hillside, N. J. Closure cap. 103,163; Feb. 9.
Roseman, David S., New York, N. Y. Sport ensemble. 103,202; Feb. 9.
Samuels, Theodore, St. Louis, Mo. Shoe. 103,126; Feb. 9.
Schwartz, Eugene, assignor to The Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa. Display stand or similar article. 103,127; Feb. 9.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sheer, Edward, New York, N. Y. Toy bank. 103,128; Feb. 9.
Sigoda, Victor J., Brooklyn, assignor to Manhattan Scalloping & Embroidery Works, New York, N. Y. Trimming for dresses, suits, and coats. 103,129; Feb. 9.
Silverman, Jacob A., New York, N. Y. Suit. 103,203; Feb. 9.
Simpkins, Carl R., Inglewood, assignor to J. F. Meyer, Pasadena, Calif. Device for vending machines. 103,130; Feb. 9.
Simpson, Robert W., New York, N. Y. Flower exhibiting device. 103,131; Feb. 9.
Smith, Reuben R., Exton, Pa. Bottle. 103,164; Feb. 9.
Staley, Joseph H., assignor to Stirney Electric Corporation, Columbus, Ind. Dry cell reactivator housing. 103,189; Feb. 9.
Stanley, Sinclair G., Chicago, Ill. Cake of soap. 103,190; Feb. 9.
Stewart and McGuire, Incorporated. (See Hoban, Fairfield W., assignor.)
Stirney Electric Corporation. (See Staley, Joseph H., assignor.)
Straus, Sylvan M., Gloversville, N. Y. Glove. 103,165; Feb. 9.
Sun Tube Corporation, The. (See Rose, Willis M., assignor.)
Swainson, Anne, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Platter. 103,166; Feb. 9.
Swainson, Anne, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Pitcher. 103,167; Feb. 9.
Swainson, Anne, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Cup. 103,168; Feb. 9.
Swainson, Anne, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Covered dish. 103,169; Feb. 9.
Turiansky, Abraham, New York, N. Y. Shoe. 103,132; Feb. 9.
Turpan, Mark, West New York, N. J. Textile fabric. 103,133; Feb. 9.
Turpan, Mark, West New York, N. J. Textile fabric. 103,134; Feb. 9.
Turpan, Mark, West New York, N. J. Textile fabric. 103,135; Feb. 9.
Turpan, Mark, West New York, N. J. Textile fabric. 103,136; Feb. 9.
Vamos, Alfred, Brooklyn, assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Shoe or similar article. 103,170; Feb. 9.
Vuillemenot, Frederic A., Toledo, Ohio. Atomizer. 103,171; Feb. 9.
Wallenthin, Walfrid, Attleboro, Mass. Case or similar article. 103,137; Feb. 9.
Weiner, Ben, Brookline, Mass. Shoe. 103,138; Feb. 9.
Weiner, Ben, Brookline, Mass. Shoe. 103,139; Feb. 9.
Weiss, Rose A., New York, N. Y. Blouse. 103,204; Feb. 9.
Wengard, Ben, Waterloo, Iowa. Shield for an automobile radiator. 103,172; Feb. 9.
Wettstein, Godfrey B., Portland, Oreg. Combined weeding and fertilizing gun. 103,140; Feb. 9.
White, Edward L., San Angelo, Tex. Compound tool. 103,141; Feb. 9.
Williams, Othneil G., assignor to William L. Gilbert Clock Corporation, Winsted, Conn. Clock case. 103,142; Feb. 9.
Williams, Othneil G., assignor to William L. Gilbert Clock Corporation, Winsted, Conn. Clock case. 103,143; Feb. 9.
Wolff-Tober Shoe Manufacturing Company. (See McCain, Edwin W., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acme Air Appliance Company. (See Longstreet, Walter H., assignor.)
Adams, Henry F., Inspiration, Ariz. Operating thickener. 2,069,989; Feb. 9.
Addressograph-Multigraph Corporation. (See Hueber, Carl J., assignor.)
Aero-Style Corporation. (See Harroun, Ray W., assignor.)
Agfa Ansco Corporation. (See Goldhammer, Leo, assignor.)
Air Devices Corporation. (See Child, Lachlan W., assignor.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Reconstructing valve seats. 2,069,933; Feb. 9.
Alden, Carroll R., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich. Fluid distribution system. 2,069,744; Feb. 9.
Alderfer, Sterling W., assignor to E. D. Andrews, Akron, Ohio. Apparatus for making rubber tubing or the like. 2,070,388; Feb. 9.
Alderman, Eugene R., South Hadley, Mass. Bobbin stripping machine. 2,070,193; Feb. 9.
Alexander, James N., Birmingham, Ala. Saw setter. 2,070,105; Feb. 9.
Alexander, James N., Birmingham, Ala. Gravity feed for cross-cut saw handles. 2,070,106; Feb. 9.
Aliemann, Hugo, Bettlach, Switzerland. Drilling machine. 2,070,463; Feb. 9.
Allen, Carl M. (See Gallagher, C. A., and Allen.)
Allen Company, The. (See Allen, Mark H., assignor.)
Allen, Howard C., Vancouver, British Columbia, Canada. Drink dispensing device. 2,070,107; Feb. 9.
Allen, Mark H., assignor to The Allen Company, Greenville, S. C. Incinerator. 2,070,520; Feb. 9.
Allen, Philip H., San Leandro, Calif. Engine. 2,069,745; Feb. 9.
American Car and Foundry Company. (See Clade, Robert, assignor.)
American Cyanamid & Chemical Corporation. (See Jaeger, Alphons O., assignor.)
American Engineering Company. (See Bennett, Joseph S., assignor.)
American Engineering Company. (See Harrison, Clifford E., assignor.)
American Epok Inc. (See Rosenberg, Kurt, assignor.)
American Gasaccumulator Company. (See Sherwood, Carroll P., assignor.)
American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
American Laundry Machinery Company, The. (See Sarafu, Herman, assignor.)
American Lurgi Corporation. (See Debuch, C. P., and Markworth, assignors.)
American Rolling Mill Company, The. (See Hayes, A., and Griffis, assignors.)
American Rolling Mill Company, The. (See Millan, Edward N., assignor.)
American Stay Company. (See Merrick, Frank W., assignor.)
American Tap Bush Company. (See Rice, Frank E., assignor.)
American Telephone and Telegraph Company. (See Edwards, W. H., and Halligan, assignors.)
American Telephone and Telegraph Company. (See Wintringham, William T., assignor.)
Ammon, Christian, Berlin-Wilmersdorf, Germany. Converting carbon monoxide into formic acid. 2,070,503; Feb. 9.
Anciens Etablissements R. Cornely & Cie., Societe Anonyme. (See Ollendorff, Jacques, assignor.)
Andale Company. (See McNeal, Daniel R., assignor.)
Andersson, Sven W. E., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Gas regulator. 2,069,808; Feb. 9.
Andrews, Clifford M., York, Nebr. Device for processing dentures. 2,069,746; Feb. 9.
Andrews, Edward D. (See Alderfer, Sterling W., assignor.)
Andrews, Edward F. (See Beane, E. A., and Andrews.)
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,070,249; Feb. 9.
Anthony, Jack, Tulsa, assignor, by mesne assignments, of sixty per cent to F. P. Collins and forty per cent to G. Krell, Sapulpa, Okla. Clamp. 2,070,550; Feb. 9.
Apple, Edward M., et al., executors. (See Cotterman, Frederick W.)
Apple, Herbert F., et al., executors. (See Cotterman, Frederick W.)
Apple, Vincent G. (See Cotterman, Frederick W., assignor.)
Arguimbau, Lawrence B., assignor to General Radio Company, Cambridge, Mass. Modulation meter. 2,069,934; Feb. 9.
Armstrong, Reginald B., London, England, assignor to Radio Corporation of America. Automatic volume control circuit. 2,069,809; Feb. 9.
Arni, Hans. (See Rüntsch, K., and Arni.)
Arnold, Harold D., Maplewood, by L. B. Arnold, administratrix, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording and reproducing system. 2,069,810; Feb. 9.
Arnold, Leila B., administratrix. (See Arnold, Harold D.)
Asahi Denka Kogyo Kabushiki Kaisha. (See Suzuki, Masutaro, assignor.)
Atkins, Harry C., Denver, Colo. Ventilated berry crate. 2,069,747; Feb. 9.
Atwood, George W. (See Neuinherz, H. W., and Atwood.)
Autogiro Company of America. (See Pecker, J. S., and Larsen, assignors.)
Automotive Products Company Limited. (See Clench, Edward C. S., assignors.)
Badenhausen, John P., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa. Boiler construction. 2,070,250; Feb. 9.
Baer, Alvin H., and E. B. McCabe, Carbondale, Pa., assignors, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Skating rink. 2,069,811; Feb. 9.
Baird Machine Company. (See Lewis, Arthur J., assignor.)
Bakelite Corporation. (See Elbel, E., and Sussenguth, assignors.)
Bakelite Corporation. (See Turkington, V. H., and Butler, assignors.)
Balsley, James R. (See Pottenger, F. M., Jr., and Balsley.)
Bannerman, William E., Toronto, Ontario, Canada. Combined expander and flanger for lined pipes. 2,070,504; Feb. 9.
Barber-Colman Company. (See Peterson, Burt A., assignor.)
Bardes, E. H., Range and Foundry Company. (See Bardes, Oliver L., assignor.)
Bardes, Oliver L., assignor to The E. H. Bardes Range and Foundry Company, Cincinnati, Ohio. Stoker construction. 2,070,389; Feb. 9.
Bargeboer, Adolf, The Hague, Netherlands. Adjusting device. 2,070,108; Feb. 9.
Barrow, Claude W., assignor to Lichfield Shirts Limited, Christchurch, New Zealand. Collar. 2,070,464; Feb. 9.
Bartune, Richard, Teltow-Seehof, near Berlin, A. Hartmann, Berlin-Lichterfelde, J. J. Stoeckly, Teltow-Seehof, near Berlin, and J. Uytenbogaart, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation. Manufacture of multicolored filaments. 2,070,194; Feb. 9.
Bastian-Blessing Company, The. (See Evleth, Earl M., assignor.)
Batt, Howard H., Los Angeles, Calif. Producing smoke and fog effects. 2,070,038; Feb. 9.
Battelle Memorial Institute. (See Harder, O. E., and Sullivan, assignors.)
Bauersfeld, Walther, assignor to firm Carl Zeiss, Jena, Germany. Micro-manipulator. 2,070,037; Feb. 9.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track shunting apparatus. 2,069,870; Feb. 9.
Beane, Edwin A., Oak Park, and E. F. Andrews, Chicago, Ill., assignors to Radio Corporation of America. High frequency amplifier. 2,069,812; Feb. 9.
Bear, Stephen M., Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Balloon shield for cap spinning machines. 2,069,935; Feb. 9.
Beck, Charles J., Philadelphia, Pa. Decurling device. 2,070,505; Feb. 9.
Becmer, Stephen M., Bayonne, N. J. Direction indicator switch. 2,069,936; Feb. 9.
Bee Line Manufacturing Company. (See Smith, Roy D., assignor.)
Beetem, Frank G., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Controlling the charging voltage of storage batteries. 2,069,737; Feb. 9.
Beetem, Frank G., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery charge control. 2,070,541; Feb. 9.
Bell Telephone Laboratories, Incorporated. (See Arnold, Harold D., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bond, Donald S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Clare, Harry R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Farkas, S. F., and Hilton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Holdaway, Vivian L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Keller, Arthur C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Massonneau, Robert F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilson, James R., assignor.)
Benda, Louis, Frankfort-on-the-Main, and O. Sievers, Hohe Tanne, near Hanau-on-the-Main, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y. Easily soluble salts of acylamino-phenol-arsonic acids. 2,070,109; Feb. 9.
Bennett, Ben, Richmond Hill, N. Y. Venetian blind clamp. 2,070,110; Feb. 9.
Bennett, Joseph S., Merlon, assignor to American Engineering Company, Philadelphia, Pa. Hopper. 2,070,152; Feb. 9.
Besler, William J., Oakland, Calif. Control. 2,070,075; Feb. 9.
Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Multiplex cable code telegraphy with diversity reception. 2,070,418; Feb. 9.
Beverage, Harold H., and H. O. Peterson, Riverhead, N. Y., assignors to Radio Corporation of America. Fading elimination. 2,069,813; Feb. 9.
Bevill, Sims D., Poteau, Okla. Thumb guard. 2,070,506; Feb. 9.
Bienvenu, Rene. (See Webster, Vey V., assignor.)
Biggs, Franklin H., assignor to The Woolson Spice Company, Toledo, Ohio. Bag sealing and labeling machine. 2,070,390; Feb. 9.
Bilhuber, Paul H., Douglaston, assignor to Steinway & Sons, New York, N. Y. Soundboard for pianos. 2,070,391; Feb. 9.
Bindler, Jakob, assignor to the firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of compounds useful for protection against moths. 2,070,350; Feb. 9.
Bindler, Jakob, assignor to the firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of isatin compounds useful for protection against moths. 2,070,351; Feb. 9.
Bindler, Jakob, assignor to the firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of isatin compounds useful for protection against moths. 2,070,352; Feb. 9.
Bindler, Jakob, assignor to the firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of isatin compounds useful for protection against moths. 2,070,353; Feb. 9.
Bird, Whitworth F., Springfield, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Impregnated pile fabric and making same. 2,070,251; Feb. 9.
Bishop, Harry W., Chicago, Ill. Display rack for lumber. 2,070,507; Feb. 9.
Bissell, Carl H., and H. P. Hastings, assignors to Crouse-Hinds Company, Syracuse, N. Y. Explosion resisting lighting fixture. 2,070,195; Feb. 9.
Bjork, Peter N., and G. A. Burns, Minneapolis, Minn., assignors to Butler Manufacturing Company, Kansas City, Mo. Gasoline metering assembly. 2,069,990; Feb. 9.
Bjorndal, Magnus. (See Wick, Emil A., assignor.)
Black, Bert H., Crosbyton, Tex. Water service stand. 2,070,196; Feb. 9.
Black, John O., Detroit, Mich. Securing bung bushings. 2,069,937; Feb. 9.
Blanc, Samuel O., Des Moines, Iowa. Cutter member for cleaning drain pipes. 2,069,871; Feb. 9.
Blanchard, Werner J., Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Pitch indicator. 2,069,991; Feb. 9.
Blayney, Charles V., Hinsdale, Ill. Broiling device. 2,070,111; Feb. 9.
Blue Ridge Slate Corporation. (See Hillers, Carl E., assignor.)
Blumenthal, Sidney, & Co. (See Embardt, John C., assignor.)
Bohland, Jerry B. (See Farnsworth, W. J., and Bohland.)
Bond, Donald S., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,069,814; Feb. 9.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 2,069,992; Feb. 9.
Börner, Christian, Bomlitz near Walsrode, Germany, assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Process and apparatus for drying tubing. 2,070,252; Feb. 9.
Bornkessel, Bruno, deceased, by M. Kornkessel, administratrix, Essen-on-the-Ruhr, E. Breitling, W. Brauer, and K. A. Lehmann, Essen, Germany, assignors, by mesne assignments, to The National Cash Register Co., Dayton, Ohio. Bookkeeping machine. 2,070,419; Feb. 9.
Bornkessel, Martha, executrix. (See Bornkessel, B., Breitling, Brauer, and Lehmann.)
Bourdon, Pierre M., Paris, assignor to Michelin et Cie, Clermont-Ferrand, France. Vehicle suspension. 2,069,911; Feb. 9.
Bowlden, Earl T. (See Strutz, E. H., and Bowlden.)
Bowles, Edward L., Wellesley Farms, Mass. Police communication system. 2,070,112; Feb. 9.
Box, Ernest R. (See Powell, A. R., and Box.)
Boynton, Arthur J., Winnetka, assignor to Brassert-Tidewater Development Corporation, Chicago, Ill. Coking hydrocarbon material. 2,069,815; Feb. 9.
Brand, Jean J., assignor of one-half to G. A. Chritton and one-half to T. J. Sullivan, Chicago, Ill. Radio receiving circuit. 2,070,354; Feb. 9.
Brandenburg, Joseph F., et al. (See Matthews, Percy W., assignor.)
Brassert-Tidewater Development Corporation. (See Boynton, Arthur J., assignor.)
Brauer, Wilhelm. (See Bornkessel, B., Breitling, Brauer, and Lehmann.)
Braun, Carl L. (See Lodge, Alfred L., assignor.)
Brecht, Winston A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flexible gear drive. 2,070,329; Feb. 9.
Brelsford, James B. (See Couch, H. H., Watkins, and Brelsford.)
Breitling, Ernst. (See Bornkessel, B., Breitling, Brauer, and Lehmann.)
Brewster, Percy D., Rumson, N. J. Photography. 2,070,222; Feb. 9.
Briggs, Stephen F., Chenequa, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Filter. 2,070,039; Feb. 9.
Briggs & Stratton Corporation. (See Briggs, Stephen F., assignor.)
Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Briggs & Stratton Corporation. (See Liss, Samuel A., assignor.)
Briggs & Stratton Corporation. (See Mack, Perry E., assignor.)
Brinton, Cecil C., Kidderminster, England. Machine for making carpets and other tufted or piled products. 2,069,912; Feb. 9.
Brooke, Francis M., assignor to Nanna S. Brooke, Bryn Mawr, Pa. Rotary or sleeve valve used in combustion chambers. 2,069,938; Feb. 9.
Brooke, Nanna S. (See Brooke, Francis M., assignor.)
Brostrom, Charles G., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for treating shoe welts. 2,069,748; Feb. 9.
Brown, Earl H., Palo Alto, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Separation of moylbdenite from copper sulphides. 2,070,076; Feb. 9.
Brown, Egbert F., Haddonfield, N. J., assignor to Curtis Publishing Company, Philadelphia, Pa. Advertising apparatus. 2,070,542; Feb. 9.
Brown, Frank E., assignor to The Parsons Company, Newton, Iowa. Snow plow hoist. 2,070,153; Feb. 9.
Brown, Harold H. (See Haughey, Theodore P., assignor.)
Brown and Sharp Manufacturing Company. (See Rich, Charles A., assignor.)
Browning, George, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Coffee maker. 2,069,939; Feb. 9.
Browning, John B., Camden, N. J. Recording and reproducing system. 2,070,392; Feb. 9.
Brubaker, Jacob Z., Manheim, Pa. Automatic dual temperature cooling system for motors. 2,069,749; Feb. 9.
Bruce, Thomas A., Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del. Corn starch dextrine re-moistening gum. 2,070,253; Feb. 9.
Bruegger, Zeno A., Boise, Idaho. Adjustable truss for pistons. 2,070,197; Feb. 9.
Buchanan, Clarence M., et al. (See Leidgen, Nicholas C., assignor.)
Buchen, Joseph C., San Leandro, Calif., assignor to Leslie Salt Company. Container spout. 2,069,738; Feb. 9.
Buell Combustion Company Limited, The. (See Essers, Jakob, assignor.)
Buffalo Electric Furnace Corporation. (See Sell, Gilbert E., assignor.)
Burgess, C. F., Laboratories, Inc. (See Walton, Clifford T., assignor.)
Burgess, James M., Norwalk, Conn. Motor vehicle. 2,070,113; Feb. 9.
Burgner, Harry W., Sinking Spring, Pa. Carrier device for golf clubs and the like. 2,070,254; Feb. 9.
Burke, Edmund, Oak Park, and A. K. Sorensen, assignors to Crane Co., Chicago, Ill. Automatic motor operated pressure regulating system. 2,069,993; Feb. 9.
Burlingame, Robert G., McPherson, and J. M. Clampitt, Wichita, Kans. Well elevator. 2,070,114; Feb. 9.
Burns, Gregory A. (See Bjork, P. N., and Burns.)
Burns, Thomas J., Beloit, Wis. Sponge holder. 2,070,420; Feb. 9.
Burns, Wilford E., Burlingame, assignor to M. J. B. Company, San Francisco, Calif. Can orienting device. 2,069,872; Feb. 9.
Burroughs Adding Machine Company. (See Pasinski, Walter J., assignor.)

Burton, Warren D., Goshen, Ind., assignor, by mesne assignments, to The Steel Products Engineering Company, Springfield, Ohio. Mechanical stoker. 2,069,940; Feb. 9.
Butler, Arthur G., Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Folding landing gear. 2,069,994; Feb. 9.
Butler, Carl P., New York, N. Y. Heater. 2,070,223; Feb. 9.
Butler Manufacturing Company. (See Bjork, P. N., and Burns, assignors.)
Butler, William H. (See Turkington, V. H., and Butler.)
Calderio, Edward, Garfield, N. J. Cigarette making machine. 2,070,198; Feb. 9.
California Orchard Heater Company, et al. (See Scheu, William C., assignor.)
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Pneumatic signal system. 2,069,913; Feb. 9.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,069,914; Feb. 9.
Cantelmo, James, Beechurst, Long Island, N. Y. Making shoes. 2,069,941; Feb. 9.
Carey, Philip, Manufacturing Company, The. (See Dom, C., and Moeller, assignors.)
Carey, Philip, Manufacturing Company, The. (See Greider, H. W., and Sherman, assignors.)
Calvert, William C., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Antioxidant. 2,070,521; Feb. 9.
Carl, Ludwig, assignor to E. Horn, Nuremberg, Germany. Toy vehicle. 2,070,465; Feb. 9.
Carleton, Ralph D., Snyder, and C. G. Trimbach, Eggertsville, N. Y., assignors to Curtiss-Wright Corporation. Releasable tank and bomb rack. 2,069,996; Feb. 9.
Carlson, Frederick O., assignor to Master Rule Manufacturing Company, Inc., New York, N. Y. Rule. 2,070,255; Feb. 9.
Carlson, Ralph G., assignor to Crane Co., Chicago, Ill. Cable operated valve. 2,069,995; Feb. 9.
Carpenter, Ose F., Brightwood, Va. Gang-boring machine. 2,070,466; Feb. 9.
Carr, Edward J., Scarsdale, N. Y. Carton. 2,069,997; Feb. 9.
Carter, Barnard M., Montclair, N. J., T. V. Fowler, Pelham, N. Y., and H. F. Merriam, West Orange, N. J., assignors to General Chemical Company, New York, N. Y. Making a sulphur bearing oil. 2,070,256; Feb. 9.
Carter, John W., Wichita Falls, Tex. Clutch. 2,070,154; Feb. 9.
Cartier, Societe Anonyme. (See Lenfant, Louis, assignor.)
Cary, Beecher B., and C. Hollerith, assignors to Hayes Industries, Inc., Jackson, Mich. Muffler. 2,070,543; Feb. 9.
Casco Products Corporation. (See Cohen, Joseph H., assignor.)
Catozella, Romeo A. (See Fortunato, V., and Catozella.)
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brush. 2,070,393; Feb. 9.
Cecka, Thomas G., assignor to International Milling Company, Buffalo, N. Y. Feed regulator and separator. 2,070,508; Feb. 9.
Celanese Corporation of America. (See Jabouley, J., and Yeadon, assignors.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Cellovis, Inc. (See Jones, W. Bartlett, assignor.)
Cellovis, Inc. (See Pascoe, T. A., and Hella, assignors.)
Celluloid Corporation. (See Olsen, Oscar W., assignor.)
Celluloid Corporation. (See St. Clair, Wilbur F., assignor.)
Central Commercial Company. (See Smith, Preston R., assignor.)
Chamberlin, William M. (See Glancy, A. R., and Chamberlin.)
Chambers, Bering, Quinlan Co. (See Talbot, Frank A., assignor.)
Chambers, Ivan F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing composition and process. 2,070,467; Feb. 9.
Chapman, Arthur W., Putney, London, England. Adjustable seat. 2,070,468; Feb. 9.
Chapman, Ralph W., assignor to The Old Town Company, Old Town, Maine. Machine for making pulp articles. 2,070,040; Feb. 9.
Chase Companies, The. (See Recker, Adolph C., assignor.)
Chase, Frederic L., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,070,330; Feb. 9.
Chenault, Earl A., Columbus, Ohio. Preservation of organic material. 2,069,873; Feb. 9.
Chevallier, Arnold L., and T. F. Sanders, Slough, assignors to Chevallier Self-Loading Firearms Limited, London, England. Recoil operated small arms. 2,070,355; Feb. 9.
Chevallier Self-Loading Firearms Limited. (See Chevallier, A. L., and Sanders, assignors.)
Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)
Chicago Flexible Shaft Company. (See Browning, George, assignor.)
Chicago Metal Products Company. (See Gilpin, Garth G., assignor.)
Chicago Pneumatic Tool Company. (See Coates, Charles B., assignor.)
Chicago Pneumatic Tool Company. (See Slatcher, Alfred G., assignor.)
Child, Lachlan W., South Bend, Ind., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill. Air conditioner. 2,069,816; Feb. 9.
Childs, Henry R. (See Stone, H. G., and Childs.)
Chiles, James W., El Reno, Okla. Covering device for planters. 2,070,509; Feb. 9.
Chisholm, Theodore L., and D. E. Maccabee, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,070,421; Feb. 9.
Christy, Kenneth A., Parker's Landing, Pa. Cutting hair. 2,070,356; Feb. 9.
Chritton, George A., et al. (See Brand, Jean J., assignor.)
Cincinnati Advertising Products Company, The. (See Mattiman, Gustave F., assignor.)
Cincinnati Bickford Tool Company. (See Schauer, L. L., and Sosa, assignors.)
Clade, Robert, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y. Lubricated valve. 2,069,998; Feb. 9.
Clade, Robert, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y. Lubricated valve. 2,069,999; Feb. 9.
Clade, Robert, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y. Lubricated valve with resilient base. 2,070,000; Feb. 9.
Clampitt, John M. (See Burlingame, R. G., and Clampitt.)
Clark, Lynn J., Cleveland, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio. Display. 2,070,544; Feb. 9.
Clarke, Harry R., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,069,817; Feb. 9.
Claude, André, Paris, and W. Manet, Boulogne sur seine, France, assignors to Société A. Georges Claude, Manet & Cie. Mechanical amplifying and reducing speed transformer. 2,070,510; Feb. 9.
Clements, Everett G., Washington, D. C., assignor to Fairbanks, Morse & Company, Chicago, Ill. Domestic refrigerator. 2,070,511; Feb. 9.
Clench, Edward C. S., Leamington Spa, assignor to Automotive Products Company Limited, London, England. Brake. 2,070,470; Feb. 9.
Cleveland Heater Company, The. (See Hansen, Earl J., assignor.)
Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparation of mercapto aryl thiazoles. 2,070,522; Feb. 9.
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing thiazyl derivatives. 2,070,523; Feb. 9.
Coates, Charles B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Power apparatus. 2,070,257; Feb. 9.
Coates, Charles H., U. S. Army. Apparatus for training in gunfire. 2,069,750; Feb. 9.
Coe, Leonard F., Spokane, Wash. Garden implement. 2,070,041; Feb. 9.
Coffey, James R. (See Lissauer, A. W., and Coffey.)
Cohen, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Suction cup. 2,069,942; Feb. 9.
Coleman, Gerald H., and G. V. Moore, assignors to The Dow Chemical Company, Midland, Mich. Production of tertiary butyl alcohol. 2,070,258; Feb. 9.
Collins & Aikman Corporation. (See Bird, Whitworth F., assignor.)
Collins & Aikman Corporation. (See Hiers, Glen S., assignor.)
Collins, Frank P., et al. (See Anthony, Jack, assignor.)
Collins, Oliver C. (See Loos, Walter, assignor.)
Colman, Howard D. (See Stewart, Duncan J., assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Perry, James W., assignor.)
Columbus McKinnon Chain Corporation. (See Stahl, Frank E., assignor.)
Combustion Engineering Company, Inc. (See Jackson, G. P., and Rosencrants, assignors.)
Condon, William J., Philadelphia, Pa. Enclosure device. 2,070,471; Feb. 9.
Continental Motors Corporation. (See Frank, Paul A., assignor.)
Continental Motors Corporation. (See Niven, Archie M., assignor.)
Continental Oil Company. (See Lincoln, B. H., and Nelson, assignors.)
Continental Steel Corporation. (See Schueler, J. L., and Heninger, assignors.)
Cook, Richard C. (See Miller, S. L., and Cook.)
Cooper Oven Thermometer Company, The. (See Whittier, Horace R., assignor.)
Copeland, Robert J., Toronto, Ontario, Canada. Typewriter attachment for handling continuous duplicate record sheets. 2,070,042; Feb. 9.
Copelin, Leonard S., Los Angeles, Calif. Rotary core bit. 2,070,001; Feb. 9.
Corey, Matt M., Chicago, Ill. Hand stamp. 2,070,512; Feb. 9.
Cortesi, Agostino P., Reno, Nev. Bicycle. 2,070,224; Feb. 9.

Cotterman, Frederick W., Dayton, Ohio, assignor of one-half to estate of V. G. Apple, deceased, by H. F. Apple, E. M. Apple, and G. Darroch, executors. Automotive clutch control mechanism. 2,069,818; Feb. 9.

Couch, Howard H., Oakwood, D. W. Watkins, Patterson Field, and J. B. Brelsford, Dayton, Ohio. Exhaust silencer. 2,069,751; Feb. 9.

Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Controlling apparatus for highway crossing signals. 2,069,874; Feb. 9.

Cramer, Howard I., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerator of vulcanization. 2,070,524; Feb. 9.

Crane Co. (See Burke, E., and Sorensen, assignors.)

Crane Co. (See Carlson, Ralph G., assignor.)

Crane Company of Minnesota. (See Hougland, Albert C., assignor.)

Crane, John B., Aberdeen, Wash. Fluid bearing. 2,070,115; Feb. 9.

Cranford, Chisolm C. (See Steere, Edward H., assignor.)

Creative Industries, Inc. (See Severy, Victor H., assignor.)

Cremer, George F., Milwaukee, Wis. Battery cable terminal. 2,070,259; Feb. 9.

Criswell, Elmer, Philadelphia, Pa. Combination flashlight and emergency traffic signal. 2,070,472; Feb. 9.

Crosby, Ward L. (See Miller, E. H., Jr., Schween, and Crosby.)

Crouse-Hinds Company. (See Bissell, C. H., and Hastings, assignors.)

Cruver, Curtis L., Oak Park, Ill. Window badge. 2,070,002; Feb. 9.

Cudahy Packing Company. (See Marhoff, Chesterfield G., assignor.)

Culpeper, Charles E., et al. (See Goldring, Thomas H., assignor.)

Culpeper, Charles E. (See Keith, Claude D., assignor.)

Cummings, Edmund O., High Point, N. C. Apparatus for electrolytic production of lead and oxides of lead. 2,070,513; Feb. 9.

Currier, Philip M., Ballston Lake, N. Y., assignor to General Electric Company. Control system. 2,070,473; Feb. 9.

Curtis Publishing Company. (See Brown, Egbert F., assignor.)

Curtiss-Wright Corporation. (See Blanchard, Werner J., assignor.)

Curtiss-Wright Corporation. (See Butler, Arthur G., assignor.)

Curtiss-Wright Corporation. (See Carleton, R. D., and Trimbach, assignors.)

Curtiss-Wright Corporation. (See Eaton, B. G., Jr., and Sutton, assignors.)

Cutillo, John, Auburn, N. Y. Arch-supporting shoe. 2,070,116; Feb. 9.

Cutler, Frank W., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Progressor mechanism for fruit treating machines. 2,070,043; Feb. 9.

Cuttino, William H. (See Rawlins, H. L., and Cuttino.)

Dacco, Aldo, Milan, Italy. Zinc alloy. 2,070,474; Feb. 9.

Dahlen, Miles A. (See Heckert, W. W., and Dahlen.)

Daimer, Otto, and F. von Werder, Darmsadt, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Dihydrotachysterol and manufacturing the same. 2,070,117; Feb. 9.

Danger, Etienne, assignor to Société Anonyme Usines Decouflé, Paris, France. Machine for the manufacture of sheet-paper blocks. 2,070,394; Feb. 9.

Darroch, Gourley, et al., executors. (See Cotterman, Frederick W.)

Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,070,003; Feb. 9.

Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,070,004; Feb. 9.

Davis, L. L. Jr., trustee, et al. (See Gilbert, Riley, assignor.)

Davis, Oscar M., Houston, Tex. Coupling. 2,070,077; Feb. 9.

Day, Peter, Jr., Fort Collins, Colo. Cultivator blade attachment. 2,070,155; Feb. 9.

Day, William P., Cleveland Heights, assignor to The International Vibrator Company, Cleveland, Ohio. Method and apparatus for repairing railway track. 2,070,260; Feb. 9.

Day and Zimmermann, Incorporated. (See Badenhausen, John P., assignor.)

Dazey Churn & Manufacturing Co. (See Dazey, Harry L., assignor.)

Dazey Churn & Manufacturing Co. (See Killman, Thomas A., assignor.)

Dazey, Harry L., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo. Can opener. 2,070,261; Feb. 9.

De Bats, Jean H. L., East Orange, N. J., assignor of ten per cent to H. W. Dix, Scarsdale, N. Y., and ninety per cent to Metal Carbides Corporation, Youngstown, Ohio. Tool and making same. 2,070,156; Feb. 9.

Debuch, Carl P., and E. Markworth, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Process of and apparatus for roasting ores. 2,069,875; Feb. 9.

Decker, George, and P. D. Spaeth, Jr., Cleveland, assignors to The Realistic Permanent Wave Machine Company, Cincinnati, Ohio. Hair waving apparatus. 2,070,422; Feb. 9.

Deimel, Albert H. (See Peterson, C. D., and Deimel.)

De Lacy-Mulhall, Patrick, Los Angeles, Calif. Irrigation system. 2,070,089; Feb. 9.

Del Checcolo, Giuseppe et al. (See Tomei, Gino, assignor.)

Denison, Frederick S., and J. P. Kriechbaum, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner apparatus control mechanism. 2,070,118; Feb. 9.

Dennison Manufacturing Company. (See Flood, Carl A., assignor.)

Derby, Elmer R., Springfield, and G. J. Esselen, Swampscott, assignors to The Fiberloid Corporation, Indian Orchard, Mass. Plastic material and making same. 2,070,331; Feb. 9.

Dick, Hector A., London, England. Table mat. 2,070,423; Feb. 9.

Dickson, Robert C., Bicknoller, near Taunton, England. Pruning and like shears. 2,070,225; Feb. 9.

Dictaphone Corporation. (See Renholdt, John E., assignor.)

Diem, Hans, assignor to the firm Edouard Dubied & Cie., Société Anonyme, Neuchatel, Switzerland. Stitched fabric. 2,069,819; Feb. 9.

Diemer, Kool, Alexander A., Aerdenhout, Netherlands. Implement for conditioning lawns. 2,069,958; Feb. 9.

Dietzel, Hugo O., et al. (See Leidgen, Nicholas C., assignor.)

Dinhofer, Julius, New York, N. Y. Gem setting. 2,070,157; Feb. 9.

Ditmars, John R. (See van der Meulen, Peter A., assignor.)

Dix, Howard W., et al. (See De Bats, Jean H. L., assignor.)

Dixon, Fred S., Pomona, Calif. Sanitary rolling pin cover. 2,070,199; Feb. 9.

Dodge, Adiel Y., South Bend, Ind. Sterilizing process. 2,069,820; Feb. 9.

Doherty Research Company. (See Saathoff, George W., assignor.)

Dom, Chesley, Pleasant Ridge, and W. J. Moeller, Mt. Healthy, Ohio, assignors to The Philip Carey Manufacturing Company, Spring nut. 2,070,005; Feb. 9.

Donaldson Company, Inc. (See Lowther, Wilfred W., assignor.)

Dorr, Oscar S., Three Bridges, N. J., assignor of one-half to M. E. Sparrow, and R. M. Kristal, both of New York, N. Y. Slipper, sandal, and the like. 2,069,752; Feb. 9.

Dorsett, Leonard P., Bethlehem, Pa., assignor to The Standard Electric Time Company, Springfield, Mass. Timing instrument. 2,069,876; Feb. 9.

Doster, Eli E. (See Hoffman, Fred D., assignor.)

Douglas, Harry A., Bronson, Mich. Missile projecting device. 2,069,821; Feb. 9.

Douglas, Harry A., Bronson, Mich. Target structure. 2,069,822; Feb. 9.

Dow Chemical Company, The. (See Coleman, G. H., and Moore, assignors.)

Dow Chemical Company, The. (See Dressel, G. F., and Ross, assignors.)

Dowling, Julia, I., Bridgeport, Conn., and J. L. Lalb, Albany, N. Y. Ear protector. 2,070,332; Feb. 9.

Downey, Bert F. (See Watson, Oliver, assignor.)

Doxford, William & Sons, Limited. (See Keller, Karl O., assignor.)

Dressel, Grayton F., and O. C. Ross, assignors to The Dow Chemical Company, Midland, Mich. Making hydrobromic acid. 2,070,263; Feb. 9.

Dreyfus, Henry, London, England. Treatment of cellulosic materials. 2,069,943; Feb. 9.

Driesen, William M., Clifton, N. J. Waterproofing materials and producing the same. 2,069,823; Feb. 9.

Dubied, Edouard & Cie., Société Anonyme. (See Diem, Hans, assignor.)

Dubiller Condenser Corporation. (See Katzman, Jacob, assignor.)

Duffield, William A., assignor to Juno Corporation, Limited, Montreal, Quebec, Canada. Automatic power transmission. 2,070,262; Feb. 9.

Dufour, René, Paris, France. Spark gap apparatus. 2,070,475; Feb. 9.

Duncan, Charles R., Waukegan, assignor to Oakes Products Corporation, North Chicago, Ill. Making bumper guards. 2,070,424; Feb. 9.

Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Spool. 2,069,944; Feb. 9.

Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Textile roll. 2,069,945; Feb. 9.

Du Pont, E. I. de Nemours & Company. (See Chambers, Ivan F., assignor.)

Du Pont, E. I. de Nemours & Company. (See Heckert, Winfield, W., assignor.)

Du Pont, E. I. de Nemours & Company. (See Heckert, W. W., and Dahlen.)

Du Pont, E. I., de Nemours & Company. (See Heckert, W. W., and Peterson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Lutz, George, assignor.)

Du Pont, E. I., de Nemours & Company. (See Reid, Ebenezer E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Schulze, Ferdinand, assignor.)

Du Pont, E. I., de Nemours & Company. (See Ubben, Richard T., assignor.)

Durham, Baltis A., Nutley, N. J. Switch. 2,069,946; Feb. 9.

Durham, Hobart N. (See Morgan, J. D., and Durham.)

Dymock, John B. (See Joshua, W. P., Stanley, Fuchs, Querfurth, and Dymock.)

Easter, Harry C., Kansas City, Mo. Combination strainer and valve. 2,070,395; Feb. 9.

Eastern Malleable Iron Company, The. (See Hennicke, Carl R., assignor.)

Eastman Kodak Company. (See Bear, Stephen M., assignor.)

Eastman Kodak Company. (See Malm, C. J., and Nadeau, assignors.)

Eastman Kodak Company. (See McNally, J. G., and Schmitt, assignors.)

Eastman Kodak Company. (See Nagel, August, assignor.)

Eastman Kodak Company. (See Reid, Marvin J., assignor.)

Eastman Kodak Company. (See Stewart, Donald H., assignor.)

Eastman Kodak Company. (See Stone, H. G., and Childs, assignors.)

Eastman Kodak Company. (See Tuttle, Fordyce E., assignor.)

Eaton, Bruce G. Jr., and H. A. Sutton, Buffalo, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation. Wing spoiler. 2,070,006; Feb. 9.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Circuit controlling device. 2,070,476; Feb. 9.

Eben, Siegfried N. et al. (See Witty, George, assignor.)

Eberhard, Boyd C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Method and apparatus for making inner tubes. 2,070,525; Feb. 9.

Echterling, Waldemar E., Hammond, Ind. Individual wheel suspension mechanism. 2,070,526; Feb. 9.

Eclipse Aviation Corporation. (See Gregg, David, assignor.)

Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)

Edwards and Company. (See Miller, Christian, assignor.)

Edwards, William H., Great Neck, and C. W. Halligan, New York, N. Y., assignors to American Telephone and Telegraph Company. Signaling system. 2,069,915; Feb. 9.

Elsemann Magneto Corporation. (See Kuehn, G. F., and Richroath, assignors.)

Elastic Stop Nut Corporation. (See Swanstrom, Carl A., assignor.)

Elbel, Ernst, and O. Sussenguth, Erkner, near Berlin, Germany, assignors, by mesne assignments, to Bakelite Corporation, New York, N. Y. Preparation of grinding or polishing tools. 2,070,158; Feb. 9.

Electric Storage Battery Company, The. (See Beetem, Frank G., assignor.)

Elioff, Anastas. (See Engel, A. I., and Greenberg, assignors.)

Ellis, Ray C., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Automatic antenna. 2,070,159; Feb. 9.

Elmendorf, Armin, Chicago, Ill., assignor to The Flexwood Company. Flexible wood-faced material. 2,070,527; Feb. 9.

Embardt, John C., Orange, Conn., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Producing a floor covering. 2,069,753; Feb. 9.

Endicott Johnson Corporation. (See Exley, Leo F., assignor.)

Engel, Abraham I., and S. Greenberg, assignors of one-half to Anastas Elioff, Detroit, Mich. Cooking device. 2,069,824; Feb. 9.

Engel, Hilton G., Indianapolis, Ind., assignor to The Four Wheel Drive Auto Company, Clintonville, Wis. Disk plow. 2,070,425; Feb. 9.

English Needle & Fishing Tackle Company, The. (See King, Hubert D., assignor.)

Erie Resistor Corporation. (See Minnium, Byron B., assignor.)

Ernest, Albert, and I. Waldman, Chicago, Ill. Furniture. 2,070,160; Feb. 9.

Ernst, Edward C. (See Ernst, Henry J., assignor.)

Ernst, Henry J., Southgate, assignor of one-half to E. C. Ernst, Newport, Ky. Sewing machine. 2,070,200; Feb. 9.

Erwood, Joseph, assignor to The Webster Company, Chicago, Ill. Sound and projection apparatus. 2,070,226; Feb. 9.

Esselen, Gustavus J. (See Derby, E. R., and Esselen.)

Essers, Jakob, Lank-on-the-Rhine, Germany, assignor to The Buell Combustion Company Limited, London, England. Rotary drum drier. 2,070,227; Feb. 9.

Evans Case Company. (See Gibson, Thomas M., assignor.)

Evans, John, Salt Lake City, Utah. Laundry machinery. 2,070,528; Feb. 9.

Eveleth, Clarence M., River Forest, Ill. Weather strip. 2,069,916; Feb. 9.

Evleth, Earl M., Park Ridge, assignor to The Bastian-Blessing Company, Chicago, Ill. Welding torch. 2,070,396; Feb. 9.

Ex-Cell-O Aircraft & Tool Corporation. (See Alden, Carroll R., assignor.)

Exley, Leo F., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Lift cutting die and process. 2,070,469; Feb. 9.

Exley, Leo F., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Lift cutting machine. 2,070,477; Feb. 9.

Ezykut Tool Corporation, The. (See Wells, Thomas E., assignor.)

Faber, Peter J., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Protective seal for electric batteries. 2,070,426; Feb. 9.

Fairbanks, E. and T., and Company. (See Hadley, H. A., and Gulbrandsen, assignors.)

Fairbanks, Morse & Company. (See Clements, Everett G., assignor.)

Falkenberg, William P., assignor to Rayolite Rifle Range Company, Chicago, Ill. Marksmanship practicing device. 2,070,529; Feb. 9.

Farkas, Samuel F., Fairfield, Conn., and L. B. Hilton, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current regulator. 2,069,825; Feb. 9.

Farnsworth, Ward J., and J. B. Bohland, San Jose, Calif. Dispensing device. 2,070,264; Feb. 9.

Faunce, Benjamin R., Riverside, N. J. Heat extractor. 2,070,427; Feb. 9.

Fehrle, Alfred. (See Streitwolf, Fehrle, and Oesterlein.)

Ferguson, Arthur J., Trustee, et al. (See Gilbert, Riley L., assignor.)

Fiberloid Corporation, The. (See Derby, E. R., and Esselen, assignors.)

Fildes, Frederick K., Altoona, and L. M. Showers, Jr., Juniata, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Shipping container. 2,069,739; Feb. 9.

Finizie, Tomun, Shrub Oak, N. Y. Fruit juice extracting apparatus. 2,069,754; Feb. 9.

Fischer, Ernst, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs insoluble in water. 2,070,119; Feb. 9.

Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Liquid level indicator. 2,069,917; Feb. 9.

Fisher, Henry S., assignor of one-half to A. N. Sohn, Harrisburg, Pa. Arm support. 2,070,397; Feb. 9.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Key decoder. 2,070,228; Feb. 9.

Fix, Arthur J., Buffalo, N. Y. Nut cracking device. 2,069,877; Feb. 9.

Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, Germany, and C. T. Schultis, Bergen, near Hanau-on-the-Main, assignors to General Aniline Works, Inc., New York, N. Y. Monoazo dystuffs. 2,069,740; Feb. 9.

Fleishman, Myron, Bronx, assignor to Louis Marx & Company, New York, N. Y. Toy. 2,070,007; Feb. 9.

Flexwood Company, The. (See Elmendorf, Armin, assignor.)

Flinn, Roland W., Oakland, Calif. Purification of natural deposits. 2,070,161; Feb. 9.

Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Attaching means. 2,069,878; Feb. 9.

Florence-Wehrle Stove Co. (See Pickup, George E., assignor.)

Food Machinery Corporation. (See Cutler, Frank W., assignor.)

Food Machinery Corporation. (See Morse, J. W., and Moore, assignors.)

Ford, Frederick H., assignor to The Shaler Company, Waupun, Wis. Composition fuel. 2,070,428; Feb. 9.

Fortunato, Vincent, and R. A. Catozella, assignors to The Mounting & Finishing Co. Inc., Brooklyn, N. Y. Collapsible sign character. 2,070,478; Feb. 9.

Foster, Frank A., Maywood, assignor to The Goss Printing Press Company, Chicago, Ill. Rotary printing press. 2,070,265; Feb. 9.

Foster, Thomas J., Ridgewood, N. J. Building construction. 2,069,755; Feb. 9.

Foster, Thomas J., Ridgewood, N. J. Building panel. 2,070,479; Feb. 9.

Foster Wheeler Corporation. (See Frisch, Martin, assignor.)

Four Wheel Drive Auto Company, The. (See Engel, Hilton G., assignor.)

Fowler, Theodore V. (See Carter, B. M., Fowler, and Merriam.)

Frank, Paul A., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,069,826; Feb. 9.

Frederickson, Otto A. (See Robinson, W. C., and Frederickson.)

Freeman, Samuel, New York, N. Y. Toaster. 2,070,333; Feb. 9.

Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake control mechanism. 2,070,266; Feb. 9.

Freers, George H. (See Marmon, H. C., and Freers.)

Freund, Edward, Long Beach, N. Y. Beverage cooling apparatus. 2,070,398; Feb. 9.

Frey, Ernst, Chur, Switzerland. Machine for shearing blocks from an extruded column of plastic material. 2,069,947; Feb. 9.

Frey, Ernst, Chur, Switzerland. Clay cutting device. 2,069,948; Feb. 9.

Friedman, David, Donora, Pa. Artificial hand. 2,070,480; Feg. 9.

Friedrich, John L., and F. P. Stockdale, Los Angeles, Calif. Detachable button. 2,070,162; Feb. 9.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Furnace wall construction. 2,070,267; Feb. 9.

Fuchs, Charles A., Hollis, N. Y., and F. Spaloss, Teaneck, N. J., assignors, by mesne assignments, to L. A. Wilczek, New York, N. Y. Positive carbon feeding head. 2,069,879; Feb. 9.

Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,070,008; Feb. 9.

Fuchs, Otto. (See Joshua, W. P., Stanley, Fuchs, Querfurth, and Dymock.)

Fuller Brush Company, The. (See Cave, Henry, assignor.)

Gailliot, Paul L., St. Maur-des-Fosses, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. 3:6-diamino-10-methyl-acridinium methane-sulphonate. 2,070,163; Feb. 9.

Gallagher, Charles A., and C. M. Allen, California, Pa., assignors to General Chemical Company, New York, N. Y. Apparatus for screening ore. 2,070,530; Feb. 9.

Gallagher, Charles A., and C. M. Allen, California, Pa., assignors to General Chemical Company, New York, N. Y. Apparatus for roasting ore. 2,070,531; Feb. 9.

Garber, David S., Hollywood, Calif. Lamp support. 2,070,334; Feb. 9.

Garbsch, Paul. (See Krzikalla, H., and Garbsch.)

Garbutt, Frank A. (See Hatherell, George A., assignor.)

Gardiner, Isaac B., Trenton, N. J. Bathtub. 2,070,120; Feb. 9.

Gathmann, Emil, Baltimore, assignor to Gathmann Research Incorporated, Catonsville, Md. Ingot mold. 2,070,532; Feb. 9.

Gathmann, Emil, Baltimore, assignor to Gathmann Research Incorporated, Catonsville, Md. Ingot mold assembly. 2,070,533; Feb. 9.

Gathmann Research Incorporated. (See Gathmann, Emil, assignor.

Geary, James F., assignor of one-fourth to De Witt Van Evera, Salt Lake City, Utah, and one-fourth to J. W. Van Evera, Crosby City, Minn. Dehydrating pulp. 2,070,201; Feb. 9.

Gegenheimer, William, Brooklyn, assignor to Willard Manufacturing Corporation, New York, N. Y. Stop guide adjustment for printing presses. 2,069,918; Feb. 9.

Geigy, J. R., S. A. (See Bindler, Jakob, assignor.)

Gelbman, Louis and N. L., assignors to Joltcrete Incorporated, Yonkers, N. Y. Block removing device for concrete block machines. 2,069,880; Feb. 9.

Gelbman, Nathan L. (See Gelbman, Louis, and N. L.)

Gem Crib & Cradle Company. (See Neunherz, H. W., and Atwood, assignors.)

General Aniline Works, Inc. (See Fischer, Ernst, assignor.)

General Aniline Works, Inc. (See Fleischhaner, R., and Schultis, assignors.)

General Aniline Works, Inc. (See Hilger, J., Ossenbeck, and Tietze, assignors.)

General Aniline Works, Inc. (See Krzikalla, H., and Garbsch, assignors.)

General Aniline Works, Inc. (See Zerweck, W., and Steiger, assignors.)

General Chemical Company. (See Carter, B. M., Fowler, and Merriam, assignors.)

General Chemical Company. (See Gallagher, C. A., and Allen, assignors.)

General Chemical Company. (See Mullen, Edwin J., assignor.)

General Electric Company. (See Currier, Philip M., assignor.)

General Electric Company. (See Eaton, John, assignor.)

General Electric Company. (See Kjolseth, Ole K., assignor.)

General Electric Company. (See Mittag, Albert H., assignor.)

General Electric Company. (See Morrill, Wayne J., assignor.)

General Electric Company. (See Steenstrup, Christian, assignor.)

General Electric Company. (See Tournier, Herman A., assignor.)

General Electric Company. (See Treanor, Edward D., assignor.)

General Electric Company. (See Westendorp, Willem F., assignor.)

General Electric Company. (See White, William C., assignor.)

General Manganese Corporation. (See Sweet, A. T., and MacCarthy, assignors.)

General Motors Corporation. (See Chase, Frederic L., assignor.)

General Motors Corporation. (See Chisholm, T. L., and Maccabee, assignors.)

General Motors Corporation. (See McCormack, Alex A., assignor.)

General Motors Corporation. (See Nutt, Frank N., assignor.)

General Motors Corporation. (See Pearce, George C., assignor.)

General Motors Corporation. (See Ramsaur, Walter R., assignor.)

General Radio Company. (See Argumbau, Lawrence B., assignor.)

Gentile, Frank T., Brooklyn, N. Y. Detachable lift for shoes. 2,070,229; Feb. 9.

Gibson, Thomas M., assignor to Evans Case Company, North Attleboro, Mass. Lighter. 2,070,121; Feb. 9.

Gilbert Foundation. (See Gilbert, Riley L., assignor.)

Gilbert, Riley L., assignor to R. L. Gilbert, L. L. Davis, Jr., and A. J. Ferguson, as trustees of a common law trust estate entitled The Gilbert Foundation, Chicago, Ill. Emulsification device. 2,070,545; Feb. 9.

Gillander, Hugh E., Jr. (See Rhodes, E. O., and Gillander.)

Gilpin, Garth G., Riverside, Ill. Refrigerating system. 2,070,044; Feb. 9

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway hopper car construction. 2,070,045; Feb. 9.

Gits, Jules P., Chicago, Ill. Key-holder. 2,070,546; Feb. 9.

Gitzen, Cora M., Detroit, Mich. Sewing thimble. 2,070,078; Feb. 9.

Givaudan-Delawanna, Inc. (See St. Pfau, Alexander, assignor.)

Glancy, Alfred R., and W. M. Chamberlin, Plymouth, Mich. Hinging means. 2,069,756; Feb. 9.

Glass, Hugh B., Anniston, Ala., assignor to Swann Research, Incorporated. Dielectric medium. 2,070,268; Feb. 9.

Gleason Works. (See Wildhaber, Ernest, assignor.)

Glidden Company, The. (See Wahlforss, E., Johnson, and Lacy, assignors.)

Gloor, Albert B., and E. A., Hawthorne, N. J., said E. A. Gloor assignor to said A. B. Gloor. Heddle frame. 2,070,164; Feb. 9.

Gloor, Emil A. (See Gloor, Albert B., and E. A.)

Goldberg, Benjamin D., Brooklyn, N. Y. Vacuum cleaner. 2,069,949; Feb. 9.

Goldenberg, Michael, Philadelphia, Pa. Shoe. 2,070,269; Feb. 9.

Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Roll film camera. 2,070,122; Feb. 9.

Goldring, Lillian M., administratrix. (See Goldring, Thomas H.)

Goldring, Thomas H., deceased, Long Island City, N. Y., L. M. Goldring, administratrix of said Thomas H. Goldring, said Goldring and said administratrix assignors of one-half to C. E. Culpeper, Norwalk, Conn., and one-half to C. D. Keith, New York, N. Y. Container and carrier for bottled goods. 2,070,399; Feb. 9.

Goodman, Willard B., Paterson, N. J., assignor to Wright Aeronautical Corporation. Anterior throttle carburetor. 2,070,009; Feb. 9.

Goodrich, B. F., Company, The. (See Maclachlan, Andrew D., assignor.)

Goodrich, B. F., Company, The. (See McGahey, Randolph W., assignor.)

Goodrich, B. F., Company, The. (See Waner, Harry E., assignor.)

Gordon, Arthur, Chicago, Ill. Vacuum breaker trap. 2,070,202; Feb. 9.

Goss Printing Press Company, The. (See Foster, Frank A., assignor.)

Goss Printing Press Company, The. (See Morgan, J. D., and Durham, assignors.)

Gottlieb, Oscar F., Lake Bluff, assignor to Oakes Products Corporation, North Chicago, Ill. Bumper guard. 2,070,429; Feb. 9.

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric toaster with detachable doors. 2,070,534; Feb. 9.

Grant, George W., Bucyrus, Ohio. Bath sponge. 2,070,123; Feb. 9.

Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Door prop. 2,070,046; Feb. 9.

Greenberg, Samuel. (See Engel, A. I., and Greenberg.)

Gregg, David, West Caldwell, assignor to Eclipse Aviation Corporation, East Orange, N. J. Oil pump. 2,080,203; Feb. 9.

Greibach, Emil H., Brooklyn, assignor to Sonotone Corporation, New York, N. Y. Electrical connecter. 2,070,400; Feb. 9.

Greider, Harold W., and J. K. Sherman, Jr., Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Corrugated sheathing. 2,070,401; Feb. 9.

Greppin, Ernest H., Los Angeles, Calif. Surgical lamp. 2,069,950; Feb. 9.

Griffis, Ralph O. (See Hayes, A., and Griffis.)

Griffith, Arthur M., West Caldwell, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Filament section feeding machine. 2,070,165; Feb. 9.

Griffiths, Edgar J., et al. (See Matthews, Percy W., assignor.)

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Soap dish for sinks. 2,070,010; Feb. 9.

Grohn, Henry P., Chicago, Ill., assignor to McClave-Brooks Company, Scranton, Pa. Tile support. 2,070,547; Feb. 9.

Grote, Walter F., Mount Washington, Ohio, assignor to The National Colortype Company, Bellevue, Ky. Light reflecting means. 2,069,881; Feb. 9.

Gruender, Oscar C., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Crushing machine. 2,070,270; Feb. 9.

Guldbrandsen, Guldbrand. (See Hadley, H. A., and Guldbrandsen.)

Gullikson, Adolph, Cheyene, Wyo. Automatic braking device. 2,070,481; Feb. 9.

Gutehoffnungshütte Oberhausen Aktiengesellschaft. (See Winckler, Arnold, assignor.)

Gwyn, Childress B., Jr., assignor, by mense assignments, to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical contact. 2,070,271; Feb. 9.

Hadley, Harlan A., and G. Guldbrandsen, assignors to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Recording scale. 2,070,011; Feb. 9.

Hall, Walter, assignor of one-half to J. M. O'Meara, Los Angeles, Calif. Multiple power wrench. 2,069,882; Feb. 9.

Halligan, Clair W. (See Edwards, W. H., and Halligan.)

Hallinan, William W., assignor to Skinner & Orr Engineering Company, Seattle, Wash. Oil burner. 2,070,357; Feb. 9.

Halloran, Ralph A., and A. L. Stront, Berkeley, Calif., assignors, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Decomposing relatively high boiling point oils into relatively low boiling point oils. 2,070,124; Feb. 9.

Hamant, Edward W. (See von Webern, G., and Hamant.)

Hamilton, Alexander K. (See Mikaelson, E. W., and Hamilton.)

Hampton Company. (See McConnell, Thomas, assignor.)

Hancock, Roy S., Kenvil, N. J., and A. Langmeier, Wilmington, assignors to Hercules Powder Company, Wilmington, Del. Apparatus for refining rosin. 2,070,125; Feb. 9.

Hansen, Earl J., assignor to The Cleveland Heater Company, Cleveland, Ohio. Water heater. 2,070,535; Feb. 9.

Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Weighing scale. 2,069,757; Feb. 9.

Hanson Scale Company. (See Hansen, Marius H., assignor.)

Happel, Paul. (See Rosenberg, E., and Happel.)

Hardacre, Richard W., and A. Wormald, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Printing process. 2,069,919; Feb. 9.

Harder, Oscar E., and J. D. Sullivan, assignors to Battelle Memorial Institute, Columbus, Ohio. Enameled product and making the same. 2,070,272; Feb. 9.

Harrison, Charles F. R., Selley Oak, Birmingham, and A. E. Wallis, Clydach, England, assignors to The International Nickel Company Inc., New York, N. Y. Manufacture of nickel carbonyl. 2,080,079; Feb. 9.

Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Furnace tuyère. 2,070,166; Feb. 9.

Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Record clamping means. 2,069,827; Feb. 9.

Harroun, Ray W., Detroit, Mich., assignor to Aero-Style Corporation, Indianapolis, Ind. Wheel guard. 2,070,230; Feb. 9.

Hart, Merrill C., assignor to The Upjohn Company, Kalamazoo, Mich. Germicidal preparation. 2,070,080; Feb. 9.

Hartmann, August. (See Bartunek, R. Hartmann, Stoeckly, and Uytenbogaart.)

Hastings, Arthur C., Jr., Augusta, Maine. Spark plug. 2,069,951; Feb. 9.

Hastings, Harold P. (See Bissell, C. H., and Hastings.)

Hatherell, George A., Burbank, assignor to F. A. Garbutt, Los Angeles, Calif. Purifying resinous material suitable for use in chewing gum. 2,070,047; Feb. 9.

Haughey, Theodore P., Onancock, Va., assignor to Harold H. Brown, New York, N. Y. Treating vegetable fibers. 2,070,273; Feb. 9.

Hauptli, Herbert A., Evanston, assignor to Sears, Roebuck and Co., Chicago, Ill. Printing ink. 2,069,828; Feb. 9.

Hawkins, Luty, Mount Vernon, Ill. Electrical heating device. 2,070,482; Feb. 9.

Hayes, Anson, and R. O. Griffis, assignors to The American Rolling Mill Company, Middletown, Ohio. Ferrous metal and producing same. 2,069,758; Feb. 9.

Hayes Industries, Inc. (See Cary, B. B., and Hollerith, assignors.)

Heckert, Winfield W., Ardentown, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structures. 2,069,801; Feb. 9.

Heckert, Winfield W., Ardentown, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structures. 2,069,803; Feb. 9.

Heckert, Winfield W., Ardentown, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic material and making same. 2,069,804; Feb. 9.

Heckert, Winfield W., Ardentown, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structures and producing same. 2,069,805; Feb. 9.

Heckert, Winfield W., Ardentown, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic products and preparing same. 2,069,806; Feb. 9.

Heckert, Winfield W., Ardentown, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic substances and preparing same. 2,069,807; Feb. 9.

Heckert, Winfield W., Ardentown, and M. A. Dahlen, Wilmington, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structures. 2,069,800; Feb. 9.

Heckert, Winfield, W., Ardentown, and W. R. Peterson, Carrcroft, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structure. 2,069,802; Feb. 9.

Heinze, William A., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Grease retainer with oil splasher. 2,070,126; Feb. 9.

Hella, Roy P. (See Pascoe, T. A., and Hella.)

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,069,829; Feb. 9.

Henderson, Russell S., Morristown, assignor to Weldon Roberts Rubber Co., Newark, N. J. Composite eraser. 2,070,048; Feb. 9.

Hengstenberg, Hugh H., Cincinnati, Ohio. Plaster cast cutting means. 2,070,358; Feb. 9.

Heninger, Chalmer L. (See Schueler, J. L., and Heninger.)

Hennicke, Carl R., Cleveland, Ohio, assignor, by mesne assignments, to The Eastern Malleable Iron Company, Naugatuck, Conn. Lock for the door of a refrigerator truck or car. 2,069,883; Feb. 9.

Henry, Raymond, Rock Island, Ill. Bearing support. 2,070,081; Feb. 9.

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Hercules Powder Company. (See Hancock, R. S., and Langmeier, assignors.)

Hercules Powder Company. (See Pickett, Oscar A., assignor.)

Herschman, Harry C., Wheaton, Ill. Pinking machine. 2,070,402; Feb. 9.

Hershman, Joseph P., Nottingham, England. Ear fitting for excluding water or diminishing sound. 2,070,403; Feb. 9.

Hetzer, Russell A., Madeira, assignor to The American Laundry Machinery Company, Norwood, Ohio. Liquid seal vent. 2,070,204; Feb. 9.

Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Manufacture of window envelopes. 2,070,205; Feb. 9.

Hickey, George E., Sacramento, Calif. Utility light. 2,070,548; Feb. 9.

Hiers, Glen S., Bala-Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Porous coated pile fabric. 2,070,335; Feb. 9.

Hile, Leslie M., Benton Harbor, Mich. Shipping container cover fastener. 2,070,274; Feb. 9.

Hiles, LeRoy V., London, Ontario, Canada. Metatarsal arch support. 2,070,404; Feb. 9.

Hilger, Josef, Leverkusen-Wiesdorf, A. Ossenbeck, Cologne-Mulheim, and E. Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing compounds of the thiourea series. 2,070,127; Feb. 9.

Hillers, Carl E., assignor to Blue Ridge Slate Corporation, Charlottesville, Va. Colored granule. 2,070,359; Feb. 9.

Hillman, Ernest C., Los Angeles, Calif, assignor to Hillman-Thorpe Company. Tray moving device for ovens. 2,070,049; Feb. 9.

Hillman-Thorpe Company. (See Hillman, Ernest C., assignor.)

Hilton, Linwood B. (See Farkas, S. F., and Hilton.)

Hinde and Dauch Paper Company, The. (See Clark, Lynn, J., assignor.)

Hirschberg, Charles A., Mountain Lakes, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Traveling gantry. 2,069,830; Feb. 9.

Hirschman, Frederick A., and H. J. Hirschman, Rock Hill Village, Webster Groves, Mo. Brake. 2,069,831; Feb. 9.

Hirschman, Harry J. (See Hirschman, Frederick A., and H. J.)

Hoar, Stedman B., Newport Beach, assignor to Natural Food Products Company, Orange, Calif. Vacuum filling machine. 2,070,302; Feb. 9.

Hoecker, Albert C., St. Louis, Mo. Bumper carried lifting jack for automobiles. 2,070,050; Feb. 9.

Hoffman, Fred D., assignor of one-fourth to E. E. Doster, Cleveland, Ohio. Fuel burning and recuperating device. 2,070,536; Feb. 9.

Hoffman, Roscoe C., Detroit, Mich. Wheel. 2,069,952; Feb. 9.

Hofstetter, Clarence F., U. S. A. Missoula, Mont. Practice bomb. 2,069,759; Feb. 9.

Holdaway, Vivian L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,069,832; Feb. 9.

Hollerith, Charles. (See Cary, B. B., and Hollerith.)

Holzach, Karl and F. Lange, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Colored salts of organic ammonia derivatives and acid derivatives of nitrated anilines. 2,070,275; Feb. 9.

Hoover, Charles E., Lancaster, Pa. Battery post and cable connection. 2,070,336; Feb. 9.

Hopkins, Richard M., Rutherford, N. J. Enclosure protecting alarm. 2,069,953; Feb. 9.

Hoppmann, Alfred A., Chicago, Ill. Chart board. 2,070,431; Feb. 9.

Horak, Franz, Zurich, Switzerland. Kettle drum. 2,070,082; Feb. 9.

Horn, Ernst. (See Carl, Ludwig, assignor.)

Horner, William C., South River, assignor, by direct and mesne assignments of one-third to G. D. Hutchinson, and one-third to T. Milton Matlack, Jamesburg, N. J. Dishwasher. 2,069,833; Feb. 9.

Houde Engineering Corporation. (See Mitchell, Courtney N., assignor.)

Houde Engineering Corporation. (See Sandberg, Ray A., assignor.)

Hough, Harold E., Fairmont, W. Va. Apparatus for cementing wells. 2,070,303; Feb. 9.

Hougland, Albert C., assignor to Crane Company of Minnesota, St. Paul, Minn. Combination brake and clutch for churns and the like. 2,069,741; Feb. 9.

Hudson, Charles J., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel and balancing the same. 2,070,360; Feb. 9.

Hudson, Joseph E., Baker, Oreg. Method of and apparatus for supplying ink to printing presses. 2,070,206; Feb. 9.

Hueber, Carl J., Cleveland Heights, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,070,549; Feb. 9.

Huebscher, John J., assignor to Zone-O-Trol Corporation of America, Inc., Minneapolis, Minn. Speed control system for automotive vehicles. 2,070,432; Feb. 9.

Hueller, Walter, West New York, N. J. Embroidered fabric. 2,069,760; Feb. 9.

Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Cushioned trunnion joint. 2,070,051; Feb. 9.

Hughes-Mitchell Processes, Incorporated. (See Mitchell, Thomas A., assignor.)

Huismann, Johann, and H. Schweitzer, Wiesdorf, near Cologne-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. New condensation products and preparing same. 2,070,207; Feb. 9.

Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Harvester. 2,070,083; Feb. 9.

Hume-Love Company. (See Hume, H. D., and Love, assignors.)

Hunt, Wayne H. (See Murray, L. A., and Hunt.)

Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Double apron festoon drier. 2,070,483; Feb. 9.

Hutchinson, George D., et al. (See Horner, William C., assignor.)

Hyde, John T., Oak Park, Ill. Heater. 2,069,761; Feb. 9.

I. G. Farbenindustrie Aktiengesellschaft. (See Holzach, K., and Lange, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Huismann, J., and Schweitzer, assignors.)

Iddings, Carl, Kew Gardens, N. Y. Making liquid sprays. 2,070,167; Feb. 9.

Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)

Imperial Chemical Industries Limited. (See Hardacre, R. W., and Wormald, assignors.)

Imperial Chemical Industries Limited. (See Knight, Arthur H., assignor.)

Imperial Chemical Industries Limited. (See Mendoza, Mordecai, assignor.)

Imperial Chemical Industries Limited. (See Rosser, R. J., and Swann, assignors.)

Ingersoll-Rand Company. (See Miller, Frank, assignor.)

International Milling Company. (See Cecka, Thomas G., assignor.)

International Nickel Company Inc., The. (See Harrison, C. F. R., and Wallis, assignors.)

International Patents Development Company. (See Bruce, Thomas A., assignor.)

International Vibrator Company, The. (See Day, William P., assignor.)

Ireland, Murray, Minneapolis, Minn., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill. Automatic toaster. 2,070,128; Feb. 9.

Ireland, Murray, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill. Toaster casing. 2,070,129; Feb. 9.

Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Outboard motor. 2,070,405; Feb. 9.

Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Reversible outboard motor. 2,070,406; Feb. 9.

Jabouley, Joanny, and R. Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America. Stop motion for circular looms. 2,069,954; Feb. 9.

Jackson, George P., Flushing, and F. H. Rosencrants, Scarsdale, assignors to Combustion Engineering Company, Inc., New York, N. Y. Slagging boiler furnace. 2,069,834; Feb. 9.

Jackson, Richard R., assignor of one-half to A. M. Knapp, Baltimore, Md. Heat gatherer and deflector for motor vehicles. 2,069,955; Feb. 9.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Padlock. 2,070,012; Feb. 9.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,070,052; Feb. 9.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,070,276; Feb. 9.

Jaeger, Alphons O., Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Motor fuel. 2,070,304; Feb. 9.

Jameson, Ronald P., Christchurch, New Zealand. Thermostat. 2,070,433; Feb. 9.

Jansen, Edward G., Sheboygan, Wis. Preparing food product. 2,069,884; Feb. 9.

Jeffreys, Bryan, Toledo, Ohio. Case making machine. 2,069,885; Feb. 9.

Jennings, Oliver S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,070,305; Feb. 9.

Johnson, Alex, Milwaukee, Wis., assignor of one-half to W. H. Schmidt, Wauwatosa, Wis. Cushion drive starter attachment. 2,070,277; Feb. 9.

Johnson, Carl L. (See Wahlforss, E., Johnson, and Lacy.)

Johnson, Emil, et al. (See Lehman, Dwight L., assignor.)

Johnson, J. W. Company. (See Staab, Nicholas, assignor.)

Johnson, John A., Woodhaven, N. Y. Apparatus for feeding receptacle closure caps. 2,069,762; Feb. 9.

Johnson Matthey & Company Limited. (See Powell, A. R., and Box, assignors.)

Johnson, Smith M., Middlefield, Ohio. Highway flare. 2,070,053; Feb. 9.

Johnson, Warren B., Lubbock, Tex. Shingle. 2,070,130; Feb. 9.

Jolterete Incorporated. (See Gelbman, Louis and N. L., assignors.)

Jones, Jesse L. (See Henry, Charles C., assignor.)

Jones, Nelson M., Sarasota, Fla. Beach accessory. 2,070,484; Feb. 9.

Jones, W. Bartlett, Chicago, Ill., assignor to Cellovis, Inc., Wilmington, Del. Manufacture of partially soluble felted fibrous articles. 2,069,763; Feb. 9.

Joshua, Walter P., London, H. M. Stanley, Great Bookham, England, O. Fuchs, Frankfort-on-the-Main, and W. Querfurth, Mainz-Mombach, Germany, and J. B. Dymock, Cheam, England. Manufacture of condensation products from aliphatic aldehydes. 2,070,131; Feb. 9.

Joslin, Lawrence S., Braintree, Mass. Rotary parking unit. 2,069,886; Feb. 9.

Joyce, Francis J. (See Upperco, I. M., and Joyce.)

Juno Corporation Limited. (See Duffield, William A., assignor.)

Kamm, Richard, Chicago, Ill. Electric flash sign. 2,070,132; Feb. 9.

Kangas, William, Hibbing, Minn. Antiglare visor for rear view mirrors. 2,070,434; Feb. 9.

Katona, Alexander, assignor, by mesne assignments, to Meeka Laboratories, Inc., Philadelphia, Pa. Acid container. 2,070,231; Feb. 9.

Katzman, Jacob, Brooklyn, assignor to Dubilier Condenser Corporation, New York, N. Y. Electric condenser. 2,070,435; Feb. 9.

Keighley, Charles P., Pitman, N. J. Safety razor. 2,069,920; Feb. 9.

Keith, Claude D., et al. (See Goldring, Thomas H., assignor.)

Keith, Claude D., New York, N. Y., assignor of one-half to Charles E. Culpeper, Norwalk, Conn. Fastening means for abutting flaps of flexible carriers or cartons. 2,069,742; Feb. 9.

Keller, Arthur C., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coating apparatus. 2,069,835; Feb. 9.

Keller, Karl O., assignor to William Doxford & Sons, Limited, Sunderland, England. Welded fabricated structural member. 2,070,306; Feb. 9.

Kelley, Cornelius M., Raleigh, N. C. Boiler. 2,069,956; Feb. 9.

Kelly, Eugene J., Kalamazoo, Mich. Printing ink. 2,070,278; Feb. 9.

Kelly, George L., Augusta, Ga. Automobile glare shield. 2,070,208; Feb. 9.

Kennedy, Ausbie L., Niota, Tenn. Terracer. 2,070,436; Feb. 9.

Kerr, Arthur N., Los Angeles, Calif., assignor to Phillips Petroleum Company, Bartlesville, Okla. Storing and burning combustible mixtures. 2,070,209; Feb. 9.

Key Company. (See Key, Frederick E., assignor.)

Key, Frederick E., St. Louis, Mo., assignor to Key Company, Tube connecting device. 2,070,084; Feb. 9.

Keyes, Harmon E., Miami, Ariz. Flotation of cement copper. 2,070,133; Feb. 9.

Keyes, Harmon E., Miami, Ariz. Preparation and use of iron as a precipitant. 2,070,134; Feb. 9.

Killman, Thomas A., Nashville, Tenn., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo. Can opener. 2,070,279; Feb. 9.

King, George D., assignor to United States Gypsum Company, Chicago, Ill. Core composition for plaster board. 2,070,551; Feb. 9.

King, Hubert D., Studley, England, assignor to The English Need & Fishing Tackle Company, Limited. Apparatus for the storage and display of goods. 2,070,168; Feb. 9.

Kinnear Mfg. Company, The. (See McCloud, Edward H., assignor.)

Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Center bearing. 2,070,437; Feb. 9.

Klein, Hugo, Brooklyn, N. Y. Tray. 2,069,957; Feb. 9.

Klemm, Willi, Neustadt-on-the-Orla, Germany. Wire loom with weft grab bars. 2,070,361; Feb. 9.

Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Spring suspension. 2,069,764; Feb. 9.

Knapp, Alexander M. (See Jackson, Richard R., assignor.)

Knauber, Alexander M., Oak Park, Ill. Sign. 2,070,407; Feb. 9.

Knight, Arthur H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Monoazo dyestuffs and their production. 2,069,836; Feb. 9.

Knoop, William A., Hemstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,069,838; Feb. 9.

Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Automatic gain control circuits. 2,069,837; Feb. 9.

Koppers Company. (See Rhodes, E. O. and Gillander, assignors.)

Koppers Company. (See Swanberg, John H., assignor.)

Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Mis. Stereotype mold. 2,070,438; Feb. 9.

Kramer, Otto L., Los Angeles, Calif. Furniture web suspension plate. 2,070,280; Feb. 9.

Krannak, Steven J., assignor to Min-A-Max Co., Inc., Minneapolis, Minn. Lubricating apparatus. 2,070,013; Feb. 9.

Krell, George, et al. (See Anthony, Jack, assignor.)

Kreutz, Willy, Duren, Rhineland, assignor to F. Schüll, Duren, Germany. Making chains. 2,070,362; Feb. 9.

Kriechbaum, John P. (See Denison, F. S., and Kriechbaum.)

Kristal, Robert M., et al. (See Dorr, Oscar S., assignor.)

Krzikalla, Hans, and P. Garbsch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and their production. 2,069,743; Feb. 9, 1937.

Kuehn, George F., Jackson Heights, and G. A. Richronth, Brooklyn, assignors to Eisemann Magneto Corporation, New York, N. Y. Flywheel generator. 2,070,485; Feb. 9.

Kuljian, Harry A., Philadelphia, Pa. Liquid level responsive device. 2,069,959; Feb. 9.

Kur, Jack C., Kansas City, Mo. Frost protection for flush tanks. 2,070,363; Feb. 9.

Kurillo, Max, Wash., D. C. Pressure resisting shaft mounting. 2,069,765; Feb. 9.

L. C. L. Corporation, The. (See Woodruf, Graham C., assignor.)

Lacy, George. (See Wahlforss, E., Johnson, and Lacy.)

Laib, Joseph L. (See Dowling, J. I., and Laib.)

Lamac Process Company. (See McClenathan, Roy F., assignor.)

Lange, Fritz. (See Holzach, K., and Lange.)

Langmeier, Arthur. (See Hancock, R. S., and Langmeier.)

La Pointe, Albert A., assignor to The Universal Oil Burner Company, Incorporated, Hartford, Conn. Apparatus for burning liquid fuel. 2,069,960; Feb. 9.

Larsen, Agnew E. (See Pecker, J. S., and Larsen.)

Laudensack, Albert F., assignor to Winchester Repeating Arms Company, New Haven, Conn. Sear-Mechanism for firearms. 2,069,887; Feb. 9.

Laughinghouse, Harry L., Long Beach, Calif. Repairing pumping apparatus in the well. 2,070,135; Feb. 9.

Laws, Walter H. Sr., Hamilton, Ontario, Canada. Horseshoe. 2,069,888; Feb. 9.

Le Compte, Thomas R., Pittsburgh, Pa., assignor to John A. Manning Paper Company, Inc., Green Island, N. Y. Paper manufacture. 2,069,755; Feb. 9.

Legeros, Peter J., Brookings, S. Dak. Deep fat fryer. 2,070,439; Feb. 9.

Leggiadro, Vincent, Portchester, N. Y. Surgical knife. 2,070,281; Feb. 9.

Lehman, Dwight L., assignor of one-third to E. Johnson, and one-third to J. Seeberger, South Bend, Ind. Footrest. 2,070,054; Feb. 9.

Lehmann, Karl A. (See Bornkessel, B., Breitling, Brauer, and Lehmann.)

Leidgen, Nicholas, C., assignor of one-sixth to H. O. Dietzel, and two-thirds to C. M. Buchanan, Detroit, Mich. Portable garment hanger. 2,070,408; Feb. 9.

Lenfant, Louis, assignor to Cartier, Societe Anonyme, Paris, Franc. Pocket lighter. 2,070,232; Feb. 9.

Lenk, Mortimer. (See Rudolf, H. J. G., and Lenk.)

Lenning, Alvar, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,069,839; Feb. 9.

Lenning, Alvar, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,069,840; Feb. 9.

Lesage, Alfred, Schweinfurt, Germany. Outboard motor. 2,070,364; Feb. 9.

Leslie Salt Company. (See Buchen, Joseph C., assignor.)

Leventhal, Jacob F., assignor to Leventhal Patents, Inc. New York, N. Y. Optical projection system. 2,070,282; Feb. 9.

Leventhal Patents, Inc. (See Leventhal, Jacob F., assignor.)

Leventis, Peter P. and D. R. Litton, Gastonia, N. C., assignors to said Peter P. Leventis. Electric brake mechanism. 2,070,365; Feb. 9.

Levien, Louis, New York, assignor to C. Michelbacker, Brooklyn, N. Y. Shelf attachment. 2,070,055; Feb. 9.

Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Automatic grinding machine. 2,070,283; Feb. 9.

Lewis-Shepard Company. (See Shepard, F. J., Jr., and Warshaw, assignors.)

Leyen, George W., Denver, Colo. Radio program holder. 2,070,486; Feb. 9.

Lichfield Shirts Limited. (See Barrow, Claude W., assignor.)

Lincoln, Bert H., and E. W. Nelson, assignors, to Continental Oil Company, Ponca City, Okla. Solid lubricants and manufacturing the same. 2,070,014; Feb. 9.

Linn, Holman H., assignor to The Linn Manufacturing Corporation, Morris, N. Y. Track trailer. 2,070,015; Feb. 9.

Linn Manufacturing Corporation, The. (See Linn, Holman, H., asignor.)

Lipton, Sarah, New York, N. Y. Hose supporter. 2,070,016; Feb. 9.

Liss, Samuel A., Philadelphia, Pa., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Cylinder lock. 2,070,233; Feb. 9.

Lissauer, Adolph W., and J. R. Coffey, assignors by mesne assignments, to Louisville Drying Machinery company, Incorporated, Louisville, Ky. Treating distillery slop and feed substance produced thereby. 2,070,284; Feb. 9.

Lissauer, Adolph W., and J. R. Coffey, assignors by mesne assignments, to Louisville Drying Machinery Company, Incorporated, Louisville, Ky. Feed substances derived from distillery slop and producing same. 2,070,285; Feb. 9.

Lissauer, Adolph W., and J. R. Coffey, assignors, by mesne assignments, to Louisville Drying Machinery Company, Incorporated, Louisville, Ky. Treating distillery slop. 2,070,286; Feb. 9.

Litton, Daniel R. (See Leventis, P. P., and Litton.)

Lodge, Alfred L., Boston, assignor of one-half to C. L. Braun, Lowell, Mass. Broom or article of analogous nature. 2,070,169; Feb. 9.

Loeffler, Albert, New York, N. Y. Shoetree and stretcher. 2,070,234; Feb. 9.

Lombardi Knitting Machine Co., Inc. (See Lombardi, Vincent, assignor.)

Lombardi, Vincent, Garden City, assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y. Knitting Machine. 2,070,170; Feb. 9.

Long, Elmer C., Grosse Pointe Park, Mich. Piston for internal combustion motors. 2,070,085; Feb. 9.

Longstreet, Walter H., assignor to Acme Air Appliance Company, Inc., Brookly, N. Y. Air chuck. 2,070,136; Feb. 9.

Loos, Walter, assignor to O. C. Collins, New York, N. Y. Tufting machine. 2,070,287; Feb. 9.

Losito, Vincent, Avondale, Pa. Exterminator and preparing the same. 2,070,056; Feb. 9.

Lothrop, Rex E., Clarendon, Va., and H. S. Paine, Chevy Chase, Md., dedicated to the free use of the Public. Purification of extracted honey. 2,070,171; Feb. 9.

Louisville Drying Machinery Company. (See Lissauer, A. W., and Coffey, assignors.)

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,070,017; Feb. 9.

Love, James E. (See Hume, H. D., and Love.)

Lowell, Read W., Stockton Springs, Maine. Switch 2,070,337; Feb. 9.

Lower, Melvin S., Wadsworth, assignor to The Sun Rubber Company, arberton, Ohio. Rubber doll head and making the same. 2,070,366; Feb. 9.

Lowther, Wilfred W., Minneapolis, Hinn., assignor to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 2,069,889; Feb. 9.

Lutz, George, Rocky River, Ohio, assignor by mesne assignments to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal cleaning. 2,070,487; Feb. 9.

M. J. B. Company. (See Burns, Wilford E., assignor.)

Maccabee, David E. (See Chisholm, T. L., and Maccabee.)

MacCarthy, John D. (See Sweet, A. T., and MacCarthy.)

MacDuff, Stanley I., assignor to I. T. Wood, Chicago, Ill. Work support. 2,069,890; Feb. 9.

Mack, Perry E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Hand operated power driven lawn mower. 2,070,288; Feb. 9.

Mackilbank, Benjamin, Brooklyn, N. Y. Detachable handle for receptacles. 2,070,367; Feb. 9.

Maclachlan, Andrew D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hose. 2,069,891; Feb. 9.

Maddin, Arthur B., Tulsa, Okla. Hydraulic brake. 2,070,440; Feb. 9.

Madison-Kipp Corporation. (See Korsmo, Torbjorn C., assignor.)

Mallory, P. R., & Co. (See Gwyn, Childress B., Jr., assignor.)
Malm, Carl J., and G. F. Nadeau, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Analyzing mixed organic acid esters of cellulose. 2,069,892; Feb. 9.
Mancha Storage Battery Locomotive Company. (See Stoltz, Charles E., assignor.)
Mandle, Earle R., Seattle, Wash. Air-conditioning system. 2,070,057; Feb. 9.
Manet, William. (See Claude, A., and Manet.)
Manning, John A., Paper Company. (See Le Compte, Thomas R., assignor.)
Mantelet & Boucher (Societe en nom Collectif). (See Mantelet, Jean, assignor.)
Mantelet, Jean, assignor to Mantelet & Boucher (Societe en nom Collectif), Bagnolet, France. Masher. 2,070,137; Feb. 9.
Marchi, Alfredo P., et al. (See Tomei, Gino, assignor.)
Marhoff, Chester-rfield G., assignor to The Cudahy Packing Company, Chicago, Ill. Soap dispenser. 2,070,338; Feb. 9.
Markworth, Ernst. (See Debuch, C. P., and Markworth.)
Marlow, Harold C., Niles, Mich. Combination sinker and lure. 2,070,514; Feb. 9.
Marmon, Howard C., and G. H. Freers, Indianapolis, Ind.; said Freer assignor to said Marmon. Motor vehicle. 2,070,289; Feb. 9.
Martin, Brian L., Martins, Abinger Common, England. Rotary internal combustion engine. 2,070,138; Feb. 9.
Martin, James, Higher Denham, near Uxbridge, England. Aeroplane. 2,070,086; Feb. 9.
Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Enameling tanks. 2,070,368; Feb. 9.
Martocello, Joseph A., Philadelphia, Pa. Air conditioning apparatus. 2,069,961; Feb. 9.
Marx, Louis, & Company. (See Fleishman, Myron, assignor.)
Mason, Lindsey H., Bala-Cynwyd, Pa. Scouring and bleaching of wool and other animal fiber textile materials. 2,070,210; Feb. 9.
Massonneau, Robert F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Safety device for phonographs. 2,069,841; Feb. 9.
Master Rule Manufacturing Company. (See Carlson, Frederick O., assignor.)
Matlack, T. M., et al. (See Horner, William C., assignor.)
Matthews, Albert T., Thomaston, Ga. Awning. 2,069,893; Feb. 9.
Matthews, Percy W., Pittsburgh, Pa., assignor, by direct and mesne assignments, of thirty-eight one-hundredths to E. J. Griffiths, Pittsburgh, Pa., nineteen one-hundredths to J. F. Brandenburg, Larchmont, N. Y., and five one-hundredths to C. W. Neill, West Englewood, N. J. Flying shear. 2,070,537; Feb. 9.
Mattman, Gustave F., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Clock. 2,069,894; Feb. 9.
McCabe, Edward B. (See Baer, A. H., and McCabe.)
McClave Brooks Company. (See Grohn, Henry P., assignor.)
McClenathan, Roy F., assignor to Lamac Process Company, Erie, Pa. Roughing cutter. 2,070,441; Feb. 9.
McCloud, Edward H., assignor to The Kinnear Mfg. Company, Columbus, Ohio. Operator for roll top doors. 2,070,058; Feb. 9
McConnell, Thomas, Northampton, assignor to Hampton Company, Easthampton, Mass. Apparatus for treating rayon in cake form. 2,070,538; Feb. 9.
McCormack, Alex A., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Compressing apparatus. 2,069,767; Feb. 2.
McCullough, Paul J., assignor to J. Pavelka, St. Louis, Mo. Electric cooking appliance. 2,070,290; Feb. 9.
McDonald, Arnold S., New York, N. Y. Article of headwear. 2,070,442; Feb. 9.
McGahey, Randolph W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Curing poly vinyl halides. 2,070,443; Feb. 9.
McGraw Electric Company. (See Ireland, Murray, assignor.)
McHugh, Charles P., Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Rubber lined pipe coupling. 2,070,291; Feb. 9.
McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Dispensing apparatus for carbonated bottled liquids. 2,070,488; Feb. 9.
McKay Company, The. (See Senft, John, assignor.)
McMichen, Marcus A., Atlanta, Ga. Retarded action hydraulic accelerator. 2,070,489; Feb. 9.
McNair, Frank L., Natural Bridge Station, Va. Clock. 2,070,087; Feb. 9.
McNally, James G., and J. J. Schmitt, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Cellulose organic ester compositions containing ethers of dioxanediol. 2,069,962; Feb. 9.
McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Rotary strainer. 2,069,963; Feb. 9.
Mecklenburger, Jerome W., Winnetka, Ill. Mounting for timepieces. 2,070,018; Feb. 9.
Meeka Laboratories, Inc. (See Katona, Alexander, assignor.)
Mehr, Frederick E., Provo, Utah. Electrical connecter. 2,070,211; Feb. 9.
Melvin, Edward J., Hamilton, Ontario, Canada. Signaling system for vehicles. 2,069,895; Feb. 9.
Mendoza, Mordecai, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Cupriferous azo dyestuffs and their production. 2,070,292; Feb. 9.
Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
Merriam, Henry F. (See Carter, B. M., Fowler, and Merriam.)
Merrick, Frank W., Boston, assignor to American Stay Company, East Boston, Mass. Machine and apparatus for applying stays, bindings, and the like to shoes and other articles. 2,070,019; Feb. 9.
Metal Carbides Corporation, et al. (See De Bats, Jean H. L., assignor.)
Metzgus, Donald G., Los Angeles, Calif. Florist wire dispenser. 2,070,139; Feb. 9.
Michelbacher, Charlotte. (See Levien, Louis, assignor.)
Michelin et Cie. (See Bourdon, Pierre M., assignor.)
Mikaelson, Erik W., Easton, Pa., and A. K. Hamilton, Chicago, Ill., assignors to Treadwell Engineering Company, Easton, Pa. Strip uncoiling machine. 2,070,444; Feb. 9.
Milan, Edward N., assignor to The American Rolling Mill Company, Middletown, Ohio. Annealing cover. 2,069,768; Feb. 9.
Miller, Bert C., Inc. (See Pullman, Joseph C., assignor.)
Miller, Charles, deceased, Long Island City, N. Y., by Ida Gordon Miller, executrix. Shoe and tongue therefor. 2,069,904; Feb. 9.
Miller, Christian, New York, N. Y., assignor to Edwards and Company, Inc. Signaling device. 2,070,020; Feb. 9.
Miller Corsets, Inc. (See Miller, E. H., Jr., Schween, and Crosby, assignors.)
Miller, Edward H., Jr., W. D. Schween, and W. L. Crosby, assignors to Miller Corsets, Inc., Canandaigua, N. Y. Detachable crotch girdle. 2,070,515; Feb. 9.
Miller, Elinor, New York, N. Y. Brassière. 2,070,369; Feb. 9.
Miller, Frank, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Guiding device. 2,070,370; Feb. 9.
Miller, Ida Gordon, executrix. (See Miller, Charles.)
Miller, Max B., & Co. (See Tuttle, Malcolm H., assignor.)
Miller Meters Inc. (See Miller, S. L., and Cook, assignors.)
Miller, Samuel L., Maywood, and R. C. Cook, assignors to Miller Meters Inc., Chicago, Ill. Parking meter. 2,070,445; Feb. 9.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Operating device for coin-actuated machines. 2,070,021; Feb. 9.
Mills Novelty Company. (See Mills, Bert E., assignor.)
Min-A-Max Co. (See Krannak, Steven J., assignor.)
Minden, John N., Oklahoma City, Okla. Advertising cap remover. 2,070,212; Feb. 9.
Miner, W. H., Inc. (See Fuchs, Henry, assignor.)
Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)
Minerals Separation North American Corporation. (See Brown, Earl H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Denison, F. S., and Kriechbaum, assignors.)
Minnium, Byron B., Millcreek Township, Erie County, assignor to Erie Resistor Corporation, Erie, Pa. Combined spark plug and suppressor. 2,070,516; Feb. 9.
Mitchell, Courtney N., Strongsville, Ohio, assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,070,409; Feb. 9.
Mitchell, Thomas A., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Making white lead pigment. 2,070,213; Feb. 9.
Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Thyratron inverter stabilizer. 2,070,446; Feb. 9.
Mocharnuk, John, McCamey, Tex. Cushioning unit for vehicle tires. 2,070,214; Feb. 9.
Moeller, William J. (See Dom, C., and Moeller.)
Montarull, Antonio, Pontiac, Mich. Radio cabinet. 2,070,088; Feb. 9.
Montgomery Ward & Co. (See Faber, Peter J., assignor.)
Moore, Alvin I. (See Morse, J. W., and Moore.)
Moore, Garnett V. (See Coleman, G. H., and Moore.)
Moore, Mark E., Maywood, Ill. Can end inspector. 2,070,339; Feb. 9.
Morehead, French H., assignor, by mesne assignments, to Walworth Patents, Inc., Boston, Mass. Lubricated valve. 2,069,965; Feb. 9.
Morgan, David H., Youngstown, Ohio. Door structure. 2,069,966; Feb. 9.
Morgan, John D., Summit, N. J., and H. N. Durham, Munsey Park, N. Y., assignors to The Goss Printing Press Company, Chicago, Ill. Matrix making machine. 2,070,293; Feb. 9.
Morrell, Jacque C., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,070,294; Feb. 9.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,070,295; Feb. 9.

Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Alternating-current motor. 2,070,447; Feb. 9.
Morse, James W., and A. I. Moore, Lansing, Mich., assignors to Food Machinery Corporation, San Jose, Calif. Automobile brake tester. 2,070,022; Feb. 9.
Mounting & Finishing Co. Inc. (See Fortunato, V., and Catozella, assignors.)
Muchlinski, Arnold. (See Weingand, R., and Muchlinski.)
Muhleisen, Carl, assignor to Schutte & Koerting Company, Philadelphia, Pa. Fin tube. 2,070,539; Feb. 9.
Mullen, Edwin J., New Rochelle, assignor to General Chemical Company, New York, N. Y. Production of sulphur dioxide. 2,070,235; Feb. 9.
Mullen, Edwin J., New Rochelle, assignor to General Chemical Company, New York, N. Y. Method and apparatus for making sulphur dioxide. 2,070,236; Feb. 9.
Mullen, Edwin J., New Rochelle, assignor to General Chemical Company, New York, N. Y. Production of sulphur dioxide. 2,070,237; Feb. 9.
Muncle, Fred W., Jacksonville, Fla., assignor to Wood Chemical Products Company, Cleveland, Ohio. Manufacture of retene and other carbon compounds. 2,069,896; Feb. 9.
Mundy, James M., et al. (See Witty, George, assignor.)
Murray Colour Controls Limited. (See Murray, Guy L., assignor.)
Murray, Guy L., Leeds, England, assignor to Murray Colour Controls Limited, London, England. Machine tool for performing operations on metal or other substances. 2,069,921; Feb. 9.
Murray, Larkin A., and W. H. Hunt, Des Moines, Iowa. Electrical wiring and instrument holding conduit. 2,069,967; Feb. 9.
Nadeau, Gale F. (See Malm, C. J., and Nadeau.)
Nagel, August, Stuttgart, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Focusing self-erecting front camera. 2,069,968; Feb. 9.
Nagy, Berthold, Brooklyn, N. Y. Bottle closure assembling machine. 2,069,897; Feb. 9.
Najarian, Herand K. (See Weaton, G. F., and Najarian.)
Namiki Manufacturing Company, Limited, The. (See Watanabe, Asahi, assignor.)
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Automatic transmission. 2,070,215; Feb. 9.
National Cash Register Co., The. (See Bornkessel, B., Breitling, Brauer, Lehmann, assignors.)
National Colortype Company, The. (See Grote, Walter F., assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
Natural Food Products Company. (See Hoar, Stedman B., assignor.)
Natural Food Products Company. (See Souther, Channing W., assignor.)
Neal, Ernest C., Chicago, Ill. Railway tie puller. 2,069,769; Feb. 9.
Neal, Ernest C., Coquille, Oreg. Tie puller. 2,069,770; Feb. 9.
Neill, Charles W., et al. (See Matthews, Percy W., assignor.)
Nelson, Edwin A., Bridgeport, Conn. Scaffolding ladder. 2,069,969; Feb. 9.
Nelson, Ernest W. (See Lincoln, B. H., and Nelson.)
Nelson, Ray E., Cottage Grove, Oreg. Radio battery cabinet. 2,070,172; Feb. 9.
Nestle-Le Mur Company, The. (See Rohland, Curt J., assignor.)
Neunherz, Herbert W., and G. W. Atwood, assignors to Gem Crib & Cradle Company, Gardner, Mass. Crib side drop. 2,070,090; Feb. 9.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nicholls, Henry J., Minneapolis, Minn., assignor to Sunlite Company, Incorporated. Method and apparatus for treating material with ozone and ultra violet rays. 2,070,307; Feb. 9.
Nicholls, Henry J., Minneapolis, Minn., assignor to Sunlite Company, Incorporated. Making soap particles. 2,070,308; Feb. 9.
Nielsen, John, Denver, Colo. Wrench. 2,069,842; Feb. 9.
Niven, Archie M., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 2,069,843; Feb. 9.
Nordberg Manufacturing Co. (See Gruender, Oscar C., assignor.)
Nordstrom, Sven J., Oakland, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 2,070,490; Feb. 9.
Nork, John C., Mahanoy City, Pa. Broom holder. 2,070,448; Feb. 9.
North American Rayon Corporation. (See Bartunek, R., Hartmann, Stoeckly, and Uytenbogaart.)
Norton Company. (See Hudson, Charles J., assignor.)
Norton Company. (See Van der Pyl, Edward, assignor.)
Nutt, Frank N., Flint, assignor to General Motors Corporation, Detroit, Mich. Engine and oil temperature control system. 2,070,091; Feb. 9.
O. & S. Bearing Company. (See Skillman, N., and Thuner, assignors.)
Oakes Products Corporation. (See Duncan, Charles R., assignor.)
Oakes Products Corporation. (See Gottlieb, Oscar F., assignor.)
Obear-Nester Glass Company. (See Stuckey, Samuel G., assignor.)
O'Bryan, Francis L., deceased, Framingham Center, assignor of one-fourth to J. J. Prindeville, Farmington Center, M. O'Bryan, administratix of said Francis L. O'Bryan. Remote metering and service control apparatus. 2,070,340; Feb. 9.
O'Bryan, Marion, administratrix. (See O'Bryan, Francis L., assignor.)
Oesterlin, Hubert. (See Streitwolf, K., Fehrle, and Oesterlin.)
Ohlsson, Samuel, Wilkinsburg, assignor to R. A. Rundle, Edgewood, Pa. Free piston pneumatic hammer. 2,070,552; Feb. 9.
Older, Clifford, Wilmette, Ill. Expansion joint for concrete pavements and the like. 2,069,898; Feb. 9.
Older, Clifford, Wilmette, Ill. Joint for concrete pavements and the like. 2,069,899; Feb. 9.
Old Town Company, The. (See Chapman, Ralph W., assignor.)
O'Leary, Arthur E. (See O'Leary, Eugene A., assignor.)
O'Leary, Eugene A., assignor to A. E. O'Leary, Holyoke, Mass. Apparatus for dispensing liquids. 2,070,517; Feb. 9.
Oliver United Filters Incorporated. (See Young, Frank W., assignor.)
Ollendorff, Jacques, assignor to Anciens Etablissements R. Cornely & Cie., Societe Anonyme, Paris, France. Embroidery and hemstitching machine. 2,070,449; Feb. 9.
Olsen, Oscar W., Irvington, N. J., assignor to Celluloid Corporation. Embossing or decorating cellulosic plastics. 2,070,023; Feb. 9.
Olson, Eric E., New York, N. Y. Channeling machine. 2,069,922; Feb. 9.
Olson, Eric E., New York, N. Y. Channeling machine. 2,069,923; Feb. 9.
O'Meara, J. Michael. (See Hall, Walter, assignor.)
Opticolor, Aktiengesellschaft. (See Rüntsch, K., and Arni, assignors.)
O'Reilly, Frank L., Winthrop, Mass. Fender for automobiles. 2,070,173; Feb. 9.
Osborn, Alden E., assignor to Simplex Improvements, Inc., New York, N. Y. Attaching members to the interior of hollow articles. 2,070,296; Feb. 9.
Osborne, Raymond S., Sewickley, Pa. Riveting apparatus. 2,070,309; Feb. 9.
Ossenbeck, Anton. (See Hilger, J., Ossenbeck and Tietze.)
Ostler, Ernest S., Park Ridge, assignor to Stromberg Electric Company, Chicago, Ill. Recording mechanism. 2,070,310; Feb. 9.
Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
Oxford Varnish Corporation. (See von Webern, G., and Hamant.)
Paasche, Jens A., Wilmette, Ill. Paint applying machine. 2,069,844; Feb. 9.
Paasche, Jens A., Wilmette, Ill. Coating machine. 2,069,845; Feb. 9.
Pace, George L., Spokane, Wash. Tie rack. 2,070,174; Feb. 9.
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Packer Machine Company, The. (See Sperry, Roger S., assignor.)
Paine, Howard S. (See Lothrop, R. E., and Paine.)
Paper Service Company, The. (See Rowe, William W., assignor.)
Park, Robert H., Pluckemin, N. J. Electric heating system. 2,070,491; Feb. 9.
Parsons Company, The. (See Brown, Frank E., assignor.)
Pascoe, Truman A., and R. P. Hells, Cloquet, Minn., assignors to Cellovis, Inc., Wilmington, Del. Manufacture of felted proofed fibrous materials. 2,069,771; Feb. 9.
Pasinski, Walter J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. 2,070,059; Feb. 9.
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. 2,070,060; Feb. 9.
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. 2,070,061; Feb. 9.
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. 2,070,062; Feb. 9.
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. 2,070,063; Feb. 9.
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash drawer. 2,070,064; Feb. 9.
Paton, Clyde R., Birmingham, assignor to Packard motor Car Company, Detroit, Mich. Motor vehicle frame. 2,069,924; Feb. 9.
Pavelka, Joseph. (See McCullough, Paul J., assignor.)
Pearce, George C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigeration. 2,069,772; Feb. 9.

Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,070,065; Feb. 9.

Pease, John W., Rochester, N. Y. Fruit coring machine. 2,070,311; Feb. 9.

Pecker, Joseph S., Philadelphia, and A. E. Larsen, Huntington Valley, Pa., assignors to Autogiro Company of America, Willow Grove, Pa. Mounting mechanism for rotative aircraft sustaining wings. 2,069,846; Feb. 9.

Penn Electric Switch Co. (See Persons, Lawrence M., assignor.)

Pennsylvania Railroad Company, The. (See Fildes, F. K., and Showers, assignors.)

Pensel, George R., Amsterdam, N. Y. Dyeing leather. 2,069,925; Feb. 9.

Perazzoli, Henry J., Philadelphia, Pa. Grinding device. 2,069,900; Feb. 9.

Perry, James W., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Container closure and making. 2,070,024; Feb. 9.

Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Combination limit switch. 2,070,175; Feb. 9.

Pesterini, Giuseppe M., Sheffield, England. Direct electric generator and transformer and circuit arrangement therefor. 2,070,450; Feb. 9.

Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Winder. 2,070,371; Feb. 9.

Peterson, Carl D., and A. H. Deimel, Toledo, Ohio, assignors to Spicer Manufacturing Corporation. Clutch for transmission gears. 2,070,140; Feb. 9.

Peterson, Harold O. (See Beverage, H. H., and Peterson.)

Peterson, Wesley R. (See Heckert, W. W., and Peterson.)

Pew, Arthur E., Jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Improving the antidetonating quality of gasoline. 2,069,847; Feb. 9.

Phillips, Herman B., New York, N. Y. Automatic clutch control. 2,070,176; Feb. 9.

Phillips, George P., Belmont, Mass. Dental instrument. 2,070,025; Feb. 9.

Phillips Petroleum Company. (See Kerr, Arthur N., assignor.)

Philpott, La Verne R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Facsimile transmission system. 2,070,312; Feb. 9.

Picardi, Michael A., Philadelphia, Pa. Pneumatic tube. 2,070,066; Feb. 9.

Pickett, Oscar A., Kenvil, N. J., assignor to Hecules Powder Company, Wilmington, Del. Dispersing agent. 2,070,177; Feb. 9.

Pickup, George E., assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio. Valve mechanism for gasoline stoves or the like. 2,069,848; Feb. 9.

Pieper, Arthur O., Brighton, N. Y. Cleaning device. 2,070,313; Feb. 9.

Pierce, John B. Foundation. (See Groeniger, William C., assignor.)

Pilla, Lucian E., New York, N. Y. Efficiency graded pattern. 2,070,410; Feb. 9.

Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,070,026; Feb. 9.

Poole, Arthur F., deceased, Ithaca, N. Y., by Maryline B. Poole, administratrix of said Arthur F. Poole, assignor to Maryline B. Poole, Ithaca, N. Y. Electric clock. 2,070,238; Feb. 9.

Poole, Arthur F., deceased, Ithaca, N. Y., by Maryline B. Poole, administratrix of said Arthur F. Poole, assignor to Maryline B. Poole, Ithaca, N. Y. Electric clock. 2,070,239; Feb. 9.

Poole, Jesse V., Abington, assignor to Puritan Manufacturing Company, Boston, Mass. Innersole. 2,070,314; Feb. 9.

Poole, Maryline B., administratrix. (See Poole, Arthur F.)

Pottenger, Francis M. Jr., Monrovia, and J. R. Balsley, La Canada, said Balsley assignor of twelve and one-half per cent to P. Whittier and twelve and one-half to K. Scott, Los Angeles, Calif. Airplane navigating apparatus. 2,070,178; Feb. 9.

Powell, Alan R., and E. R. Rox, assignors to Johnson Matthey & Company Limited, London, England. Hard metal alloy. 2,070,451; Feb. 9.

Powers, Milton A., Detroit, Mich. Pressure regulator. 2,070,411; Feb. 9.

Preston, John E., Newark, N. J. Machine for folding cloth articles. 2,070,297; Feb. 9.

Prindeville, John J. (See O'Bryan, Francis L., assignor.)

Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)

Pryor, Willie L., Waugh, Va. Figure toy. 2,070,452; Feb. 9.

Public, Free use of the. (See Lothrop, R. E., and Paine.)

Pullman, Joseph C., assignor to Bert C. Miller, Inc., New York, N. Y. Resinous coating. 2,070,553; Feb. 9.

Puritan Manufacturing Company. (See Poole, Jesse V., assignor.)

Querfurth, Wilhelm. (See Joshua, W. P., Stanley, Fuchs, Querfnrth, and Dymock.)

Radio Corporation of America. (See Armstrong, Reginald B., assignor.)

Radio Corperation of America. (See Beane, E. A., and Andrews, assignors.)

Radio Corporation of America. (See Beverage, Harold H., assignor.)

Radio Corporation of America. (See Beverage, H. H., and Peterson, assignors.)

Radio Corporation of America. (See Ellis, Ray C., assignor.)

Radio Corporation of America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Schade, Otto H., assignor.)

Radio Corporation of America. (See Yolles, Jacob, assignor.)

Ramsaur, Walter R., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Oil cooling system. 2,070,092; Feb. 9.

Randrup, Benjamin B., Brisbane, Calif. Fuel tank lock. 2,069,901; Feb. 9.

Rantsch, Kurt, Berlin-Teltow-Seehof, Germany, and H. Arni, Berlin-Ruhleben, Germany, assignors to Opticolor, Aktiengesellschaft, Glarus, Switzerland. Device for copying images on lenticulated films. 2,070,179; Feb. 9.

Rawlins, Herbert L., Wilkinsburg, and W. H. Cuttino, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,070,315; Feb. 9.

Raybestos-Manhattan, Inc. (See McHugh, Charles P., assignor.)

Rayolite Rifle Range Company. (See Falkenberg, William P., assignor.)

Read, Robert E., White Plains, N. Y. Packing machine and method of packing. 2,069,926; Feb. 9.

Realistic Permanent Wave Machine Company, The. (See Decker, G., and Spaeth, assignors.)

Recker, Adolph C., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Portable flashlight. 2,070,316; Feb. 9.

Reid, Ebenezer E., Baltimore, Md., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Delustered cellulosic product and preparing same. 2,069,773; Feb. 9.

Reid, Ebenezer E., Baltimore, Md., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Delustered cellulosic structure and preparing same. 2,069,774; Feb. 9.

Reid, Marvin J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Recovery of cellulose organic ester plastic materials. 2,070,027; Feb. 9.

Renault, Louis. (See Saives, Leon, assignor.)

Renholdt, John E., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Phonograph. 2,070,180; Feb. 9.

Revelation Patents Holding Company. (See Stromeyer, Charles F., assignor.)

Revolving Doors, Inc. (See Schwab, Joseph F., assignor.)

Reynolds Wire Co. (See Thompson, Herbert L., assignor.)

Rhodes, Edmund O., Pittsburgh, and H. E. Gillander, Jr., Ingram, Pa., assignors, by mesne assignments, to Koppers Company. Compositions of matter. 2,069,927; Feb. 9.

Rice, Cyrus W., Pittsburgh, Pa. Steam scrubber. 2,070,067; Feb. 9.

Rice, Frank E., assignor to American Tap Bush Company, Detroit, Mich. Regulator mechanism. 2,070,068; Feb. 9.

Rice, Frank E., assignor to American Tap-Bush Company, Detroit, Mich. Tap. 2,070,412; Feb. 9.

Rich, Charles A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Feed collet. 2,069,775; Feb. 9.

Rich, Philip, Houston, Tex. Safety seal and protector for valves. 2,069,849; Feb. 9.

Richroath, George A. (See Kuehn, G. F., and Richroath.)

Richter, Robert H., Chicago, Ill. Refrigerator. 2,069,902; Feb. 9.

Richter, William A., New York, N. Y. Vehicle and accessory therefor. 2,069,970; Feb. 9.

Roberts, Sterling, Birmingham, Ala. Bath cabinet. 2,070,492; Feb. 9.

Robinson, William C., Sewickley, Pa., and O. A. Frederickson, Glen Ridge, N. J. Electric cable. 2,070,141; Feb. 9.

Rodman, Clarence J., Alliance, Ohio. Process and apparatus for purifying liquids. 2,070,453; Feb. 9.

Roe, Charles O., Redondo Beach, Calif. Spiked sandal. 2,070,093; Feb. 9.

Roesen, Oscar C., Eastchester, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Method of and apparatus for splicing webs. 2,070,317; Feb. 9.

Rohland, Curt J., Seekonk, Mass., assignor, by mesne assignments, to The Nestle-Lemur Company, New York, N. Y. Machine and process for making hair waving pads. 2,069,776; Feb. 9.

Rohland, Curt J., Seekonk, Mass., assignor to The Nestle-Le Mur Company. Machine and process for making hair waving pads. 2,069,777; Feb. 9.

Rosa, Anthony, Morgantown, W. Va. Glass mold. 2,070,493; Feb. 9.

Rosenberg, Egon, Berlin, and P. Happel, Hamburg, Germany. Device for radioactive impregnation of materials. 2,069,850; Feb. 9.

Rosenberg, Kurt, Berlin, Germany, assignor, by mesne assignments, to American Epok Inc., New York, N. Y. Incandescent lamp cinematographic apparatus. 2,069,851; Feb. 9.

Rosenberg, Samuel, Milwaukee, Wis. Ear muff. 2,070,216; Feb. 9.

Rosencrants, Fay H. (See Jackson, G. P., and Rosencrants.)

Ross, Otto C. (See Dressel, G. F., and Ross.)

Rosser, Reginald J., and H. Swann, Manchester, England, assignors to Imperial Chemical Industries, Limited. Manufacture of alcohols. 2,070,318; Feb. 9.

Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Plural ply fabric. 2,069,778; Feb. 9.

Ruben, Samuel, New Rochelle, N. Y. Therapeutic compound. 2,070,240; Feb. 9.

Rüdenberg, Reinhold, Berlin-Grunewald, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Apparatus for influencing the character of electron rays. 2,070,319; Feb. 9.

Rudolf, Henry J. G., and M. Lenk, Newton, Mass. Fuel-tank warning device. 2,069,779; Feb. 9.

Rundle, Robert A. (See Ohlsson, Samuel, assignor.)

Runyan, Charles, Great Meadows, N. J. Dirigible trailer. 2,069,928; Feb. 9.

Ruoss, Walter, Batu Caves, Federated Malay State of Selangor. Jig for treating ore-bearing and like material. 2,070,069; Feb. 9.

Rushing, Clyde M., Bozeman, Mont. Automatic traffic signal switch. 2,070,454; Feb. 9.

Ruthenburg, Louis, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Vehicle. 2,069,852; Feb. 9.

Ryan, Marjorie E., San Francisco, Calif. Stencil sheet. 2,070,181; Feb. 9.

S. & S. Corrugated Paper Machinery Co. (See Ungar, Gustave A., assignor.)

Saathoff, George W., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Steam generator. 2,070,182; Feb. 9.

St. Clair, Wilbur F., assignor to Celluloid Corporation, Newark, N. J. Thermoplastic product and forming same. 2,070,242; Feb. 9.

St. Joseph Lead Company. (See Weaton, G. F., and Najarian, assignors.)

St. Pfau, Alexander, Geneva, Switzerland, assignor to Givaudan-Delawanna, Inc., New York, N. Y. x-alkylidene and x-alkyl cyclopentanone. 2,069,861; Feb. 9.

Saives, Léon, assignor to L. Renault, Billancourt, France. Drive mechanism for motor vehicles. 2,070,341; Feb. 9.

Samuel, Samuel, Worcester, Mass. Safety razor. 2,070,028; Feb. 9.

Sandberg, Ray A., Waukegan, Ill., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,070,413; Feb. 9.

Sanders, Thomas F. (See Chevallier, A. L., and Sanders.)

Scanlan, Raymond J., et al. (See Witty, George, assignor.)

Schade, Otto H., West Orange, N. J., assignor to Radio Corporation of America. Tone compensated volume control circuit. 2,069,853; Feb. 9.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Automatic noise suppressor circuit. 2,069,854; Feb. 9.

Schauer, Lawrence L., Wyoming, and A. M. Sosa, Cincinnati, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Sleeveless motion reverser. 2,070,372; Feb. 9.

Schen Products Company Limited, et al. (See Schen, William C., assignor.)

Schen, William C., Upland, assignor of one-half to Schen Products Company Limited, Upland, and one-half to California Orchard Heater Company, Los Angeles, Calif. Orchard heater. 2,070,142; Feb. 9.

Schisler, Charles F., Nanticoke, Pa. Hose clamp. 2,070,143; Feb. 9.

Schjolin, Eric O., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Oil and engine cooling system. 2,070,094; Feb. 9.

Schmidt, William H. (See Johnson, Alex, assignor.)

Schmitt, John J. (See McNally, J. G., and Schmitt.)

Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Manufacture or treatment of yarns or filaments. 2,069,971; Feb. 9.

Schneider, Julius, Munich, Germany. Apparatus for making folds in type strips used for casting bars of printers' type. 2,070,183; Feb. 9.

Schneider, Julius, Munich, Germany. Type-casting machine. 2,070,184; Feb. 9.

Schnell, Steve, Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Vertical master cylinder. 2,070,298; Feb. 9.

Schroeder, Fred H., Tacoma, Wash. Salmon lure. 2,069,972; Feb. 9.

Schueler, Julian L., and C. L. Heninger, assignors to Continental Steel Corporation, Kokomo, Ind. Treating galvanized coatings. 2,070,554; Feb. 9.

Schüll, Felix. (See Kreutz, Willy, assignor.)

Schultis, Carl T. (See Fleischhauer, R., and Schultis.)

Schultz, Walter J., Galt, Ontario, Canada. Safety attachment for a straight razor. 2,069,973; Feb. 9.

Schulze, Ferdinand, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Ponts de Nemours & Company, Wilmington, Del. Cellulose esters and preparing them. 2,069,974; Feb. 9.

Schutte & Koerting Company. (See Muhleisen, Carl, assignor.)

Schwab, Joseph F., Brooklyn, assignor to Revolving Doors, Inc., New York, N. Y. Weather strip. 2,070,373; Feb. 9.

Schwartz, Nathan, New York, N. Y. Filter type respirator. 2,070,241; Feb. 9.

Schween, William D. (See Miller, E. H., Jr., Schween, and Crosby.)

Schweitzer, Hugo. (See Huismann, J., and Schweitzer.)

Sciaky, David, Paris, France. Electric spot welding arrangement. 2,069,975; Feb. 9.

Scott, Keith, et al. (See Pottenger, F. M., Jr., and Balsley, assignor.)

Seaman, Charles, Jamaica Estates, Long Island, N. Y. Shirring device. 2,069,855; Feb. 9.

Seaman, Charles, Jamaica Estates, Long Island, N. Y. Ruching device. 2,069,856; Feb. 9.

Sears, Roebuck, and Co. (See Hauptli, Herbert A., assignor.)

Seeberger, Julius, et al. (See Lehman, Dwight L., assignor.)

Seger, William E., Lacy, S. Dak. Tool. 2,070,217; Feb. 9.

Sehon, John O., Holliday, Tex. Wrench. 2,069,976; Feb. 9.

Seil, Gilbert E., Cynwyd, Pa., assignor, by mesne assignments, to Buffalo Electric Furnace Corporation, Buffalo, N. Y. Making reagents for metal alloys. 2,070,185; Feb. 9.

Seil, Gilbert E., Cynwyd, Pa., assignor, by mesne assignments, to Buffalo Electric Furnace Corporation, Buffalo, N. Y. Metal alloys and making the same. 2,070,186; Feb. 9.

Senft, John, York, assignor to The McKay Company, Pittsburgh, Pa. Tire chain. 2,070,187; Feb. 9.

Servel, Inc. (See Andersson, Sven W. E., assignor.)

Servel, Inc. (See Lenning, Alvar, assignor.)

Servel, Inc. (See Ruthenburg, Louis, assignor.)

Servel, Inc. (See Shagaloff, Harry C., assignor.)

Servel, Inc. (See Taylor, R. S., and Shagaloff, assignors.)

Servel, Inc. (See Ullstrand, Hugo M., assignor.)

Severy, Victor H., Los Angeles, Calif., assignor, by mesne assignments, to Creative Industries, Inc. Multifrequency generator. 2,069,780; Feb. 9.

Shagaloff, Harry C. (See Taylor, R. S., and Shagaloff.)

Shagaloff, Harry C., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Liquid fuel burner. 2,069,857; Feb. 9.

Shaler Company, The. (See Ford, Frederick H., assignor.)

Shepard, Frederick J., Jr., West Newton, and N. Warshaw, Mattapan, assignors to Lewis-Shepard Company, Watertown, Mass. Floor truck. 2,070,095; Feb. 9.

Sherman, John K. (See Greider, H. W., and Sherman.)

Sherwood, Carroll P., Camden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Flow meter. 2,070,374; Feb. 9.

Sherwood, Carroll P., Camden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Flow meter. 2,070,375; Feb. 9.

Sherwood, Carroll P., Camden, N. J., assignor to American Gasaccumulator Company. Circuit control device. 2,070,376; Feb. 9.

Shields, William D., Edgeworth, assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa. Extensometer. 2,070,320; Feb. 9.

Showers, Lewis M., Jr. (See Fildes, F. K., and Showers.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Rüdenberg, Reinhold, assignor.)

Sievers, Otto. (See Banda, L., and Sievers.)

Simmons, Elta, New York, N. Y. Bottle closure. 2,070,377; Feb. 9.

Simplex Improvements, Inc. (See Osborn, Alden E., assignor.)

Singer Manufacturing Company, The. (See Spaine, Edward P., assignor.)

Skillman, Newton, and R. Thuner, assignors to O. & S. Bearing Company, Detroit, Mich. Bearing unit. 2,069,781; Feb. 9.

Skinner & Orr Engineering Company. (See Hallinan, William W., assignor.)

Slatcher, Alfred G., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Valve for percussive tools. 2,070,299; Feb. 9.

Slezak, Lumir F., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical contact for rectifiers. 2,070,321; Feb. 9.

Sluman, William, Montebello, Calif. Defrosting refrigerators. 2,069,782; Feb. 9.

Smith, A. O., Corporation. (See Martin, Wesley G., assignor.)

Smith, Leon G., Salt Lake City, Utah. Closure. 2,070,096; Feb. 9.

Smith, Preston R., Rahway, N. J., assignor, by mesne assignments, to Central Commercial Company. Apparatus for producing surfacing material. 2,070,300; Feb. 9.

Smith, Roy D., assignor to Bee Line Manufacturing Company, Davenport, Iowa. Motor vehicle gauge. 2,070,518; Feb. 9.

Snell, George W., Wichita, Kans. Handle for paper cups. 2,070,414; Feb. 9.

Société A. Georges Claude, Manet & Cie. (See Claude, A., and Manet, assignors.)
Société Anonyme Usines Decoufle. (See Danger, Etienne, assignor.)
Societe des Usines Chimiques Rhon-Poulenc. (See Gallot, Paul L., assignor.)
Sohn, Anne N. (See Fisher, Henry S., assignor.)
Sonoco Products Company. (See Dunlap, Charles K., assignor.)
Sonotone Corporation. (See Greibach, Emil H., assignor.)
Sorensen, Alfred K. (See Burke, E., and Sorensen.)
Sosa, Augustus M. (See Schauer, L. L., and Sosa.)
Souther, Channing W., Santa Ana, assignor to Natural Food Products Company, Orange, Calif. Vacuum filling machine. 2,070,301; Feb. 9.
Sayck, Werner, Berlin-Pankow, and A. Ungewiss, Berlin-Halensee, Germany. Insulating material having a high dielectric constant and producing the same. 2,069,903; Feb. 9.
Spaeth, Philip D., Jr. (See Decker, G., and Spaeth.)
Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread cutter for sewing machines. 2,070,029; Feb. 9.
Spalding, Clarence G., Milford, Conn. Ice cream. 2,070,455; Feb. 9.
Spaloss, Frank. (See Fuchs, C. A., and Spaloss.)
Spang, Chalfant & Company. (See Shields, William D., assignor.)
Sparrow, Maxwell E., et al. (See Dorr, Oscar S., assignor.)
Spencer, Cloise C., Portland, Oreg. Reel lock. 2,069,977; Feb. 9.
Sperry, Roger S., Waterbury, assignor to The Packer Machine Company, Meriden, Conn. Automatic rouge feed for buffing machines. 2,070,322; Feb. 9.
Spicer Manufacturing Corporation. (See Peterson, C. D., and Deimel, assignors.)
Spinney, Edmund S., Attleboro, Mass. Transmission mechanism. 2,070,456; Feb. 9.
Squires, John, Hagerstown, Md. Mandrel for spinning metal. 2,069,858; Feb. 9.
Staab, Nicholas, assignor to J. W. Johnson Company, Chicago, Ill. Play tent. 2,070,244; Feb. 9.
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Buckle. 2,069,978; Feb. 9.
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Emergency antiskid device. 2,069,979; Feb. 9.
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Making chain links. 2,069,980; Feb. 9.
Staley, Samuel S., Jr., Honolulu, Hawaii. Awning. 2,070,144; Feb. 9.
Standard Cap and Seal Corporation. (See Weiss, George, assignor.)
Standard Electric Time Company, The. (See Dorsett, Leonard P., assignor.)
Standard Oil Development Company. (See Fischer, Herbert G. M., assignor.)
Standard Steel Works. (See Gredell, Otto N., assignor.)
Stanley, Herbert M. (See Hoshua, W. P., Stanley, Fuchs, Querfurth, and Dymock.)
Steel Products Engineering Company, The. (See Burton, Warren D., assignor.)
Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Evaporator for refrigerating machines. 2,070,457; Feb. 9.
Steere, Edward H., assignor of one-half to C. C. Cranford, Asheboro, N. C. Knitting machine. 2,070,458; Feb. 9.
Steiger, Norbert. (See Zerweck, W., and Steiger.)
Steinway & Sons. (See Billhuber, Paul H., assignor.)
Stephenson, Arthur F., et al. (See Stephenson, Thomas B., assignor.)
Stephenson, John G., et al. (See Stephenson, Thomas B., assignor.)
Stephenson, Thomas B., assignor of one-half to Arthur F. Stephenson, Springfield, Mass., and one-half to John G. Stephenson, New York, N. Y. Steam bath cabinet. 2,070,030; Feb. 9.
Sterling, Bernard A., Chicago, Ill. Hair waving clamp. 2,069,859; Feb. 9.
Stern, Charles H., New York, N. Y. Woven fabric. 2,070,243; Feb. 9.
Stevens, Albert W., Dayton, Ohio. Valve mechanism. 2,069,783; Feb. 9.
Stevenson, Horace N., Trenton, N. J. Springboard. 2,070,494; Feb. 9.
Steward, Truman C., Birmingham, Ala. Lathe tool holder. 2,070,188; Feb. 9.
Stewart, Donald H., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Focusing self-erecting front camera. 2,069,981; Feb. 9.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Remote control system. 2,069,860; Feb. 9.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stipe, Lester E., Portland, Oreg. Ice cube cracker. 2,070,097; Feb. 9.
Stirn, Bertram, Brooklyn, N. Y. Reed wiper. 2,070,218; Feb. 9.
Stockdale, Frank P. (See Friedrich, J. L., and Stockdale.)
Stoeckly, Johann J. (See Bartunek, R., Hartmann, Stoeckly, and Uytenbogaart.)
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stokes, Harold E., Murraysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical drive system. 2,070,323; Feb. 9.
Stoltz, Charles E., assignor to Mancha Storage Battery Locomotive Company, Chicago, Ill. Mechanical power shovel. 2,070,415; Feb. 9.
Stone, Herbert G., and H. R. Childs, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Lusterless yarn from cellulose acetate. 2,070,031; Feb. 9.
Stoner, Frank H., Monroe, Mich. Platform box. 2,070,070; Feb. 9.
Stout, Abraham B., Plymouth, Ind. Medicated steam bath. 2,070,378; Feb. 9.
Stramaglia, Nicola, Chicago, Ill. Automotive refrigerating and cooling system. 2,070,379; Feb. 9.
Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad Soden-in-Taunus, and H. Oesterlin, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Organic arsenic compounds. 2,070,145; Feb. 9.
Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad Soden-in-Taunus, and H. Oesterlin, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aromatic arsonic acids and preparing them. 2,070,146; Feb. 9.
Stromberg Electric Company. (See Ostler, Ernest S., assignor.)
Stromeyer, Charles F., Mount Vernon, assignor to Revelation Patents Holding Company, New York, N. Y. Electrical transmission system. 2,070,071; Feb. 9.
Strout, Archie L. (See Halloran, R. A., and Strout.)
Strutz, Edward H., and E. T. Bowlden, Sacramento, Calif. Drink tube holder. 2,070,495; Feb. 9.
Stuckey, Samuel G., assignor to Obear-Nester Glass Company, St. Louis, Mo. Feeding glass and an apparatus. 2,069,982; Feb. 9.
Sturges, William B., Woodmont, assignor to The Henry G. Thompson & Son Co., New Haven, Conn. Hardening furnace. 2,070,416; Feb. 9.
Sullivan, John D. (See Harder, O. E., and Sullivan.)
Sullivan, Thomas J., et al. (See Brand, Jean J., assignor.)
Sun Oil Company. (See Pew, Arthur E., Jr., assignor.)
Sun Rubber Company, The. (See Lower, Melvin S., assignor.)
Sunlite Company. (See Nicholls, Henry J., assignor.)
Sunnen, Joseph, Kirkwood, Mo. Pin holding device. 2,070,380; Feb. 9.
Sunnen, Joseph, Kirkwood, Mo. Pin hole grinder. 2,070,381; Feb. 9.
Sussenguth, Otto. (See Elbel, E., and Sussenguth.)
Sutton, Harry A. (See Eaton, B. G., Jr., and Sutton.)
Suzuki, Masutaro, Itabashi-ku, Tokyo, assignor to Asahi Denka Kogyo Kabushiki Kaisha, Tokyo, Japan. Carbonaceous electrode. 2,069,862; Feb. 9.
Swanberg, John H., Minneapolis, Minn., assignor, by mesne assignments, to Koppers Company. Composition of matter. 2,069,929; Feb. 9.
Swann, Herbert. (See Rosser, R. J., and Swann.)
Swann Research, Incorporated. (See Glass, Hugh B., assignor.)
Swanstrom, Carl A., Irvington, assignor to Elastic Stop Nut Corporation, Elizabeth, N. J. Manufacture of elastic stop nuts. 2,070,032; Feb. 9.
Sweet, Andrew T., Houghton, and J. D. MacCarthy, assignors to General Manganese Corporation, Detroit, Mich. Obtaining manganese values from carbonate ores. 2,070,496; Feb. 9.
Sweet, Andrew T., Houghton, and J. D. MacCarthy, assignors to General Manganese Corporation, Detroit, Mich. Obtaining manganese values from ores containing them. 2,070,497; Feb. 9.
Swift, George W., Jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Variable speed transmission. 2,070,382; Feb. 9.
Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)
Swift, Howard E., Westfield, Mass. Automotive vehicle. 2,070,245; Feb. 9.
Sylvania Industrial Corporation. (See Borner, Christian, assignor.)
Sylvania Industrial Corporation. (See Weingand, R., and Muehlinski, assignors.)
Talbot, Frank A., Baltimore, Md., assignor to Chambers, Bering, Quinlan Co., Decatur, Ill. Filling means for subterranean tanks. 2,069,930; Feb. 9.
Tarrie, Thomas K., Chicago, Ill. Lock tool. 2,070,342; Feb. 9.
Taylor, Robert S., and H. C. Shagaloff, Evansville, Ind., assignors, by mesne assignments, to Servel, Inc., Dover, Del. Safety device for gas burners. 2,069,863; Feb. 9.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wohlfarth, Otto, assignor.)

Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Adjustable mandrel for collapsible tube printing machines. 2,070,540; Feb. 9.
Theodos, Vangel, San Francisco, Calif. Railway switch and intersection. 2,069,904; Feb. 9.
Thompson, Henry G., & Son Co., The. (See Sturges, William B., assignor.)
Thompson, Herbert L., Elgin, assignor to Reynolds Wire Co., Dixon, Ill. Cloth advancing mechanism for wire weaving machines. 2,070,147; Feb. 9.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,069,905; Feb. 9.
Thompson Products, Incorporated. (See Hufferd, George H., assignor.)
Thomson, Samuel G., Flushing, N. Y. Railway rail and rail-joint. 2,070,246; Feb. 9.
Thuner, Robert. (See Skillman, N., and Thuner.)
Tietze, Ernst. (See Hilger, A., Ossenbeck, and Tietze.)
Tildsley, Henry A., Albany, Calif. Clamp. 2,070,459; Feb. 9.
Tomei, Gino., Boston, assignor of one-third to G. Del Checcolo, and one-third to A. P. Marchi, Somerville, Mass. Cooking utensil. 2,070,519; Feb. 9.
Topor, Jacob, Wheeling, W. Va. Mouthpiece and double ended reed for wind musical instruments. 2,069,784; Feb. 9.
Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding paper products. 2,070,324; Feb. 9.
Tournier, Herman A., Lille, France, assignor to General Electric Company. Electric heater. 2,070,498; Feb. 9.
Tracy, Michael J., Robertson, Mo. Door. 2,070,219; Feb. 9.
Traub, Ernest, London, England. Scanning device. 2,070,460; Feb. 9.
Treadwell Engineering Company. (See Mikaelson, E. W., and Hamilton, assignors.)
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Cover clamp for electrical apparatus. 2,070,499; Feb. 9.
Trimbach, Clem G. (See Carleton, R. D., and Timbach.)
Tropsch, Hans., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,069,785; Feb. 9.
Trott, Rolland S., Denver, Colo. Ignition timer controlling mechanism. 2,069,931; Feb. 9.
Turkington, Victor H., Caldwell, and W. H. Butler, Arlington, N. J., assignors to Bakelite Corporation, New York, N. Y. Phenolic resinous products and compositions containing them. 2,070,148; Feb. 9.
Turner, John, Contoocook, N. H. Door lock. 2,070,149; Feb. 9.
Turnock, Lawrence C., Cleveland Heights, Ohio. Current conducting bar. 2,070,343; Feb. 9.
Tuttle, Fordyce E., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Motion picture apparatus. 2,070,033; Feb. 9.
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Lubricant. 2,070,383; Feb. 9.
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Refining of mineral oil. 2,070,384; Feb. 9.
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Purification of oil fraction and solvent recovery. 2,070,385; Feb. 9.
Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
Twomey, Lee S., Vista, Calif. Removing hydrogen sulphide from hydrocarbon gases. 2,070,098; Feb. 9.
Twomey, Lee S., Vista, Calif. Separating and purifying gases. 2,070,099; Feb. 9.
Twomey, Lee S., Vista, Calif. Fractionating tower. 2,070,100; Feb. 9.
Ubben, Richard T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,069,983; Feb. 9.
Ullstrand, Hugo M., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,069,865; Feb. 9.
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
Ungar, Gustave A., Pelham Manor, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Cutting apparatus. 2,070,386; Feb. 9.
Ungewiss, Alfred. (See Soyck, W., and Ungewiss.)
Union Switch & Signal Company, The. (See Baughman, George W., assignor.)
Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
Union Switch & Signal Company, The. (See Wells, Wesley B., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United States Envelope Company. (See Heywood, Vincent E., assignor.)
United States Gypsum Company. (See King, George D., assignor.)
Universal Oil Burner Company, The. (See La Pointe, Albert A., assignor.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
Universal Oil Products Company. (See Halloran, R. A., and Strout, assignors.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Tropsch, Hans, assignor.)
Upjohn Company, The. (See Hart, Merrill C., assignor.)
Uppercu, Inglis M., Rumson, and F. J. Joyce, Keyport, N. J. Canned liquid dispensing means. 2,069,984; Feb. 9.
Uytenbogaart, Johannes. (See Bartunek, R., Hartmann, Stoeckly, and Uytenbogaart.)
Vaders, Eugen, Frankfort-on-the-Main, Germany. Welding rod. 2,069,906; Feb. 9.
Valentine, Percy W., Brooklyn, N. Y. Innersole with attached rib. 2,069,864; Feb. 9.
Van der Meulen, Peter A., assignor to J. R. Ditmars, New Brunswick, N. J. Coated paper. 2,069,786; Feb. 9.
Van der Meulen, Peter A., assignor to J. R. Ditmars, New Brunswick, N. J. Thin flexible film composition. 2,069,787; Feb. 9.
Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Abrasive wheel. 2,069,788; Feb. 9.
Vandervoort, Milford T., Grand Rapids, Mich. Theater seat. 2,070,387; Feb. 9.
Van Evera, De Witt, et al. (See Geary, James F., assignor.)
Van Evera, J. Wilbur, et al. (See Geary, James F., assignor.)
Varela, Arthur A., Washington, D. C. Ignition timer. 2,070,072; Feb. 9.
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Building construction. 2,070,150; Feb. 9.
Victor, Alexander F., New York, N. Y. Projector for motion pictures. 2,070,325; Feb. 9.
Victor Manufacturing & Gasket Company. (See Heinze, William A., assignor.)
Victor Metal Products Corporation. (See Temple, George W., assignor.)
Von Webern, Guido, and E. W. Hamant, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich. Surface decorating method and apparatus. 2,069,789; Feb. 9.
Von Werder, Fritz. (See Dalmer, O., and Von Werder.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wahl, Axel S., Jersey City, N. J. Eaves trough strainer. 2,070,500; Feb. 9.
Wahlfors, Eric, Cleveland, and C. L. Johnson, Bedford, and George Lacy, Cleveland, assignors to The Glidden Company, Cleveland, Ohio. Lubricant. 2,069,790; Feb. 9.
Waldman, Isador. (See Ernest, A., and Waldman.)
Walker, Frank G., Santa Barbara, Calif. Dishwashing machine. 2,069,985; Feb. 9.
Wallace, John F., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorber. 2,069,791; Feb. 9.
Wallace, R. & Sons Manufacturing Company. (See Warren, William S., assignor.)
Wallenthin, Walfrid, Attleboro, Mass. Safety razor container. 2,070,430; Feb. 9.
Wallis, Albert E. (See Harrison, C. F. R., and Wallis.)
Walton, Clifford T., Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Filter. 2,070,073; Feb. 9.
Walworth Patents, Inc. (See Morehead, French H., assignor.)
Wamer, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for installing tubular rivets. 2,069,907; Feb. 9.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon and fork. 2,070,034; Feb. 9.
Warshaw, Nathaniel. (See Shepard, F. J., Jr., and Warshaw.)
Watanabe, Asahi, Toshimaku, Tokyo, assignor to The Namiki Manufacturing Company Limited, Tokyo, Japan. Piston fountain pen. 2,070,461; Feb. 9.
Waters, Harry F., New York, N. Y. Electric musical instrument. 2,070,344; Feb. 9.
Watkins, Dudley W. (See Couch, H. H., Watkins, and Brelsford.)
Watson, Oliver, Dayton, assignor of one-half to B. F. Downey, Springfield, Ohio. Ullage rod. 2,069,792; Feb. 9.
Watson, Oliver, Dayton, assignor of one-half to B. F. Downey, Springfield, Ohio. Ullage rod. 2,069,793; Feb. 9.
Watts, Richard J., Quincy, Mass. Nonrefillable bottle. 2,070,345; Feb. 9.
Weaton, George F., and H. K. Najarian, Beaver, Pa., assignors to St. Joseph Lead Company, New York, N. Y. Condensation of metallic vapors. 2,070,101; Feb. 9.
Webster Company, The. (See Erwood, Joseph, assignor.)

Webster, Vey V., assignor of one-fourth to R. J. Bienvenu, Colfax, La. Diesel gas device or heater. 2,070,189; Feb. 9.
Weidinger, Karl W., St. Louis, Mo. Well flow head. 2,070,326; Feb. 9.
Weingand, Richard, and A. Muchlinski, Bomlitz, near Walsrode, Germany, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Tubing and process and apparatus for producing the same. 2,070,247; Feb. 9.
Weingand, Richard, and A. Muchlinski, Bomlitz, near Walsrode, Germany, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Nitrocellulose product. 2,070,248; Feb. 9.
Weiss, George, Des Plaines, assignor to Standard Cap and Seal Corporation, Chicago, Ill. Wire coating mechanism. 2,070,035; Feb. 9.
Weldon Roberts Rubber Co. (See Henderson, Russell S., assignor.)
Wells, Thomas E., Haydenville, assignor to The Ezykut Tool Corporation, Northampton, Mass. Sickle. 2,070,190; Feb. 9.
Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Bearing. 2,069,908; Feb. 9.
Wenter, Julius, Budapest, Hungary. Apparatus for permanently waving hair. 2,069,866; Feb. 9.
Weslake, Henry, Putney Hill, London, England. Engine poppet valve. 2,070,102; Feb. 9.
Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Pool-type discharge device. 2,070,501; Feb. 9.
Westin, Charles J., Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Vacuum pump. 2,070,151; Feb. 9.
Westinghouse Electric & Manufacturing Company. (See Brecht, Winston A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Griffith, Arthur M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Philpott, La Verne R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rawlins, H. L., and Cuttino, assignors.)
Westinghouse Electric & Manufacturing Company. (See Slezak, Lumir F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stokes, Harold E., assignor.)
Whenham, Everett L., Los Angeles, Calif. Combination clothes holder. 2,070,417; Feb. 9.
White, William C., Schenectady, N. Y., assignor to General Electric Company. Parallel operation of thyratrons. 2,070,462; Feb. 9.
Whiteside, Wilfred D., Timpson, Tex. Transilluminating hood. 2,070,220; Feb. 9.
Whittler, Horace R., Bristol, assignor to The Cooper Oven Thermometer Company, Plymouth, Conn. Thermometer. 2,070,221; Feb. 9.
Whittler, Paul, et al. (See Pottenger, F. M., Jr., and Balsley, assignors.)
Wick, Emil A., Brooklyn, N. Y., assignor to Magnus Bjorndal, Jersey City, N. J. Watch synchronizer. 2,069,909; Feb. 9.
Wiebe, Arthur, near Salinas, Calif. Lock operating means for automobiles. 2,070,103; Feb. 9.
Wilczek, Ludwic A. (See Fuchs, C. A., and Spaloss, assignors.)
Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Cutting gears. 2,070,191; Feb. 9.
Willard Manufacturing Corporation. (See Gegenheimer, William, assignor.)
Williamson, Clarence H., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. House car. 2,069,986; Feb. 9.
Wilson, James R., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron emitter. 2,069,867; Feb. 9.
Winchester Repeating Arms Company. (See Laudensack, Albert F., assignor.)
Winckler, Arnold, Essen, assignor to firm: Gutehoffnungshütte Oberhausen Aktiengesellschaft, Oberhausen-Rhineland, Germany. Fastening means. 2,069,987; Feb. 9.
Wingfoot Corporation. (See Calvert, William C., assignor.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Cramer, Howard I., assignor.)
Wingfoot Corporation. (See Eberhard, Boyd C., assignor.)
Winthrop Chemical Company. (See Dahmer, O., and von Werder, assignors.)
Winthrop Chemical Company. (See Streitwolf, K., Fehrle, and Oesterlin, assignors.)
Winthrop Chemical Company Inc. (See Banda, L., and Sievers, assignors.)
Wintringham, William T., Chatham, N. J., assignor to American Telephone and Telegraph Company. Electrical system. 2,069,932; Feb. 9.
Witty, George, Long Island City, assignor of one-fourth to S. N. Eben, one-fourth to R. J. Scanlan, and one-fourth to J. M. Mundy, New York, N. Y. Wall plaster composition. 2,070,036; Feb. 9.
Wohlfarth, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Microphone amplifier. 2,069,868; Feb. 9.
Woina, Benjamin A., Detroit, Mich. Vehicle window. 2,070,502; Feb. 9.
Wood Chemical Products Company. (See Muncie, Fred W., assignor.)
Wood, Henry A. Wise, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper roll braking mechanism. 2,070,327; Feb. 9.
Wood, Henry A. Wise, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple stereotype casting machine. 2,070,328; Feb. 9.
Wood, Irene T. (See MacDuff, Stanley I., assignor.)
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodberry, David L., Edgewood Arsenal, Md. Shell for firearms. 2,069,794; Feb. 9.
Woodhead, Henry A., Graniteville, S. C. Shrinking cloth. 2,069,910; Feb. 9.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Insulated container for container cars. 2,070,346; Feb. 9.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Container for container cars or automobile trucks. 2,070,347; Feb. 9.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Drop bottom container for container cars. 2,070,348; Feb. 9.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Drop bottom container for container cars. 2,070,349; Feb. 9.
Woolson Spice Company, The. (See Biggs, Franklin H., assignor.)
Wormald, Alec. (See Hardacre, R. W., and Wormald.)
Worthington Pump and Machinery Corporation. (See Baer, A. H., and McCabe, assignors.)
Worthington Pump and Machinery Corporation. (See Hirschberg, Charles A., assignor.)
Wright Aeronautical Corporation. (See Goodman, Willard B., assignor.)
Wright, Robert T., Lake Bluff, Ill. Clutch. 2,069,988; Feb. 9.
Yeadon, Robert. (See Jabouley, J., and Yeadon, assignor.)
Yellow Truck & Coach Manufacturing Company. (See Schjolin, Eric O., assignor.)
Yolles, Jacob, Brooklyn, N. Y., assignor to Radio Corporation of America. Automatic tone control circuit. 2,069,869; Feb. 9.
Young, Frank W., Upper Montclair, N. J., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif. Apparatus for discharging filters. 2,070,074; Feb. 9.
Youngstown Steel Door Company, The. (See Williamson, Clarence H., assignor.)
Zarafu, Herman, West New York, N. J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine. 2,070,192; Feb. 9.
Zeiss, Firm Carl. (See Bauersfeld, Walther, assignor.)
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim, and N. Steiger, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs insoluble in water. 2,070,104; Feb. 9.
Zone-O-Trol Corporation of America, Inc. (See Huebscher, John J., assignor.)
Zublin, John A., Los Angeles, Calif. Cutter assembly for oil well tools. 2,069,795; Feb. 9.
Zublin, John A., Los Angeles, Calif. Reaming tool. 2,069,796; Feb. 9.
Zublin, John A., Los Angeles, Calif. Core drill. 2,069,797; Feb. 9.
Zublin, John A., Los Angeles, Calif. Drilling tool. 2,069,798; Feb. 9.
Zublin, John A., Los Angeles, Calif. Drill bit with rolling cutters. 2,069,799; Feb. 9.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Rate of climb instruments. A. Urfer. 20,263; Feb. 9.
Supply mechanism. T. D. Lane. 20,262; Feb. 9.
Water purification process. R. A. Stevenson. 20,261; Feb. 9.

LIST OF PLANT INVENTIONS

Peach. C. H. Fisher. 233; Feb. 9.
Avocado. C. C. Henry. 234; Feb. 9.

LIST OF DESIGN INVENTIONS

Airplane. W. F. McGinty. 103,183; Feb. 9.
Ashtray. W. E. Mackelfresh, Jr. 103,115; Feb. 9.
Atomizer. F. A. Vuillemenot. 103,171; Feb. 9.
Automobile. D. F. H. Fitzmaurice. 103,095–6; Feb. 9.
Basket, Metal flower. T. W. Meyers and E. F. Gravenstreter. 103,184; Feb. 9.
Bedstead. R. Braun. 103,092; Feb. 9.
Blouse. R. A. Weiss. 103,204; Feb. 9.
Bottle. A. B. Kennedy. 103,154; Feb. 9.
Bottle. W. R. Kohl. 103,156–8; Feb. 9.
Bottle. R. R. Smith. 103,164; Feb. 9.
Bottle decapper. T. H. Low and H. Laylon. 103,179; Feb. 9.
Bottle or similar container. Y. Mogi. 103,120; Feb. 9.
Bottle or similar container. Y. Mogi. 103,121–2; Feb. 9.
Bottle or similar container. Y. Mogi. 103,160; Feb. 9.
Box, Pocket watch display. B. S. Katz. 103,104; Feb. 9.
Box, Strap watch display. B. S. Katz. 103,105; Feb. 9.
Buckle. F. A. Knoll. 103,176; Feb. 9.
Cabinet, Telephone directory. H. I. Beardsley and J. M. Hayward. 103,144; Feb. 9.
Cap, Closure. W. M. Rose. 103,163; Feb. 9.
Cards, Deck of playing. J. McQuitty. 103,117; Feb. 9.
Case, Clock. O. G. Williams. 103,142–3; Feb. 9.
Case or similar article. W. Wallenthin. 103,137; Feb. 9.
Case, Piano. V. M. Montoya. 103,123; Feb. 9.
Case, Timer. J. P. Rainbault. 103,162; Feb. 9.
Case, Toiletry. F. N. Lewis. 103,112; Feb. 9.
Casing for a coffee roasting machine. S. E. Richeson. 103,188; Feb. 9.
Casing or similar article, Heater. P. Kilham. 103,106–110; Feb. 9.
Coat. I. Greenberg. 103,186; Feb. 9.
Cover, Storage battery cell. C. L. Keller. 103,153; Feb. 9.
Cup. A. Swainson. 103,168; Feb. 9.
Cup, Edible. L. A. Helfgott. 103,099; Feb. 9.
Decanter or similar article. F. Katz. 103,151–2; Feb. 9.
Device for vending machines. C. R. Simpkins. 103,130; Feb. 9.
Dish, Covered. A. Swainson. 103,169; Feb. 9.
Dish or article of similar nature, Glass refrigerator. A. H. Nicholson. 103,125; Feb. 9.
Doll. E. P. Miles. 103,119; Feb. 9.
Dress. T. Coleman. 103,185; Feb. 9.
Dress. A. M. Guzy. 103,192–3; Feb. 9.
Dress, Ensemble. S. Dick. 103,191; Feb. 9.
Fabric or similar article, Printed textile. M. R. Hamre. 103,194–201; Feb. 9.
Fabric or similar article, Printed textile. M. R. Hamre. 103,206; Feb. 9.
Fabric, Textile. A. A. Chiat. 103,093; Feb. 9.
Fabric, Textile. J. G. Levy. 103,178; Feb. 9.
Fabric, Textile. M. Turpan. 103,133–6; Feb. 9.
Flower exhibiting device. R. W. Simpson. 103,131; Feb. 9.
Frame for a girl's bicycle. J. R. Morgan. 103,124; Feb. 9.
Gear mechanism casing for clocks or similar articles. W. L. Hansen and I. N. Hurst. 103,098; Feb. 9.
Glass. E. W. Fuerst. 103,148; Feb. 9.
Glove. J. E. Fuchs. 103,147; Feb. 9.
Glove. S. M. Straus. 103,165; Feb. 9.
Gun, Combined weeding and fertilizing. G. B. Wettstein. 103,140; Feb. 9.
Handkerchief. J. Marcus. 103,116; Feb. 9.
Heater, Automobile. C. R. T. Hess. 103,205; Feb. 9.
Housing, Dry cell reactivator. J. H. Staley. 103,189; Feb. 9.
Jar. P. L. Herrick. 103,101; Feb. 9.
Lamp. H. L. Krueft. 103,177; Feb. 9.
Lavatory unit. W. W. Krolop. 103,111; Feb. 9.
Lens for signal lamps. P. C. Koeber. 103,155; Feb. 9.
Metal sheet, Embossed. E. E. George. 103,097; Feb. 9.
Percolator. R. Heller. 103,149; Feb. 9.
Pitcher. A. Swainson. 103,167; Feb. 9.
Platter. A. Swainson. 103,166; Feb. 9.
Plug, lamp socket and shade, Combined contact. G. B. Benander. 103,145; Feb. 9.
Print machine, Dairy product. C. Doering. 103,094; Feb. 9.
Ring, Finger. A. E. Dixon. 103,146; Feb. 9.
Sewing kit. L. A. Reynolds. 103,187; Feb. 9.
Shaker, Condiment. W. E. Mackelfresh, Jr. 103,114; Feb. 9.
Shield for an automobile radiator. B. Wengard. 103,172; Feb. 9.
Shoe. T. R. Atkins. 103,091; Feb. 9.
Shoe. M. Lippert. 103,113; Feb. 9.
Shoe. E. W. McCain. 103,180–2; Feb. 9.
Shoe. T. Samuels. 103,126; Feb. 9.
Shoe. A. Turlansky. 103,132; Feb. 9.
Shoe. B. Weiner. 103,138–9; Feb. 9.
Shoe or similar article. A. Vamos. 103,170; Feb. 9.
Slipper or similar article of footwear. J. Meltzer. 103,118; Feb. 9.
Soap, Cake of. S. G. Stanley. 103,190; Feb. 9.
Sport ensemble. D. S. Roseman. 103,202; Feb. 9.
Stand, Display. S. C. Hirschberg. 103,150; Feb. 9.
Stand or similar article, Display. E. Schwartz. 103,127; Feb. 9.
Suit. J. A. Silverman. 103,203; Feb. 9.
Suspender fitting. F. A. Knoll. 103,174–5; Feb. 9.
Suspenders. F. A. Knoll. 103,159; Feb. 9.
Suspenders. F. A. Knoll. 103,173; Feb. 9.
Tire, Automobile. H. C. Hower. 103,103; Feb. 9.
Tool, Compound. E. L. White. 103,141; Feb. 9.
Toy bank. E. Sheer. 103,128; Feb. 9.
Trimming for dresses, suits, and coats. V. J. Sigoda. 103,129; Feb. 9.
Truss rod unit. H. H. Henry. 103,100; Feb. 9.
Vending machine or the like. F. W. Hoban. 103,102; Feb. 9.
Wagon and perambulator, Combined service. O. F. Opperman and G. Betancourt. 103,161; Feb. 9.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel. E. van der Pyl. 2,069,788; Feb. 9.
Accelerator of vulcanization. H. I. Cramer. 2,070,524; Feb. 9.
Accelerator, Retarded action hydraulic. M. A. McMichen. 2,070,489; Feb. 9.
Acid container. A. Katona. 2,070,231; Feb. 9.
Acid esters of cellulose, Analyzing mixed organic. C. J. Malm, and G. F. Nadeau. 2,069,892; Feb. 9.
Acid, Making hydrobromic. G. F. Dressel and O. C. Ross. 2,070,263; Feb. 9.
Acoustic device. H. R. Clarke. 2,069,817; Feb. 9.
Adjustable seat. A. W. Chapman. 2,070,468; Feb. 9.
Adjusting device. A. Bargeboer. 2,070,108; Feb. 9.
Advertising apparatus. E. F. Brown. 2,070,542; Feb. 9.
Aeroplane. J. Martin. 2,070,086; Feb. 9.
Air brake. C. A. Campbell. 2,069,914; Feb. 9.
Air cleaner. W. W. Lowther. 2,069,889; Feb. 9.
Air conditioner. L. W. Child. 2,069,816; Feb. 9.
Air conditioning apparatus. J. A. Martocello. 2,069,961; Feb. 9.
Air-conditioning system. E. R. Mandle. 2,070,057; Feb. 9.
Airplane navigating apparatus. F. M. Pottenger, Jr., and J. R. Baisley. 2,070,178; Feb. 9.
Alarm, Enclosure protecting. R. M. Hopkins. 2,069,953; Feb. 9.
Alcohol, Production of tertiary butyl. G. H. Coleman and G. V. Moore. 2,070,258; Feb. 9.
Alcohols, Manufacture of. R. J. Rosser and H. Swann. 2,070,318; Feb. 9.
Alloy, Hard metal. A. R. Powell and E. R. Box. 2,070,451; Feb. 9.
Alloy, Zinc. A. Daccó. 2,070,474; Feb. 9.
Alloys and making the same, Metal. G. E. Sell. 2,070,186; Feb. 9.
Alternating-current motor. W. J. Morrill. 2,070,447; Feb. 9.
Amplifier, High frequency. E. A. Beane and E. F. Andrews. 2,069,812; Feb. 9.
Amplifier, Microphone. O. Wohlfarth. 2,069,868; Feb.9.
Annealing cover. E. N. Millan. 2,069,768; Feb. 9.
Antenna, Automotive. R. C. Ellis. 2,070,159; Feb. 9.
Antioxidant. W. C. Calvert. 2,070,521; Feb. 9.
Antiskid device, Emergency. F. E. Stahl. 2,069,979; Feb. 9.
Arm support. H. S. Fisher. 2,070,397; Feb. 9.
Arms, Recoil operated small. A. L. Chevallier and T. F. Sanders. 2,070,355; Feb. 9.
Arsenic compounds, Organic. K. Streitwolf, A. Fehrle and H. Oesterlin. 2,070,145; Feb. 9.
Arsonic acids and preparing them, Aromatic. K. Streitwolf, A. Fehrle, and H. Oesterlin. 2,070,146; Feb. 9.
Attaching means. C. A. Flood. 2,069,878; Feb. 9.
Awning. A. T. Matthews. 2,069,893; Feb. 9.
Awning. S. S. Staley, Jr. 2,070,144; Feb. 9.
Azo-dyestuffs insoluble in water. E. Fischer. 2,070,119; Feb. 9.
Azodyestuffs insoluble in water. W. Zerweck and N. Steiger. 2,070,104 Feb. 9.
Badge, Window. C. L. Cruver. 2,070,002; Feb. 9.
Bag sealing and labeling machine. F. H. Biggs. 2,070,390; Feb. 9.
Bar: *See*—
  Current conducting bar.
Bath, Medicated steam. A. B. Stout. 2,070,378; Feb. 9.
Bathtub. I. B. Gardiner. 2,070,120; Feb. 9.
Battery cable terminal. G. F. Cremer. 2,070,259; Feb. 9.
Battery charge control, Storage. F. G. Beetem. 2,070,541; Feb. 9.
Battery post and cable connection. C. E. Hoover. 2,070,336; Feb. 9.
Beach accessory. N. M. Jones. 2,070,484; Feb. 9.
Bearing: *See*—
  Fluid bearing.
Bearing. W. B. Wells. 2,069,908; Feb. 9.
Bearing support. R. Henry. 2,070,081; Feb. 9.
Bearing unit. N. Skillman and R. Thuner. 2,069,781; Feb. 9.
Beverage cooling apparatus. E. Freund. 2,070,398; Feb. 9.
Bicycle. A. P. Cortesi. 2,070,224; Feb. 9.
Bit: *See*—
  Rotary core bit.
Bit with rolling cutters, Drill. J. A. Zublin. 2,069,799; Feb. 9.
Block removing device for concrete block machines. L. and N. L. Gelbman. 2,069,880; Feb. 9.
Board: *See*—
  Chart board.
Bobbin stripping machine. E. R. Alderman. 2,070,193; Feb. 9.
Boiler. C. M. Kelley. 2,069,956; Feb. 9.
Boiler construction. J. P. Badenhausen. 2,070,250; Feb. 9.
Bomb, Practice. C. F. Hofstetter. 2,069,759; Feb. 9.
Bookkeeping machine. B. Bornkessel, E. Breitling, W. Brauer, and K. A. Lehmann. 2,070,419; Feb. 9.
Bottle closure assembling machine. B. Nagy. 2,069,897; Feb. 9.
Bottle, Nonrefillable. R. J. Watts. 2,070,345; Feb. 9.
Box: *See*—
  Platform box.
Brake: *See*—
  Air brake. Hydraulic brake.
  Hand brake.
Brake. E. C. S. Clench. 2,070,470; Feb. 9.
Brake. F. A. and H. J. Hirschman. 2,069,831; Feb. 9.
Brake and clutch for churns and the like, Combination. A. C. Hougland. 2,069,741; Feb. 9.
Brake control mechanism. W. R. Freeman. 2,070,266; Feb. 9.
Brake mechanism, Electric. P. P. Leventis and D. R. Litton. 2,070,365; Feb. 9.
Brake tester, Automatic. J. W. Morse and A. I. Moore. 2,070,022; Feb. 9.
Braking device, Automatic. A. Gullikson. 2,070,481; Feb. 9.
Brassière. E. Miller. 2,070,369; Feb. 9.
Broiling device. C. V. Blayney. 2,070,111; Feb. 9.
Broom holder. J. C. Nork. 2,070,448; Feb. 9.
Broom or article of analogous nature. A. L. Lodge. 2,070,169; Feb. 9.
Brush. H. Cave. 2,070,393; Feb. 9.
Buckle. F. E. Stahl. 2,069,978; Feb. 9.
Building construction. T. J. Foster. 2,069,755; Feb. 9.
Building construction. F. M. Venzie. 2,070,150; Feb. 9.
Burner: *See*—
  Liquid fuel burner. Oil burner.
Bushings, Securing bung. J. O. Black. 2,069,937; Feb. 9.
Button, Detachable. J. L. Friedrich and F. P. Stockdale. 2,070,162; Feb. 9.
Cabinet, Bath. S. Roberts. 2,070,492; Feb. 9.
Cabinet, Radio. A. Montarull. 2,070,088; Feb. 9.
Cabinet, Radio battery. R. E. Nelson. 2,070,172; Feb. 9.
Cabinet, Steam bath. T. B. Stephenson. 2,070,030; Feb. 9.
Cable, Electric. W. C. Robinson and O. A. Frederickson. 2,070,141; Feb. 9.
Cable operated valve. R. G. Carlson. 2,069,995; Feb. 9.
Camera, Focusing self-erecting front. A. Nagel. 2,069,968; Feb. 9.
Camera, Focusing self-erecting front. D. H. Stewart. 2,069,981; Feb. 9.
Camera, Roll film. L. Goldhammer. 2,070,122; Feb. 9.
Can end inspector. M. E. Moore. 2,070,339; Feb. 9.
Can orienting device. W. E. Burns. 2,069,872; Feb. 9.
Cap remover, Advertising. J. N. Minden. 2,070,212; Feb. 9.
Caps, Apparatus for feeding receptacle closure. J. A. Johnson. 2,069,762; Feb. 9.
Car construction, Railway hopper. G. G. Gilpin. 2,070,045; Feb. 9.
Car, House. C. H. Williamson. 2,069,986; Feb. 9.
Carbon feeding head, Positive. C. A. Fuchs and F. Spaloss. 2,069,879; Feb. 9.
Carbon monoxide into formic acid, Converting. C. Ammon. 2,070,503; Feb 9
Carburetor, Anterior throttle. W. B. Goodman. 2,070,009; Feb. 9.
Carrier device for golf clubs and the like. H. W. Burgner. 2,070,254; Feb. 9.
Carton. E. J. Carr. 2,069,997; Feb. 9.
Case making machine. B. Jeffreys. 2,069,885; Feb. 9.
Casing: *See*—
  Toaster casing.
Cash register. W. J. Pasinski. 2,070,059–63; Feb. 9.
Cellulose esters and preparing them. F. Schulze. 2,069,974; Feb. 9.
Cellulose organic ester compositions containing ethers of dioxanediol. J. G. McNally and J. J. Schmitt. 2,069,962; Feb. 9.
Cellulosic material and making same. W. W. Heckert. 2,069,804; Feb. 9.
Cellulosic materials, Treatment of. H. Dreyfus. 2,069,943; Feb. 9.
Cellulosic product and preparing same, Delustered. E. E. Reid. 2,069,773; Feb. 9.
Cellulosic products and preparing same. W. W. Heckert. 2,069,806; Feb. 9.
Cellulosic structure. W. W. Heckert and W. R. Peterson. 2,069,802; Feb. 9.
Cellulosic structure and preparing same, Delustered. E. E. Reid. 2,069,774; Feb. 9.
Cellulosic structures. W. W. Heckert. 2,069,801; Feb. 9.

Cellulosic structures. W. W. Heckert. 2,069,803; Feb. 9.
Cellulosic structures. W. W. Heckert and M. A. Dahlen. 2,069,800; Feb. 9.
Cellulosic structures and producing same. W. W. Heckert. 2,069,805; Feb. 9.
Cellulosic substances and preparing same. W. Heckert. 2,069,807; Feb. 9.
Center bearing. O. K. Kjolseth. 2,070,437; Feb. 9.
Chain: *See*—
  Tire chain.
Chain links, Making. F. E. Stahl. 2,069,980; Feb. 9.
Chains, Making. W. Krentz. 2,070,362; Feb. 9.
Channeling machine. E. E. Olson. 2,069,922; Feb. 9.
Channeling machine. E. E. Olson. 2,069,923; Feb. 9.
Chart, Board. A. A. Hoppmann. 2,070,431; Feb. 9.
Chuck, Air. W. H. Longstreet. 2,070,136; Feb. 9.
Cigarette making machine. E. Calderio. 2,070,198; Feb. 9.
Circuit, Automatic noise suppressor. O. H. Schade. 2,069,854; Feb. 9.
Circuit, Automatic tone control. J. Yolles. 2,069,869; Feb. 9.
Circuit, Automatic volume control. R. B. Armstrong. 2,069,809; Feb. 9.
Circuit control device. C. P. Sherwood. 2,070,376; Feb. 9.
Circuit controlling device. J. Eaton. 2,070,476; Feb. 9.
Circuit interrupter. O. S. Jennings. 2,070,305; Feb. 9.
Circuit interrupter. H. L. Rawlings and W. H. Cuttino. 2,070,315; Feb. 9.
Circuit, Tone compensated volume control. O. H. Schade. 2,069,853; Feb. 9.
Circuits, Automatic gain control. W. R. Koch. 2,069,837; Feb. 9.
Clamp: *See*—
  Hair waving clamp. Venetian blind clamp.
  Hose clamp.
Clamp. J. Anthony. 2,070,550; Feb. 9.
Clamp. H. A. Tildsley. 2,070,459; Feb. 9.
Clamp for electrical apparatus, Cover. E. D. Treanor. 2,070,499; Feb. 9.
Clay cutting device. E. Frey. 2,069,948; Feb. 9.
Cleaner: *See*—
  Air cleaner. Vacuum cleaner.
Cleaning device. A. O. Pieper. 2,070,313; Feb. 9.
Clock. G. F. Mattman. 2,069,894; Feb. 9.
Clock. F. L. McNair. 2,070,087; Feb. 9.
Clock, Electric. A. F. Poole. 2,070,238–9; Feb. 9.
Closure. L. G. Smith. 2,070,096; Feb. 9.
Closure, Bottle. E. Simmons. 2,070,377; Feb. 9.
Cloth advancing mechanism for wire weaving machines. H. L. Thompson. 2,070,147; Feb. 9.
Cloth, Method for shrinking. H. A. Woodhead. 2,069,910; Feb. 9.
Clothes holder, Combination. E. L. Whenham. 2,070,417; Feb. 9.
Clutch. J. W. Carter. 2,070,154; Feb. 9.
Clutch. W. J. Pearmain. 2,070,065; Feb. 9.
Clutch. R. T. Wright. 2,069,988; Feb. 9.
Clutch control, Automatic. H. B. Philips. 2,070,176; Feb. 9.
Clutch control mechanism, Automotive. F. W. Cotterman. 2,069,818; Feb. 9.
Clutch for transmission gears. C. D. Peterson and A. H. Deimel. 2,070,140; Feb. 9.
Coating apparatus. A. C. Keller. 2,069,835; Feb. 9.
Coating composition. R. T. Ubben. 2,069,983; Feb. 9.
Coating machine. J. A. Paasche. 2,069,845; Feb. 9.
Coating, Resinous. J. C. Pullman. 2,070,553; Feb. 9.
Coatings, Treating galvanized. J. L. Schueler and C. L. Heninger. 2,070,554; Feb. 9.
Coffee maker. G. Browning. 2,069,939; Feb. 9.
Collar. C. W. Barrow. 2,070,464; Feb. 9.
Collets, Feed. C. A. Rich. 2,069,775; Feb. 9.
Combination limit switch. L. M. Persons. 2,070,175; Feb. 9.
Combustible mixtures, Storing and burning. A. N. Kerr. 2,070,209; Feb. 9.
Communication system. W. A. Knoop. 2,069,838; Feb. 9.
Composition of matter. J. H. Swanberg. 2,069,929; Feb. 9.
Compositions of matter. E. O. Rhodes and H. E. Gillander, Jr. 2,069,927; Feb. 9.
Compounds of the thiourea series, Preparing. J. Hilger, A. Ossenbeck, and E. Tietze. 2,070,127; Feb. 9.
Compounds useful for protection against moths, Manufacture of. J. Bindler. 2,070,350; Feb. 9.
Compressing apparatus. A. A. McCormack. 2,069,767; Feb. 9.
Condensation products and preparing same, New. J. Huismann and H. Schweitzer. 2,070,207; Feb. 9.
Condensation products from aliphatic aldehydes, Manufacture of. W. P. Joshua, H. M. Stanley, O. Fuchs, W. Querfurth, and J. B. Dymock. 2,070,131; Feb. 9.
Condenser: *See*—
  Electric condenser.
Conduit, Electrical wiring and instrument holding. L. A. Murray and W. H. Hunt. 2,069,967; Feb. 9.
Connecter: *See*—
  Electrical connecter.
Container: *See*—
  Acid container. Shipping container.
  Safety razor container.
Container and carrier for bottled goods. T. H. Goldring. 2,070,399; Feb. 9.
Container closure and method of making. J. W. Perry. 2,070,024; Feb. 9.
Container cover fastener, Shipping. L. M. Hile. 2,070,274; Feb. 9.
Container for container cars, Drop bottom. G. C. Woodruff. 2,070,348–9; Feb. 9.
Container for container cars, Insulated. G. C. Woodruff. 2,070,346; Feb. 9.
Container for container cars or automobile trucks. G. C. Woodruff. 2,070,347; Feb. 9.
Control. W. J. Besler. 2,070,075; Feb. 9.
Control mechanism, Burner apparatus. F. S. Denison and J. P. Kriechbaum. 2,070,118; Feb. 9.
Control system. P. M. Currier. 2,070,473; Feb. 9.
Controlling apparatus for highway crossing signals. P. H. Crago. 2,069,874; Feb. 9.
Cooking appliance, Electric. P. J. McCullough. 2,070,290; Feb. 9.
Cooking device. A. I. Engel and S. Greenberg. 2,069,824; Feb. 9.
Cooling system for motors, Automatic dual temperature. J. Z. Brubaker. 2,069,749; Feb. 9.
Copper, Flotation of cement. H. E. Keyes. 2,070,133; Feb. 9.
Core composition for plaster board. G. D. King. 2,070,551; Feb. 9.
Core drill. J. A. Zublin. 2,069,797; Feb. 9.
Coupling: *See*—
  Pipe coupling.
Coupling. O. M. Davis. 2,070,077; Feb. 9.
Cover: *See*—
  Annealing cover. Rolling pin cover.
Covering device for planters. J. W. Chiles. 2,070,509; Feb. 9.
Cracker, Ice cube. L. E. Stipe. 2,070,097; Feb. 9.
Crate, Ventilated berry. H. C. Atkins. 2,069,747; Feb. 9.
Crib side drop. H. W. Neunherz and G. W. Atwood. 2,070,090; Feb. 9.
Crushing machine. O. C. Gruender. 2,070,270; Feb. 9.
Cultivator blade attachment. P. Day, Jr. 2,070,155; Feb. 9.
Cup: *See*—
  Suction cup.
Current conducting bar. L. C. Turnock. 2,070,343; Feb. 9.
Current regulator, Alternating. S. F. Farkas and L. B. Hilton. 2,069,825; Feb. 9.
Cushioning unit for vehicle tires. J. Mocharnuk. 2,070,214; Feb. 9.
Cutter: *See*—
  Roughing cutter.
Cutter assembly for oil well tools. J. A. Zublin. 2,069,795; Feb. 9.
Cutter member for cleaning drain pipes. S. O. Blanc. 2,069,871; Feb. 9.
Cutting apparatus. G. A. Ungar. 2,070,386; Feb. 9.
Cylinder lock. S. A. Liss. 2,070,233; Feb. 9.
Cylinder, Vertical master. S. Schnell. 2,070,298; Feb. 9.
Decurling device. C. J. Beck. 2,070,505; Feb. 9.
Dental instrument. G. P. Phillips. 2,070,025; Feb. 9.
Dentures, Device for processing. C. M. Andrews. 2,069,746; Feb. 9.
Deposits, Purification of natural. R. W. Flinn. 2,070,161; Feb. 9.
Die and process, Lift cutting. L. F. Exley. 2,070,469; Feb. 9.
Dielectric medium. H. B. Glass. 2,070,268; Feb. 9.
Dihydrotachysterol and manufacturing the same. O. Dalmer and F. von Werder. 2,070,117; Feb. 9.
Direction indicator switch. S. M. Beemer. 2,069,936; Feb. 9.
Discharge device, Pool-type. W. F. Westendorp. 2,070,501; Feb. 9.
Dish for sinks, Soap. W. C. Groeniger. 2,070,010; Feb. 9.
Dishwasher. W. C. Horner. 2,069,833; Feb. 9.
Dishwashing machine. F. G. Walker. 2,069,985; Feb. 9.
Dispenser: *See*—
  Florist wire dispenser. Soap dispenser.
Dispensing apparatus for carbonated bottled liquids. R. D. McIntosh. 2,070,488; Feb. 9.
Dispensing device. W. J. Farnsworth and J. B. Bohland. 2,070,264; Feb. 9.
Dispersing agent. O. A. Pickett. 2,070,177; Feb. 9.
Display. L. J. Clark. 2,070,544; Feb. 9.
Distillery slop and feed substance produced thereby, Treating. A. W. Lissauer and J. R. Coffey. 2,070,284; Feb. 9.
Distillery slop, Treating. A. W. Lissauer and J. R. Coffey. 2,070,286; Feb. 9.
Doll head and making the same, Rubber. M. S. Lower. 2,070,366; Feb. 9.
Door. M. J. Tracy. 2,070,219; Feb. 9.
Door lock. J. Turner. 2,070,149; Feb. 9.
Door structure. D. H. Morgan. 2,069,966; Feb. 9.
Drawer, Cash. W. J. Pasinski. 2,070,064; Feb. 9.
Drier: *See*—
  Festoon drier. Rotary drum drier.
Drill: *See*—
  Core drill.
Drilling machine. H. Allemann. 2,070,463; Feb. 9.
Drilling tool. J. A. Zublin. 2,069,798; Feb. 9.
Drink dispensing device. H. C. Allen. 2,070,107; Feb. 9.
Drink tube holder. E. H. Strutz and E. T. Bowlden. 2,070,495; Feb. 9.

Drive mechanism for motor vehicles. L. Saives. 2,070,341; Feb. 9.
Drum, Kettle. F. Horak. 2,070,082; Feb. 9.
Dyestuffs and their production, Azo. H. Krzikalla and P. Garbsch. 2,069,743; Feb. 9.
Dyestuffs and their production, Cupriferous azo. M. Mendoza. 2,070,292; Feb. 9.
Dyestuffs and their production, Monoazo. A. H. Knight. 2,069,836; Feb. 9.
Dyestuffs, Monoazo. R. Fleischhauer and C. T. Schultis. 2,069,740; Feb. 9.
Ear Fitting for excluding water or diminishing sound. J. P. Hershman. 2,070,403; Feb. 9.
Ear protector. J. I. Dowling and J. L. Laib. 2,070,332; Feb. 9.
Electric condenser. J. Kutzman. 2,070,435; Feb. 9.
Electric discharge device. D. S. Bond. 2,069,814; Feb. 9.
Electric discharge device. V. L. Holdaway. 2,069,832; Feb. 9.
Electric flash sign. R. Kamm. 2,070,132; Feb. 9.
Electric generator and transformer and circuit arrangement therefor, Direct. G. M. Pestarini. 2,070,450; Feb. 9.
Electric heater. H. A. Tournier. 2,070,498; Feb. 9.
Electric spot welding arrangement. D. Sciaky. 2,069,975; Feb. 9.
Electrical connecter. E. H. Greibach. 2,070,400; Feb. 9.
Electrical connecter. F. E. Mehr. 2,070,211; Feb. 9.
Electrical contact. C. B. Gwyn, Jr. 2,070,271; Feb. 9.
Electrical contact for rectifiers. L. F. Slezak. 2,070,321; Feb. 9.
Electrical drive system. H. E. Stokes. 2,070,323; Feb. 9.
Electrical system. W. T. Wintringham. 2,069,932; Feb. 9.
Electrode, Carbonaceous. M. Suzuki. 2,069,862; Feb. 9.
Electron emitter. J. R. Wilson. 2,069,867; Feb. 9.
Electron rays, Apparatus for influencing the character of. R. Rüdenberg. 2,070,319; Feb. 9.
Elevator: *See*—
Well elevator.
Embroidered fabric. W. Hueller. 2,069,760; Feb. 9.
Embroidery and hemstitching machine. J. Ollendorff. 2,070,449; Feb. 9.
Emulsification device. R. L. Gilbert. 2,070,535; Feb. 9.
Enameled product and making the same. O. E. Harder and J. D. Sullivan. 2,070,272; Feb. 9.
Enclosure device. W. J. Condon. 2,070,471; Feb. 9.
Engine: *See*—
Internal combustion engine
Engine. P. H. Allen. 2,069,745; Feb. 9.
Engine. P. A. Frank. 2,069,826; Feb. 9.
Engine and oil temperature control system. F. N. Nutt. 2,070,091; Feb. 9.
Engine poppet valve. H. Weslake. 2,070,102; Feb. 9.
Envelopes, Manufacture of window. V. E. Heywood. 2,070,205; Feb. 9.
Eraser, Composite. R. S. Henderson. 2,070,048; Feb. 9.
Evaporator for refrigerating machines. C. Steenstrup. 2,070,457; Feb. 9.
Exhaust silencer. H. H. Couch, D. W. Watkins, and J. B. Brelsford. 2,069,751; Feb. 9.
Expander and flanger for lined pipes, Combined. W. E. Bannerman. 2,070,504; Feb. 9.
Extensometer. W. D. Shields. 2,070,320; Feb. 9.
Exterminator and preparing the same. V. Losito. 2,070,056; Feb. 9.
Extractor: *See*—
Heat extractor.
Fabric and making same, Impregnated pile. W. F. Bird. 2,070,251; Feb. 9.
Fabric: *See*—
Embroidered fabric. Stitched fabric.
Pile fabric. Woven fabric.
Plural ply fabric.
Facsimile transmission system. L. R. Philpott. 2,070,312; Feb. 9.
Fading elimination. H. H. Beverage and H. O. Peterson. 2,069,813; Feb. 9.
Fastener: *See*—
Container cover fastener.
Fastening means. A. Winckler. 2,069,987; Feb. 9.
Fastening means for abutting flaps of flexible carriers or cartons. C. D. Keith. 2,069,742; Feb. 9.
Feed regulator and separator. T. G. Cecka. 2,070,508; Feb. 9.
Feed substances derived from distillery slop and producing same. A. W. Lissauer and J. R. Coffey. 2,070,285; Feb. 9.
Fender for automobiles. F. L. O'Reilly. 2,070,173; Feb. 9.
Festoon drier, Double apron. A. O. Hurxthal. 2,070,483; Feb. 9.
Fibrous articles, Manufacture of partially soluble felted. W. B. Jones. 2,069,763; Feb. 9.
Filament section feeding machine. A. M. Griffith. 2,070,165; Feb. 9.
Filaments, Manufacture of multicolored. R. Bartunek, A. Hartmann, J. J. Stoeckly, and J. Uytenbogaart. 2,070,194; Feb. 9.
Filling means for subterranean tanks. F. A. Talbot. 2,069,930; Feb. 9.
Film composition, Thin flexible. P. A. van der Meulen. 2,069,787; Feb. 9.
Filter. S. F. Briggs. 2,070,039; Feb. 9.
Filter. C. T. Walton. 2,070,073; Feb. 9.
Filters, Apparatus for discharging. F. W. Young. 2,070,074; Feb. 9.
Fin tube. C. Muhleisen. 2,070,539; Feb. 9.
Flare, Highway. S. M. Johnson. 2,070,053; Feb. 9.
Flashlight and emergency traffic signal, Combination. E. Criswell. 2,070,472; Feb. 9.
Flashlight, Portable. A. C. Recker. 2,070,316; Feb. 9.
Floor covering, Producing a. J. C. Emhardt. 2,069,753; Feb. 9.
Florist wire dispenser. D. G. Metzgus. 2,070,139; Feb. 9.
Flow meter. C. P. Sherwood. 2,070,374–5; Feb. 9.
Fluid bearing. J. B. Crane. 2,070,115; Feb. 9.
Fluid distribution system. C. R. Alden. 2,069,744; Feb. 9.
Flywheel generator. G. F. Kuehn and G. A. Richroath. 2,070,485; Feb. 9.
Folding landing gear. A. G. Butler. 2,069,994; Feb. 9.
Folds in type strips used for casting bars of printers' type, Apparatus for making. J. Schneider. 2,070,183; Feb. 9.
Food product, Preparing. E. G. Jansen. 2,069,884; Feb. 9.
Footrest. D. L. Lehman. 2,070,054; Feb. 9.
Frame: *See*—
Heddle frame. Motor vehicle frame.
Frost protection for flush tanks. J. C. Kur. 2,070,363; Feb. 9.
Fruit coring machine. J. W. Pease. 2,070,311; Feb. 9.
Fryer, Deep fat. P. J. Legeros. 2,070,439; Feb. 9.
Fuel, Apparatus for burning liquid. A. A. La Pointe. 2,069,960; Feb. 9.
Fuel burning and recuperating device. F. D. Hoffman. 2,070,536; Feb. 9.
Fuel, Composition. F. H. Ford. 2,070,428; Feb. 9.
Fuel, Motor. A. O. Jaeger. 2,070,304; Feb. 9.
Fuel tank lock. B. B. Randrup. 2,069,901; Feb. 9.
Furnace: *See*—
Hardening furnace. Slagging boiler furnace.
Furnace tuyère. C. E. Harrison. 2,070,166; Feb. 9.
Furnace wall construction. M. Frisch. 2,070,267; Feb. 9.
Furniture. A. Ernest and I. Waldman. 2,070,160; Feb. 9.
Furniture web suspension plate. O. L. Kramer. 2,070,280; Feb. 9.
Gang-boring machine. O. F. Carpenter. 2,070,466; Feb. 9.
Gantry, Traveling. C. A. Hirschberg. 2,069,830; Feb. 9.
Garden implement. L. F. Coe. 2,070,041; Feb. 9.
Garment hanger, Portable. N. C. Leidgen. 2,070,408; Feb. 9.
Gas device or heater, Diesel. V. V. Webster. 2,070,189; Feb. 9.
Gas regulator. S. W. E. Andersson. 2,069,808; Feb. 9.
Gases, Separating and purifying. L. S. Twomey. 2,070,099; Feb. 9.
Gasoline, Improving the antidetonating quality of. A. E. Pew, Jr. 2,069,847; Feb. 9.
Gasoline metering assembly. P. N. Bjork and G. A. Burns. 2,069,990; Feb. 9.
Gauge: *See*—
Motor vehicle gauge.
Gear: *See*—
Folding landing gear.
Gear drive, Flexible. W. A. Brecht. 2,070,329; Feb. 9.
Gears, Method of cutting. E. Wildhaber. 2,070,191; Feb. 9.
Gem setting. J. Dinhofer. 2,070,157; Feb. 9.
Generator: *See*—
Flywheel generator. Steam generator.
Multifrequency generator.
Germicidal preparation. M. C. Hart. 2,070,080; Feb. 9.
Girdle, Detachable crotch. E. H. Miller, Jr., W. D. Schween, and W. L. Crosby. 2,070,515; Feb. 9.
Glass and an apparatus therefor, Feeding. S. G. Stuckey. 2,069,982; Feb. 9.
Glass mold. A. Rosa. 2,070,493; Feb. 9.
Granule, Colored. C. E. Hillers. 2,070,359; Feb. 9.
Gravity feed for cross-cut saw handles. J. N. Alexander. 2,070,106; Feb. 9.
Grease retainer with oil splasher. W. A. Heinze. 2,070,126; Feb. 9.
Grinder, Pin hole. J. Sunneu. 2,070,381; Feb. 9.
Grinding device. H. J. Perazzoli. 2,069,960; Feb. 9.
Grinding machine, Automatic. A. J. Lewis. 2,070,283; Feb. 9.
Guard, Bumper. O. F. Gottlieb. 2,070,429; Feb. 9.
Guard, Thumb. S. D. Bevill. 2,070,506; Feb. 9.
Guard, Wheel. R. W. Harroun. 2,070,230; Feb. 9.
Guards, Making bumper. C. R. Duncan. 2,070,424; Feb. 9.
Guilding device. F. Miller. 2,070,370; Feb. 9.
Gum, Corn starch dextrine remoistening. T. A. Bruce. 2,070,253; Feb. 9.
Gunfire, Apparatus for training in. C. H. Coates. 2,069,750; Feb. 9.
Hair, Apparatus for permanently waving. J. Wenter. 2,069,866; Feb. 9.
Hair, Cutting. K. A. Christy. 2,070,356; Feb. 9.
Hair waving apparatus. G. Decker and P. D. Spaeth, Jr. 2,070,422; Feb. 9.
Hair waving clamp. B. A. Sterling. 2,069,859; Feb. 9.

Halides, Curing poly vinyl. R. W. McGahey. 2,070,443; Feb. 9.
Hammer, Free piston pneumatic. S. Ohlsson. 2,070,552; Feb. 9.
Hand, Artificial. D. Friedman. 2,070,480; Feb. 9.
Hand brake. H. Fuchs. 2,070,008; Feb. 9.
Hand brake. H. J. Lounsbury. 2,070,017; Feb. 9.
Handle for paper cups. G. W. Snell. 2,070,414; Feb. 9.
Handle for receptacles, Detachable. B. Macklibank. 2,070,367; Feb. 9.
Hanger: *See*—
Garment hanger.
Hardening furnace. W. B. Sturges. 2,070,416; Feb. 9.
Harvester. H. D. Hume and J. E. Love. 2,070,083; Feb. 9.
Headwear, Article of. A. S. McDonald. 2,070,442; Feb. 9.
Heat extractor. B. R. Faunce. 2,070,427; Feb. 9.
Heat gatherer and deflector for motor vehicles. R. R. Jackson. 2,069,955; Feb. 9.
Heater: *See*—
Electric heater. Water heater.
Orchard heater.
Heater. C. P. Butler. 2,070,223; Feb. 9.
Heater. J. T. Hyde. 2,069,761; Feb. 9.
Heating device, Electrical. L. Hawkins. 2,070,482; Feb. 9.
Heating system, Electric. R. H. Park. 2,070,491; Feb. 9.
Heddle frame. A. B. and E. A. Gloor. 2,070,164; Feb. 9.
Hinging means. A. R. Glancy and W. M. Chamberlin. 2,069,756; Feb. 9.
Hoist, Snow plow. F. E. Brown. 2,070,153; Feb. 9.
Holder: *See*—
Broom holder. Lathe tool holder.
Clothes holder. Radio program holder.
Drink tube holder. Sponge holder.
Key holder.
Honey, Purification of extracted. R. E. Lothrop and H. S. Paine. 2,070,171; Feb. 9.
Hood, Transilluminating. W. D. Whiteside. 2,070,220; Feb. 9.
Hopper. J. S. Bennett. 2,070,152; Feb. 9.
Horseshoe. W. H. Laws, Sr. 2,069,888; Feb. 9.
Hose. A. D. Maciachlan. 2,069,891; Feb. 9.
Hose clamp. C. F. Schisler. 2,070,143; Feb. 9.
Hydraulic brake. A. B. Maddin. 2,070,440; Feb. 9.
Hydrocarbon material, Coking. A. J. Boynton. 2,069,815; Feb. 9.
Hydrocarbons, Conversion of. H. Tropsch. 2,069,785; Feb. 9.
Hydrogen sulphide from hydrocarbon gases, Removing. L. S. Twomey. 2,070,098; Feb. 9.
Ice cream. C. G. Spalding. 2,070,455; Feb. 9.
Ignition timer. A. A. Varela. 2,070,072; Feb. 9.
Ignition timer controlling mechanism. R. S. Trott. 2,069,931; Feb. 9.
Images on lenticulated films, Device for copying. K. Räntsch and H. Arni. 2,070,179; Feb. 9.
Implement for conditioning lawns. A. A. D. Kool. 2,069,958; Feb. 9.
Incinerator. M. H. Allen. 2,070,520; Feb. 9.
Indicator: *See*—
Liquid level indicator. Pitch indicator.
Ingot mold. E. Gathmann. 2,070,532; Feb. 9.
Ingot mold assembly. E. Gathmann. 2,070,533; Feb. 9.
Ink, Printing. H. A. Hauptli. 2,069,828; Feb. 9.
Ink, Printing. E. J. Kelly. 2,070,278; Feb. 9.
Ink to writing presses, Method of and apparatus for supplying. J. E. Hudson. 2,070,206; Feb. 9.
Innersole. J. V. Poole. 2,070,314; Feb. 9.
Innersole with attached rib. P. W. Valentine. 2,069,864; Feb. 9.
Insulating material having a high dielectric constant and producing the same. W. Soyck and A. Ungewiss. 2,069,903; Feb. 9.
Internal combustion engine. A. M. Niven. 2,069,843; Feb. 9.
Internal combustion engine, Rotary. B. L. Martin. 2,070,138; Feb. 9.
Iron as a precipitant, Preparation and use of. H. E. Keyes. 2,070,134; Feb. 9.
Irrigation system. P. De Lacy-Mulhall. 2,070,089; Feb. 9.
Isatin compounds useful for protection against moths, Manufacture of. J. Bindler. 2,070,351–2; Feb. 9.
Isatin compounds useful for protection against moths, Manufacture of. J. Bindler. 2,070,353; Feb. 9.
Jack for automobiles, Bumper carried lifting. A. C. Hoecker. 2,070,050; Feb. 9.
Jig for treating ore-bearing and like material. W. Ruoss. 2,070,069; Feb. 9.
Joint for concrete pavements and the like. C. Older. 2,069,899; Feb. 9.
Joint for concrete pavements and the like, Expansion. C. Older. 2,069,898; Feb. 9.
Joint: *See*—
Trunnion joint.
Juice extracting apparatus, Fruit. T. Finizio. 2,069,754; Feb. 9.
Key decoder. J. W. Fitz Gerald. 2,070,228; Feb. 9.
Key-holder. J. P. Gits. 2,070,546; Feb. 9.
Knife, Surgical. V. Leggiadro. 2,070,281; Feb. 9.
Knitting machine. V. Lombardi. 2,070,170; Feb. 9.
Knitting machine. E. H. Steere. 2,070,458; Feb. 9.
Ladder, Scaffolding. E. A. Nelson. 2,069,969; Feb. 9.
Lamp: *See*—
Surgical lamp.
Lamp cinematographic apparatus, Incandescent. K. Rosenberg. 2,069,851; Feb. 9.
Lamp support. D. S. Garber. 2,070,334; Feb. 9.
Lathe tool holder. T. C. Steward. 2,070,188; Feb. 9.
Laundry machinery. J. Evans. 2,070,528; Feb. 9.
Lead and oxides of lead, Apparatus for electrolytic production of. E. O. Cummings. 2,070,513; Feb. 9.
Leather, Dyeing. G. R. Pensel. 2,069,925; Feb. 9.
Lift cutting machine. L. F. Exley. 2,070,477; Feb. 9.
Lift for shoes, Detachable. F. T. Gentile. 2,070,229; Feb. 9.
Light: *See*—
Utility light.
Light reflecting means. W. F. Grote. 2,069,881; Feb. 9.
Lighter. T. M. Gibson. 2,070,121; Feb. 9.
Lighter, Pocket. L. Lenfant. 2,070,232; Feb. 9.
Lighting fixture, Explosion resisting. C. H. Bissell and H. P. Hastings. 2,070,195; Feb. 9.
Liquid dispensing means, Canned. I. M. Upperco and F. J. Joyce. 2,069,984; Feb. 9.
Liquid fuel burner. H C Shagaloff. 2,069,857; Feb. 9.
Liquid level indicator. H. G. M. Fischer. 2,069,917; Feb. 9.
Liquid level responsive device. H. A. Kuljian. 2,069,959; Feb. 9.
Liquids, Apparatus for dispensing. E. A. O'Leary. 2,070,517; Feb. 9.
Liquids, Process and apparatus for purifying. C. J. Rodman. 2,070,453; Feb. 9.
Lock: *See*—
Cylinder lock. Fuel tank lock.
Door lock. Reel lock.
Lock. E. N. Jacobi. 2,070,052; Feb. 9.
Lock. E. N. Jacobi. 2,070,276; Feb. 9.
Lock for the door of a refrigerator truck or car. C. R. Hennicke. 2,069,883; Feb. 9.
Lock operating means for automobiles. A. Wiebe. 2,070,103; Feb. 9.
Lock tool. T. K. Tarrie. 2,070,342; Feb. 9.
Loom with weft grab bars, Wire. W. Klemm. 2,070,361; Feb. 9.
Lubricant. M. H. Tuttle. 2,070,383; Feb. 9.
Lubricant. E. Wahlforss, C. L. Johnson, and G. Lacy. 2,069,790; Feb. 9.
Lubricants and manufacturing the same, Solid. B. H. Lincoln and E. W. Nelson. 2,070,014; Feb. 9.
Lubricated valve. R. Clade. 2,069,998–9; Feb. 9.
Lubricated valve. F. H. Morehead. 2,069,965; Feb. 9.
Lubricating apparatus. E. W. Davis. 2,070,003–4; Feb. 9.
Lubricating apparatus. S. J. Krannak. 2,070,013; Feb. 9.
Lure, Salmon. F. H. Schroeder. 2,069,972; Feb. 9.
Machine and apparatus for applying stays, bindings, and the like to shoes and other articles. F. W. Merrick. 2,070,019; Feb. 9.
Machine and process for making hair waving pads. C. J. Rohland. 2,069,776–7; Feb. 9.
Machine for folding cloth articles. J. E. Preston. 2,070,297; Feb. 9.
Machine for making carpets and other tufted or piled products. C. C. Brinton. 2,069,912; Feb. 9.
Machine for making pulp articles. R. W. Chapman. 2,070,040; Feb. 9.
Machine for shearing blocks from an extruded column of plastic material. E. Frey. 2,069,947; Feb. 9.
Machine for the manufacture of sheet-paper blocks. E. Danger. 2,070,394; Feb. 9.
Machine for treating shoe welts. C. G. Brostrom. 2,069,748; Feb. 9.
Mandrel for collapsible tube printing machines, Adjustable. G. W. Temple. 2,070,540; Feb. 9.
Mandrel for spinning metal. J. Squires. 2,069,858; Feb. 9.
Manganese values from carbonate ores, Obtaining. A. T. Sweet and J. D. MacCarthy. 2,070,496; Feb. 9.
Manganese values from ores containing them, Obtaining. A. T. Sweet and J. D. MacCarthy. 2,070,497; Feb. 9.
Marksmanship practicing device. W. P. Falkenberg. 2,070,529; Feb. 9.
Masher. J. Mantelet. 2,070,137; Feb. 9.
Mat, Table. H. A. Dick. 2,070,423; Feb. 9.
Material, Apparatus for producing surfacing. P. R. Smith. 2,070,300; Feb. 9.
Material with ozone and ultra violet rays, Method and apparatus for treating. H. J. Nicholls. 2,070,307; Feb. 9.
Materials and producing the same, Waterproofing. W. M. Driesen. 2,069,823; Feb. 9.
Materials, Device for radioactive impregnation of. E. Rosenberg and P. Happel. 2,069,850; Feb. 9.
Materials, Manufacture of felted proofed fibrous. T. A. Pascoe and R. P. Hella. 2,069,771; Feb. 9.
Matrix making machine. J. D. Morgan and H. N. Durham. 2,070,293; Feb. 9.
Members to the anterior of hollow articles, Attaching. A. E. Osborn. 2,070,296; Feb. 9.
Metal and producing same, Ferrous. A. Hayes and R. O. Griffis. 2,069,758; Feb. 9.
Metal cleaning. G. Lutz. 2,070,487; Feb. 9.

Metatarsal arch support. L. V. Hiles. 2,070,404; Feb. 9.
Meter: *See*—
Flow meter. Parking meter.
Modulation meter.
Metering and service control apparatus, Remote. F. L. O'Bryan. 2,070,340; Feb. 9.
Micro-manipulator. W. Bauersfeld. 2,070,037; Feb. 9.
Missile projecting device. H. A. Douglas. 2,069,821; Feb. 9.
Modulation meter. L. B. Arguimbau. 2,069,934; Feb. 9.
Mold: *See*—
Glass mold. Stereotype mold.
Ingot mold.
Molybdenite from copper sulphides, Separation of. E. H. Brown. 2,070,076; Feb. 9.
Motion reverser, Sleeveless. L. L. Schauer and A. M. Sosa. 2,070,372; Feb. 9.
Motor: *See*—
Alternating-current motor. Outboard motor.
Motor vehicle frame. C. R. Paton. 2,069,924; Feb. 9.
Motor vehicle gauge. R. D. Smith. 2,070,518; Feb. 9.
Mounting for timepieces. J. W. Mecklenburger. 2,070,018; Feb. 9.
Mounting mechanism for rotative aircraft sustaining wings. J. S. Pecker and A. E. Larsen. 2,069,846; Feb. 9.
Mounting, Pressure resisting shaft. M. Kurillo. 2,069,765; Feb. 9.
Mouthpiece and double ended reed for wind musical instruments. J. Topor. 2,069,784; Feb. 9.
Mower, Hand operated power driven lawn. P. E. Mack. 2,070,288; Feb. 9.
Muff, Ear. S. Rosenberg. 2,070,216; Feb. 9.
Muffler. B. B. Cary and C. Hollerith. 2,070,543; Feb. 9.
Multifrequency generator. V. H. Severy. 2,069,780; Feb. 9.
Multiple power wrench. W. Hall. 2,069,882; Feb. 9.
Musical instrument, Electric. H. F. Waters. 2,070,344; Feb. 9.
Nickel carbonyl, Manufacture of. C. F. R. Harrison and A. E. Wallis. 2,070,079; Feb. 9.
Nitrocellulose product. R. Weingand and A. Muchlinski. 2,070,248; Feb. 9.
Nut cracking device. A. J. Fix. 2,069,877; Feb. 9.
Nut, Manufacture of elastic stop. C. A. Swanstrom. 2,070,032; Feb. 9.
Nut, Spring. C. Dom and W. J. Moeller. 2,070,005; Feb. 9.
Oil and engine cooling system. E. O. Schjolin. 2,070,094; Feb. 9.
Oil burner. W. W. Hallinan. 2,070,357; Feb. 9.
Oil cooling system. W. R. Ramsaur. 2,070,092; Feb. 9.
Oil fraction and solvent recovery, Purification of. M. H. Tuttle. 2,070,385; Feb. 9.
Oil, Making a sulphur bearing. B. M. Carter, T. V. Fowler, and H. F. Merriam. 2,070,256; Feb. 9.
Oil pump. D. Gregg. 2,070,203; Feb. 9.
Oils, Conversion of hydrocarbon. C. H. Angell. 2,070,249; Feb. 9.
Oils into relatively low boiling point oils, Decomposing relatively high boiling point. R. A. Halloran and A. L. Stront. 2,070,124; Feb. 9.
Oils, Refining of mineral. M. H. Tuttle. 2,070,384; Feb. 9.
Oils, Treatment of hydrocarbon. J. C. Morrell. 2,070,294–5; Feb. 9.
Opener, Can. H. L. Dazey. 2,070,261; Feb. 9.
Opener, Can. T. A. Killman. 2,070,279; Feb. 9.
Operating device for coin-actuated machines. B. E. Mills. 2,070,021; Feb. 9.
Operator for roll top doors. E. H. McCloud. 2,070,058; Feb. 9.
Optical projection system. J. F. Leventhal. 2,070,282; Feb. 9.
Orchard heater. W. C. Scheu. 2,070,142; Feb. 9.
Ore, Apparatus for roasting. C. A. Gallagher and C. M. Allen. 2,070,531; Feb. 9.
Ore, Apparatus for screening. C. A. Gallagher and C. M. Allen. 2,070,530; Feb. 9.
Ores, Process of and apparatus for roasting. C. P. Debuch and E. Markworth. 2,069,875; Feb. 9.
Organic material, Preservation of. E. A. Chenault. 2,069,873; Feb. 9.
Outboard motor. F. T. Irgens. 2,070,405; Feb. 9.
Outboard motor. A. Lesage. 2,070,364; Feb. 9.
Outboard motor, Reversible. F. T. Irgens. 2,070,406; Feb. 9.
Packing machine and method of packing. R. E. Read. 2,069,926; Feb. 9.
Padlock. E. N. Jacobi. 2,070,012; Feb. 9.
Paint applying machine. J. A. Paasche. 2,069,844; Feb. 9.
Panel, Building. T. J. Foster. 2,070,479; Feb. 9.
Paper, Coated. P. A. van der Meulen. 2,069,786; Feb. 9.
Paper manufacture. T. R. Le Compte. 2,069,766; Feb. 9.
Paper products, Folding. I. Tornberg. 2,070,324; Feb. 9.
Paper roll braking mechanism. H. A. W. Wood. 2,070,327; Feb. 9.
Parallel operation of thyratrons. W. C. White. 2,070,462; Feb. 9.
Parking meter. S. L. Miller and R. C. Cook. 2,070,445; Feb. 9.
Parking unit, Rotary. L. S. Joslin. 2,069,886; Feb. 9.
Pattern, Efficiency graded. L. E. Pilla. 2,070,410; Feb. 9.
Pen, Piston fountain. A. Watanabe. 2,070,461; Feb. 9.
Phonograph. J. E. Reuholdt. 2,070,180; Feb. 9.
Photography. P. D. Brewster. 2,070,222; Feb. 9.
Picture apparatus, Motion. F. E. Tuttle. 2,070,033; Feb. 9.
Pigment, Making white lead. T. A. Mitchell. 2,070,213; Feb. 9.
Pile fabric, Porous coated. G. S. Hiers. 2,070,335; Feb. 9.
Pin holding device. J. Sunnen. 2,070,380; Feb. 9.
Pinking machine. H. C. Herschman. 2,070,402; Feb. 9.
Pipe coupling, Rubber lined. C. P. McHugh. 2,070,291; Feb. 9.
Piston for internal combustion motors. E. C. Long. 2,070,085; Feb. 9.
Pitch indicator. W. J. Blanchard. 2,069,991; Feb. 9.
Plaster cast cutting means. H. H. Hengstenberg. 2,070,358; Feb. 9.
Plaster composition, Wall. G. Witty. 2,070,036; Feb. 9.
Plastic material and method of making. E. R. Derby and G. J. Esselen. 2,070,331; Feb. 9.
Plastic materials, Recovery of cellulose organic ester. M. J. Reid. 2,070,027; Feb. 9.
Plastics, Embossing or decorating cellulosic. O. W. Olsen. 2,070,023; Feb. 9.
Platform box. F. H. Stoner. 2,070,070; Feb. 9.
Plow, Disk. H. G. Engel. 2,070,425; Feb. 9.
Plug: *See*—
Spark plug.
Plug and suppressor, Combined spark. B. B. Minnium. 2,070,516; Feb. 9.
Plural ply fabric. W. W. Rowe. 2,069,778; Feb. 9.
Pneumatic tube. M. A. Picardi. 2,070,066; Feb. 9.
Police-communication system. E. L. Bowles. 2,070,112; Feb. 9.
Power apparatus. C. B. Coates. 2,070,257; Feb. 9.
Power transmission, Automatic. W. A. Duffield. 2,070,262; Feb. 9.
Press: *See*—
Printing press.
Pressure regulating system, Automatic motor operated. E. Burke and A. K. Sorensen. 2,069,993; Feb. 9.
Pressure regulator. M. A. Powers. 2,070,411; Feb. 9.
Printing composition and process. I. F. Chambers. 2,070,467; Feb. 9.
Printing machine. C. J. Hueber. 2,070,549; Feb. 9.
Printing press, Rotary. F. A. Foster. 2,070,265; Feb. 9.
Printing process. R. W. Hardacre and A. Wormald. 2,069,919; Feb. 9.
Progressor mechanism for fruit treating machines. F. W. Cutler. 2,070,043; Feb. 9.
Projector for motion pictures. A. F. Victor. 2,070,325; Feb. 9.
Prop, Drop. O. N. Gredell. 2,070,046; Feb. 9.
Protector: *See*—
Ear protector.
Puller: *See*—
Railway tie puller. Tie puller.
Pulp, Dehydrating. J. F. Geary. 2,070,201; Feb. 9.
Pump: *See*—
Oil pump. Vacuum pump.
Pumping apparatus in the well, Repairing. H. L. Laughinghouse. 2,070,135; Feb. 9.
Rack: *See*—
Tie rack.
Rack for lumber, Display. H. W. Bishop. 2,070,507; Feb. 9.
Radio program holder. G. W. Leyen. 2,070,486; Feb. 9.
Radio receiving circuit. J. J. Brand. 2,070,354; Feb. 9.
Rail and rail-joint, Railway. S. G. Thomson. 2,070,246; Feb. 9.
Railway tie puller. E. C. Neal. 2,069,769; Feb. 9.
Rayon in cake form, Apparatus for treating. T. McConnell. 2,070,538; Feb. 9.
Razor, Safety. C. P. Keighley. 2,069,920; Feb. 9.
Razor, Safety. S. Samuel. 2,070,028; Feb. 9.
Reagents for metal alloys, Making. G. E. Sell. 2,070,185; Feb. 9.
Reaming tool. J. A. Zublin. 2,069,796; Feb. 9.
Record clamping means. H. C. Harrison. 2,069,827; Feb. 9.
Recording and reproducing system. J. B. Browning. 2,070,392; Feb. 9.
Recording mechanism. E. S. Ostler. 2,070,310; Feb. 9.
Reel lock. C. C. Spencer. 2,069,977; Feb. 9.
Refrigerating and cooling system, Automotive. N. Stramaglia. 2,070,379; Feb. 9.
Refrigerating apparatus. F. L. Chase. 2,070,330; Feb. 9.
Refrigerating apparatus. T. L. Chisholm and D. E. Maccabee. 2,070,421; Feb. 9.
Refrigerating system. G. G. Gilpin. 2,070,044; Feb. 9.
Refrigeration. A. Lenning. 2,069,839–40; Feb. 9.
Refrigeration. G. C. Pearce. 2,069,772; Feb. 9.
Refrigeration. H. M. Ullstrand. 2,069,865; Feb. 9.
Refrigerator. R. H. Richter. 2,069,902; Feb. 9.
Refrigerator, Domestic. E. G. Clements. 2,070,511; Feb. 9.

Refrigerators, Defrosting. W. Sluman. 2,069,782; Feb. 9.
Regulator: *See*—
Current regulator. Pressure regulator.
Gas regulator.
Regulator mechanism. F. E. Rice. 2,070,068; Feb. 9.
Remote control system. D. J. Stewart. 2,069,860; Feb. 9.
Resinous material suitable for use in chewing gum, Purifying. G. A. Hatherell. 2,070,047; Feb. 9.
Resinous products and compositions containing them, Phenolic. V. H. Turkington and W. H. Butler. 2,070,148; Feb. 9.
Respirator, Filter type. N. Schwartz. 2,070,241; Feb. 9.
Retene and other carbon compounds, Manufacture of. F. W. Muncie. 2,069,896; Feb. 9.
Riveting apparatus. R. S. Osborne. 2,070,309; Feb. 9.
Rivets, Apparatus for installing tubular. H. E. Waner. 2,069,907; Feb. 9.
Rod: *See*—
Ullage rod. Welding rod.
Roll, Textile. C. K. Dunlap. 2,069,945; Feb. 9.
Rolling pin cover, Sanitary. F. S. Dixon. 2,070,199; Feb. 9.
Rosin, Apparatus for refining. R. S. Hancock and A. Langmeier. 2,070,125; Feb. 9.
Rosin, Refining. J. N. Borglin. 2,069,992; Feb. 9.
Rotary core bit. L. S. Copelin. 2,070,001; Feb. 9.
Rotary drum drier. J. Essers. 2,070,227; Feb. 9.
Rouge feed for buffing machines, Automatic. R. S. Sperry. 2,070,322; Feb. 9.
Roughing cutter. R. F. McClenahan. 2,070,441; Feb. 9.
Ruching device. C. Seaman. 2,069,856; Feb. 9.
Rule. F. O. Carlson. 2,080,255; Feb. 9.
Safety attachment for a straight razor. W. J. Schultz. 2,069,973; Feb. 9.
Safety device for gas burners. R. S. Taylor and H. C. Shagaloff. 2,069,863; Feb. 9.
Safety device for phonographs. R. F. Massonneau. 2,069,841; Feb. 9.
Safety razor container. W. Wallenthin. 2,070,430; Feb. 9.
Salts of acylamino-phenol-arsonic acids, Easily soluble. L. Benda and O. Sievers. 2,070,109; Feb. 9.
Salts of organic ammonia derivatives and acid derivatives of nitrated anilines, Colored. K. Holzach and F. Lange. 2,070,275; Feb. 9.
Sandal, Spiked. C. O. Roe. 2,070,093; Feb. 9.
Saw setter. J. N. Alexander. 2,070,105; Feb. 9.
Scale, Recording. H. A. Hadley and G. Guldbrandsen. 2,070,011; Feb. 9.
Scale, Weighing. M. H. Hansen. 2,069,757; Feb. 9.
Scanning device. E. Traub. 2,070,460; Feb. 9.
Seal and protector for valves, Safety. P. Rich. 2,069,849; Feb. 9.
Seal for electric batteries, Protective. P. J. Faber. 2,070,426; Feb. 9.
Sear-mechanism for firearms. A. F. Laudensack. 2,069,887; Feb. 9.
Seat: *See*—
Adjustable seat. Theater seat.
Sewing machine. H. J. Ernst. 2,070,200; Feb. 9.
Sewing machines, Thread-cutter for. E. P. Spaine. 2,070,029; Feb. 9.
Sheathing, Corrugated. H. W. Greider and J. K. Sherman, Jr. 2,070,401; Feb. 9.
Shear, Flying. P. W. Matthews. 2,070,537; Feb. 9.
Shears, Pruning and like. R. C. Dickson. 2,070,225; Feb. 9.
Shelf attachment. L. Levien. 2,070,055; Feb. 9.
Shell for firearms. D. L. Woodberry. 2,069,794; Feb. 9.
Shield, Automobile glare. G. L. Kelly. 2,070,208; Feb. 9.
Shield for cap spinning machines, Balloon. S. M. Bear. 2,069,935; Feb. 9.
Shingle. W. B. Johnson. 2,070,130; Feb. 9.
Shipping container. F. K. Fildes and L. M. Showers, Jr. 2,069,739; Feb. 9.
Shirring device. C. Seaman. 2,069,855; Feb. 9.
Shock absorber. J. F. Wallace. 2,069,791; Feb. 9.
Shock absorber, Hydraulic. C. N. Mitchell. 2,070,409; Feb. 9.
Shock absorber, Hydraulic. R. A. Sandberg. 2,070,413; Feb. 9.
Shoe. M. Goldenberg. 2,070,269; Feb. 9.
Shoe and tongue therefor. C. Miller. 2,069,964; Feb. 9.
Shoe, Arch-supporting. J. Cutillo. 2,070,116; Feb. 9.
Shoetree and stretcher. A. Loeffler. 2,070,234; Feb. 9.
Shoes, Making. J. Cantelmo. 2,069,941; Feb. 9.
Shovel, Mechanical power. C. E. Stoltz. 2,070,415; Feb. 9.
Sickle. T. E. Wells. 2,070,190; Feb. 9.
Sign: *See*—
Electric flash sign.
Sign. A. M. Knauber. 2,070,407; Feb. 9.
Sign character, Collapsible. V. Fortunato and R. A. Catozella. 2,070,478; Feb. 9.
Signal system, Pneumatic. C. A. Campbell. 2,069,913; Feb. 9.
Signaling device. C. Miller. 2,070,020; Feb. 9.
Signaling system. W. H. Edwards and C. W. Halligan. 2,069,915; Feb. 9.
Signaling system for vehicles. E. J. Melvin. 2,069,895; Feb. 9.
Sinker and lure, Combination. H. C. Marlow. 2,070,514; Feb. 9.
Skating rink. A. H. Baer and E. B. McCabe. 2,069,811; Feb. 9.
Slagging boiler furnace. G. P. Jackson and F. H. Rosencrants. 2,069,834; Feb. 9.
Slipper, sandal, and the like. O. S. Dorr. 2,069,752; Feb. 9.
Smoke and fog effects, Producing. H. H. Batt. 2,070,038; Feb. 9.
Soap dispenser. C. G. Marhoff. 2,070,338; Feb. 9.
Soap particles, Making. H. J. Nicholls. 2,070,308; Feb. 9.
Sound and projection apparatus. J. Erwood. 2,070,226; Feb. 9.
Soundboard for pianos. P. H. Billhuber. 2,070,391; Feb. 9.
Sound recording and reproducing system. H. D. Arnold. 2,069,810; Feb. 9.
Spark gap apparatus. R. Dufour. 2,070,475; Feb. 9.
Spark plug. A. C. Hastings, Jr. 2,069,951; Feb. 9.
Speed control system for automotive vehicles. J. J. Huebscher. 2,070,432; Feb. 9.
Speed transmission, Variable. G. W. Swift, Jr. 2,070,382; Feb. 9.
Sponge, Bath. G. W. Grant. 2,070,123; Feb. 9.
Sponge holder. T. J. Burns. 2,070,420; Feb. 9.
Spool. C. K. Dunlap. 2,069,944; Feb. 9.
Spoon and fork. W. S. Warren. 2,070,034; Feb. 9.
Spout, Container. J. C. Buchen. 2,069,738; Feb. 9.
Sprays, Making liquid. C. Iddings. 2,070,167; Feb. 9.
Springboard. H. N. Stevenson. 2,070,494; Feb. 9.
Spring suspension. V. W. Kliesrath. 2,069,764; Feb. 9.
Stabilizer, Thyratron inverter. A. H. Mittag. 2,070,446; Feb. 9.
Stamp, Hand. M. M. Corey. 2,070,512; Feb. 9.
Stand: *See*—
Water service stand.
Starter attachment, Cushion drive. A. Johnson. 2,070,277; Feb. 9.
Steam generator. G. W. Saathoff. 2,070,182; Feb. 9.
Steam scrubber. C. W. Rice. 2,070,067; Feb. 9.
Stencil sheet. M. E. Ryan. 2,070,181; Feb. 9.
Stereotype casting machine, Multiple. H. A. W. Wood. 2,070,328; Feb. 9.
Stereotype mold. T. C. Korsmo. 2,070,438; Feb. 9.
Sterilizing process. A. Y. Dodge. 2,069,820; Feb. 9.
Stitched fabric. H. Diem. 2,069,819; Feb. 9.
Stoker construction. O. L. Bardes. 2,070,389; Feb. 9.
Stoker, Mechanical. W. D. Burton. 2,069,940; Feb. 9.
Stop guide adjustment for printing presses. W. Gegenheimer. 2,069,918; Feb. 9.
Stop motion for circular looms. J. Jabouley and R. Yeadon. 2,069,954; Feb. 9.
Storage and display of goods, Apparatus for the. H. D. King. 2,070,168; Feb. 9.
Strainer and valve, Combination. H. C. Easter. 2,070,395; Feb. 9.
Strainer, Eavestrough. A. S. Wahl. 2,070,500; Feb. 9.
Strainer, Rotary. D. R. McNeal. 2,069,963; Feb. 9.
Strip uncoiling machine. E. W. Mikaelson and A. K. Hamilton. 2,070,444; Feb. 9.
Structural member, Welded fabricated. K. O. Keller. 2,070,306; Feb. 9.
Suction cup. J. H. Cohen. 2,069,942; Feb. 9.
Sulphur dioxide, Method and apparatus for making. E. J. Mullen. 2,070,236; Feb. 9.
Sulphur dioxide, Production of. E. J. Mullen. 2,070,235; Feb. 9.
Sulphur dioxide, Production of. E. J. Mullen. 2,070,237; Feb. 9.
Support: *See*—
Arm support. Metatarsal arch support.
Bearing support. Tile support.
Lamp support. Work support.
Supporter, Hose. S. Lipton. 2,070,016; Feb. 9.
Surface decorating method and apparatus. G. von Webern and E. W. Hamant. 2,069,789; Feb. 9.
Surgical lamp. E. H. Greppin. 2,069,950; Feb. 9.
Switch: *See*—
Combination limit switch. Traffic signal switch.
Direction indicator switc
Switch. B. A. Durham. 2,069,946; Feb. 9.
Switch. R. W. Lowell. 2,070,337; Feb. 9.
Switch and intersection, Railway. V. Theodos. 2,069,904; Feb. 9.
Tank and bomb rack, Releasable. R. D. Carleton and C. G. Trimbach. 2,069,996; Feb. 9.
Tanks, Method for enameling. W. G. Martin. 2,070,368; Feb. 9.
Tap. F. E. Rice. 2,070,412; Feb. 9.
Target structure. H. A. Douglas. 2,069,822; Feb. 9.
Telegraphy with diversity reception, Multiplex cable code. H. H. Beverage. 2,070,418; Feb. 9.
Tent, Play. N. Staab. 2,070,244; Feb. 9.
Terracer. A. L. Kennedy. 2,070,436; Feb. 9.
Theater seat. M. T. Vandervoort. 2,070,387; Feb. 9.
Therapeutic compound. S. Ruben. 2,070,240; Feb. 9.
Thermometer. H. R. Whittier. 2,070,221; Feb. 9.
Thermoplastic product and forming same. W. F. St. Clair. 2,070,242; Feb. 9.
Thermostat. R. P. Jameson. 2,070,433; Feb. 9.
Thiazoles, Preparation of mercapto aryl. A. M. Clifford. 2,070,522; Feb. 9.
Thiazyl derivatives, Preparing. A. M. Clifford. 2,070,523; Feb. 9.
Thickener, Operating. H. F. Adams. 2,069,989; Feb. 9.
Thimble, Sewing. C. M. Gitzen. 2,070,078; Feb. 9.

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Tie puller. E. C. Neal. 2,069,770 ; Feb. 9.
Tie rack. G. L. Pace. 2,070,174 ; Feb. 9.
Tile support. H. P. Grohn. 2,070,547 ; Feb. 9.
Timing instrument. L. P. Dorsett. 2,069,876 ; Feb. 9.
Tire chain. J. Senft. 2,070,187 ; Feb. 9.
Toaster. S. Freeman. 2,070,333 ; Feb. 9.
Toaster, Automatic. M. Ireland. 2,070,128 ; Feb. 9.
Toaster casing. M. Ireland. 2,070,129 ; Feb. 9.
Toaster with detachable doors, Electric. J. J. Gough. 2,070,534 ; Feb. 9.
Tool : *See*—
Drilling tool. Reaming tool.
Lock tool.
Tool. W. E. Seger. 2,070,217 ; Feb. 9.
Tool and making same. J. H. L. De Bats. 2,070,156 ; Feb. 9.
Tool for performing operations on metal or other substances, Machine. G. L. Murray. 2,069,921 ; Feb. 9.
Tools, Preparation of grinding or polishing. E. Elbel and O. Sussenguth. 2,070,158 ; Feb. 9.
Tower, Fractionating. L. S. Twomey. 2,070,100 ; Feb. 9.
Toy. M. Fleishman. 2,070,007 ; Feb. 9.
Toy, Figure. W. L. Pryor. 2,070,452 ; Feb. 9.
Toy vehicle. L. Carl. 2,070,465 ; Feb. 9.
Track, Method and apparatus for repairing railway. W. P. Day. 2,070,260 ; Feb. 9.
Track shunting apparatus. G. W. Baughman. 2,069,870 ; Feb. 9.
Traffic controlling apparatus, Railway. H. A. Thompson. 2,069,905 ; Feb. 9.
Traffic signal switch, Automatic. C. M. Rushing. 2,070,454 ; Feb. 9.
Trailer, Dirigible. C. Runyan. 2,069,928 ; Feb. 9.
Trailer, Track. H. H. Linn. 2,070,015 ; Feb. 9.
Transformer, Mechanical amplifying and reducing speed. A. Claude and W. Manet. 2,070,510 ; Feb. 9.
Transmission, Automatic. R. M. Nardone. 2,070,215 ; Feb. 9.
Transmission mechanism. E. S. Spinney. 2,070,456 ; Feb. 9.
Transmission system, Electrical. C. F. Stromeyer. 2,070,071 ; Feb. 9.
Trap : *See*—
Vacuum breaker trap.
Tray. H. Klein. 2,069,957 ; Feb. 9.
Tray moving device for ovens. E. C. Hillman. 2,070,049 ; Feb. 9.
Truck, Floor. F. J. Shepard, Jr. and N. Warshaw. 2,070,095 ; Feb. 9.
Trunnion joint, Cushioned. G. H. Hufferd. 2,070,051 ; Feb. 9.
Truss for pistons, Adjustable. Z. A. Bruegger. 2,070,197 ; Feb. 9.
Tube : *See*—
Fin tube. Pneumatic tube.
Tube connecting device. F. E. Key. 2,070,084 ; Feb. 9.
Tubes, Method and apparatus for making inner. B. C. Eberhard. 2,070,525 ; Feb. 9.
Tubing and process and apparatus for producing the same. R. Weingand and A. Muchlinski. 2,070,247 ; Feb. 9.
Tubing, or the like, Apparatus for making rubber. S. W. Alderfer. 2,070,388 ; Feb. 9.
Tubing, Process and apparatus for drying. C. Börner. 2,070,252 ; Feb. 9.
Tufting machine. W. Loos. 2,070,287 ; Feb. 9.
Type-casting machine. J. Schneider. 2,070,184 ; Feb. 9.
Typewriter attachment for handling continuous duplicate record sheets. R. J. Copeland. 2,070,042 ; Feb. 9.
Typewriting machine. W. F. Helmond. 2,069,829 ; Feb. 9.
Typewriting machine. H. L. Pitman. 2,070,026 ; Feb. 9.
Ullage rod. O. Watson. 2,069,792-3 ; Feb. 9.
Utensil, Cooking. G. Tomei. 2,070,519 ; Feb. 9.
Utility light. G. E. Hickey. 2,070,518 ; Feb. 9.
Vacuum breaker trap. A. Gordon. 2,070,202 ; Feb. 9.
Vacuum cleaner. B. D. Goldberg. 2,069,949 ; Feb. 9.
Vacuum filling machine. S. B. Hoar. 2,070,302 ; Feb. 9.
Vacuum filling machine. C. W. Souther. 2,070,301 ; Feb. 9.
Vacuum pump. C. J. Westin. 2,070,151 ; Feb. 9.
Valve : *See*—
Cable operated valve. Lubricated valve.
Engine poppet valve.
Valve. S. J. Nordstrom. 2,070,490 ; Feb. 9.
Valve for percussive tools. A. G. Slatcher. 2,070,299 ; Feb. 9.
Valve mechanism. A. W. Stevens. 2,069,783 ; Feb. 9.
Valve mechanism for gasoline stoves or the like. G. E. Pickup. 2,069,848 ; Feb. 9.
Valve seats, Reconstructing. F. O. Albertson. 2,069,933 ; Feb. 9.
Valve used in combustion chambers, Rotary or sleeve. F. M. Brooke. 2,069,938 ; Feb. 9.
Valve with resilient base, Lubricated. R. Clade. 2,070,000 ; Feb. 9.
Vapors, Condensation of metallic. G. F. Weaton and H. K. Najarian. 2,070,101 ; Feb. 9.
Vegetable fibers, Treating. T. P. Haughey. 2,070,273 ; Feb. 9.
Vehicle. L. Ruthenburg. 2,069,852 ; Feb. 9.
Vehicle and accessory therefor. W. A. Richter. 2,069,070 ; Feb. 9.
Vehicle, Automotive. H. E. Swift. 2,070,245 ; Feb. 9.
Vehicle, Motor. J. M. Burgess. 2,070,113 ; Feb. 9.
Vehicle, Motor. H. C. Marmon and G. H. Freers. 2,070,289 ; Feb. 9.
Vehicle suspension. P. M. Bourdon. 2,069,911 ; Feb. 9.
Venetian blind clamp. B. Bennett. 2,070,110 ; Feb. 9.
Vent, Liquid seal. R. A. Hetzer. 2,070,204 ; Feb. 9.
Visor for rear view mirrors, Antiglare. W. Kangas. 2,070,434 ; Feb. 9.
Voltage of storage batteries, Controlling the charging. F. G. Beetem. 2,069,737 ; Feb. 9.
Warning device, Full-tank. H. J. G. Rudolf and M. Lenk. 2,069,779 ; Feb. 9.
Washing machine. H. Zarafu. 2,070,192 ; Feb. 9.
Watch synchronizer. E. A. Wick. 2,069,909 ; Feb. 9.
Water heater. E. J. Hansen. 2,070,535 ; Feb. 9.
Water service stand. B. H. Black. 2,070,196 ; Feb. 9.
Weather strip. C. M. Eveleth. 2,069,916 ; Feb. 9.
Weather strip. J. F. Schwab. 2,070,373 ; Feb. 9.
Webs, Method of and apparatus for splicing. O. C. Roesen. 2,070,317 ; Feb. 9.
Welding rod. E. Vaders. 2,069,906 ; Feb. 9.
Welding torch. E. M. Eveleth. 2,070,396 ; Feb. 9.
Well elevator. R. G. Burlingame and J. M. Clampitt. 2,070,114 ; Feb. 9.
Well flow head. K. W. Weldinger. 2,070,326 ; Feb. 9.
Wells, Apparatus for cementing. H. E. Hough. 2,070,303 ; Feb. 9.
Wheel : *See*—
Abrasive wheel.
Wheel. R. C. Hoffman. 2,069,952 ; Feb. 9.
Wheel and balancing the same, Grinding. C. J. Hudson. 2,070,360 ; Feb. 9.
Wheel suspension mechanism, Individual. W. E. Echterling. 2,070,526 ; Feb. 9.
Winder. B. A. Peterson. 2,070,371 ; Feb. 9.
Window, Vehicle. B. A. Woina. 2,070,502 ; Feb. 9.
Wing spoiler. B. G. Eaton, Jr., and H. A. Sutton. 2,070,006 ; Feb. 9.
Wiper, Reed. B. Stirn. 2,070,218 ; Feb. 9.
Wire coating mechanism. G. Weiss. 2,070,035 ; Feb. 9.
Wood-faced material, Flexible. A. Elmendorf. 2,070,527 ; Feb. 9.
Wool and other animal fiber textile materials, Scouring and bleaching of. L. H. Mason. 2,070,210 ; Feb. 9.
Work support. S. I. MacDuff. 2,069,890 ; Feb. 9.
Woven fabric. C. H. Stern. 2,070,243 ; Feb. 9.
Wrench : *See*—
Multiple power wrench.
Wrench. J. Nielsen. 2,069,842 ; Feb. 9.
Wrench. J. O. Schou. 2,069,976 ; Feb. 9.
X alkylidene and x-alkyl cyclopentanone. A. St. Pfau 2,069,861 ; Feb. 9.
Yarn from cellulose acetate, Lusterless. H. G. Stone and H. R. Childs. 2,070,031 ; Feb. 9.
Yarns or filaments, Manufacture or treatment of. G. Schneider. 2,069,971 ; Feb. 9.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 9, 1937

NOTE.—First number = class, second number = subclass, third number = patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Agfa Ansco Corporation, Binghamton, N. Y. Photographic cameras. Serial No. 386,839; Feb. 16. Class 26.

Air Conditioning Products Company. (See Belanger, John T.)

Allegheny County Workhouse and Inebriate Asylum, Blawnox, Pa. Brooms. Serial No. 386,282; Feb. 16. Class 29.

Allodyne Company. (See Smith, Ray.)

American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. Serial No. 386,714; Feb. 16. Class 10.

American Dyeing Corporation, Rockville, Conn. Silk and rayon piece goods. Serial No. 386,627; Feb. 16. Class 42.

American Record Corporation, New York, N. Y. Phonograph records and record blanks. Serial No. 386,882; Feb. 16. Class 36.

Anchor Duck Mills, Rome, Ga., and Boston, Mass. Laundry net bags. Serial No. 386,474; Feb. 16. Class 24.

Atlas Brewing Company, Chicago, Ill. Beer. Serial No. 380,858; Feb. 16. Class 48.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Whiskey. Serial No. 385,772; Feb. 16. Class 49.

Automatic Burner Corporation, Chicago, Ill. Oil burners and parts. Serial No. 386,842; Feb. 16. Class 34.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. Serial No. 386,884; Feb. 16. Class 29.

Baker, R. A., Versailles, Ky. Whiskey. Serial No. 385,963; Feb. 16. Class 49.

Banks, Al A., doing business as Lyk-Nu Company, New York, N. Y. Furniture and automobile polish. Serial No. 383,459; Feb. 16. Class 16.

Bauer Type Foundry, Inc., The, New York, N. Y. Type faces. Serial Nos. 386,786–8; Feb. 16. Class 14.

Belanger, John T., doing business as Air Conditioning Products Company, Detroit, Mich. Shutters and dampers. Serial No. 386,089; Feb. 16. Class 34.

Bersin Playthings, Inc., New York, N. Y. Games and toys. Serial No. 383,343; Feb. 16. Class 22.

Bethlehem Steel Company, Bethlehem, Pa. Coated telephone wire. Serial No. 386,144; Feb. 16. Class 21.

Birnbach Radio Co., Inc., New York, N. Y. Radio receivers and parts. Serial No. 384,024; Feb. 16. Class 21.

Braun, Karl A., doing business as Wilhelm Herwig, Markneukirchen, Germany. Flutes, mandolins, lutes, etc. Serial No. 379,169; Feb. 16. Class 36.

Brod, Meyer, doing business as Brodmoor Frocks, Chicago, Ill. Dresses. Serial No. 386,631; Feb. 16. Class 39.

Brodmoor Frocks. (See Brod, Meyer.)

Brooks Oil Company, The, Cleveland, Ohio. Lubricating oil. Serial No. 386,401; Feb. 16. Class 15.

Bruckmann Company, The, Cincinnati, Ohio. Beer and ale. Serial No. 386,200; Feb. 16. Class 48.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Electrically refrigerated beverage coolers. Serial No. 386,337; Feb. 16. Class 31.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard chalk. Serial No. 386,342; Feb. 16. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Masking tape. Serial No. 386,352; Feb. 16. Class 5.

Burgess, C. F., Laboratories, Inc., Chicago, Ill. Granular mineral material. Serial No. 384,368; Feb. 16. Class 31.

Cain, John M., doing business as Florida Distributing Company, West Palm Beach, Fla. Wax polish. Serial No. 384,841; Feb. 16. Class 16.

Candyland Vendors, Incorporated, Seattle, Wash. Vending machines. Serial No. 379,418; Feb. 16. Class 23.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Anti-freeze compounds. Serial No. 386,479; Feb. 16. Class 6.

Caterpillar Tractor Co., San Leandro, Calif. Tractors, planers, scarifiers, etc. Serial No. 386,675; Feb. 16. Class 23.

Caulk, L. D., Company, The, Milford, Del. Dental impression trays. Serial No. 385,434; Feb. 16. Class 44.

Cavignac, Frank H., Associates, Glendale, Long Island, N. Y. Golf balls, golf clubs, and golf bags. Serial No. 385,559; Feb. 16. Class 22.

Cela Holding, S. A., Luxembourg, Luxembourg, and Paris, France. Power transmission belts, fan belts, mechanical driving cables, etc. Serial No. 384,027; Feb. 16. Class 35.

Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. Serial No. 385,435; Feb. 16. Class 46.

Century Lighting, Inc., New York, N. Y. Electrically operated light projectors. Serial No. 385,971; Feb. 16. Class 21.

Chancy Toy & Novelty Corp., Brooklyn, N. Y. Leather holster for regulation firearms. Serial No. 374,126; Feb. 16. Class 9.

Charles & Co., New York, N. Y. Whiskey. Serial No. 386,403; Feb. 16. Class 49.

Colonial Liquor Distributors, Inc., Kingston, N. Y. Whiskey. Serial No. 386,531; Feb. 16. Class 49.

Communication Engineers, Inc., Seattle, Wash. Sensitive electrical pick-up devices for amplifying sounds. Serial No. 386,791; Feb. 16. Class 21.

Consolidated Beverages Limited, Toronto, Ontario, Canada. Beverages and syrups and extracts used in making the same. Serial No. 380,555; Feb. 16. Class 45.

Continental Foods Corporation, Los Angeles, Calif. Baked beans. Serial No. 387,115; Feb. 16. Class 46.

Cook, Lucius P., doing business as L. P. Cook, Memphis, Tenn. Stock and poultry feed. Serial No. 385,832; Feb. 16. Class 46.

Corn Products Refining Company, New York, N. Y. Dextrose tablets in the nature of confectionery. Serial No. 387,033–4; Feb. 16. Class 46.

Crane Co., Chicago, Ill. Kitchen sinks, lavatories, bathtubs, etc. Serial No. 381,191; Feb. 16. Class 13.

Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control apparatus, electrical machines, and electrical supplies, etc. Serial No. 385,779; Feb. 16. Class 21.

Daroff, H., & Sons, Inc., Philadelphia, Pa. Suits, trousers, top-coats, etc. Serial No. 372,962; Feb. 16. Class 39.

Decorative Cabinet Corp., Brooklyn and New York, N. Y. Wood framed cardboard cabinets, chests, and boxes. Serial No. 386,073; Feb. 16. Class 2.

Dingfelder & Balish, New York, N. Y. Potatoes. Serial No. 385,250; Feb. 16. Class 46.

Dixie Stores, Incorporated, Greenville, S. C. Plain and self-rising wheat flour. Serial No. 383,087; Feb. 16. Class 46.

Dried Food Products Co., Maywood, Calif. Meringue powder. Serial No. 386,016; Feb. 16. Class 46.

Dritz-Traum Company, New York, N. Y. Shelf edging and shelf covering. Serial No. 384,030; Feb. 16. Class 20.

Eastern Outfitting Co. of Los Angeles, Cal., Los Angeles, Huntington Park, Pasadena, and Long Beach, Calif. Electrical kitchen unit. Serial No. 382,046; Feb. 16. Class 21.

Educational Enterprises, Chicago, Ill. Game or toy building discs. Serial No. 385,569; Feb. 16. Class 22.

Edwards, Henry J., doing business as Whippet Blade Co., Boston, Mass. Safety razor blades. Serial No. 357,047; Feb. 16. Class 23.

Ehrlich, Fred S., Los Angeles, Calif. Raw coffee and coffee kernels. Serial No. 386,638; Feb. 16. Class 46.

Eugene, Limited, New York, N. Y. Permanent wave contactors and permanent wave supplies. Serial No. 386,706; Feb. 16. Class 44.

Farnsworth Television Incorporated, San Francisco, Calif. Radio transmitting and receiving sets, television transmitting and receiving sets, etc. Serial No. 384,741; Feb. 16. Class 21.

Florida Cane Products Corporation, Miami, Fla. Gin. Serial No. 386,156; Feb. 16. Class 49.

Florida Distributing Company. (See Cain, John M.)

Florida Leaky Roof Paint Company, Bradenton, Fla. Paint paste. Serial No. 383,301; Feb. 16. Class 16.

Ford, Bertha S., doing business as Ford's Drug Stores, Cumberland, Md. Medicinal tablets. Serial No. 386,800; Feb. 16. Class 6.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. Serial No. 386,365; Feb. 16. Class 49.

Gates, Hiram T., Richmond, Va. Polishing preparations possessing cleaning properties. Serial No. 385,351; Feb. 16. Class 16.

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 386,645; Feb. 16. Class 46.

General Printing Ink Corporation, New York, N. Y. Varnish. Serial No. 386,943; Feb. 16. Class 16.

Gimbel Brothers, Inc., New York, N. Y. Whiskey. Serial No. 386,024; Feb. 16. Class 49.

Goldsmith Bros., New York, N. Y. Golf balls. Serial No. 385,517; Feb. 16. Class 22.

Gould Storage Battery Corporation, St. Paul, Minn. Storage batteries. Serial No. 382,118; Feb. 16. Class 21.

Goyer Company, The, Greenville, Miss. Coffee. Serial No. 377,920; Feb. 16. Class 46.

Gritz, Harry, doing business as Harry Gritz Liquor Store, Washington, D. C. Whiskey. Serial No. 385,786; Feb. 16. Class 49.

Haas-Jordan Company, Toledo, Ohio. Umbrellas. Serial No. 387,065; Feb. 16. Class 41.

Hall Hardware Company, Minneapolis, Minn. Paints and varnishes. Serial No. 381,937; Feb. 16. Class 16.

Hall Hardware Company, Minneapolis, Minn. Radio tubes. Serial No. 381,938; Feb. 16. Class 21.

Hastings, Arthur C., Jr., doing business as The Oano Company, Boston, Mass. Spark plugs. Serial No. 386,896; Feb. 16. Class 21.

Heddon's James, Sons, Dowagiac, Mich. Fishing rods, parts thereof, and cases therefor, artificial baits, etc. Serial No. 380,352; Feb. 16. Class 22.

Heimers, Rodolfo, Mexico, D. F., Mexico. Tennis rackets, palettes, baseball bats, etc. Serial No. 384,707; Feb. 16. Class 22.
Herwig, Wilhelm. (See Braun, Karl A.)
Hofscher, William H., Wilkinsburg, Pa. Game board. Serial No. 373,216; Feb. 16. Class 22.
Holeproof Hosiery Co., Milwaukee, Wis. Underwear for women. Serial No. 386,255; Feb. 16. Class 39.
Holyoke Wholesale Grocery Co., Inc., Holyoke, Mass. Canned vegetables. Serial No. 387,129; Feb. 16. Class 46.
Home Manufacturing Company. (See McEvoy, John H.)
Humoco Corporation, Louisville, Ky. Containers, packages, bags, etc. Serial No. 384,083; Feb. 16. Class 2.
Hygienic Service, Inc., New York, N. Y. Antiseptic and germicidal liquid. Serial No. 385,406; Feb. 16. Class 6.
Ideal Novelty & Toy Company, Long Island City, N. Y. Dolls, costumes for dolls, parts of costumes for dolls, etc. Serial No. 386,161; Feb. 16. Class 22.
Ideal Roller & Manufacturing Company, Chicago, Ill. Composition rollers. Serial Nos. 383,738–40; Feb. 16. Class 23.
Instant Tire Service, Inc., LaCrosse, Wis. Automobile and storage batteries. Serial No. 384,898; Feb. 16. Class 21.
Johnson, S. C., & Son, Inc., Racine, Wis. Wax and lacquer. Serial No. 374,667; Feb. 16. Class 16.
Josef Knitted Fabrics, Inc., New York, N. Y. Piece goods. Serial No. 386,258; Feb. 16. Class 42.
Katz, Abe M., Company, Robstown, Tex. Fresh vegetables. Serial No. 387,189; Feb. 16. Class 46.
Kohn, David, New York, N. Y. Games. Serial No. 385,295; Feb. 16. Class 22.
Kohn, Herbert, Inc., New York, N. Y. Combination short and wrap-around skirt. Serial No. 386,996; Feb. 16. Class 39.
Kolmar, Inc., Cincinnati, Ohio. Whiskey. Serial No. 385,738; Feb. 16. Class 49.
Korn, Wm., Inc., New York, N. Y. Lithographic rubbing ink, lithographic liquid tusche, lithographic transfer ink, etc. Serial No. 386,952; Feb. 16. Class 11.
Laird and Company, Scobeyville and Eatontown, N. J. Brandy. Serial Nos. 385,670–1; Feb. 16. Class 49.
Lehman, Herman, New York, N. Y. Watches, watch cases, watch parts, etc. Serial No. 386,261; Feb. 16. Class 27.
Lewin, A. M., Lumber Co., The, Cincinnati, and Madisonville, Cincinnati, Ohio. Display racks. Serial No. 370,384; Feb. 16. Class 32.
Linker & Herbert, Inc., New York, N. Y. Woolen and wool mixture fabrics in the piece. Serial No. 386,955; Feb. 16. Class 42.
Loungewear Inc., New York, N. Y. Negligees, costume slips, shorts for underwear, etc. Serial No. 385,985; Feb. 16. Class 39.
Lowenfels, Frederick F., & Son, New York, N. Y. Glass butter dish and cover. Serial No. 382,756; Feb. 16. Class 33.
Lyk-Nu Company. (See Banks, Al A.)
Madrazo, Mariano F., Venice, Italy. Paint colors and paints. Serial No. 384,092; Feb. 16. Class 16.
Major Foods. (See Scotland, Bayard S.)
Mallinson Fabrics Corporation, New York, N. Y. Fabrics. Serial No. 384,214; Feb. 16. Class 42.
Marlin Firearms Company, The, New Haven, Conn. Safety razor blades. Serial No. 385,266; Feb. 16. Class 23.
Marshall Field & Company, Chicago, Ill. Women's and children's coats and dresses. Serial No. 385,728; Feb. 16. Class 39.
McCurrach Organization Incorporated, New York, N. Y. Neckties and mufflers. Serial No. 387,139; Feb. 16. Class 39.
McEvoy, John H., doing business as Home Manufacturing Company, Decatur, Ill. Ladies' house dresses. Serial No. 381,508; Feb. 16. Class 39.
Menasha Wooden Ware Corporation, Menasha, Wis. Wooden containers. Serial No. 385,894; Feb. 16. Class 2.
Metallic Products Company, Incorporated, Camden, N. J. Paints and varnishes. Serial No. 384,664; Feb. 16. Class 16.
Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Machines to pasteurize or cook foods and beverages. Serial No. 384,162; Feb. 16. Class 23.
Midway Chemical Company, Chicago, Ill. Mops. Serial No. 370,011; Feb. 16. Class 29.
Monark Battery Company, Inc., Chicago, Ill. Storage batteries for automobiles. Serial Nos. 386,867–8; Feb. 16. Class 21.
Monsanto Chemical Company, St. Louis, Mo. Materials adapted to promote and accelerate the drying of siccative oils and siccative oil containing compositions. Serial No. 379,968; Feb. 16. Class 16.
Moore, Frank W., Redlands, Calif. Fresh citrus fruit and citrus juices. Serial No. 385,797; Feb. 16. Class 46.
National Fruit Product Company, Inc., Washington, D. C. Peanut butter. Serial No. 386,652; Feb. 16. Class 46.
National Ideal Company, The, Toledo, Ohio. Brooders, feeding and watering receptacles, etc. Serial No. 377,991; Feb. 16. Class 50.
New England Whiting Company, East Boston, Mass. Paint in dry form. Serial No. 386,686; Feb. 16. Class 16.
Niblack, H. D., doing business as Dr. Niblack Laboratories, Denver, Colo. Electric diagnostic machines. Serial No. 383,594; Feb. 16. Class 44.
Norma-Hoffmann Bearings Corporation, Stamford, Conn. Ball bearings. Serial No. 386,373; Feb. 16. Class 23.
Norris Incorporated, Atlanta, Ga. Candy. Serial No. 385,302; Feb. 16. Class 46.
Nu-Texture Company. (See Rathus, Max.)
Oano Company, The. (See Hastings, Arthur C., Jr.)
Odora Company, Inc., New York, N. Y. Corrugated pasteboard knock-down cabinets for clothing. Serial No. 379,008; Feb. 16. Class 2.
Overbrook Company, Inc., The, Baltimore, Md. Whiskey and gin. Serial No. 386,374; Feb. 16. Class 49.
Ox Fibre Brush Company, Inc., New York, N. Y., and Frederick, Md. Clothes brushes. Serial No. 386,496; Feb. 16. Class 29.
Passmore, Everett L., doing business as Red Arrow Products Co., Philadelphia, Pa. Spark plugs. Serial No. 385,746; Feb. 16. Class 21.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Hosiery. Serial No. 387,049; Feb. 16. Class 39.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 386,333; Feb. 16. Class 46.
Prestole Devices, Inc., Detroit, Mich. Locking plates for holding screws in sheet metal. Serial No. 386,318; Feb. 16. Class 13.
Rahmann, Arthur H., doing business as Geo. Rahmann & Co., New York, N. Y. Leather belting. Serial No. 385,991; Feb. 16. Class 35.
Raico Undergarment Corp, New York, N. Y. Slips. Serial No. 385,990; Feb. 16. Class 39.
Rapaport, David B., doing business as Rapaport Brothers, Chicago, Ill. Toy apparatus and materials. Serial No. 386,443; Feb. 16. Class 22.
Rathus, Max, doing business as Nu-Texture Company, St. Albans, N. Y. Painters' stippling and servicing brushes and sponges. Serial No. 377,231; Feb. 16. Class 29.
Read-O-Desk Co. (See Urdang, Louis.)
Red Arrow Products Co. (See Passmore, Everett L.)
Regal Brewing Company, Limited, Hamilton, Ontario, Canada. Ales, beers, lagers, etc. Serial No. 376,404; Feb. 16. Class 48.
Robertshaw Thermostat Company, Youngwood, Pa. Thermostats, thermostatic regulators, and thermostatic indicators. Serial No. 386,871; Feb. 16. Class 26.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Marksmanship practicing apparatus. Serial No. 386,556; Feb. 16. Class 22.
Rosenbaum, Max, Brooklyn, N. Y. Dresses. Serial No. 386,171; Feb. 16. Class 39.
Royal Revues, Inc., Hollywood, Calif. Sensitized film. Serial No. 381,498; Feb. 16. Class 26.
Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing tables. Serial No. 386,911; Feb. 16. Class 24.
Samstag, Henry F., New York, N. Y. Safety razor blades. Serial No. 385,944; Feb. 16. Class 23.
Sandy Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 386,597; Feb. 16. Class 42.
Schindler, Charles E., Coldwater, Ohio. Mild tonic and conditioner for cattle and hogs. Serial No. 385,495; Feb. 16. Class 6.
Scotland, Bayard S., doing business as Major Foods, Joliet, Ill. Macaroni. Serial No. 385,538; Feb. 16. Class 46.
Seltzer, Leo A., Portland, Oreg. Roller skates, wheels, and repair parts therefor. Serial No. 386,128; Feb. 16. Class 22.
Slaby, Peter, doing business as Mrs. Slaby's Noodle Co., Cicero, Ill. Noodles. Serial No. 384,568; Feb. 16. Class 46.
Smith, Ray, doing business as Allodyne Company, San Diego, Calif. Medical tablets. Serial No. 386,457; Feb. 16. Class 6.
Società Anonima Cooperativa Latteria Soresinese, Soresina, Italy. Cheese, butter, evaporated milk, etc. Serial No. 382,775; Feb. 16. Class 46.
Sonneborn, L., Sons, Inc., New York, N. Y. Adsorbent materials. Serial No. 381,952; Feb. 16. Class 31.
Southern Dairies, Inc., Washington, D. C. Frozen confections. Serial No. 385,372; Feb. 16. Class 46.
Spatola, Joseph, Sr., doing business as Spatola Importing Company, Philadelphia, Pa. Wine. Serial No. 386,748; Feb. 16. Class 47.
Sperry Flour Company, San Francisco, Calif. Milled grain products and preparation thereof. Serial No. 372,438; Feb. 16. Class 46.
Sperry Flour Company, San Francisco, Calif. Flour. Serial No. 386,821; Feb. 16. Class 46.
Spring Products Corporation, Long Island City, N. Y. Springs. Serial No. 386,276; Feb. 16. Class 32.
Spur Rubber Company, Inc., Chicago, Ill. Vehicle tires. Serial No. 386,460; Feb. 16. Class 35.
Sta-Tite Snath Company, Shelbyville, Ind. Snaths. Serial No. 386,967; Feb. 16. Class 23.
Sterilek Company Inc., The, Brooklyn, N. Y. Sanitary napkins. Serial No. 386,624; Feb. 16. Class 44.

Strich & Zeidler, Inc., New York, N. Y. Pianos. Serial No. 385,653; Feb. 16. Class 36.
Strohmeyer & Arpe Company, New York, N. Y. Canned fish. Serial No. 374,304; Feb. 16. Class 46.
Taybor Products Co., Santa Monica, Calif. Canned citrous juices. Serial No. 386,750; Feb. 16. Class 45.
Technicolor Motion Picture Corporation, Hollywood, Calif. Motion picture film. Serial No. 386,321; Feb. 16. Class 26.
Thompson & Company, Oakmont, Pa. Paints, varnishes, paint primers, etc. Serial No. 385,996; Feb. 16. Class 16.
Time, Incorporated, New York, N. Y. Magazine. Serial No. 386,509; Feb. 16. Class 38.
Timken Steel and Tube Company, The, assignor to The Timken Roller Bearing Company, Canton, Ohio. Steel products. Serial No. 382,401; Feb. 16. Class 14.
Truhu Silk Corporation, New York, N. Y. Silk, artificial silk, silk and artificial silk, etc., piece goods. Serial No. 386,876; Feb. 16. Class 42.
United States Electric Company, New York, N. Y. Flash lights. Serial No. 380,132; Feb. 16. Class 21.
Urdang, Louis, doing business as Read-O-Desk Co., Tenafly, N. J. Reading desks. Serial No. 385,998; Feb. 16. Class 32.
Vac-Made Foods Corporation, Chicago, Ill. Malt chocolate mixture in powder form. Serial No. 386,056; Feb. 16. Class 46.
Village Blacksmith Folks, The, Watertown, Wis. Knives, steak turners, steels, etc. Serial No. 386,067; Feb. 16. Class 23.
Warren Refining and Chemical Company, The, Cleveland, Ohio. Varnish. Serial No. 377,073; Feb. 16. Class 16.
Waterbury Button Company, The, Waterbury, Conn. Novelty humming musical instruments. Serial No. 385,711; Feb. 16. Class 36.
Wesco Foods Company, Cincinnati, Ohio. Baking powder. Serial No. 383,338; Feb. 16. Class 46.
Whippet Blade Co. (See Edwards, Henry J.)
Wine Packing Corporation of California, Stockton, Calif. Wines. Serial No. 386,625; Feb. 16. Class 47.
Zeiss, Carl, Jena, Germany. Photographic, microphotographic, projecting, and microscope objectives. Serial No. 383,281; Feb. 16. Class 26.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. Serial No. 379,918; Feb. 16. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Adam Hat Stores, Inc., New York, N. Y. Megaphones. 343,348; Feb. 16; Serial No. 384,493; published Dec. 1, 1936. Class 22.
Adjustable Rod & Shelf Co. (See Klaudt, Helmuth R.)
Albert Manufacturing Company. (See Weiner, Albert.)
American Fur House. (See Goldberg, Hyman.)
American Lumber and Treating Company, Chicago, Ill. Lumber. 343,283; Feb. 16; Serial No. 382,652; published Dec. 1, 1936. Class 12.
American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y., to American Manufacturing Company, Brooklyn, N. Y. Oakum for packing and calking. 114,920; renewed Jan. 16, 1937.
American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y., to American Manufacturing Company, Brooklyn, N. Y. Rope, cord, lines, and twine. 115,269; renewed Feb. 6, 1937.
American Trucking Associations, Inc., Washington, D. C. Weekly news publication. 343,287; Feb. 16; Serial No. 382,817; published Dec. 1, 1936. Class 38.
Anaconda Copper Mining Company, Anaconda and Butte, Mont., and New York, N. Y., to Anaconda Copper Mining Company, New York, N. Y. Spelter or zinc. 115,138; renewed Jan. 30, 1937.
Anderson-Kondazian Co., Inc., Watertown, Mass., now by change of name, Anderson-Little Company, Inc. Suits and coats. 343,326; Feb. 16; Serial No. 384,022; published Dec. 1, 1936. Class 39.
Armstrong Mfg. Co., The, Bridgeport, Conn. Mechanics' work stands and benches. 343,274; Feb. 16; Serial No. 382,300; published Dec. 8, 1936. Class 23.
Art Brass Company, New York, N. Y. Candlesticks, candle sconces, and candelabra. 343,234; Feb. 16; Serial No. 374,074; published Dec. 8, 1936. Class 34.
Art Brass Company, New York, N. Y. Holders for tumblers, tooth brushes, soap, etc., brackets, bathtub rails, etc. 343,235; Feb. 16; Serial No. 374,075; published Dec. 8, 1936. Class 13.
Atlas Brewing Company, Chicago, Ill. Ale. 343,325; Feb. 16; Serial No. 383,973; published Dec. 1, 1936. Class 48.
Austin, Nichols & Co., Inc., Brooklyn and New York, assignor to Austin, Nichols & Co., Inc., Brooklyn, N. Y. Macaroni, preserved figs, ripe olives. 115,720; renewed Mar. 6, 1937.
Baer & Wilde Company, The, assignor to Swank Products, Inc., Attleboro, Mass. Ash trays, cigarette boxes, humidors, etc. 343,229; Feb. 16; Serial No. 366,353; published Aug. 18, 1936. Class 8.
Barber Asphalt Company, The, assignor to The Barber Company, Inc., Philadelphia, Pa. Asphalt shingles. 343,237; Feb. 16; Serial No. 375,835; published Dec. 1, 1936. Class 12.
Bassine, Chas. C., Co., Inc., The, New York, N. Y. Men's shirts. 343,317; Feb. 16; Serial No. 383,800; published Nov. 24, 1936. Class 39.
Beer-O-Lator Equipment Corp., Newark and Irvington, N. J. Beer circulating cooler. 343,271; Feb. 16; Serial No. 382,083; published Dec. 8, 1936. Class 31.
Bellows & Company, Inc., New York, N. Y. Whiskey. 343,349; Feb. 16; Serial No. 384,496; published Dec. 1, 1936. Class 49.
Belisey, Dave, Company, Inc., New York, N. Y. Coats, suits, and blouses. 343,278; Feb. 16; Serial No. 382,461; published Dec. 8, 1936. Class 39.
Benz, George, Sons, Inc., St. Paul, Minn. Whiskey. 343,351; Feb. 16; Serial No. 384,782; published Dec. 8, 1936. Class 49.
Berliner, Edwin E., & Co., New York, N. Y. Cotton dress goods. 343,226; Feb. 16; Serial No. 300,062; published Sept. 17, 1935. Class 42.
Bowen Press, Inc., doing business as Dixie Contractor, Atlanta, Ga. Periodical. 343,297; Feb. 16; Serial No. 383,465; published Dec. 1, 1936. Class 38.
Brooks Brothers, New York, N. Y. Collars. 343,419; Feb. 16, 1937. Class 39.
Buffalo Wire Works Co., Buffalo, N. Y. Wire cloth or fabric. 114,694–5; renewed Jan. 2, 1937.
Caledonia Woolen Mills, Clifton Heights, Pa. Cotton piece goods. 343,367; Feb. 16; Serial No. 383,254; published Dec. 8, 1936. Class 42.
Capewell Manufacturing Company, The, Hartford, Conn. Horse nails. 343,357; Feb. 16; Serial No. 383,052; published Dec. 8, 1936. Class 13.
Chapin & Gore, Inc., Chicago, Ill. Whiskey. 343,385; Feb. 16; Serial No. 383,982; published Dec. 1, 1936. Class 49.
Charles & Co., New York, N. Y. Gin and whiskey. 343,342; Feb. 16; Serial No. 384,408; published Dec. 1, 1936. Class 49.
Chinook Packing Company, Chinook, Wash. Canned salmon. 115,161; renewed Jan. 30, 1937.
Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth. 343,404; Feb. 16. Class 42.
Citrus Club Products, Inc., Phoenix, Ariz. Beverages, and syrups for making the same. 343,368; Feb. 16; Serial No. 383,258; published Dec. 8, 1936. Class 45.
Clark, James, Providence, R. I., to Arthur J. Clark, administrator of the estate of James Clark, deceased, Washington, D. C., legal representative. Medicine for rheumatism. 114,434; renewed Dec. 19, 1936.
Clark, James, Distilling Corporation, Jersey City, N. J., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Gin. 343,225; Feb. 16; Serial No. 359,943; published Apr. 9, 1935. Class 49.
Classic Knitters, Inc., New York, N. Y. Dresses, sweaters, and skirts. 343,292; Feb. 16; Serial No. 382,904; published Nov. 17, 1936. Class 39.
Clayton Manufacturing Company, The, Bristol, Conn. Scissors and shears. 343,421; Feb. 16. Class 23.
Cohn, H. C., & Co., Rochester, N. Y. Mufflers. 343,248; Feb. 16; Serial No. 378,132; published Dec. 8, 1936. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 343,340; Feb. 16; Serial No. 384,370; published Dec. 8, 1936. Class 42.
Collins and Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Textile fabrics. 343,330; Feb. 16; Serial No. 384,119; published Dec. 8, 1936. Class 42.
Colonial Grape Products Co. (See Ramshead Distilling Co., assignor.)
Columbia Narrow Fabric Company, Shannock, R. I. Elastic fabrics. 343,253; Feb. 16; Serial No. 379,584; published Dec. 8, 1936. Class 42.
Columbia River Packers Association, assignor to Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 115,069; renewed Jan. 23, 1937.
Columbia River Packers Association, assignor to Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 117,112; renewed June 19, 1937.
Conway Import Co. Inc., Long Island City, N. Y. Mayonnaise. 343,409; Feb. 16. Class 46.
Coopers, Incorporated, Kenosha, Wis. Men's hose. 343,302; Feb. 16; Serial No. 383,571; published Nov. 17, 1936. Class 39.

Corning Glass Works, Corning, N. Y. Heat absorbing filter glass, and ordinary window glass. 343,262; Feb. 16; Serial No. 381,022; published Dec. 8, 1936. Class 33.

Cott-A-Lap Company, The, Somerville, N. J., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Wall-paper size adapted for covering walls, ceilings, etc. 116,825; renewed May 29, 1937.

Creamette Company, The. (See Elsinger, Rudolf, assignor.)

Defiance Pressed Steel Company, The, Defiance, Ohio. Hot water heaters for automobiles. 343,303; Feb. 16; Serial No. 383,573; published Dec. 8, 1936. Class 19.

Dixie Contractor. (See Bowen Press, Inc.)

Drapery Hardware Co., Ltd., Los Angeles, Calif. Drapery hardware, wrought iron drapery fixtures, brass drapery fixtures, etc. 343,268; Feb. 16; Serial No. 381,478; published Dec. 8, 1936. Class 13.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Wax polish. 343,374; Feb. 16; Serial No. 383,414; published Dec. 8, 1936. Class 16.

Duryea, Benjamin L., doing business as Duryea Products Company, New York, N. Y. Solid woven belting. 343,420; Feb. 16. Class 35.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, nightgowns, etc. 343,376–7; Feb. 16; Serial Nos. 383,918–9; published Nov. 24, 1936. Class 39.

Earl, Edwin T., to Evening Herald Publishing Company, Los Angeles, Calif., successor. Newspaper. 115,169; renewed Jan. 30, 1937.

Eastern Trading Co. (See Finkelstein, William.)

Easy Washing Machine Corporation, Syracuse, N. Y. Laundry washing machines. 343,334; Feb. 16; Serial No. 384,319; published Dec. 8, 1936. Class 24.

Elder and Johnston Company, The, Dayton, Ohio. Shoes. 343,411; Feb. 16. Class 39.

Elkay Manufacturing Company, Chicago, Ill. Metal sinks, lavatory basins, shower bath compartments, etc. 343,405; Feb. 16. Class 13.

Elsinger, Rudolf, assignor to Mothers Macaroni Company, Cincinnati, Ohio, assignor, by mesne assignments, to The Creamette Company, Minneapolis, Minn. Noodles. 116,299; renewed Apr. 24, 1937.

Evening Herald Publishing Company. (See Earl, Edwin T.)

Everlast Silk Hosiery Mills Inc., New Hyde Park, N. Y. Hosiery. 343,284; Feb. 16; Serial No. 382,713; published Nov. 24, 1936. Class 39.

Ewing, M., Fox Co., Inc., New York, N. Y. Water paint in paste form. 343,335; Feb. 16; Serial No. 384,320; published Dec. 1, 1936. Class 16.

Extruded Metal Products Co., The, Bridgeport, Ohio. Bronze castings. 343,379; Feb. 16; Serial No. 383,921; published Dec. 8, 1936. Class 14.

Eye-Delight-Advertiser, Brooklyn, N. Y. Electrical advertising devices. 343,332; Feb. 16; Serial No. 372,407; published Dec. 8, 1936. Class 21.

Fairbanks, Morse & Co., Chicago, Ill. Refrigerators. 343,397; Feb. 16; Serial No. 384,583; published Dec. 8, 1936. Class 31.

Federated Metals Corporation, New York, N. Y. Copper. 343,352; Feb. 16; Serial No. 384,847; published Dec. 8, 1936. Class 14.

Feinberg, Solomon, New York, N. Y. Hosiery. 343,318; Feb. 16; Serial No. 383,804; published Dec. 8, 1936. Class 39.

Finkelstein, William, doing business as Eastern Trading Co., New York, N. Y. Non-electrical hair curlers, hair pins, and combs. 343,358; Feb. 16; Serial No. 383,056; published Dec. 1, 1936. Class 40.

Finkenberg's, A., Sons, Inc., New York, N. Y. Men's suits, top coats, rain coats, etc. 343,369–70; Feb. 16; Serial Nos. 383,262–3; published Nov. 24, 1936. Class 39.

Flint Hill Brewing Company, Flint, Mich. Beer. 343,247; Feb. 16; Serial No. 377,922; published Dec. 8, 1936. Class 48.

Foodland, Inc., Cleveland, Ohio. Beans with chile flavored tomato sauce, canned soups, canned vegetables, etc. 343,418; Feb. 16. Class 46.

Ford Motor Company, Highland Park, Mich., assignor to Ford Motor Company, Dearborn, Mich. Electrical apparatus, machines, and supplies. 115,500; renewed Feb. 20, 1937.

Foster, Lindsay B., Chicago, Ill. Coffee liqueur. 343,272; Feb. 16; Serial No. 382,141; published Dec. 8, 1936. Class 49.

Four D's Company. (See Pirich, George.)

Fries & Fries, Inc., Cincinnati, Ohio. Alcoholic essences, extracts, blending agents, etc. 343,343; Feb. 16; Serial No. 384,420; published Dec. 1, 1936. Class 49.

General Adhesive Mfg. Co., Inc., to National Adhesives Corporation, New York, N. Y., successor. Adhesive pastes. 113,369; renewed Oct. 17, 1936.

General Bandages, Inc., Chicago, Ill. Self-adhering gauze bandages. 343,310; Feb. 16; Serial No. 383,731; published Dec. 8, 1936. Class 44.

Glendale Frocks, Inc., New York, N. Y. Dresses. 343,379; Feb. 16; Serial No. 383,926; published Nov. 24, 1936. Class 39.

Globe Knitting Works, Grand Rapids, Mich. Knit underwear. 343,311; Feb. 16; Serial No. 383,733; published Nov. 17, 1936. Class 39.

Goldberg, Hyman, doing business as American Fur House, New York, N. Y. Women's fur coats. 343,240; Feb. 16; Serial No. 376,902; published Dec. 8, 1936. Class 39.

Goldenberg, Jacob, Chicago, Ill. Writing paper, envelopes, and blank invoices. 343,293; Feb. 16; Serial No. 382,912; published Dec. 8, 1936. Class 37.

Goldman Bros., assignor to Goldman Brothers, Inc., St. Louis, Mo. Tables and chairs, beds, etc. 116,622–3; renewed May 15, 1937.

Goldsmith, P., Sons Company, The, Cincinnati, Ohio. Baseballs. 343,288; Feb. 16; Serial No. 382,827; published Dec. 8, 1936. Class 22.

Goldsmith, P., Sons Company, The, Cincinnati, Ohio. Golf clubs. 343,394; Feb. 16; Serial No. 384,528; published Dec. 1, 1936. Class 22.

Grace Manufacturing Company. (See Wood, George T.)

Graff & Graff, Inc., New York, N. Y. Coats, suits, and dresses. 343,285; Feb. 16; Serial No. 382,751; published Nov. 24, 1936. Class 39.

Grant, W. T., Company, New York, N. Y. Hosiery. 115,887; renewed Mar. 20, 1937.

Greene, Edward, New York, N. Y. Abdominal belts, reducing belts, reducing corsets, etc. 343,270; Feb. 16; Serial No. 382,053; published Dec. 8, 1936. Class 44.

Grossman, Harry G., New York, N. Y. Baseball game. 343,329; Feb. 16; Serial No. 384,080; published Dec. 8, 1936. Class 22.

Halsam Products Company, Chicago, Ill. Toy blocks. 343,422; Feb. 16. Class 22.

Harrington & Waring, New York, N. Y. Hosiery. 343,289; Feb. 16; Serial No. 382,829; published Dec. 1, 1936. Class 39.

Harrison, Monroe, Chicago, Ill. Machines for preparing, dispensing, and/or handling beverages. 343,399; Feb. 16, 1937. Class 23.

Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 343,322; Feb. 16; Serial No. 383,883; published Nov. 24, 1936. Class 39.

Henkell & Co., Wiesbaden-Biebrich, Germany. Sparkling wines. 343,258–9; Feb. 16; Serial Nos. 380,399–400; published Dec. 8, 1936. Class 47.

Hercules Powder Company, Wilmington, Del. Nitrate of ammonia blasting agent. 343,336; Feb. 16; Serial No. 384,328; published Dec. 1, 1936. Class 9.

Hernandez, C. F., S. en C., Mexico, D. F., Mexico. Fabrication of aguardiente and wine. 343,276–7; Feb. 16; Serial Nos. 382,353–4; published Dec. 1, 1936. Class 49.

Herold Manufacturing Company, The, Cleveland, Ohio. Brushes. 343,412; Feb. 16. Class 29.

Herzog, Moses, New York, N. Y. Hair-nets. 116,845; renewed May 29, 1937.

Herzog, Moses, New York, N. Y. Hair-nets. 117,038; renewed June 12, 1937.

Hillerich & Bradsby Company, Louisville, Ky. Sporting goods. 116,637; renewed May 15, 1937.

Home Rubber Company, Trenton, N. J. Asbestos-fiber sheet-packing. 117,145; renewed June 19, 1937.

Hubbard, Kin, Chicago, Ill., to Josephine J. Hubbard, Indianapolis, Ind., successor. Newspaper-sections. 114,243; renewed Dec. 5, 1936.

Illinois Meat Company, doing business as Sterling Packing Co., Chicago, Ill. Canned food for dogs, etc. 343,280; Feb. 16; Serial No. 382,595; published Dec. 8, 1936. Class 46.

International Motor Company, New York, N. Y. Motor trucks and busses. 343,507; Feb. 16, 1937. Class 19.

Interstate Cotton Oil Refining Co., Sherman, Tex. Lard substitute of cotton-seed oil and oleo-stearin. 117,149; renewed June 19, 1937.

Interstate Cotton Oil Refining Co., Sherman, Tex. Shortening. 117,150; renewed June 19, 1937.

Jacob, Edward H., Jr., West Chester, Pa. Sauce. 343,309; Feb. 16; Serial No. 383,702; published Dec. 8, 1936. Class 46.

Jacobs, Grossman & Rosenberg, Inc., Philadelphia, Pa. Frocks, suits for boys, and dresses. 343,279; Feb. 16; Serial No. 382,513; published Nov. 24, 1936. Class 39.

Joseph & Feiss Company, The, Cleveland, Ohio. Topcoats. 343,244; Feb. 16; Serial No. 377,548; published Dec. 1, 1936. Class 39.

Kabo Corset Co., to Kabo Corset Company, Chicago, Ill., successor. Brassières and children's underwaists. 115,891; renewed Mar. 20, 1937.

Karp, William S., New York, N. Y. Game apparatus. 343,245; Feb. 16; Serial No. 377,550; published Dec. 1, 1936. Class 22.

Kaufmann Bros. & Bondy, Inc., West New York, N. J. Pipes. 343,331; Feb. 16; Serial No. 384,126; published Dec. 8, 1936. Class 8.

Kaylon, Inc., New York, N. Y. Pajamas. 343,408; Feb. 16, 1937. Class 39.

Kemp, W. H., Co., New York, N. Y. Aluminum paint. 343,350; Feb. 16; Serial No. 384,709; published Dec. 8, 1936. Class 16.

Kenilworth Mfg. Co., Inc., New York, N. Y. Snow suits, ski pants, pants and jackets. 343,307; Feb. 16; Serial No. 383,628; published Nov. 24, 1936. Class 39.

Kennelly, Jeremiah D., Oak Park, Ill. Electric headlight and signal lamps. 343,236; Feb. 16; Serial No. 374,413; published Dec. 8, 1936. Class 21.

King & Applebaum, assignors, by mesne assignments, to Virginia Dare Stores, Inc., New York, N. Y. Clothing for women, misses, and children. 116,847; renewed May 29, 1937.

Klaudt, Helmuth R., doing business as Adjustable Rod & Shelf Co., Chicago, Ill. Metallic rods. 343,312; Feb. 16; Serial No. 383,743; published Dec. 8, 1936. Class 13.

Kops Bros., assignors to Kops Brothers, Inc., New York, N. Y. Apparel. 116,144; renewed Apr. 10, 1937.

Kraus Bros. & Co. Inc., New York, N. Y. Whiskey. 343,341; Feb. 16; Serial No. 384,379; published Dec. 8, 1936. Class 49.

Krebs Pigment & Color Corporation, Wilmington, Del. Paint pigments. 343,393; Feb. 16; Serial No. 384,292; published Dec. 1, 1936. Class 16.

Kress, S. H., and Company, New York, N. Y. Hosiery. 343,295; Feb. 16; Serial No. 383,436; published Nov. 17, 1936. Class 39.

La France Jewelry Shop, Inc., New York, N. Y. Watch cases. 343,415; Feb. 16. Class 27.

La Manna, Azema & Farnan, to La Manna, Azema & Farnan, Inc., New York, N. Y., successor. Canned sardines. 115,774; renewed Mar. 6, 1937.

Lampl Sportswear Manufacturing Company, The, Cleveland, Ohio. Piece goods. 343,264–5; Feb. 16; Serial Nos. 381,112–13; published Dec. 8, 1936. Class 42.

Langfelder, Homma & Hayward, Inc., New York, N. Y. Musical toys, especially toy pianos. 343,242; Feb. 16; Serial No. 377,274; published Dec. 1, 1936. Class 22.

Levin & Co., New York, N. Y. Aprons, hooverettes, etc. 343,266; Feb. 16; Serial No. 381,273; published Nov. 24, 1936. Class 39.

Levy, Blum & Goldschmidt Corp., New York, N. Y. Ladies' and misses' coats and suits. 343,319; Feb. 16; Serial No. 383,811; published Dec. 8, 1936. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' topcoats. 343,230; Feb. 16; Serial No. 366,863; published Nov. 19, 1935. Class 39.

Leyerle, Daniel L. (See Traveler Remedy Co., The.)

Lincolnwood Manufacturing Co. (See McMillen, Albert C.)

Linde Air Products Company, The, New York, N. Y. Machines for the elimination of defects in the surfaces of metal bodies. 343,241; Feb. 16; Serial No. 377,226; published Dec. 8, 1936. Class 23.

Lissner, H., Company, Inc., New York, N. Y. Golf knickers, sport, riding, and golf trousers, and trousers. 343,304; Feb. 16; Serial No. 383,583; published Nov. 17, 1936. Class 39.

Lonsdale Company, Providence, R. I. Cotton piece goods. 116,146; renewed Apr. 10, 1937.

Louisville Cement Company, Louisville, Ky. Building-cement. 117,169; renewed June 19, 1937.

Macy, R. H., & Co., assignor to R. H. Macy Co., Inc., New York, N. Y. Canned goods. 115,778; renewed Mar. 6, 1937.

Marchant Calculating Machine Company, Oakland, Calif. Calculating machines. 343,282; Feb. 16; Serial No. 382,614; published Dec. 8, 1936. Class 26.

Marshall Field & Company, Chicago, Ill. Hosiery. 343,386; Feb. 16; Serial No. 383,995; published Nov. 24, 1936. Class 39.

Martin, Glenn L., Company, The, Baltimore and Middle River, Md. Airplanes. 343,252; Feb. 16; Serial No. 379,004; published Dec. 8, 1936. Class 19.

Massachusetts Diesel Institute, Boston, Mass. Magazine. 343,371; Feb. 16; Serial No. 383,515; published Dec. 1, 1936. Class 38.

Mayer, Arthur J., doing business as Max Mayer's Sons, New York, N. Y. Coats, sweaters, and blouses. 343,257; Feb. 16; Serial No. 380,211; published Dec. 1, 1936. Class 39.

Mayflower Dress Company, Inc., New York, N. Y. Dresses. 343,327; Feb. 16; Serial No. 384,041; published Dec. 1, 1936. Class 39.

McMillen, Albert C., doing business as Lincolnwood Manufacturing Co., Chicago, Ill. Brushes. 343,387; Feb. 16; Serial No. 384,147; published Dec. 8, 1936. Class 29.

Melchers', P., Distilleries, Schiedam, Netherlands. Gins. 343,246; Feb. 16; Serial No. 377,799; published June 16, 1936. Class 49.

Miller Manufacturing Co., Hicksville, Ohio. Hand operated tools. 343,363; Feb. 16; Serial No. 383,217; published Dec. 8, 1936. Class 23.

Mothers Macaroni Company. (See Elsinger, Rudolf, assignor.)

Murphy Diesel Company, Ltd., Milwaukee, Wis. Oil engines. 343,406; Feb. 16. Class 23.

Murphy, T. J., Fur Co., Lewiston, Maine. Women's and children's garments. 343,364; Feb. 16; Serial No. 383,218; published Nov. 24, 1936. Class 39.

Narrow Fabric Company, The, West Reading, Reading, Pa. Shoulder straps. 343,267; Feb. 16; Serial No. 381,464; published Dec. 8, 1936. Class 40.

National Adhesives Corporation. (See General Adhesive Mfg. Co., Inc.)

National Cellulose Corporation, New York, N. Y. Rubber lined containers. 343,323; Feb. 16; Serial No. 383,893; published Dec. 8, 1936. Class 2.

National Mineral Company, Chicago, Ill. Heat insulating pads used in permanent waving. 343,238; Feb. 16; Serial No. 376,486; published Dec. 8, 1936. Class 44.

Nave-McCord Mercantile Co., St. Joseph, Mo., assignor to Western Grocer Company, Marshalltown, Iowa. Foods. 114,814–5; renewed Jan. 2, 1927.

Nehl, Arthur W., Chicago, Ill. Periodical. 343,286; Feb. 16; Serial No. 382,763; published Dec. 1, 1936. Class 38.

New England Coke Company, Boston, Mass. Check draft and primary draft dampers for boilers and furnaces. 343,273; Feb. 16; Serial No. 382,230; published Dec. 8, 1936. Class 34.

New Idea Yankee Togs, Inc., New York, N. Y. Suits, blouses, shirts, etc. 343,403; Feb. 16. Class 39.

New York Woman, Incorporated, The, New York, N. Y. Periodical. 343,269; Feb. 16; Serial No. 381,684; published Dec. 1, 1936. Class 38.

Niagara Blower Company, Buffalo and New York, N. Y. Condensers. 343,250; Feb. 16; Serial No. 378,323; published Dec. 8, 1936. Class 34.

Norfolk Paint & Varnish Company, Quincy and Atlantic, Mass. Paints. 343,227; Feb. 16; Serial No. 360,238; published Dec. 1, 1936. Class 16.

Norristown Magnesia & Asbestos Company, Norristown, Pa. Flexible sheets and rigid panels of heat insulating material. 343,372; Feb. 16; Serial No. 383,322; published Dec. 1, 1936. Class 12.

Norwich Knitting Company, Norwich, N. Y. Polo shirts, outer-shirts, knit jackets, etc. 343,416; Feb. 16. Class 39.

Ohlen-Bishop Company, The, Columbus, Ohio. Saws. 343,392; Feb. 16; Serial No. 384,266; published Dec. 8, 1936. Class 23.

Osborn Manufacturing Company, The, Cleveland, Ohio. Brushes and brooms. 343,380; Feb. 16; Serial No. 383,938; published Dec. 1, 1936. Class 29.

Pacific Distillers, Inc., Culver City, Calif. Gin. 343,344; Feb. 16; Serial No. 384,432; published Dec. 1, 1936. Class 49.

Pacific Distillers, Inc., Culver City, Calif. Whiskey. 343,345; Feb. 16; Serial No. 384,433; published Dec. 1, 1936. Class 49.

Pacific Distillers, Inc., Culver City, Calif. Gin. 343,346; Feb. 16; Serial No. 384,434; published Dec. 8, 1936. Class 49.

Paraffine Companies, Inc., The. (See Cott-A-Lap Company, The, assignor.)

Paraffine Paint Company, The, assignor, by mesne assignments, to The Paraffine Companies, Inc., San Francisco, Calif. Paints. 116,854; renewed May 29, 1937.

Paragon Knitting Mills, Inc., Philadelphia, Pa. Bathing suits and sweaters. 343,332; Feb. 16; Serial No. 384,163; published Dec. 1, 1936. Class 39.

Parker, Mary A., Upper Darby, Pa. Game. 343,354; Feb. 16; Serial No. 384,931; published Dec. 8, 1936. Class 22.

Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and desk sets. 343,360; Feb. 16; Serial No. 383,179; published Dec. 8, 1936. Class 37.

Pencraft, Inc., Boston, Mass. Fountain pens and pencils, leads and erasers. 343,410; Feb. 16. Class 37.

Pendergast, T. J., Wholesale Liquor Co., Inc., Kansas City, Mo. Whiskey, gin, rum, etc. 343,298; Feb. 16; Serial No. 383,479; published Dec. 8, 1936. Class 49.

Pinto-Merwin, Inc., New York, N. Y. Clothing. 343,275; Feb. 16; Serial No. 382,319; published Dec. 8, 1936. Class 39.

Pirich, George, doing business as Four D's Company, Minneapolis, Minn. Hoes, rakes, weeders, etc. 343,231; Feb. 16; Serial No. 367,083; published Oct. 22, 1935. Class 23.

Pollack, Jacob, & Sons, New York, N. Y. Coats, pants, vests, etc. 343,249; Feb. 16; Serial No. 378,266; published Dec. 1, 1936. Class 39.

Publishers Syndicate, Chicago, Ill. Newspaper cartoons. 343,243; Feb. 16; Serial No. 377,322; published Dec. 1, 1936. Class 38.

Pure Oil Company, The, Chicago, Ill. Automobile polish with cleaning properties, and touch-up enamel. 343,233; Feb. 16; Serial No. 372,996; published Dec. 8, 1936. Class 16.

Ramshead Distilling Co., Chicago, Ill., assignor to Colonial Grape Products Co., San Francisco, Calif. Brandy. 343,400; Feb. 16. Class 49.

Reach, Minna L., Pasadena, Calif. Cleansing pads. 343,263; Feb. 16; Serial No. 381,047; published Dec. 1, 1936. Class 4.

Rebold, Rudolph, New York, N. Y. Gauze, bandages, and absorbent cotton. 343,365; Feb. 16; Serial No. 383,227; published Dec. 8, 1936. Class 44.

Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 343,228; Feb. 16; Serial No. 361,370; published Apr. 23, 1935. Class 49.

Reinfeld, Joseph H., Inc., Newark, N. J. Gin. 343,395; Feb. 16; Serial No. 384,556; published Dec. 1, 1936. Class 49.

Reliance Manufacturing Company, Chicago, Ill. Ladies' dresses. 343,305; Feb. 16; Serial No. 383,599; published Nov. 17, 1936. Class 39.

Remington Rand Inc., Buffalo, N. Y. Typewriter ribbons. 343,333; Feb. 16; Serial No. 384,299; published Dec. 8, 1936. Class 11.

Robinson, J. C., Seed Co., The, Waterloo, Nebr. Seeds. 343,281; Feb. 16; Serial No. 382,604; published Dec. 8, 1936. Class 1.
Rosenblatt & Kahn, New York, N. Y. Coat and snow pants ensemble garment. 343,256; Feb. 16; Serial No. 380,158; published Nov. 24, 1936. Class 39.
Roxalin Flexible Lacquer Company, Incorporated, Elizabeth, N. J. Lacquers, lacquer enamels, thinners, etc. 343,373; Feb. 16; Serial No. 383,407; published Dec. 1, 1936. Class 16.
Russ Soda Fountain Company, Cleveland, Ohio. Refrigerated display and service units. 343,362; Feb. 16; Serial No. 383,201; published Dec. 1, 1936. Class 31.
Salzman & Klinger, Inc., New York, N. Y. Netting. 343,381; Feb. 16; Serial No. 383,945; published Dec. 8, 1936. Class 42.
Schaefer, F. & M., Brewing Co., The, Brooklyn, N. Y. Beer. 343,361; Feb. 16; Serial No. 383,196; published Dec. 8, 1936. Class 48.
Schenley Distributors, Inc., New York, N. Y. Whiskey, gin, rum, etc. 343,353; Feb. 16; Serial No. 384,869; published Dec. 8, 1936. Class 49.
Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 343,299; Feb. 16; Serial No. 383,489; published Nov. 24, 1936. Class 39.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 343,300; Feb. 16; Serial No. 383,547; published Nov. 17, 1936. Class 39.
Seagram, Joseph E., & Sons, Inc. (See Clark, James, Distilling Corporation, assignor.)
Sears, Roebuck and Co., Chicago, Ill. Shoes. 115,672–5; renewed Feb. 27, 1937.
Sears, Roebuck and Co., Chicago, Ill. Men's bathrobes and lounging robes. 343,382; Feb. 16; Serial No. 383,952; published Dec. 8, 1936. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Hosiery. 343,383; Feb. 16; Serial No. 383,953; published Nov. 24, 1936. Class 39.
Shear Coffee Company of Texas, The, Waco, Tex. Coffee and tea. 343,260; Feb. 16; Serial No. 380,411; published Dec. 8, 1936. Class 46.
Sheet Polarizer Company, Inc., Union City, N. J. Composite material adapted to be used in connection with optical devices. 343,337; Feb. 16; Serial No. 384,338; published Dec. 8, 1936. Class 26.
Sichel, H., & Sons Limited, Adelphi, London, England. Wines. 343,290; Feb. 16; Serial No. 382,892; published Dec. 8, 1936. Class 47.
Siegel, Jacob, Company, Philadelphia, Pa. Top coats, overcoats, and suits. 343,401; Feb. 16. Class 39.
Singer, Gus, Denver, Colo. Whiskey. 343,389; Feb. 16; Serial No. 384,221; published Dec. 1, 1936. Class 49.
Sisselman Bros., Inc., New York, N. Y. Ladies' and misses' coats and suits. 343,316; Feb. 16; Serial No. 383,787; published Nov. 24, 1936. Class 39.
Smith, Norman C., Columbus, Ohio. Indoor game. 343,396; Feb. 16; Serial No. 384,569; published Dec. 1, 1936. Class 22.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oils used in the manufacture of leather. 343,296; Feb. 16; Serial No. 383,454; published Dec. 1, 1936. Class 4.
Solomon Bros., New York, N. Y. Dressed poultry. 343,324; Feb. 16; Serial No. 383,959; published Dec. 8, 1936. Class 46.
Solomon Bros., New York, N. Y. Dressed poultry. 343,384; Feb. 16; Serial No. 383,958; published Dec. 8, 1936. Class 46.
Southern Brewing Company, Inc., Houston, Tex. Beer. 343,355; Feb. 16; Serial No. 383,036; published Dec. 8, 1936. Class 48.
Sterling Packing Co. (See Illinois Meat Company.)
Sterling Products Company, Easton, Pa. Fluid dry cleaning soap. 343,320; Feb. 16; Serial No. 383,827; published Dec. 1, 1936. Class 4.
Sterling Products Company, Easton, Pa. Fluid soap. 343,321; Feb. 16; Serial No. 383,828; published Dec. 1, 1936. Class 4.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Gromets, metal washers, rivets, etc. 116,929; renewed June 5, 1937.
Style Garment Company, Inc., Los Angeles, Calif. Dresses, cloaks, coats, and suits. 343,356; Feb. 16; Serial No. 383,038; published Dec. 8, 1936. Class 39.
Supplee-Biddle Hardware Co., Philadelphia, Pa. Thumb latches, garage door lock sets, night latches, etc. 343,254; Feb. 16; Serial No. 379,835; published Dec. 1, 1936. Class 25.
Swank Products, Inc. (See Baer & Wilde Company, Inc., The, assignor.)
Tark Textile Corporation, New York, N. Y. Mufflers. 343,306; Feb. 16; Serial No. 383,603; published Dec. 1, 1936. Class 39.
Taylor, James L., Mfg. Co., Poughkeepsie, N. Y. Wrenches, clamps, and clamp-carriers. 116,471; renewed May 1, 1937.
Tileston & Hollingsworth Company, Boston, Mass. Papers. 343,414; Feb. 16, 1937.
Tomlinson of High Point, High Point, N. C. Furniture. 343,413; Feb. 16, 1937.
Torme Products Co., Chicago, Ill. Paper, cardboard, fabric, composition, and metal toy cut outs. 343,388; Feb. 16; Serial No. 384,169; published Dec. 1, 1936. Class 22.
Traveler Remedy Co., The, Hot Springs, Ark., to Daniel L. Leyerle, doing business as The Traveler Remedy Co., Springfield, Mo., successor. Liver-tonic. 115,037; renewed Jan. 16, 1937.
Triangle Electric Co., Chicago, Ill. Washing machines. 343,261; Feb. 16; Serial No. 380,806; published Dec. 8, 1936. Class 24.
Troutman Shirt Company, Inc., Troutman, N. C. Shirts. 343,301; Feb. 16; Serial No. 383,553; published Dec. 8, 1936. Class 39.
Turnmilling Corporation, Jackson, Mich. Milling machines. 343,366; Feb. 16; Serial No. 383,241; published Dec. 8, 1936. Class 23.
U. S. Automatic Box Machinery Co. Inc., Newtonville, Mass. Box making machinery and parts thereof. 343,402; Feb. 16, 1937.
Universal Cooler Corporation, Detroit, Mich. Electrical refrigerators, and cooling units therefor. 343,239; Feb. 16; Serial No. 376,821; published June 16, 1936. Class 31.
Van Noorden, E., & Co., to E. Van Noorden Company, Boston, Mass., successor. Skylights. 116,020; renewed March 27, 1937.
Van Raalte Company, New York, N. Y. Underwear. 343,308; Feb. 16; Serial No. 383,694; published Nov. 17, 1936. Class 39.
Vassar Company, Chicago, Ill. Swimming trunks. 343,359; Feb. 16; Serial No. 383,147; published Nov. 24, 1936. Class 39.
Virginia Dare Stores, Inc. (See King & Applebaum, assignors.)
Waltham Bag & Paper Company, Waltham, Mass. Paper bags, paper boxes, and paper containers. 343,398; Feb. 16; Serial No. 384,605; published Dec. 8, 1936. Class 2.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Suits. 343,328; Feb. 16; Serial No. 384,062; published Dec. 1, 1936. Class 39.
Weiner, Albert, doing business as Albert Manufacturing Company, Providence, R. I. Synthetic pearls and jewelry novelties. 343,251; Feb. 16; Serial No. 378,960; published Dec. 1, 1936. Class 28.
Wellington Sears Company, Boston, Mass. Cotton piece goods. 343,338; Feb. 16; Serial No. 384,347; published Dec. 8, 1936. Class 42.
Western Grocer Company. (See Nave-McCord Mercantile Co., assignor.)
Westhaver, James A., Malden, Mass. Non-ferrous alloys. 343,390; Feb. 16; Serial No. 384,224; published Dec. 8, 1936. Class 14.
West Indies Rum Distilleries Inc., Ponce and Playa Ponce, P. R. Rum. 343,255; Feb. 16; Serial No. 379,926; published Dec. 8, 1936. Class 49.
Wheeling Corrugating Company, Wheeling, W. Va. Metal wash tubs. 343,313; Feb. 16; Serial No. 383,756; published Dec. 1, 1936. Class 24.
Wheeling Corrugating Company, Wheeling, W. Va. Dry measures. 343,314–5; Feb. 16; Serial Nos. 383,757–8; published Dec. 8, 1936. Class 26.
White, Keeling (Rum) Limited, London, England. Rum. 343,391; Feb. 16; Serial No. 384,225; published Dec. 8, 1936. Class 49.
White Swan Uniforms, Inc., New York, N. Y. Nurses' uniforms, house dresses, etc. 343,294; Feb. 16; Serial No. 383,421; published Nov. 17, 1936. Class 39.
Winter & Co., New York, N. Y. Pianos. 343,375; Feb. 16; Serial No. 383,906; published Nov. 24, 1936. Class 36.
Wood, George T., doing business as Grace Manufacturing Company, Cincinnati, Ohio. Gum-base polish for automobiles, floors, woodwork, etc. 343,291; Feb. 16; Serial No. 382,898; published Dec. 1, 1936. Class 16.
Young's Merchandising Corporation, New York, N. Y. Hats and caps. 343,417; Feb. 16, 1937.
Zest Company, The, Somerville, Mass. Bottled and canned lime juice. 343,339; Feb. 16; Serial No. 384,358; published Dec. 8, 1936. Class 45.

LIST OF REGISTRANTS OF LABELS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Chocolates MacFarlane. For Chocolates, Packed Boxes, Half Chocolates and Half Chocolate Nuts. 48,962; Feb. 16.
Chappel Bros. Inc., Rockford, Ill. Ken-L-Ration. For a Beef Meat Food Product for Dogs. 48,963; Feb. 16.
Couture, E. J., Duluth, Minn. Split Rock. For Lime Rickey. 48,964; Feb. 16.
Faraco, John J., Brazil, Ind. Caracas. For Coffee. 48,965; Feb. 16.
Rubinsky, Edward L., Forest Hills Crest, N. Y. Ruby Beauty Aid. For a Dry Hair Remover. 48,966; Feb. 16.
Sbisa, P. J., Sr., New Orleans, La. Betty's Pure Candy. For Candy. 48,967; Feb. 16.
Standard Brands Incorporated, New York, N. Y. Dr. Price's. For Phosphate Baking Powder. 48,968; Feb. 16.

LIST OF REGISTRANTS OF PRINTS

Ames, Fred W., New Orleans, La. Athletes' Foot. For a Preparation for Treating Athletes' Foot. 16,076; Feb. 16.
Bredin, Lewis L., Detroit, Mich. Vitalitea. For Tea. 16,077; Feb. 16.
Ingersoll Steel & Disc Division of Borg-Warner Corporation, Chicago, Ill. Rhythm Wheeling. For Bicycles. 16,078; Feb. 16.
Savogran Company, The, Boston, Mass. Savogran Paint Brush Cleaner. For a Preparation for Cleaning Used Paint Brushes. 16,079; Feb. 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Oakum for packing and calking. American Manufacturing Company. 114,920; renewed Jan. 16, 1937.
Seeds. J. C. Robinson Seed Co. 343,281; Feb. 16; Serial No. 382,604; published Dec. 8, 1936.

CLASS 2

Bags, paper boxes, and paper containers, Paper. Waltham Bag & Paper Company. 343,398; Feb. 16; Serial No. 384,605; published Dec. 8, 1936.
Containers, Rubber lined. National Cellulose Corporation. 343,323; Feb. 16; Serial No. 383,893; published Dec. 8, 1936.

CLASS 4

Cleansing pads. M. I. Reach. 343,263; Feb. 16; Serial No. 381,047; published Dec. 1, 1936.
Oils used in the manufacture of leather. Socony-Vacuum Oil Company. 343,296; Feb. 16; Serial No. 383,454; published Dec. 1, 1936.
Soap, Fluid. Sterling Products Company. 343,321; Feb. 16; Serial No. 383,828; published Dec. 1, 1936.
Soap, Fluid dry cleaning. Sterling Products Company. 343,320; Feb. 16; Serial No. 383,827; published Dec. 1, 1936.

CLASS 5

Pastes, Adhesive. General Adhesive Mfg. Co. Inc. 113,369; renewed Oct. 17, 1936.
Size adapted for covering walls, ceilings, etc., Wall-paper. Cott-A-Lap Company. 116,825; renewed May 29, 1937.

CLASS 6

Medicine for rheumatism. J. Clark. 114,434; renewed Dec. 19, 1936.
Tonic, Liver. Traveler Remedy Co. 115,037; renewed Jan. 16, 1937.

CLASS 7

Rope, cord, lines, and twine. American Manufacturing Company. 115,269; renewed Feb. 6, 1937.

CLASS 8

Ash trays, cigarette boxes, humidors, etc. Baer & Wilde Company. 343,229; Feb. 16; Serial No. 366,353; published Aug. 18, 1936.
Pipes. Kaufmann Bros. & Bondy, Inc. 343,331; Feb. 16; Serial No. 384,126; published Dec. 8, 1936.

CLASS 9

Nitrate of ammonia blasting agent. Hercules Powder Company. 343,336; Feb. 16; Serial No. 384,328; published Dec. 1, 1936.

CLASS 11

Typewriter ribbons. Remington Rand Inc. 343,333; Feb. 16; Serial No. 384,299; published Dec. 8, 1936.

CLASS 12

Cement, Building. Louisville Cement Company. 117,169; renewed June 19, 1937.
Heat insulating material, Flexible sheets and rigid panels of. Norristown Magnesia & Asbestos Company. 343,372; Feb. 16; Serial No. 383,322; published Dec. 1, 1936.
Lumber. American Lumber and Treating Company. 343,283; Feb. 16; Serial No. 382,652; published Dec. 1, 1936.
Shingles, Asphalt. Barber Asphalt Company. 343,237; Feb. 16; Serial No. 375,835; published Dec. 1, 1936.
Skylights. E. Van Noorden & Co. 116,020; renewed Mar. 27, 1937.

CLASS 13

Gromets, metal washers, rivets, etc. Edwin B. Stimpson Company. 116,929; renewed June 5, 1937.
Hardware, wrought iron drapery-fixtures, brass drapery fixtures, etc., Drapery. Drapery Hardware Co. 343,268; Feb. 16; Serial No. 381,478; published Dec. 8, 1936.
Holders for tumblers, tooth brushes, soap, etc., brackets, bathtub rails, etc. Art Brass Company. 343,235; Feb. 16; Serial No. 374,075; published Dec. 8, 1936.
Nails, Horse. Capewell Manufacturing Company. 343,357; Feb. 16; Serial No. 383,052; published Dec. 8, 1936.
Rods, Metallic. H. R. Klaudt. 343,312; Feb. 16; Serial No. 383,743; published Dec. 8, 1936.
Sinks, lavatory basins, shower bath compartments, etc., Metal. Elkay Manufacturing Company. 343,405; Feb. 16, 1937.
Wire cloth or fabric. Buffalo Wire Works Co. 114,694–5; renewed Jan. 2, 1937.

CLASS 14

Alloys. Non-ferrous. J. A. Westhaver. 343,390; Feb. 16; Serial No. 384,224; published Dec. 8, 1936.
Castings, Bronze. Extruded Metal Products Co. 343,378; Feb. 16; Serial No. 383,921; published Dec. 8, 1936.
Copper. Federated Metals Corporation. 343,352; Feb. 16; Serial No. 384,847; published Dec. 8, 1936.
Spelter or zinc. Anaconda Copper Mining Company. 115,138; renewed Jan. 30, 1937.

CLASS 16

Lacquers, lacquer enamels, thinners, etc. Roxalin Flexible Lacquer Company. 343,373; Feb. 16; Serial No. 383,407; published Dec. 1, 1936.
Paint, Aluminum. W. H. Kemp Co. 343,350; Feb. 16; Serial No. 384,709; published Dec. 8, 1936.
Paint in paste form, Water. M. Ewing Fox Co. 343,335; Feb. 16; Serial No. 384,320; published Dec. 1, 1936.
Paint pigments. Krebs Pigment & Color Corporation. 343,393; Feb. 16; Serial No. 384,292; published Dec. 1, 1936.
Paints. Norfolk Paint & Varnish Company. 343,227; Feb. 16; Serial No. 360,238; published Dec. 1, 1936.
Paints. Paraffine Paint Company. 116,854; renewed May 29, 1937.
Polish for automobiles, floors, woodwork, etc., Gum-base. G. T. Wood. 343,291; Feb. 16; Serial No. 382,898; published Dec. 1, 1936.
Polish, Wax. E. I. du Pont de Nemours and Company. 343,374; Feb. 16; Serial No. 383,414; published Dec. 8, 1936.
Polish with cleaning properties, and touch-up enamel, Automobile. Pure Oil Company. 343,233; Feb. 16; Serial No. 372,996; published Dec. 8, 1936.

CLASS 19

Airplanes. Glenn L. Martin Company. 343,252; Feb. 16; Serial No. 379,004; published Dec. 8, 1936.
Heaters for automobiles, Hot water. Defiance Pressed Steel Company. 343,303; Feb. 16; Serial No. 383,573; published Dec. 8, 1936.

CLASS 21

Electric headlight and signal lamps. J. D. Kennelly. 343,236; Feb. 16; Serial No. 374,413; published Dec. 8, 1936.
Electrical advertising devices. Eye-Delight-Advertiser. 343,232; Feb. 16; Serial No. 372,407; published Dec. 8, 1936.
Electrical apparatus, machines, and supplies. Ford Motor Company. 115,500; renewed Feb. 20, 1937.

CLASS 22

Baseballs. P. Goldsmith Sons Company. 343,288; Feb. 16; Serial No. 382,827; published Dec. 8, 1936.
Game. M. A. Parker. 343,354; Feb. 16; Serial No. 384,931; published Dec. 8, 1936.
Game apparatus. W. S. Karp. 343,245; Feb. 16; Serial No. 377,550; published Dec. 1, 1936.
Game, Baseball. H. G. Grossman. 343,329; Feb. 16; Serial No. 384,080; published Dec. 8, 1936.
Game, Indoor. N. C. Smith. 343,396; Feb. 16; Serial No. 384,569; published Dec. 1, 1936.
Golf clubs. P. Goldsmith Sons Company. 343,394; Feb. 16; Serial No. 384,528; published Dec. 1, 1936.
Megaphones. Adam Hat Stores, Inc. 343,348; Feb. 16; Serial No. 384,493; published Dec. 1, 1936.
Sporting goods. Hillerich & Bradsby Company. 116,637; renewed May 15, 1937.
Toy blocks. Halsam Products Company. 343,422; Feb. 16.
Toy cut outs, Paper, cardboard, fabric, composition, and metal. Torme Products Co. 343,388; Feb. 16; Serial No. 384,169; published Dec. 1, 1936.
Toys, especially toy pianos, Musical. Langfelder, Homma & Hayward, Inc. 343,242; Feb. 16; Serial No. 377,274; published Dec. 1, 1936.

CLASS 23

Box making machinery and parts thereof. U. S. Automatic Box Machinery Co. Inc. 343,402; Feb. 16.
Engines, Oil. Murphy Diesel Company, Ltd. 343,406; Feb. 16.
Hoes, rakes, weeders, etc. G. Pirich. 343,231; Feb. 16; Serial No. 367,083; published Oct. 22, 1935.
Machines for preparing, dispensing, and/or handling beverages. M. Harrison. 343,399; Feb. 16.
Machines for the elimination of defects in the surfaces of metal bodies. Linde Air Products Company. 343,241; Feb. 16; Serial No. 377,226; published Dec. 8, 1936.
Milling machines. Turnmilling Corporation. 343,366; Feb. 16; Serial No. 383,241; published Dec. 8, 1936.
Saws. Ohlen-Bishop Company. 343,392; Feb. 16; Serial No. 384,266; published Dec. 8, 1936.
Scissors and shears. Clayton Manufacturing Company. 343,421; Feb. 16.
Tools, Hand operated. Miller Manufacturing Co. 343,363; Feb. 16; Serial No. 383,217; published Dec. 8, 1936.
Trucks and busses, Motor. International Motor Company. 343,407; Feb. 16.
Work stands and benches, Mechanics'. Armstrong Mfg. Co. 343,274; Feb. 16; Serial No. 382,300; published Dec. 8, 1936.
Wrenches, clamps, and clamp-carriers. James L. Taylor Mfg. Co. 116,471; renewed May 1, 1937.

CLASS 24

Wash tubs, Metal. Wheeling Corrugating Company. 343,313; Feb. 16; Serial No. 383,756; published Dec. 1, 1936.
Washing machines. Triangle Electric Co. 343,261; Feb. 16; Serial No. 380,806; published Dec. 8, 1936.
Washing machines, Laundry. Easy Washing Machine Corporation. 343,334; Feb. 16; Serial No. 384,319; published Dec. 8, 1936.

CLASS 25

Latches, garage door lock sets, night latches, etc., Thumb. Supplee-Biddle Hardware Co. 343,254; Feb. 16; Serial No. 379,855; published Dec. 1, 1936.

CLASS 26

Calculating machines. Marchant Calculating Machine Company. 343,282; Feb. 16; Serial No. 382,614; published Dec. 8, 1936.
Composite material adapted to be used in connection with optical devices. Sheet Polarizer Company. 343,337; Feb. 16; Serial No. 384,338; published Dec. 8, 1936.
Measures, Dry. Wheeling Corrugating Company. 343,314–5; Feb. 16; Serial Nos. 383,757–8; published Dec. 8, 1936.

CLASS 27

Watch cases. La France Jewelry Shop. Inc. 343,415; Feb. 16.

CLASS 28

Pearls and jewelry novelties, Synthetic. A. Weiner. 343,251; Feb. 16; Serial No. 378,960; published Dec. 1, 1936.

CLASS 29

Brushes. Herold Manufacturing Company. 343,412; Feb. 16.
Brushes. A. C. McMillen. 343,387; Feb. 16; Serial No. 384,147; published Dec. 8, 1936.
Brushes and brooms. Osborn Manufacturing Company. 343,380; Feb. 16; Serial No. 383,938; published Dec. 1, 1936.

CLASS 31

Cooler, Beer circulating. Beer-O-Lator Equipment Corp. 343,271; Feb. 16; Serial No. 382,083; published Dec. 8, 1936.
Refrigerated display and service units. Russ Soda Fountain Company. 343,362; Feb. 16; Serial No. 383,201; published Dec. 1, 1936.
Refrigerators. Fairbanks, Morse & Co. 343,397; Feb. 16; Serial No. 384,583; published Dec. 8, 1936.
Refrigerators, and cooling units therefor, Electrical. Universal Cooler Corporation. 343,239; Feb. 16; Serial No. 376,821; published June 16, 1936.

CLASS 32

Furniture. Tomlinson of High Point. 343,413; Feb. 16. Tables and chairs, beds, etc. Goldman Bros. 116,622–3; renewed May 15, 1937.

CLASS 33

Glass and, ordinary window glass, Heat absorbing filter. Corning Glass Works. 343,262; Feb. 16; Serial No. 381,022; published Dec. 8, 1936.

CLASS 34

Candlesticks, candle sconces, and candelabra. Art Brass Company. 343,234; Feb. 16; Serial No. 374,074; published Dec. 8, 1936.
Condensers. Niagara Blower Company. 343,250; Feb. 16; Serial No. 378,323; published Dec. 8, 1936.
Dampers for boilers and furnaces, Check draft and primary draft. New England Coke Company. 343,273; Feb. 16; Serial No. 382,230; published Dec. 8, 1936.

CLASS 35

Belting, Solid woven. B. L. Duryea. 343,420; Feb. 16.
Packing, Asbestos-fiber sheet. Home Rubber Company. 117,145; renewed June 19, 1937.

CLASS 36

Pianos. Winter & Co. 343,375; Feb. 16; Serial No. 383,906; published Nov. 24, 1936.

CLASS 37

Paper, envelopes, and blank invoices, Writing. J. Goldenberg. 343,293; Feb. 16; Serial No. 382,912; published Dec. 8, 1936.
Papers. Tileston & Hollingsworth Company. 343,414; Feb. 16.
Pens and pencils, leads and erasers, Fountain. Penecraft, Inc. 343,410; Feb. 16.
Pens, mechanical pencils, and desk sets, Fountain. Parker Pen Company. 343,360; Feb. 16; Serial No. 383,179; published Dec. 8, 1936.

CLASS 38

Cartoons, Newspaper. Publishers Syndicate. 343,243; Feb. 16; Serial No. 377,322; published Dec. 1, 1936.
Magazine. Massachusetts Diesel Institute. 343,371; Feb. 16; Serial No. 383,315; published Dec. 1, 1936.
Newspaper. E. T. Earl. 115,169; renewed Jan. 30, 1937.
Newspaper-sections. K. Hubbard. 114,243; renewed Dec. 5, 1936.
Periodical. Bowen Press, Inc. 343,297; Feb. 16; Serial No. 383,465; published Dec. 1, 1936.
Periodical. A. W. Nehl. 343,286; Feb. 16; Serial No. 382,763; published Dec. 1, 1936.
Periodical. New York Woman, Incorporated. 343,269; Feb. 16; Serial No. 381,684; published Dec. 1, 1936.
Publication, Weekly news. American Trucking Associations, Inc. 343,287; Feb. 16; Serial No. 382,817; published Dec. 1, 1936.

CLASS 39

Apparel. Kops Bros. 116,144; renewed Apr. 10, 1937.
Aprons, hooverettes, etc. Levin & Co. 343,266; Feb. 16; Serial No. 381,273; published Nov. 24, 1936.
Bathrobes and lounging robes, Men's. Sears, Roebuck and Co. 343,382; Feb. 16; Serial No. 383,952; published Dec. 8, 1936.
Brassières and children's underwaists. Kabo Corset Co. 115,891; renewed Mar. 20, 1937.
Clothing. Pinto-Merwin, Inc. 343,275; Feb. 16; Serial No. 382,319; published Dec. 8, 1936.
Clothing for women, misses, and children. King & Applebaum. 116,847; renewed May 29, 1937.
Coats and suits, Ladies' and misses'. Levy, Blum & Goldschmidt Corp. 343,319; Feb. 16; Serial No. 383,811; published Dec. 8, 1936.
Coats and suits, Ladies' and misses'. Sisselman Bros., Inc. 343,316; Feb. 16; Serial No. 383,787; published Nov. 24, 1936.
Coats, pants, vests, etc. Jacob Pollack & Sons. 343,249; Feb. 16; Serial No. 378,266; published Dec. 1, 1936.
Coats, suits, and blouses. Dave Bellsey Company. 343,278; Feb. 16; Serial No. 382,461; published Dec. 8, 1936.

Coats, suits, and dresses. Graff & Graff, Inc. 343,285; Feb. 16; Serial No. 382,751; published Nov. 24, 1936.
Coats, sweaters, and blouses. A. J. Mayer. 343,257; Feb. 16; Serial No. 380,211; published Dec. 1, 1936.
Coats, vests, trousers, etc. J. Schoeneman, Inc. 343,299; Feb. 16; Serial No. 383,489; published Nov. 24, 1936.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 343,300; Feb. 16; Serial No. 383,547; published Nov. 17, 1936.
Coats, Women's fur. H. Goldberg. 343,240; Feb. 16; Serial No. 376,902; published Dec. 8, 1936.
Collars. Brooks Brothers. 343,419; Feb. 16.
Dresses. Glendale Frocks, Inc. 343,379; Feb. 16; Serial No. 383,926; published Nov. 24, 1936.
Dresses. Mayflower Dress Company. 343,327; Feb. 16; Serial No. 384,041; published Dec. 1, 1936.
Dresses, cloaks, coats, and suits. Style Garment Company. 343,356; Feb. 16; Serial No. 383,038; published Dec. 8, 1936.
Dresses, Ladies'. Reliance Manufacturing Company. 343,305; Feb. 16; Serial No. 383,599; published Nov. 17, 1936.
Dresses, sweaters, and skirts. Classic Knitters, Inc. 343,292; Feb. 16; Serial No. 382,904; published Nov. 17, 1936.
Frocks, suits for boys, and dresses. Jacobs, Grossman & Rosenberg, Inc. 343,279; Feb. 16; Serial No. 382,513; published Nov. 24, 1936.
Garment, Coat and snow pants ensemble. Rosenblatt & Kahn. 343,256; Feb. 16; Serial No. 380,158; published Nov. 24, 1936.
Garments, Women's and children's. T. J. Murphy Fur Co. 343,364; Feb. 16; Serial No. 383,218; published Nov. 24, 1936.
Hats and caps. Young's Merchandising Corporation. 343,417; Feb. 16.
Hose, Men's. Coopers, Incorporated. 343,302; Feb. 16; Serial No. 383,571; published Nov. 17, 1936.
Hosiery. Everlast Silk Hosiery Mills Inc. 343,284; Feb. 16; Serial No. 382,713; published Nov. 24, 1936.
Hosiery. S. Feinberg. 343,318; Feb. 16; Serial No. 383,804; published Dec. 8, 1936.
Hosiery. Marshall Field & Company. 343,386; Feb. 16; Serial No. 383,995; published Nov. 24, 1936.
Hosiery. W. T. Grant Company. 115,887; renewed Mar. 20, 1937.
Hosiery. Harrington & Waring. 343,289; Feb. 16; Serial No. 382,829; published Dec. 1, 1936.
Hosiery. S. H. Kress and Company. 343,295; Feb. 16; Serial No. 383,436; published Nov. 17, 1936.
Hosiery. Sears, Roebuck and Co. 343,383; Feb. 16; Serial No. 383,953; published Nov. 24, 1936.
Knickers, sport, riding, and golf trousers, and trousers, Golf. H. Lissner Company. 343,304; Feb. 16; Serial No. 383,583; published Nov. 17, 1936.
Mufflers. H. C. Cohn & Co. 343,248; Feb. 16; Serial No. 378,132; published Dec. 8, 1936.
Mufflers. Tark Textile Corporation. 343,306; Feb. 16; Serial No. 383,603; published Dec. 1, 1936.
Pajamas. Kaylon, Inc. 343,408; Feb. 16.
Shirts. Troutman Shirt Company. 343,301; Feb. 16; Serial No. 383,553; published Dec. 8, 1936.
Shirts, Men's. Chas. C. Bassine Co. 343,317; Feb. 16; Serial No. 383,800; published Nov. 24, 1936.
Shirts, outer-shirts, knit jackets, etc., Polo. Norwich Knitting Company. 343,416; Feb. 16.
Shoes. Elder and Johnston Company. 343,411; Feb. 16.
Shoes. Sears, Roebuck and Co. 115,672–5; renewed Feb. 27, 1937.
Suits. John Wanamaker Philadelphia. 343,328; Feb. 16; Serial No. 384,062; published Dec. 1, 1936.
Suits and coats. Anderson-Kondazian Co. 343,326; Feb. 16; Serial No. 384,022; published Dec. 1, 1936.
Suits and sweaters, Bathing. Paragon Knitting Mills, Inc. 343,332; Feb. 16; Serial No. 384,163; published Dec. 1, 1936.
Suits, blouses, shirts, etc. New Idea Yankee Togs, Inc. 343,403; Feb. 16.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 343,322; Feb. 16; Serial No. 383,883; published Nov. 24, 1936.
Suits, ski pants, pants and jackets, Snow. Kenilworth Mfg. Co. 343,307; Feb. 16; Serial No. 383,628; published Nov. 24, 1936.
Suits, top coats, rain coats, etc., Men's. A. Finkenberg's Sons, Inc. 343,369–70; Feb. 16; Serial Nos. 383,262–3; published Nov. 24, 1936.
Topcoats. Joseph & Feiss Company. 343,244; Feb. 16; Serial No. 377,548; published Dec. 1, 1936.
Topcoats, Men's and boys'. Levy Bros. & Adler Rochester, Incorporated. 343,230; Feb. 16; Serial No. 366,863; published Nov. 19, 1935.
Topcoats, overcoats and suits. Jacob Siegel Company. 343,401; Feb. 16.
Trunks, Swimming. Vassar Company. 343,359; Feb. 16; Serial No. 383,147; published Nov. 24, 1936.
Underwear. Van Raalte Company. 343,308; Feb. 16; Serial No. 383,694; published Nov. 17, 1936.
Underwear, Knit. Globe Knitting Works. 343,311; Feb. 16; Serial No. 383,733; published Nov. 17, 1936.
Underwear, pajamas, nightgowns, and dresses, Ladies' rayon. Dutchess Underwear Corporation. 343,376–7; Feb. 16; Serial Nos. 383,918–19; published Nov. 24, 1936.
Uniforms, house dresses, etc., Nurses'. White Swan Uniforms, Inc. 343,294; Feb. 16; Serial No. 383,421; published Nov. 17, 1936.

CLASS 40

Hair curlers, hair pins, and combs, Non-electrical. W. Finkelstein. 343,358; Feb. 16; Serial No. 383,056; published Dec. 1, 1936.
Straps, Shoulder. Narrow Fabric Company. 343,267; Feb. 16; Serial No. 381,464; published Dec. 8, 1936.

CLASS 42

Cotton dress goods. Edwin E. Berliner & Co. 343,226; Feb. 16; Serial No. 360,062; published Sept. 17, 1935.
Cotton piece goods. Caledonia Woolen Mills. 343,367; Feb. 16; Serial No. 383,254; published Dec. 8, 1936.
Cotton piece goods. Lonsdale Company. 116,146; renewed Apr. 10, 1937.
Cotton piece goods. Wellington Sears Company. 343,338; Feb. 16; Serial No. 384,347; published Dec. 8, 1936.
Cotton, rayon, acetate, and/or silk piece goods. Cohn-Hall-Marx Co. 343,340; Feb. 16; Serial No. 384,370; published Dec. 8, 1936.
Fabrics, Elastic. Columbia Narrow Fabric Company. 343,253; Feb. 16; Serial No. 379,584; published Dec. 8, 1936.
Hair-nets. M. Herzog. 116,845; renewed May 29, 1937.
Hair-nets. M. Herzog. 117,038; renewed June 12, 1937.
Netting. Salzman & Klinger, Inc. 343,381; Feb. 16; Serial No. 383,945; published Dec. 8, 1936.
Piece goods. Lampl Sportswear Manufacturing Company. 343,264–5; Feb. 16; Serial Nos. 381,112–3; published Dec. 8, 1936.
Rayon and acetate cloth. Chopak Textile Co. Inc. 343,404; Feb. 16.
Textile fabrics. Collins and Aikman Corporation. 343,330; Feb. 16; Serial No. 384,119; published Dec. 8, 1936.

CLASS 44

Abdominal belts, reducing belts, reducing corsets, etc. E. Greene. 343,270; Feb. 16; Serial No. 382,053; published Dec. 8, 1936.
Bandages, Self-adhering gauze. General Bandages, Inc. 343,310; Feb. 16; Serial No. 383,731; published Dec. 8, 1936.
Gauze, bandages, and absorbent cotton. R. Rebold. 343,365; Feb. 16; Serial No. 383,227; published Dec. 8, 1936.
Heat insulating pads used in permanent waving. National Mineral Company. 343,238; Feb. 16; Serial No. 376,486; published Dec. 8, 1936.

CLASS 45

Beverages, and syrups for making the same. Citrus Club Products, Inc. 343,368; Feb. 16; Serial No. 383,258; published Dec. 8, 1936.
Lime juice, Bottled and canned. Zest Company. 343,339; Feb. 16; Serial No. 384,358; published Dec. 8, 1936.

CLASS 46

Beans with chile flavored tomato sauce, canned soups, canned vegetables, etc. Foodland, Inc. 343,418; Feb. 16.
Canned food for dogs, etc. Illinois Meat Company. 343,280; Feb. 16; Serial No. 382,595; published Dec. 8, 1936.
Canned goods. R. H. Macy & Co. 115,778; renewed Mar. 6, 1937.
Canned salmon. Chinook Packing Company. 115,161; renewed Jan. 30, 1937.
Canned salmon. Columbia River Packers Association. 115,069; renewed Jan. 23, 1937.
Canned salmon. Columbia River Packers Association. 117,112; renewed June 19, 1937.
Canned sardines. La Manna, Azema & Farnan. 115,774; renewed Mar. 6, 1937.
Coffee and tea. Shear Coffee Company of Texas. 343,260; Feb. 16; Serial No. 380,411; published Dec. 8, 1936.
Foods. Nave-McCord Mercantile Co. 114,814–5; renewed Jan. 2, 1937.
Lard substitute of cotton-seed oil and oleo-stearin. Interstate Cotton Oil Refining Co. 117,149; renewed June 19, 1937.
Macaroni, preserved figs, ripe olives. Austin, Nichols & Co. 115,720; renewed Mar. 6, 1937.
Mayonnaise. Conway Import Co. Inc. 343,409; Feb. 16.
Noodles. R. Eisinger. 116,299; renewed Apr. 24, 1937.
Poultry, Dressed. Solomon Bros. 343,324; Feb. 16; Serial No. 383,959; published Dec. 8, 1936.
Poultry, Dressed. Solomon Bros. 343,384; Feb. 16; Serial No. 383,958; published Dec. 8, 1936.
Sauce. E. H. Jacob, Jr. 343,309; Feb. 16; Serial No. 383,702; published Dec. 8, 1936.
Shortening. Interstate Cotton Oil Refining Co. 117,150; renewed June 19, 1937.

CLASS 47

Wines. H. Sichel & Sons Limited. 343,290; Feb. 16; Serial No. 382,892; published Dec. 8, 1936.
Wines, Sparkling. Henkell & Co. 343,258–9; Feb. 16; Serial Nos. 380,399–400; published Dec. 8, 1936.

CLASS 48

Ale. Atlas Brewing Company. 343,325; Feb. 16; Serial No. 383,973; published Dec. 1, 1936.
Beer. Flint Hill Brewing Company. 343,247; Feb. 16; Serial No. 377,922; published Dec. 8, 1936.
Beer. F. & M. Schaffer Brewing Co. 343,361; Feb. 16; Serial No. 383,196; published Dec. 8, 1936.
Beer. Southern Brewing Company. 343,355; Feb. 16; Serial No. 383,036; published Dec. 8, 1936.

CLASS 49

Brandy. Ramshead Distilling Co. 343,400; Feb. 16.
Essences, extracts, blending agents, etc., Alcoholic. Fries & Fries, Inc. 343,343; Feb. 16; Serial No. 384,420; published Dec. 1, 1936.
Fabrication of aguardiente (alcohol distilled for sugar cane) and wine. C. F. Hernandez, S. en C. 343,276–7; Feb. 16; Serial Nos. 382,353–4; published Dec. 1, 1936.
Gin. James Clark Distilling Corporation. 343,225; Feb. 16; Serial No. 359,943; published Apr. 9, 1935.
Gin. Pacific Distillers, Inc. 343,344; Feb. 16; Serial No. 384,432; published Dec. 1, 1936.
Gin. Pacific Distillers, Inc. 343,346; Feb. 16; Serial No. 384,434; published Dec. 8, 1936.
Gin. Joseph H. Reinfeld, Inc. 343,395; Feb. 16; Serial No. 384,556; published Dec. 1, 1936.
Gin and whiskey. Charles & Co. 343,342; Feb. 16; Serial No. 384,408; published Dec. 1, 1936.
Gins. P. Melchers' Distilleries. 343,246; Feb. 16; Serial No. 377,799; published June 16, 1936.
Liqueur, Coffee. L. B. Foster. 343,272; Feb. 16; Serial No. 382,141; published Dec. 8, 1936.
Rum. West Indies Rum Distilleries, Inc. 343,255; Feb. 16; Serial No. 379,926; published Dec. 8, 1936.
Rum. White, Keeling (Rum) Limited. 343,391; Feb. 16; Serial No. 384,225; published Dec. 8, 1936.
Whiskey. Bellows & Company. 343,349; Feb. 16; Serial No. 384,496; published Dec. 1, 1936.
Whiskey. George Benz Sons, Inc. 343,351; Feb. 16; Serial No. 384,782; published Dec. 8, 1936.
Whiskey. Chapin & Gore, Inc. 343,385; Feb. 16; Serial No. 383,982; published Dec. 1, 1936.
Whiskey. Kraus Bros. & Co. Inc. 343,341; Feb. 16; Serial No. 384,379; published Dec. 8, 1936.
Whiskey. Pacific Distillers, Inc. 343,345; Feb. 16; Serial No. 384,433; published Dec. 1, 1936.
Whiskey. G. Singer. 343,389; Feb. 16; Serial No. 384,221; published Dec. 1, 1936.
Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 343,228; Feb. 16; Serial No. 361,370; published Apr. 23, 1935.
Whiskey, gin, rum, etc. T. J. Pendergast Wholesale Liquor Co. 343,298; Feb. 16; Serial No. 383,479; published Dec. 8, 1936.
Whiskey, gin, rum, etc. Schenley Distributors, Inc. 343,353; Feb. 16; Serial No. 384,869; published Dec. 8, 1936.

LIST OF LABELS

Betty's Pure Candy. For Candy. P. J. Sbisa, Sr. 48,967; Feb. 16.
Caracas. For Coffee. J. J. Faraco. 48,965; Feb. 16.
Chocolates MacFarlane. For Chocolates, Packed Boxes, Half Chocolates and Half Chocolate Nuts. Awful Fresh MacFarlane. 48,962; Feb. 16.
Dr. Price's. For Phosphate Baking Powder. Standard Brands Incorporated. 48,968; Feb. 16.
Ken-L-Ration. For a Beef Meat Food Product for Dogs. Chappel Bros. Inc. 48,963; Feb. 16.
Ruby Beauty Aid. For a Dry Hair Remover. E. L. Rubinsky. 48,966; Feb. 16.
Split Rock. For Lime Rickey. E. J. Couture. 48,964; Feb. 16.

LIST OF PRINTS

Athlete's Foot. For a Preparation for Treating Athlete's Foot. F. W. Ames. 16,076; Feb. 16.
Rhythm Wheeling. For Bicycles. Ingersoll Steel & Disc Division of Borg-Warner Corporation. 16,078; Feb. 16.
Savogran Paint Brush Cleaner. For a Preparation for Cleaning Used Paint Brushes. Savogran Company. 16,079; Feb. 16.
Vitalitea. For Tea. L. L. Bredin. 16,077; Feb. 16.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bell Telephone Laboratories, Incorporated. (See Dowd, Andrew D., assignor.)
Clark, Harry F. (See Fish, M. W., and Clark, assignors.)
Cooper, Sheldon D., assignor to Republic Steel Corporation, Youngstown, Ohio. Apparatus for handling bent metal. 20,264; Feb. 16.
Dewey and Almy Chemical Company. (See Neiley, Stephen B., assignor.)
Dowd, Andrew D., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph circuit. 20,265; Feb. 16.
Dunbar, Thomas L., and A. D. Merrill, Watertown, N. Y. Method and apparatus for the digestion of fibrous material. 20,266; Feb. 16.
Dunbar, Thomas L., and A. D. Merrill, Watertown, N. Y. Digesting process and apparatus. 20,267; Feb. 16.
Fish, Mortimer W., and H. F. Clark, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 20,268; Feb. 16.
General Motors Corporation. (See Fish, M. W., and Clark, assignors.)
Green, Harry A., Portland, Oreg. Traveling work table. 20,269; Feb. 16.
Hansen, Aage C. C. (See Matthews, J. L., and Hansen.)
International Motor Company. (See Matthews, J. L., and Hansen, assignors.)
Matthews, Joseph L., Highland Park, and A. C. C. Hansen, Lindenau, N. J., assignors to International Motor Company, New York, N. Y. Spline shaft. 20,270; Feb. 16.
Merrill, Albert D. (See Dunbar, T. L., and Merrill.)
Neiley, Stephen B., Winchester, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Fibrous sheet material. 20,271; Feb. 16.
Republic Steel Corporation. (See Cooper, Sheldon D., assignor.)
Sbicca, Frank, assignor to Sbicca-Method Shoes Incorporated, Philadelphia, Pa. Making shoes. 20,273; Feb. 16.
Sbicca, Frank, assignor to Sbicca-Method Shoes Incorporated, Philadelphia, Pa. Complementary insole-outsole combination shoe and producing same. 20,274; Feb. 16.
Sbicca-Method Shoes Incorporated. (See Sbicca, Frank, assignor.)
Wiegand, Edwin L., Pittsburgh, Pa. Electric resistance heating element. 20,272; Feb. 16.

LIST OF PLANT PATENTEES

Burbank, Elizabeth W., executrix. (See Burbank, Luther.)
Burbank, Luther, deceased, by E. W. Burbank, executrix, Santa Rosa, Calif., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Rose. 235; Feb. 16.
Stark Bro's Nurseries & Orchards Company. (See Burbank, Luther, assignor.)

LIST OF DESIGN PATENTEES

Alliance Porcelain Products Company, The. (See Chesney, Robert M., assignor.)
American Seating Company. (See Bond, Willard H., Jr., assignor.)
Arden, Elizabeth, Sales Corporation. (See Lewis, Florence N., assignor.)
Baack, Howard E., and E. A. Tischer, Chicago, Ill., assignors to F. Z. Woods. Game board. 103,207; Feb. 16.
Badger Meter Manufacturing Company. (See Miller, Jacob C., assignor.)
Baird, Monbrey D., Babylon, assignor to N. E. Herzfeld, and S. S. Herzfeld, co-partners doing business as Stephen Rug Mills, New York, N. Y. Rug. 103,264; Feb. 16.
Baird, Monbrey D., Babylon, assignor to N. E. Herzfeld, and S. S. Herzfeld, co-partners doing business as Stephen Rug Mills, New York, N. Y. Rug. 103,265; Feb. 16.
Bancroft Walker Company. (See Weinstat, Samuel.)
Baum, Louis, New York, N. Y. Dress. 103,208; Feb. 16.
Beiser, Edward T., Company. (See Beiser, Oscar E., assignor.)
Beiser, Oscar E., assignor to Edward T. Beiser Company, Inc., Stamford, Conn. Bottle or similar container. 103,209; Feb. 16.
Berch, Samuel H., assignor to Western Dairy Products, Inc., Los Angeles, Calif. Bottle hood. 103,266; Feb. 16.
Birnbaum, Leon, New York, N. Y. Lace. 103,275; Feb. 16.
Boardman, Harry C., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Storage tank. 103,210; Feb. 16.
Bond, Willard H., Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich. Chair. 103,211; Feb. 16.
Brown, Theodore A., Council Bluffs, Iowa. Air retarder for an automobile radiator. 103,212; Feb. 16.
Burger, William, Jamaica, N. Y., assignor to East Side Metal Spinning & Stamping Corp., New York, N. Y. Lamp shade. 103,213; Feb. 16.
Cahn, Oscar J., New York, N. Y. Textile fabric. 103,276; Feb. 16.
Caldwell, Charles H., Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 103,214; Feb. 16.
Caldwell, Charles H., Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 103,215; Feb. 16.
Cevasco, Edmund D., Akron, Ohio. Bathing mat for infants. 103,216; Feb. 16.
Chesney, Robert M., assignor to Alliance Porcelain Products Company, Alliance, Ohio. Washing machine tub. 103,217; Feb. 16.
Chicago Bridge & Iron Company. (See Boardman, Harry C., assignor.)
Chicago Bridge & Iron Company. (See Horton, George T., assignor.)
Christensen, Walter E. (See Mooney, H., and Christensen.)
Cohen, David S., Brooklyn, N. Y. Shoe. 103,218; Feb. 16.
Coleman, Tora, New York, N. Y. Dress. 103,219; Feb. 16.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Bread box. 103,220; Feb. 16.
Cook, Charles E. (See Stone, A. A., and Cook.)
Crandall, Mildred, assignor to Van Raalte Company, New York, N. Y. Glove. 103,221; Feb. 16.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 103,277; Feb. 16.
Del Re, Gennaro, New York, N. Y. Sandal. 103,222; Feb. 16.
Del Re, Gennaro, New York, N. Y. Sandal. 103,223; Feb. 16.
Del Re, Gennaro, New York, N. Y. Slipper. 103,224; Feb. 16.
Doering, Charles, Chicago, Ill. Advertising device. 103,225; Feb. 16.
East Side Metal Spinning & Stamping Corp. (See Burger, William, assignor.)
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Fishman, Jacob, Brooklyn, N. Y., assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 103,226; Feb. 16.
Fradkin, Samuel, Lewiston, Maine. Shoe. 103,227; Feb. 16.
Freedman, William, New York, N. Y. Blouse. 103,278; Feb. 16.
Gatti, Attilio, New York, N. Y. Textile fabric. 103,279; Feb. 16.

Gredell, Otto N., Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo. Truck tank. 103,228; Feb. 16.
Haessler, Max, Buenos Aires, Argentina. Carton or similar article. 103,229; Feb. 16.
Hanley, Arthur W., Tampa, Fla. Label blank. 103,230; Feb. 16.
Hanson, Eugene I., New York, N. Y. Textile fabric. 103,280; Feb. 16.
Hazen Paper Company. (See Hobbs, Robert F., Jr.)
Heller, Henry R., Larchmont, N. Y. Upright piano. 103,231; Feb. 16.
Herzfeld, Nathan E. (See Baird, Moubrey D., assignor.)
Herzfeld, Saul S. (See Baird, Moubrey D., assignor.)
Heywood-Wakefield Company. (See Parrish, Frank T., assignor.)
Higginson, George J., assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y. Plate or similar article. 103,232; Feb. 16.
Hobbs, Robert F., Jr., Washington, N. J., assignor to Hazen Paper Company, Holyoke, Mass. Decorative paper. 103,281; Feb. 16.
Hoffheimer, Arthur B., Chicago, Ill. Tray. 103,233; Feb. 16.
Hoffheimer, Arthur B., Chicago, Ill. Tray. 103,234; Feb. 16.
Horton, George T., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Storage tank. 103,235; Feb. 16.
Hufnagel, Joseph F., Los Angeles, Calif. Combined tray and holder. 103,236; Feb. 16.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Jennings, O. D. & Co. (See Jennings, Ode D., assignor.)
Jennings, Ode D., assignor to O. D. Jennings & Co., Chicago, Ill. Weighing device. 103,284; Feb. 16.
Johnson Bros. (Hanley) Ltd. (See Higginson, George J., assignor.)
Keith, Geo. E., Company. (See Caldwell, Charles H., assignor.)
Keith, Geo. E., Company. (See Fishman, Jacob, assignor.)
Kranz, Irwin, New York, N. Y. Dress. 103,237; Feb. 16.
Langbaum, Maurice, Brooklyn, N. Y. Lamp. 103,282; Feb. 16.
Le Clercq, Raymond, assignor to Pacific Hard Rubber Co., Los Angeles, Calif. Battery box. 103,238; Feb. 16.
Lee, Mart E. (See Johannes H., assignor.)
Lewis, Florence N., New York, N. Y., assignor to Elizabeth Arden Sales Corporation. Vanity case. 103,239; Feb. 16.
Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Combined brush and nozzle. 103,240; Feb. 16.
Lorr Laboratories, Inc. (See Reynolds, Edwin T., assignor.)
Lowenstein, Malcolm W., assignor of one-half to S. Silberstein, Baltimore, Md. Sea food pick. 103,241; Feb. 16.
Lowenstein, Malcolm W., assignor of one-half to S. Silberstein, Baltimore, Md. Crab and lobster cracker. 103,242; Feb. 16.
Maclear, Lucie J., assignor to Van Raalte Company, New York, N. Y. Glove. 103,285; Feb. 16.
Magnus, Finn, East Orange, N. J. Table tennis racket. 103,243; Feb. 16.
McConville, Francis, Framingham, assignor to Sack, Inc., Boston, Mass. Drawer pull. 103,244; Feb. 16.
McPherson, Elmer T., Sabina, Ohio. Tool handle. 103,245; Feb. 16.
Miller, Jacob C., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Casing for hose-end meter and valve. 103,246; Feb. 16.
Mooney, Hugh and W. E. Christensen, San Francisco, Calif. Automobile license plate ornament. 103,247; Feb. 16.
Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Artificial Christmas tree. 103,267; Feb. 16.
Onondaga Pottery Company. (See Trarleux, Annie, assignor.)
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Pacific Hard Rubber Co. (See Le Clercq, Raymond, assignor.)
Parrish, Frank T., Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Chair. 103,249; Feb. 16.
Parrish, Frank T., Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Desk. 103,250; Feb. 16.
Pribil, Alexis R., Saginaw, Mich. Vehicle. 103,248; Feb. 16.
Price, David W., New York, N. Y. Dress. 103,268; Feb. 16.
Prouty, Willis O., Hermosa Beach, Calif. Jug. 103,286; Feb. 16.
Pullen, Harry, Preston, Md. Wind reed musical toy or the like. 103,251; Feb. 16.
Reinsberg, Philip, Chicago, Ill. Combined cap and pedestal for a collapsible tube. 103,269; Feb. 16.
Reynolds, Edwin T., assignor to Lorr Laboratories, Inc., West New York, N. J. Bottle. 103,287; Feb. 16.
Richards, Ernest V., Jr., New Orleans, La. Combined ticket mutilating and commodity display cabinet. 103,252; Feb. 16.
Rosenfeld, John, Philadelphia, Pa. Bathing garment. 103,253; Feb. 16.
Ross, Joseph, New York, N. Y. Pencil sharpener. 103,288; Feb. 16.
Sack, Inc. (See McConville, Francis, assignor.)
Silberstein, Samuel. (See Lowenstein, Malcolm W., assignor.)
Standard Steel Works. (See Gredell, Otto N., assignor.)
Steichen, Marie C., West Englewood, N. J. Curler or similar article. 103,254; Feb. 16.
Stephen Rug Mills. (See Baird, Moubrey D., assignor.)
Stone, Arthur A., and C. E. Cook, assignors to Storoco Engineering Corporation, Highland Park, Mich. Vacuum cleaner. 103,255; Feb. 16.
Storoco Engineering Corporation. (See Stone, A. A., and Cook, assignors.)
Tischer, Elmer A. (See Baack, H. E. and Tischer.)
Trarleux, Annie, Tulle, France, assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 103,256; Feb. 16.
Trarleux, Annie, Tulle, France, assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 103,257; Feb. 16.
Turner, George L., Taunton, Mass. Spoon or similar article. 103,258; Feb. 16.
Turner, George L., Taunton, Mass. Spoon or similar article. 103,259; Feb. 16.
Turpan, Mark, West New York, N. J. Textile fabric. 103,270; Feb. 16.
Turpan, Mark, West New York, N. J. Textile fabric. 103,271; Feb. 16.
Turpan, Mark, West New York, N. J. Textile fabric. 103,272; Feb. 16.
Turpan, Mark, West New York, N. J. Textile fabric. 103,273; Feb. 16.
Turpan, Mark, West New York, N. J. Textile fabric. 103,274; Feb. 16.
Van Raalte Company. (See Crandall, Mildred, assignor.)
Van Raalte Company. (See Maclear, Lucie J., assignor.)
Waxelbaum, Sol J., Atlanta, Ga. Shoe. 103,263; Feb. 16.
Weinstat, Samuel, New York, N. Y., assignor to Bancroft Walker Company, Waltham, Mass. Shoe. 103,283; Feb. 16.
Wendt, Johannes H., assignor of one-half to M. E. Lee, Chicago, Ill. Aeroplane. 103,289; Feb. 16.
Wendt, Johannes H., assignor of one-half to M. E. Lee, Chicago, Ill. Aeroplane. 103,290; Feb. 16.
Wendt, Johannes H., assignor of one-half to M. E. Lee, Chicago, Ill. Aeroplane. 103,291; Feb. 16.
Western Dairy Products, Inc. (See Berch, Samuel H., assignor.)
Woods, Frank Z. (See Baack, H. E., and Tischer, assignors.)
Wurlitzer Rudolph Company, The. (See Zaiser, William, assignor.)
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Piano. 103,260; Feb. 16.
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Piano. 103,261; Feb. 16.
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Piano. 103,262; Feb. 16.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahams, Alexander I., New York, N. Y. Acoustic horn. 2,071,153; Feb. 16.
Abramoska, Alfred A. (See Cox, J. R., and Abramoska.)
Acme Steel Company. (See Wilson, Allen B., assignor.)
Adams, Chester E., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricating oil refining. 2,070,567; Feb. 16.
Adams, Elmer W. (See Brunstrum, L. C., and Adams.)
Adams, Herbert L., Washington, D. C. Noiseless device. 2,071,012; Feb. 16.
Adams, James L., Jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Method of and apparatus for pipe finishing. 2,071,154; Feb. 16.
Addressograph-Multigraph Corporation. (See Berthelsen, Erhard U. T., assignor.)
Addressograph-Multigraph Corporation. (See Gollwitzer, Walter T., assignor.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Aerovox Corporation. (See Moynihan, John J., assignor.)
Aff, Charles E. G., Jamaica, N. Y. Machine knife adjustment and locking device. 2,071,055; Feb. 16.
Agger, Jens, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,070,637; Feb. 16.
Ajdukovich, George, St. Louis, Mo. Carburetor control for automobiles. 2,071,013; Feb. 16.
Akers, Milton K., Troy, assignor to J. T. Patterson, Dayton, Ohio. Game. 2,071,014; Feb. 16.
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Johnson, Bror A. E., assignor.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Örström, Gustaf, assignor.)
Alco Products Incorporated. (See Barclay, J. M., and Forbes, assignors.)
Alexander, John R. et al. (See Carter, William A., assignor.)
Alexander, Samuel, Hartford, Conn. Display device. 2,071,155; Feb. 16.
Alfina Immobilien-Finanzierungs- & Verwaltungs A. G. See Korbuly, Károly, assignor.)
Allen-Bradley Company. (See Wilms, G. O., and Petersen, assignors.)
Allen, Marvin K., Houston, Tex. Apparatus for erecting tanks. 2,071,246; Feb. 16.
Allison, Leslie R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,071,056; Feb. 16.
Allison, Ray R., and C. A. Steinbeck, Kansas City, Mo. Automobile clearance signal. 2,071,100; Feb. 16.
Allyn, William N., Auburn, N. Y. Laryngoscope. 2,070,820; Feb. 16.
Almgren, August E., Hillside, N. J., assignor to American Can Company, New York, N. Y. Stacking device. 2,070,568; Feb. 16.
Aluminum Company of America. (See Keller, F., and Craighead, assignors.)
Amend, William J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of alkyl phthalates. 2,070,770; Feb. 16.
American Armament Corporation. (See Joyce, Bryan P., assignor.)
American Can Company. (See Almgren, August E., assignor.)
American Can Company. (See Nordquist, Ronald E. J. assignor.)
American Coating Mills. (See Colbert, C. C., and Daly, assignors.)
American Electrical Heater Company. (See Kuhn, F. and Thomas, assignors.)
American Fork & Hoe Company, The. (See Wonham, Fred S., assignor.)
American Paper Bottle Company, The. (See Reade, C. W. and Scott, assignors.)
American Rolling Mill Company, The. (See Hayes, A. and Canfield, assignors.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Sheet and Tin Plate Company. (See Moore, Edwin E., assignor.)
American Smelting and Refining Co. (See MacMichael, Hugh R., assignor.)
American Steel and Wire Company, The. (See Hillix, Foster F., assignor.)
American Steel and Wire Company of New Jersey, The. (See Reis, Clarence P., assignor.)
American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Rea, Wilton T., assignor.)
Anchor Cap & Closure Corporation. (See Gibbs, John C., assignor.)
Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Sprinker for receptacles. 2,071,101; Feb. 16.
Anderson, Nels A., Stockton, assignor to Fibreboard Products, Inc., San Francisco, Calif. Box making machine. 2,070,704; Feb. 16.
Andrews, Bernard R., Braintree, Mass. Method of and apparatus for drying material in sheet or web form. 2,071,015; Feb. 16.
Angle, Glenn D., Cincinnati, Ohio. Connecting rod construction for radial type internal combustion engines. 2,071,193; Feb. 16.
Ansley, Arthur C., New York, N. Y. Eliminating hum in push-pull circuits. 2,070,772; Feb. 16.
Anton, Frederick A., Topeka, Kans. Front pole adjustment for lateral arm awnings. 2,070,639; Feb. 16.
Apex Electrical Manufacturing Company, The. (See Racklyeft, John W., assignor.)
Archea, Walter D. (See Roehm, E. G., and Archea.)
Archea, Walter D. (See Romaine, M., Archea, and Roehm.)
Archer, William M., Barbourville, Ky. Crib. 2,071,016; Feb. 16.
Arndt, William F., and J. H. Ganzer, assignors to The Coolerator Company, Duluth, Minn. Ice pick. 2,070,773; Feb. 16.
Arras, George, Chicago, Ill. Fixture support. 2,070,877; Feb. 16.
Artzt, Walter, Philadelphia, Pa. Denture. 2,070,771; Feb. 16.
Asam, Frank H., assignor to F. O. Gaukler, Detroit, Mich. Automotive differential gearing. 2,070,569; Feb. 16.
Ashley, Raymond E., Waban, Mass. Ski mat. 2,071,222; Feb. 16.
Associated Electric Laboratories, Inc. (See Bellamy, J. I., and Richardson, assignors.)
Associated Electric Laboratories, Inc. (See Harris, Lionel H., assignor.)
Associated Electric Laboratories, Inc. (See Saunders, Norman H., assignor.)
Associated Electric Laboratories, Inc. (See Voss, J. H., and Crocker, assignors.)
Atkinson, Ralph W., Perth Amboy, N. J., and D. M. Simons, Osborne, Pa., assignors to General Cable Corporation, New York, N. Y. Oil filled cable. 2,071,102; Feb. 16.
Atlantic Refining Company, The. (See Goldsmith, Lester M., assignor.)
Atlantic Refining Company, The. (See Myers, William A., assignor.)
Atlantic Refining Company, The. (See Peterkin, Albert G., Jr., assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Automatic Safety Gate Company. (See Golden, Walter I., assignor.)
Automobile Ventilation, Inc. (See Crowell, William D., assignor.)
Avery, Charles E. (See Hubbell, H., Jr., and Avery.)
Aylwin, Thomas C., Oshawa, Ontario, Canada. Folding shovel. 2,070,555; Feb. 16.
Aymard, Malcolm F. L. A., Hove, England. Current collector mechanism for electrically propelled vehicles. 2,071,223; Feb. 16.
Bach, Emmon. (See de Florez, L., and Bach.)
Backstay Welt Co. (See Bishop, Walter, assignor.)
Badger, Frederick, Point Pleasant, Wandsworth, London, assignor to Magnesium Castings and Products Limited, Slough, Bucks, Great Britain. Casting of magnesium and its alloys. 2,070,821; Feb. 16.
Baer, Henry M. (See Baer, Max, assignor.)
Baer, Max, assignor to H. M. Baer, New York, N. Y. Coloring of bronze powders. 2,071,156; Feb. 16.
Bahan, George F., Charlotte, N. C. Heddle frame. 2,070,556; Feb. 16.
Bahler, William. (See Spencer, W. H., Birdsall, and Bahler.)
Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,071,157; Feb. 16.
Ballantine, Stuart, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Detection. 2,070,640; Feb. 16.

Ballentine, Earle W., assignor to Solar Industries, Inc., Chicago, Ill. Shaded pole induction motor. 2,071,224; Feb. 16.

Bannerman, William E., Toronto, Ontario, Canada. Forming lined pipe ends. 2,070,852; Feb. 16.

Barbiers, Ferdinand S., assignor to The Hocking Glass Company, Lancaster, Ohio. Inkstand and the like. 2,071,276; Feb. 16.

Barclay, John M., Brooklyn, and J. B. Forbes, Mount Vernon, assignors to Alco Products Incorporated, New York, N. Y. Heat exchanger. 2,071,277; Feb. 16.

Barnhart, Andrew J., and R. F. Essert, Placentia, Calif. Flat-tire indicator. 2,070,981; Feb. 16.

Barnhart, George E., Pasadena, Calif. Airplane construction. 2,070,705; Feb. 16.

Barrett Company, The. (See Reeve, Charles S., assignor.)

Bartel, Harry H., assignor to Huck-Gerhardt Company, Inc., Philadelphia, Pa. Hinge structure. 2,070,557; Feb. 16.

Bartels, Henry, Chicago, Ill. Wall cabinet. 2,070,641; Feb. 16.

Barthelemy, René, Fontenay Aux Roses, assignor to Compagnie pour la Fabrication des Compteurs et Material D'Usines a Gaz, Montrouge, (Seine) France. Reception of electric signaling impulses. 2,070,774; Feb. 16.

Bartsch, Herbert E., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Hand brake. 2,071,269; Feb. 16.

Baruch, Sydney N., assignor, by mesne assignments, to Nortron Patents Corp., New York, N. Y. Electronic relay. 2,071,057; Feb. 16.

Bass, Shaller L., assignor to The Dow Chemical Company, Midland, Mich. Aryl phosphoric acid halides. 2,071,017; Feb. 16.

Bastian Brothers Company. (See Mitchel, Charles F., assignor.)

Batchelder, Laurence, Cambridge, assignor to Submarine Signal Company, Boston, Mass. Electric compensator. 2,070,570; Feb. 16.

Beard, Theodore H., and J. E. Renholdt, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Dictating machine. 2,071,278; Feb. 16.

Beardsley, Bruce, Brooklyn, N. Y., and M. Creedon, Westfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Belt conveyer. 2,070,822; Feb. 16.

Bearings Company of America. (See Chambers, David F., assignor.)

Beasley, Milton R., Norwood, assignor to Bird & Son, Inc., East Walpole, Mass. Shingle. 2,070,571; Feb. 16.

Beaton & Cadwell Manufacturing Company, The. (See Work, Ernest W., assignor.)

Beaumont, William M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,070,642; Feb. 16.

Beck, August, Wernigerode, Germany. Refining chocolate masses. 2,070,558; Feb. 16.

Beck, Edward F., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., Circuit interrupter. 2,071,158; Feb. 16.

Becker, Bernard C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,070,643; Feb. 16.

Becker, Joseph A., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical device. 2,070,644; Feb. 16.

Becker, Logan A., Lakewood, and A. A. Spisak, Cleveland, assignors to The Dobeckmun Company, Cleveland, Ohio. Special container and making same. 2,071,018; Feb. 16.

Beckman, Rudolph H. (See Hecht, J. L., and Beckman.)

Bedford, Burnice D. (See Willis, C. H., Bedford, and Elder.)

Beebe, Frederick E., Willowick, Ohio. Refrigerator control. 2,071,019; Feb. 16.

Behr, Harry C. A., and J. J. Eck, assignors to Yorktown Electric Roaster Manufacturing Corporation, York, Pa. Automatic roaster. 2,071,293; Feb. 16.

Bell, Frank B., Pittsburgh, Pa. Mounting for vehicle wheels. 2,070,775; Feb. 16.

Bell Telephone Laboratories, Incorporated. (See Beaumont, William M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Becker, Joseph A., assignor.)

Bell Telephone Laboratories Incorporated. (See Grossman, Alexander J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Johnson, Lewis H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Koechling, Charles D., assignor.)

Bell Telephone Laboratories, Incorporated. (See Llewellyn, Frederick B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Low, Frank K., assignor.)

Bell Telephone Laboratories, Incorporated. (See Landry, Walter R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Meissner, Charles R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Norton, Edward L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Odarenko, Todos M., assignor.)

Bellamy, John L., Brookfield, and R. G. Richardson, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Time signaling system. 2,070,878; Feb. 16.

Bemis Bro. Bag Co. (See Rowe, William W., assignor.)

Bemis, Kenneth E., Oakland, Calif. Drink mixer. 2,070,776; Feb. 16.

Benbow, Burtis W., Benbow, Calif. Gear mechanism. 2,070,777; Feb. 16.

Bendix Aviation Corporation. (See Reichel, Wladimir A., assignor.)

Bendix Aviation Corporation. (See Reichel W. A., Havill, and Ketay, assignors.)

Bendix Brake Company. (See Dodge, A. Y., and McConkey, assignors.)

Bendix Radio Corporation. (See Hyland, Lawrence A., assignor.)

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Lighting construction. 2,071,159; Feb. 16.

Benner, Roland G. (See Henke, C. O., and Benner.)

Bennett, James G. (See Knickerbocker, George S., assignor.)

Bennett, Rowland K. (See Cornell, M. L., and Bennett.)

Benoit, Leon, New York, N. Y., and C. C. Moth, Tenafly, N. J., said Moth assignor to said Benoit. Carton closing machine. 2,071,247; Feb. 16.

Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Duplex electric waffle iron. 2,070,706; Feb. 16.

Bentley Engineering Company Limited, The. (See Wainwright, Carlyle H., assignor.)

Berent, John, Lockport, N. Y. Boiler. 2,070,559; Feb. 16.

Bergstein, Kurt. (See Peböck, R., and Bergstein.)

Bergstein, Milton, New York, assignor to Micamold Radio Corporation, Brooklyn, N. Y. Dry electrolytic condenser. 2,071,103; Feb. 16.

Bergstein, Milton, New York, assignor to Micamold Radio Corporation, Brooklyn, N. Y. Dry electrolytic condenser. 2,071,104; Feb. 16.

Bergwerksverband zur Verwertung von Schutz-rechten der Kohlentechnik G. m. b. H. (See Glund, W., and Klempt, assignors.)

Berlin, Maurice H., assignor to Chicago Musical Instrument Company, Chicago, Ill. Piano accordion. 2,070,853; Feb. 16.

Berry, May W. (See Berry, Walter D., assignor.)

Berry, Walter D., assignor of thirty-three and one-third percent to M. W. Berry, Orangeburg, S. C. Feeding attachment for printing presses. 2,070,572; Feb. 16.

Berthelsen, Erhard U. T., Euclid, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Making printing devices. 2,070,573; Feb. 16.

Bijur, George, executor. (See Bijur, Joseph.)

Bijur, Joseph, deceased, by G. Bijur, executor, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 2,070,574; Feb. 16.

Billing, Noel P., London, England. Carrier for photographic sensitized material. 2,070,778; Feb. 16.

Bird & Son, Inc. (See Beasley, Milton R., assignor.)

Birdsall, Leslie R. (See Spencer, W. H., Birdsall, and Bahler.)

Birr, Herman T., Jr. (See Dunn, R. L., and Birr.)

Bishop, Walter, Detroit, Mich., assignor to Backstay Welt Co. Finish and filler strip. 2,070,645; Feb. 16.

Black-Clawson Company, The. (See Martindale, Homer D., assignor.)

Black, William H., New York, N. Y. Safety razor. 2,071,105; Feb. 16.

Blackhawk Mfg. Co. (See Traut, William A., assignor.)

Blair, Emile, assignor to Winchester Repeating Arms Company, New Haven, Conn. Oil temperature regulator. 2,071,106; Feb. 16.

Blatt, William, Detroit, Mich. Disk brake. 2,071,107; Feb. 16.

Bleasdale, Albert. (See Connor, K. W., Calvert, and Bleasdale.)

Bliss, E. W., Company. (See Kruse, Peter, assignor.)

Blochinger, William, West St. Paul, Minn. Roller skate. 2,070,646; Feb. 16.

Blum, Hosmer L., San Francisco, Calif. Fluid meter. 2,070,879; Feb. 16.

Blum, Hosmer L., Burlingame, Calif. Multiple meter. 2,070,880; Feb. 16.

Blume, Louis F., and S. Minneci, Pittsfield, Mass., assignors to General Electric Company. Automatic regulator control. 2,071,194; Feb. 16.

Bochskandl, Benno, Hamburg, Germany, assignor, by mesne assignments, to International Patents Development Company, Wilmington, Del. Binding agent for photographic emulsions and preparing same. 2,070,575; Feb. 16.

Bochskandl, Benno, Hamburg, Germany, assignor, by mesne assignments, to International Patents Development Company, Wilmington, Del. Manufacture of disintegration products of starch. 2,071,576; Feb. 16.

Bock, Louis H. (See Powers, D. H., and Bock.)

Boeing Aircraft Company. (See Canney, Frank R., assignor.)

Bolling, Frank H., Arcadia, Fla. Support. 2,070,823; Feb. 16.

Boosey, Edward W. N., Detroit, Mich. Floor drain. 2,071,160; Feb. 16.

Borg-Warner Cororation. (See Gamble, David E., assignor.)

Bosworth, Thomas E., Cranston, assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting "oxford". 2,071,058; Feb. 16.

Bottle, Edward K., Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Manifolding device. 2,070,707; Feb. 16.

Boussel, Lucien A., Courbevoie, assignor to Societe Anonyme des Anciens Etablissements Hotchkiss & Cie., Levallois-Perret, Seine, France. Pneumatic recocking device for machine guns. 2,071,020; Feb. 16.

Boutet, René E., Paris, France. Electric calculating machine. 2,070,824; Feb. 16.

Bowen, Charles R., and J. M. Southwell, Los Angeles, Calif., assignors of fifteen percent to H. Scheiner, New York, N. Y. Radio tune-in control device. 2,070,779; Feb. 16.

Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Compensating master cylinder. 2,071,059; Feb. 16.

Bowles, Edward L., Wellesley Farms, Mass. Slide rule. 2,071,195; Feb. 16.

Bowman, Arthur M., and J. I. Bowman, Pittsburgh, Pa., said A. M. Bowman assignor to said J. I. Bowman. Reenforced concrete slab and core therefor. 2,070,577; Feb. 16.

Bowman, James I. (See Bowman, Arthur M. and J. I., assignors.)

Bowman, Reginald G., Gary, Ind., assignor to The Traughber Engineering Co. Apparatus and method for removing particles from gases. 2,070,578; Feb. 16.

Box, Ernest R. (See Powell, A. R., and Box.)

Boyer, Earle G., Philadelphia, Pa., assignor to Hannifin Manufacturing Co., Chicago, Ill. Slotting, perforating, and splining of tubes and the like. 2,070,780; Feb. 16.

Boyes, William H., Brooklyn, N. Y., assignor of one-half to M. Kopita and J. Wasserstein. Air vehicle. 2,070,854; Feb. 16.

Braaten, Arthur M., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal oscillator circuits. 2,070,647; Feb. 16.

Bradley, Erich H., assignor to National Pumps Corporation, Dayton, Ohio. Liquid dispensing apparatus. 2,070,560; Feb. 16.

Brandt, Matthew C., Washington, D. C. Key holder. 2,071,021; Feb. 16.

Branson, Edward H., assignor to General Railway Signal Company, Rochester, N. Y. Light reflecting sign. 2,071,294; Feb. 16.

Brawn, Guy F., South Portland, Maine. Cover construction for containers. 2,070,881; Feb. 16.

Brick, Irving L., New York, N. Y., assignor to P. Sorensen Manufacturing Company, Incorporated. Apparatus for testing ignition coils and condensers. 2,071,279; Feb. 16.

Bridges, Edward G., Anderson, Ind., assignor to Lynch Corporation. Method and apparatus for the manufacture of hollow glass articles. 2,071,295; Feb. 16.

Bridges, Frank R., Needham, assignor to The Gamewell Company, Newton Upper Falls, Mass. Multiple signaling system. 2,071,060; Feb. 16.

Brietzcke, Edmund H. (See Peate, George A., assignor.)

Brogdex Company. (See Trowbridge, Miles L., assignor.)

Brokaw, James I., New York, N. Y. Spark plug. 2,070,708; Feb. 16.

Brooke, Edward B., Birmingham, Ala. Plumber's plug. 2,070,579; Feb. 16.

Brown, Chester W., Milkaukee, assignor to Line Material Company, South Milwaukee, Wis. Lighting fixture. 2,071,108; Feb. 16.

Brown, Clarence B., Fostoria, Ohio. Flare support. 2,070,882; Feb. 16.

Brownsell, William F., Edna, Tex. Bull plug pipe connection. 2,070,855; Feb. 16.

Brunstrum, Lawrence C., Chicago, Ill., and E. W. Adams, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Grease. 2,070,781; Feb. 16.

Budd, Edward G., Manufacturing Co. (See Van Horn, Duane, assignor.)

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Buelna, Guadalupe, assignor of one-half to H. E. J. Vacher, Santa Barbara, Calif. Sprinkler. 2,071,109; Feb. 16.

Buhrow, William, Minneapolis, Minn. Artificial palm. 2,070,825; Feb. 16.

Bull, Cabot S., Hillingdon, assignor to Electric and Musical Industries Limited, Hayes, England. Anode for electron discharge devices. 2,070,968; Feb. 16.

Burger, Emmett E., and A. W. Hull, Schenectady, N. Y., assignor to General Electric Company. Glass-to-metal seal. 2,071,196; Feb. 16.

Burke, James L., Weehawken, N. J. Film pack structure. 2,071,110; Feb. 16.

Burke, Joseph F., Somerville, Mass. Trombone. 2,071,022; Feb. 16.

Burns, Erwin, Los Angeles, and H. P. Wickersham, Huntington Park, Calif. Blow-out preventer. 2,071,197; Feb. 16.

Butterfield, Elmore E., Forest Hills, N. Y. Purification of waters with hydrogen peroxide. 2,070,856; Feb. 16.

Buttigieg, John, Elgin, Ill. Tape measure. 2,071,225; Feb. 16.

Cady, Claude. (See Damberg, A. V., and Cady.)

Cadzow, Robert. (See Dowsett, H. M., Walker, and Cadzow.)

Calkins, Raymond M., Deerfield, and J. W. Swank, Chicago, Ill. Roof construction. 2,070,648; Feb. 16.

Calvert, Glen M. (See Connor, K. W., Calvert, and Bleasdale.)

Calvert, James, Accrington, assignor to Howard and Bullough Limited, Lancashire, England. Weighting mechanism employed in the roller systems of ring spinning, drawing, or speed frames and like textile machines. 2,071,023; Feb. 16.

Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)

Campbell, Frank L., Wilmington, Ill. Pessary. 2,071,248; Feb. 16.

Candee, Raphael R., McKittrick, Calif. Straight bottom dump bailer. 2,070,982; Feb. 16.

Canfield, Jesse J. (See Hayes, A., and Canfield.)

Canney, Frank R., assignor to Boeing Aircraft Company, Seattle, Wash. Airplane engine mount. 2,070,782; Feb. 16.

Cantor, Irvin A., New York, N. Y. Stencil sheet duplicator. 2,071,249; Feb. 16.

Cantor, Jacob J., Los Angeles, Calif. Lamp supporting and cord extension reel. 2,070,061; Feb. 16.

Carmody, William H. (See Thomas, C. A., and Carmody.)

Carothers, Wallace H., Pennsbury Township, Chester County, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Linear condensation polymers. 2,071,250; Feb. 16.

Carothers, Wallace H., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Fiber and producing it. 2,071,251; Feb. 16.

Carothers, Wallace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Linear polyacetal and producing the same. 2,071,252; Feb. 16.

Carothers, Wallace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Linear condensation polymers. 2,071,253; Feb. 16.

Carroll, A. R., et al. (See Carroll, C. F., and Willey, assignors.)

Carroll, Charles F., and A. O. Willey, assignors to A. R. Carroll and J. L. Frantz, Cleveland, Ohio. Gas burning apparatus. 2,070,969; Feb. 16.

Carter, William A., Romford, assignor of three-tenths to D. I. M. Kennard and three-tenths to J. R. Alexander, London, England. Hydraulic absorber. 2,070,709; Feb. 16.

Catto, Albert R. (See Harper, G. W., and Catto.)

Cawood, Clarence A., and L. Johnston, assignors to The Electric Railway Equipment Company, Cincinnati, Ohio. Adjustable hanger adapter. 2,070,883; Feb. 16.

Celanese Corporation of America. (See Dickie, W. A., and Sowter, assignors.)

Celanese Corporation of America. (See Jenett, Henry, assignor.)

Celanese Corporation of America. (See Pool, William, assignor.)

Celanese Corporation of America. (See Sowter, Percy F. C., assignor.)

Chambers, David F., assignor to Bearings Company of America, Lancaster, Pa. Bearing. 2,071,198; Feb. 16.

Chambers, Ersyl F. (See Fay, Joseph W., assignor.)

Chicago Electric Manufacturing Company. (See Benson, Bernhart A., assignor.)

Chicago Flexible Shaft Company. (See Wright, Horace C., assignor.)

Chicago Musical Instrument Company. (See Berlin, Maurice H., assignor.)

Chicago Rawhide Manufacturing Company. (See Agger, Jens, assignor.)

Chicago Rawhide Manufacturing Company. (See McCombs, Stuart C., assignor.)

Chrysler Corporation. (See Woolson, Harry T., assignor.)

Church, Peter R., Steubenville, Ohio, and H. C. Ratean, Weirton, W. Va. Furnace for heating materials under sustained pressure. 2,070,983; Feb. 16.

Cincinnati Milling Machine Company, The. (See Roehm, E. G., and Archea, assignors.)

Cincinnati Milling Machine Company, The. (See Romaine, M., Archea and Roehm, assignors.)

Cincinnati Milling Machine Company, The. (See Sassen, Bernard, assignor.)

Clark, Frederick J., assignor to Steam Pressing Iron Company, Buffalo, N. Y. Steam discharge pressing device. 2,070,710; Feb. 16.

Clark, Percy M., New Brunswick, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structures and preparing. 2,071,024; Feb. 16.

Clarkson, Richard G. (See Downing, F. B., and Clarkson.)

Claus, Walter E., assignor to Sportsman's Equipment Co., Milwaukee, Wis. Draft coupling. 2,070,884; Feb. 16.

Clyde Iron Works. (See McGiffert, J. R., and Huber, assignors.)

Cochran, Charles M., Antioch, Calif. Fire escape. 2,070,580; Feb. 16.

Coffee Products Corporation. (See Wendt, Gerald L., assignor.)

Cohen, Max J. (See Gorsuch, George J., assignor.)
Colbert, Charles C., and L. C. Daly, assignors to American Coating Mills, Elkhart, Ind. Identifiable carton board. 2,071,025; Feb. 16.
Colby, Vincent V., Jemez Springs, N. Mex., assignor to International Register Company, Chicago, Ill.. Cutting machine. 2,070,885; Feb. 16.
Collins, Charles W., Seattle, Wash. Braking system. 2,070,984; Feb. 16.
Columbia Axle Company, The. (See Harper, G. W., and Catto, assignors.)
Combustion Utilities Corporation. (See Johnson, Alfred, assignor.)
Combustion Utilities Corporation. (See Johnson, A., and Hemminger, assignors.)
Compagnie pour la Fabrication des Compteurs et Materiel D'Usines a Gaz. (See Barthelemy, René, assignor.)
Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container and spout construction. 2,070,783; Feb. 16.
Connor, John H., Newton, and M. M. Merritt, Middleton, assignors to The Tanning Process Company, Boston, Mass. Drier for sheet material. 2,071,296; Feb. 16.
Connor, Kirke W., Detroit, G. M. Calvert, Grosse Pointe, and A. Bleasdale, Detroit, Mich., assignors to Micromatic Hone Corporation. Honing tool. 2,070,985; Feb. 16.
Continental Can Company. (See O'Brien, F. J., and Fink, assignor.)
Continental Can Company. (See Schmidt, Charles, assignor.)
Cook, Judson A., Haledon, N. J., assignor to Textile Machine Works, Wyomissing, Pa. Braiding carrier. 2,071,111; Feb. 16.
Coolerator Company, The. (See Arndt, W. F., and Ganzer, assignors.)
Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Bucket and bucket protector. 2,071,112; Feb. 16.
Cornell Iron Works. (See Cornell, M. L., and Bennett, assignors.)
Cornell, Milton L., New York, and R. K. Bennett, Staten Island, assignors to Cornell Iron Works, Inc., Long Island City, N. Y. Overhead acting door. 2,071,161; Feb. 16.
Costa, Anthony P., and J. Costa, Jr., Athens, Ga. Container. 2,070,711; Feb. 16.
Costa, Joseph, Jr. (See Costa, Anthony P., and J.)
Coursen, George L., East Orange, N. J. Adjustable lens mount for cameras. 2,071,061; Feb. 16.
Cox, John R., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Making spring retaining caps. 2,070,784; Feb. 16.
Cox, John R., Lakewood, and A. A. Abramoska, Parma, assignors to Thompson Products, Inc., Cleveland, Ohio. Apparatus for molding pistons. 2,070,649; Feb. 16.
Coyne, William R., and J. C. De Lacy, Minneapolis, Minn. Vacuum producing device. 2,070,562; Feb. 16.
Craighead, Charles M. (See Keller, F., and Craighead.)
Cramer, Cyrill G., Binghamton, N. Y. Spark plug. 2,071,254; Feb. 16.
Creedon, Michael. (See Beardsley, B., and Creedon.)
Crites, Joe, Evanston, assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill. Separator. 2,070,650; Feb. 16.
Crocker, Thomas F. (See Boss, J. H., and Crocker.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Detection of frequency modulated signals. 2,071,113; Feb. 16.
Crosley, Powel, Jr., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Condenser for air conditioning systems. 2,071,026; Feb. 16.
Crosley Radio Corporation, The. (See Crosley, Powel, Jr., assignor.)
Crosman, Loring P., Maplewood, assignor to Gardner Company, Orange, N. J. Register. 2,070,785; Feb. 16.
Crowell, William D., St. Louis, Mo., assignor to Automobile Ventilation, Inc., Detroit, Mich. Ventilating apparatus for vehicle bodies. 2,070,886; Feb. 16.
Crumb, Charles F., and G. Hammer, Chicago, Ill., assignors to International Harvester Company. Elevator roller drive coupling. 2,071,114; Feb. 16.
Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Oil engine. 2,071,062; Feb. 16.
Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Guanidine phosphate fertilizer. 2,070,581; Feb. 16.
Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Making superphosphate. 2,070,582; Feb. 16.
Cusack, Frederick E., Okmulgee, Okla. Shock absorber. 2,070,563; Feb. 16.
Dacus, Edward N., and B. Gallsworthy, Glenham, assignors to The Texas Company, New York, N. Y. Wax polish. 2,071,027; Feb. 16.
Daimler Benz Aktiengesellschaft. (See Thomas, Kurt, assignor.)
Daimler Benz Aktiengesellschaft. (See Wagner, Max, assignor.)
Dalley, Richard A., assignor to "Dalnat" Rotary Windscreen Company Limited, Auckland, New Zealand. Wind screen. 2,071,255; Feb. 16.
"Dalnat" Rotary Windscreen Company Limited. (See Dalley, Richard A., assignor.)
Daly, Lloyd C. (See Colbert, C. C., and Daly.)
Damberg, Alfred V., Bridgeport, and C. Cady, Fairfield, Conn., assignors, by mesne assignments, to D. M. Jones, Troy, N. Y. Founding device. 2,070,564; Feb. 16.
Darley, W. S., & Co. (See Yates, De Witt E., assignor.)
Darling, L. A., Company. (See Elmer, Francis E., assignor.)
Davis, George G., Eugene, Oreg. Cleaning and polishing device. 2,070,712; Feb. 16.
Davis, George W., and W. C. Davis, Richmond, Ind. Lawn mower. 2,071,162; Feb. 16.
Davis, Myron J., Detroit, Mich. Light equipped vanity case. 2,070,857; Feb. 16.
Davis, Walter C. (See Davis, George W., and W. C.)
De Florez, Luis, Pomfret, Conn., and E. Bach, New York, N. Y., said Bach assignor to said de Florez. Combined throttle and brake control for airplanes. 2,071,063; Feb. 16.
De Lacy, Joseph C. (See Coyne, W. R., and De Lacy.)
Delamere and Williams Limited. (See Williams, Victor G., assignor.)
De Laval Separator Company, The. (See Svensjö, Nils E., assignor.)
Dellinger, Martin C., assignor to K-D Manufacturing Company, Lancaster, Pa. Thermostatic socket, holder, or coupling. 2,071,270; Feb. 16.
De Los Rios, Charles, West Hartford, Conn. Dynamo and drive therefor. 2,070,843; Feb. 16.
Denman, Louise W. (See Harlow, Jesse H., assignor.)
Derman, Harry, Laurelton, Long Island, N. Y. Wardrobe, cabinet, and the like. 2,070,924; Feb. 16.
Des Jardins, Leonard A., Niles Center, and F. R. Fleming, Chicago, Ill. Apparatus for disinfecting shoes and the like. 2,070,858; Feb. 16.
Detroit Lubricator Company. (See Scott, Lewis L., assignor.)
Deutsche Gold- und Silber Scheideanstalt. (See von Szeszich, Lajos, assignor.)
Developments Associates, Inc. (See Strindberg, Richard, assignor.)
De Vilbiss Company, The. (See Tracy, Robert W., assignor.)
Dick, Herman J., Jr., Shamokin, Pa. Dish rack. 2,070,826; Feb. 16.
Dickie, William A., and P. F. C. Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textiles containing cellulose derivatives. 2,070,583; Feb. 16.
Dickinson, Edgar D., Beverly, F. R. Ericson, Marblehead, and P. G. Whittier, Lynn, Mass., assignors to General Electric Company. Extraction elastic fluid turbine arrangement. 2,071,199; Feb. 16.
Dictaphone Corporation. (See Beard, T. H., and Renholdt, assignors.)
Dintilhac, Jean G., assignor to Society "Yacco" S. A. F., Paris, France. Air cooled engine. 2,070,565; Feb. 16.
Ditto, Incorporated. (See Marchev, A., Hernlund, and McCain, assignors.)
Dobbs, Eugene M., Mason, assignor of one-eighth to L. Miller, Brownwood, Tex. Air pressure indicator for tires. 2,071,256; Feb. 16.
Dobbs, James K., assignor of one-half to D. E. McCord, Atlanta, Ga. Self cutting wire connection. 2,070,566; Feb. 16.
Dobeckmun Company, The. (See Becker, L. A., and Spisak, assignors.)
Dodd, John S., Werneth Park, Oldham, assignor to Samuel Dodd & Sons Limited, Oldham, England. Tape drive for the spindles of spinning and doubling frames. 2,070,713; Feb. 16.
Dodd, Samuel, & Sons Limited. (See Dodd, John S., assignor.)
Dodge, Adiel Y., and M. W. McConkey, assignors to Bendix Brake Company, South Bend, Ind. Brake. 2,071,297; Feb. 16.
Donaldson, Edward J. (See Leemhuis, Johannes C. P., assignor.)
Don Howe, Alonzo H., Chicago, Ill. Radiant cell gas burner. 2,070,859; Feb. 16.
Douglas Aircraft Company. (See Root, Leonard E., assignor.)
Douglas, Kenneth F., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starting system. 2,071,028; Feb. 16.
Dow Chemical Company, The. (See Bass, Shailer L., assignor.)
Downing, Frederick B., Carney's Point, N. J., and R. G. Clarkson, assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Stabilization of motor fuels. 2,071,064; Feb. 16.
Dowsett, Harry M., and L. E. Q. Walker, London, and R. Cadzow, Argyllshire, England, assignors to Electric and Musical Industries, Limited. Wireless direction finding system. 2,070,651; Feb. 16.
Drake, Alden M., West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y. Rotary spindle mounting. 2,071,200; Feb. 16.
Dravo Contracting Company, The. (See Kefsting, Bernard H., assignor.)

Draycott, Charles E., assignor to W. T. Nicholson & Clipper Co. Ltd., Salford, England. Belt-fastener clinching apparatus. 2,071,029; Feb. 16.
Dreyfus, Camille, New York, N. Y. Insulated material and making the same. 2,070,714; Feb. 16.
Dreyfus, Henry, London, England. Production and treatment of artificial filaments, threads, ribbons, and the like. 2,070,584; Feb. 16.
Dreyfus, Henry, London, England. Manufacture of cellulose from ligno-cellulosic products. 2,070,585; Feb. 16.
Dreyfus, Henry, London, England. Treatment of threads and the like with liquids. 2,070,715; Feb. 16.
Dreyfus, Henry, London, England. Treatment of artificial fibrous materials. 2,070,716; Feb. 16.
Drobinsky, Miguel. (See Holden, C. R., and Drobinsky.)
Duchan, Bohumil, Braidwood, Ill. Visitor's register for graves. 2,070,940; Feb. 16.
Duffy, Robert T., Boston, Mass. Ruling machine. 2,070,860; Feb. 16.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Hinge construction for eyeglass cases and the like. 2,070,827; Feb. 16.
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Shoe. 2,071,298; Feb. 16.
Duncan, Georgia H. (See Jones, Robert D., assignor.)
Dunn, Ritchie L., Jr., Piedmont, and H. T. Birr, Jr., Oakland, Calif. Structural toy. 2,070,887; Feb. 16.
Du Pont, E. I., de Nemours & Company. (See Amend, William J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Clark, Percy M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Benner, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hulse, Robert E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Levine, Arthur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Muskat, Irving E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reichert, J. S., and Sparks.)
Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
Durafer (Inc.) (See Sargent, William D., assignor.)
Durr, Andrew, Chicago, Ill. Coping. 2,071,226; Feb. 16.
Dust, Adolph C., St. Louis, Mo. Window operating mechanism. 2,070,941; Feb. 16.
Earl, Arthur J. (See Engard, F. M., and Earl.)
Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)
Eastman Kodak Company. (See Kenyon, W. O., and Van Dyke, assignors.)
Eck, Jules J. (See Behr, H. C. A., and Eck, assignors.)
Eclipse Machine Company. (See Douglas, Kenneth F., assignor.)
Eclipse Machine Company. (See Maurer, Paul H., assignor.)
Eclipse Machine Company. (See McGrath, William L., assignor.)
Edenquist, Gunnar. (See Sander, C. P., Righter, and Edenquist.)
Edwards, William C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Electrical switch. 2,070,717; Feb. 16.
Edwards, William F. (See Ellis, C. A., and Edwards.)
Ehrlich, Louis B., assignor to The Electric Autolite Company, Toledo, Ohio. Dynamo-electric machine frame. 2,070,718; Feb. 16.
Elsin, Stanley J., Chicago, Ill. Pneumatic spring. 2,070,719; Feb. 16.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making vehicle wheels. 2,071,280; Feb. 16.
Elder, Frank R. (See Willis, C. H., Bedford, and Elder.)
Electric and Musical Industries Limited. (See Bull, Cabot S., assignor.)
Electric and Musical Industries Limited. (See Dowsett, H. M., Walker, and Cadzow, assignors.)
Electric Auto-lite Company, The. (See Ehrlich, Louis B., assignor.)
Electric Garages, Inc. (See Kent, Milton A., assignor.)
Electric Railway Equipment Company, The. (See Cawood, C. A., and Johnston, assignors.)
Electrolux Corporation. (See Karlström, Fredrik J. R., assignor.)
Electrons, Inc. (See von Wedel, Carl J. R. H., assignor.)
Elliott Company. (See McDermet, John R., assignor.)
Ellis, Clifford A., Ridgefield, N. J., and W. F. Edwards, Warren, Ohio, assignors to The Warren City Tank & Boiler Company, Warren, Ohio. Floating deck for tanks. 2,070,828; Feb. 16.
Elmer, Francis E., assignor to L. A. Darling Company, Bronson, Mich. Display card holder. 2,070,652; Feb. 16.
Emerson Electric Mfg. Co., The. (See Weber, Victor, assignor.)
Emmey, Charles, New York, N. Y. Multicoloring a fabric. 2,071,163; Feb. 16.
Emsco Derrick & Equipment Company. (See Tremolada, Guglielmo, assignor.)
Engard, Frank M. and A. J. Earl, Des Moines, Iowa. Fire extinguisher. 2,070,942; Feb. 16.
Engblom, Eric L., Brooklyn, N. Y. Box packing device for freight cars. 2,070,970; Feb. 16.
Ericson, Franklin R. (See Dickinson, E. D., Ericson, and Whittier.)
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Hydraulic press operating circuits and valves therefor. 2,070,720; Feb. 16.
Eschenbacher, Hermann, Ridgewood, and P. J. Kircher, Brooklyn, assignors to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Scale beam structure. 2,070,786; Feb. 16.
Eschenbrenner, Hector, Columbus, Ohio. Lined concrete pipe. 2,070,888; Feb. 16.
Essert, Ralph F. (See Barnhart, A. J., and Essert.)
Esterow, Leo. (See Klein, Calvin W., Esterow, and A. Klein.)
Everett, William D., Watertown, I. F. Starner, and F. F. Olson, Belmont, assignors to Hood Rubber Company, Inc., Watertown, Mass. Making soles. 2,071,065; Feb. 16.
Everly, William L., Akron, Ohio. Cheese-protecting device. 2,070,829; Feb. 16.
Fairchild Aerial Camera Corporation. (See Gaty, John P., assignor.)
Fanto, Emil C. (See Omohundro, A. L., and Fanto.)
Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Audio frequency transmission circuit. 2,070,971; Feb. 16.
Farrel-Birmingham Company. (See Smith, Alexander, assignor.)
Farrington Manufacturing Company. (See Dugdale, Richard M., assignor.)
Fay, Joseph W., Villa Park, assignor of one-half to E. F. Chambless, Chicago, Ill. Metal container. 2,071,030; Feb. 16.
Fearon, Harold. (See Nash, Richard L., assignor.)
Feight, Charles D., Glassport, Pa. Catapult. 2,070,721; Feb. 16.
Fibreboard Products, Inc. (See Anderson, Nels A., assignor.)
Fibreboard Products, Inc. (See Ford, G. F., and Pittman, assignors.)
Finch, James L. (See Young, L. L., and Finch.)
Finch, William G. H., New York, N. Y. Portable telecommunications system. 2,071,227; Feb. 16.
Fingerhooth, Dale A. (See Harsch, C. A., and Fingerhooth.)
Fink, Henry A. (See O'Brien, F. J., and Fink.)
Finke, Herman A., St. Louis, Mo. Garage door. 2,070,722; Feb. 16.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Freight container. 2,070,586; Feb. 16.
Fitz, Wilhelm, Essen, Germany, assignor, by mesne assignments, to Koppers Company. Coking retort oven for low or medium temperature coking. 2,070,587; Feb. 16.
Fleischer, Paul W., Weehawken, assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine for handling sheets of material, labels, and the like. 2,071,115; Feb. 16.
Fleming, Fred R. (See Des Jardins, L. A., and Fleming.)
Flexrite Sales Company. (See Searles, Wayne S., assignor.)
Florsheim Shoe Company, The. (See White, John J., assignor.)
Forbes, James B. (See Barclay, J. M., and Forbes.)
Ford, George F., Beverly Hills, and W. F. Pittman, Huntington Park, assignors to Fibreboard Products Inc., San Francisco, Calif. Method and apparatus for making fillers. 2,070,723; Feb. 16.
Foss, Benjamin S., Brookline, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Vacuum cleaner. 2,070,986; Feb. 16.
Frantz, J. L., et al. (See Carroll, C. F., and Willey, assignors.)
Franz, Charles H. Jr., Wauwatosa, assignor to The Heinn Co., Milwaukee, Wis. Embossed printed sheet and making the same. 2,071,031; Feb. 16.
Frech, Theodore W., Shaker Heights, Ohio, assignor to General Electric Company. Workshop unit. 2,071,201; Feb. 16.
French, Charles A., Riverside, Ill., assignor to International Harvester Company. Charge forming device for internal combustion engines. 2,071,116; Feb. 16.
French & Hecht, Incorporated. (See Hecht, J. L., and Beckman, assignors.)
Frickey, Royal E., assignor to Welding Service, Inc., San Francisco, Calif. Rail joint and method. 2,070,890; Feb. 16.
Frickey, Royal E., San Francisco, and A. S. Kalenborn, Redwood City, assignors to Welding Service, Inc., San Francisco, Calif. Rail treatment method. 2,070,889; Feb. 16.
Frickle, James H., San Francisco, Calif. Fluid regulator. 2,070,724; Feb. 16.
Frink Corporation, The. (See Spencer, W. H. Birdsall, and Bahler, assignors.)

Frizzell, Arch. (See Scott, G. W., and Frizzell.)
Frocht, Max M., Pittsburgh, Pa. Display method and apparatus. 2,070,787; Feb. 16.
Frost, Russell E., Oakland, Calif. Electrical switch. 2,070,891; Feb. 16.
Fuller, Charles W. (See Rolfs, E. L., and Fuller.)
Gagnier, George E. (See Place, Blon C., assignor.)
Gail, George W., Ruxton, Md. Sealing strip. 2,070,725; Feb. 16.
Gallsworthy, Benjamin. (See Dacus, E. N., and Gallsworthy.)
Galvao, Joseph A. C., Orange, N. J. Electrical connecter. 2,071,164; Feb. 16.
Gamble, David E., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Making weights for centrifugal clutches. 2,070,892; Feb. 16.
Gamewell Company, The. (See Bridges, Frank R., assignor.)
Gammeter, John R., Akron, Ohio. Joint for roadways. 2,071,299; Feb. 16.
Gammeter, John R., assignor of one-half to S. G. Gammeter, Akron, Ohio. Preserving perishable food products. 2,071,300; Feb. 16.
Gammeter, Susan G. (See Gammeter, John R., assignor.)
Ganzer, John H. (See Arndt, W. F., and Ganzer.)
Garbsch, Paul. (See Krzikalla, H., and Garbsch.)
Gardner Company. (See Crosman, Loring P., assignor.)
Gasoline Antioxidant Company. (See Downing, F. B., and Clarkson, assignors.)
Gaty, John P., Woodside, assignor to Fairchild Aerial Camera Corporation, Woodside, N. Y. Gun sight. 2,071,066; Feb. 16.
Gaukler, Francis O. (See Asam, Frank H., assignor.)
Gehret, Charles A., East Norriton Township, Montgomery County, Pa. Collapsible shipping box. 2,071,228; Feb. 16.
Geisse, John H., Madison, Wis. Engine. 2,070,588; Feb. 16.
General American Tank Car Corporation. (See Pierce, Raymond C., assignor.)
General Aniline Works, Inc. (See Krauss, C., and Pommer, assignors.)
General Aniline Works, Inc. (See Krzikalla, H., and Garbsch, assignors.)
General Cable Corporation. (See Atkinson, R. W., and Simons, assignors.)
General Electric Company. (See Blume, L. F., and Minneci, assignors.)
General Electric Company. (See Burger, E. E., and Hull, assignors.)
General Electric Company. (See Dickinson, E. D., Ericson, and Whittier, assignors.)
General Electric Company. (See Frech, Theodore W., assignor.)
General Electric Company. (See Goff, Robert W., assignor.)
General Electric Company. (See Owen, William E., assignor.)
General Electric Company. (See Pollok, Othmar, assignor.)
General Electric Company. (See Puffer, Samuel R., assignor.)
General Electric Company. (See Roessler, Edward W., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Stewart, C. E., and Johnston, assignors.)
General Electric Company. (See Thumin, Carl, assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric Company. (See Watts, Noble H., assignor.)
General Electric Company. (See Willis, Clodius H., assignor.)
General Electric Company. (See Willis, C. H., Bedford, and Elder, assignors.)
General Electric Company. (See Wotring, Gaylord H., assignor.)
General Electric Company. (See Younts, Glen L., assignor.)
General Motors Corporation. (See Edwards, William C., assignor.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Motors Corporation. (See Stephenson, James R., assignor.)
General Railway Signal Company. (See Branson, Edward H., assignor.)
Genovar, William P., Jr., Poughkeepsie, N. Y. Combination gas range and water heater. 2,070,987; Feb. 16.
Gensburg, Myer, Chicago, Ill. Amusement apparatus. 2,071,117; Feb. 16.
George, Edward B., assignor of one-half to J. F. Greenebaum, Chicago, Ill. Body and fender straightening tool. 2,071,281; Feb. 16.
Getman, Sanford J. (See O'Shea, Francis B., assignor.)
Giacchino, Aldo, et al., heirs. (See Giacchino, Ezio.)
Giacchino, Ezio, deceased, by F. T. R. Giacchino, A. Giacchino, and E. Giacchino, Jr., sole heirs, assignors to Société Anonyme Forgeage Electrique Giacchino, Brussels, Belgium, Forging hollow metal blanks. 2,070,589; Feb. 16.
Giacchino, Ezio, Jr., et al., heirs. (See Giacchino, Ezio.)
Giacchino, Francisca T. R., et al., heirs. (See Giacchino, Ezio.)
Gibbs, John C., Brooklyn, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Assembling machine and method. 2,070,653; Feb. 16.
Gibbs, Robert A., Jr., Greensboro, and S. W. McDowell, High Point, N. C. Double sole attachment for knitting machines. 2,070,654; Feb. 16.
Gillberg, Johannes, Stockholm, Sweden. Framework arrangement. 2,070,655; Feb. 16.
Gillies, William R., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Waterproof insulating material. 2,070,861; Feb. 16.
Girard, Paul, Lyon, France. Regulatable fuse for projectiles. 2,070,788; Feb. 16.
Gizzarelli, Nickolas, Warren, R. I. Plug connecter. 2,071,067; Feb. 16.
Glass, Hugh B., Birmingham, Ala. Improving the color of wood pulp. 2,070,893; Feb. 16.
Glines, Frederick S., Lynn, assignor to The Peerless Machinery Company, Boston, Mass. Shoe machine. 2,071,068; Feb. 16.
Gluud, Wilhelm, and W. Klempt, assignors to Bergwerksverband zur Verwertung von Schutz-rechten der Kohlentechnik G. m. b. H., Dortmund-Eving, Germany. Separating amino-acids readily soluble in water and ammonium sulphate. 2,071,282; Feb. 16.
Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Definite time relay. 2,071,202; Feb. 16.
Golden, Walter I., assignor to Automatic Safety Gate Company, Columbus, Ind. Gate operating means. 2,070,789; Feb. 16.
Goldsmith, Lester M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Electrical control. 2,070,590; Feb. 16.
Gollwitzer, Walter T., Euclid, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Address plate. 2,070,591; Feb. 16.
Gollwitzer, Walter T., assignor, by mesne assignments, to Addressograph Multigraph Corporation, Cleveland, Ohio. Printing plate. 2,070,592; Feb. 16.
Gollwitzer, Walter T., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Preparing printing members for use. 2,070,593; Feb. 16.
Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
Goodrich, B. F., Company, The. (See Semon, W. L., and Yohe, assignors.)
Goodrich, B. F., Company, The. (See Sternad, Frank S., assignor.)
Gorsuch, George J., Rochester, assignor of one-half to M. J. Cohen, Irondequoit, N. Y. Grate. 2,070,894; Feb. 16.
Graham, William S., Canton, Ill., assignor to International Harvester Company. Cultivator attachment for tractors. 2,071,118; Feb. 16.
Grant, Harry C., Jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. Supervisory circuit. 2,071,283; Feb. 16.
Gravely, Benjamin F., Dunbar, W. Va. Rotary plow. 2,070,830; Feb. 16.
Gray, Edward, assignor of one-half to G. Wood, Detroit, Mich. Electric locomotive. 2,070,895; Feb. 16.
Great Western Electro-Chemical Company. (See Hirschkind, Wilhelm, assignor.)
Green, Samuel, Trenton, N. J. Trellis. 2,070,988; Feb. 16.
Greene, Edgeworth, Upper Montclair, N. J. Bottle stopper. 2,070,594; Feb. 16.
Greenebaum, J. F. (See George, Edward B., assignor.)
Grinnell, Albert A., assignor to Whedon, Inc., Medina, N. Y. Seat lifting mechanism. 2,071,032; Feb. 16.
Groll, Herbert P. A., Oakland, and G. Hearne, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treatment of halogenated polyhydric alcohols. 2,070,990; Feb. 16.
Grossman, Alexander J., Mineola, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency-selective transmission circuit. 2,070,656; Feb. 16.
Grundon, George F., Middletown, Pa. Smoking tube. 2,070,831; Feb. 16.
Haas, Irving. (See Zuckerman, Milton, assignor.)
Hafner, Raoul. (See Rutherford, W. V. D'A., Hafner, and Nagler.)
Hafner, Raoul, Vienna, Austria. Rotative wing aircraft. 2,070,657; Feb. 16.
Halder, Michael R., Los Angeles, Calif. Sole and heel for footwear. 2,070,595; Feb. 16.
Hall, Horace W., Newton, Mass. Racket. 2,070,896; Feb. 16.
Hall, Peter P-G. (See Hall, William P-G. and P. P-G.)
Hall, Peter P-G., assignor to The Hall Planetary Company, Philadelphia, Pa. Centering and compensating chuck. 2,070,897; Feb. 16.
Hall Planetary Company, The. (See Hall, Peter P-G., assignor.)
Hall Planetary Company, The. (See Hall, William P-G. and P. P-G., assignors.)
Hall, William P-G. and P. P-G., assignors to The Hall Planetary Company, Philadelphia, Pa. Centering and compensating chuck. 2,070,898; Feb. 16.

Hallbauer, Dankmar, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for finishing seams. 2,070,726; Feb. 16.
Hamann, Friedrich A., Velp, Netherlands. Elastic pad for springless hernia bandages. 2,070,727; Feb. 16.
Hamer, Leland S., assignor to Hamer Oil Tool Company, Long Beach, Calif. Valve. 2,070,899; Feb. 16.
Hamer Oil Tool Company. (See Hamer, Leland S., assignor.)
Hammer, Gustaf. (See Crumb, C. F., and Hammer.)
Hammes, Frederic J., Erlton, N. J., assignor to Magnetic Motors, Inc. Magnetic induction motor. 2,070,790; Feb. 16.
Hanft, Hugo H., St. Paul, Minn. Portable humidifier. 2,070,728; Feb. 16.
Hanna, Samuel O., Jamestown, N. Y. Device to prevent buckling of sheet metal during grinding or polishing. 2,071,033; Feb. 16.
Hanna, Samuel O., Jamestown, N. Y. Device to prevent buckling of sheet metal during grinding or polishing. 2,071,034; Feb. 16.
Hannifin Manufacturing Co. (See Boyer, Earle G., assignor.)
Hannifin Manufacturing Co. (See Peterson, Victor W., assignor.)
Hansen, Donald W., Decatur, Ill., assignor, by mesne assignments, to Protamine Products Incorporated, Dover, Del. Manufacture of laminated films. 2,070,596; Feb. 16.
Hansen, Fred, New York, N. Y. Folding clothes hook. 2,071,257; Feb. 16.
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harger, John, Liverpool, England. Process and apparatus for treating furnace gases and exhaust gases from internal combustion engines. 2,071,119; Feb. 16.
Harlow, Jesse H., Chicago, assignor of one-half to L. W. Denman, Wilmette, Ill. Magnifying and viewing device. 2,071,120; Feb. 16.
Harlow, Jesse H., Chicago, assignor of one-half to L. W. Denman, Wilmette, Ill. Picture viewing apparatus. 2,071,121; Feb. 16.
Harman, Harold W. (See Stearns, R. H., and Harman.)
Harnly, W. F. (See Swickard, Arthur R., assignor.)
Harold, Charles F., Winchester, Va. Ice making machine. 2,070,943; Feb. 16.
Harper, George W., and A. R. Catto, assignors to The Columbia Axle Company, Cleveland, Ohio. Axle drive transmission. 2,071,165; Feb. 16.
Harris, Lionel H., London, England, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Thermionic relay circuit. 2,070,900; Feb. 16.
Harsch, Chester A., and D. A. Fingerhooth, Portland, Oreg. Apparatus for cooling and freezing food products. 2,070,729; Feb. 16.
Hartenstein, Herman L., Chicago, Ill. Manufacture of fertilizer. 2,070,658; Feb. 16.
Hass, Henry B., West Lafayette, and E. B. Hodge, Terre Haute, assignors to Purdue Research Foundation, West Lafayette, Ind. Nitrating ethane. 2,071,122; Feb. 16.
Hatch, Meredith R. (See Rode, F. J., Hatch, and Schloz.)
Havill, Clinton H. (See Reichel, W. A., Havill, and Ketay.)
Haydock, James, Jr., Blackburn, J. Haythorn, and C. Shorrock, Preston, England. Rotary blower and the like. 2,071,258; Feb. 16.
Hayes, Anson, and J. J. Canfield, assignors to The American Rolling Mill Company, Middletown, Ohio. Deoxidation control. 2,070,901; Feb. 16.
Haythorn, John. (See Haydock, J., Jr., Haythorn, and Shorrock.)
Healy, Clifford S., Chicago, Ill. Apparatus for testing the viscosity of liquids. 2,070,862; Feb. 16.
Hearne, George. (See Groll, H. P. A., and Hearne.)
Hecht, Joseph L., and R. H. Beckman, Davenport, Iowa, assignors to French & Hecht, Incorporated. Wheel structure. 2,071,259; Feb. 16.
Heinn Co., The. (See Franz, Charles H., Jr., assignor.)
Heltman, Herbert, Rego Park, Long Island, N. Y. Furnace construction. 2,071,069; Feb. 16.
Hellström, Axel W., Eskilstuna, Sweden. Producing teeth on files or the like. 2,070,730; Feb. 16.
Hemminger, Charles E. (See Johnson, A., and Hemminger.)
Henke, Clyde O., Wilmington, Del., and R. G. Benner, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing alcohols. 2,070,597; Feb. 16.
Henning, Hans-Joachim, assignor to R. Knote, Leipzig, Germany. Device for measuring the elastic properties of materials. 2,070,731; Feb. 16.
Heppes, Otto A., LaGrange, Ill., and L. Kirschbraun, assignors to The Patent and Licensing Corporation, New York, N. Y. Roofing or like element. 2,071,229; Feb. 16.
Hercules Powder Company. (See Lorand, Eugene J., assignor.)
Hernlund, John W. (See Marchev, A., Hernlund, and McCain.)
Herold, Paul, and K. Smeykal, Louna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of methylamines. 2,071,301; Feb. 16.
Hettrick Manufacturing Company, The. (See Posey, John P., assignor.)
Hewitson, Joseph, Kalispell, Mont. Pressure feed carburetor. 2,070,598; Feb. 16.
Higham, William W., assignor to Universal Cooler Corporation, Detroit, Mich. Compressor valve. 2,070,659; Feb. 16.
Hill, Reuben, Detroit, Mich., assignor to A. J. Smith, Richmond Hill, N. Y. Solid carbon dioxide cake forming machine. 2,071,302; Feb. 16.
Hill, Reuben, Detroit, Mich., assignor to A. J. Smith, Richmond Hill, N. Y. Means for dry icing. 2,071,303; Feb. 16.
Hillix, Foster F., Lakewood, assignor, by mesne assignments, to The American Steel and Wire Company, Cleveland, Ohio. Method and apparatus for finishing surfaces. 2,070,944; Feb. 16.
Hinman, Chauncy W., assignor to L. E. Pennish, Chicago, Ill. Machine for making fastener strips. 2,070,902; Feb. 16.
Hirschkind, Wilhelm, Berkeley, Calif., assignor to Great Western Electro-Chemical Company. Manufacture of products of ground wood pulp. 2,071,304; Feb. 16.
Hirschkind, Wilhelm, Berkeley, Calif., assignor to Great Western Electro-Chemical Company. Bleaching. 2,071,305; Feb. 16.
Hirschkind, Wilhelm, Berkeley, Calif., assignor to Great Western Electro-Chemical Company. Bleaching. 2,071,306; Feb. 16.
Hirschkind, Wilhelm, Berkeley, Calif., assignor to Great Western Electro-Chemical Company. Bleaching. 2,071,307; Feb. 16.
Hirschkind, Wilhelm, Berkeley, Calif., assignor to Great Western Electro-Chemical Company. Bleaching chemical pulp. 2,071,308; Feb. 16.
Hirschkind, Wilhelm, Berkeley, Calif., assignor to Great Western Electro-Chemical Company. Bleaching chemical pulp. 2,071,309; Feb. 16.
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hocking Glass Company, The. (See Barbiers, Ferdinand S., assignor.)
Hodge, Edward B. (See Hass, H. B., and Hodge.)
Hodges Carpet Company. (See La France, Horace, assignor.)
Hoe, R., & Co., Inc. (See Lougee, Frederick G., assignor.)
Holden, Charles R., Chicago, Ill. Apparatus for the separation of solids in liquid suspension. 2,071,260; Feb. 16.
Holden, Charles R., and M. Drobinsky, Chicago, Ill., said Drobinsky assignor to said Holden. Separator. 2,071,261; Feb. 16.
Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Radio receiving system. 2,070,732; Feb. 16.
Hood Rubber Company. (See Everett, W. D., Starner, and Olson, assignors.)
Hoover Company, The. (See Becker, Bernard C., assignor.)
Hoover Company, The. (See Pierce, Frank L., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Horn, Emil F., Long Island City, N. Y. Pinking attachment. 2,071,230; Feb. 16.
Horst, Jay F., Seattle, Wash. Sheet feed control mechanism. 2,070,903; Feb. 16.
Horst, Tallmon E., Chicago, Ill. Hinge. 2,071,070; Feb. 16.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,071,310; Feb. 16.
Houchin, Lowell L., Columbus, Ohio. Lens grinding and polishing machine. 2,070,733; Feb. 16.
Howard and Bullough Limited. (See Calvert, James, assignor.)
Hubbard, Henry E., Chicago, Ill. Fluid pump. 2,070,791; Feb. 16.
Hubbell, Harvey, Jr., and C. E. Avery, assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn. Heater switch. 2,070,599; Feb. 16.
Hubbell, Harvey, Incorporated. (See Hubbell, H., Jr., and Avery, assignor.)
Hubbs, Henry E., assignor to The Shelby Spring Hinge Co., Shelby, Ohio. Door stay construction. 2,071,203; Feb. 16.
Hubelmeyer, Edward J., assignor to J & H Machine Works, Little Ferry, N. J. Machine for cutting, folding, and stacking labels. 2,071,123; Feb. 16.
Huber, Norman. (See McGiffert, J. R., and Huber.)
Huck-Gerhardt Company. (See Bartel, Harry H., assignor.)
Huffman, Edward, Mount Summit, Ind. Pipe cutter. 2,071,166; Feb. 16.
Hughes, Ralph C., assignor to Reynolds Gas Regulator Co., Anderson, Ind. Pressure regulating valve. 2,070,660; Feb. 16.
Hughes, Ralph C., assignor to Reynolds Gas Regulator Co., Anderson, Ind. Spring-toggle action shut-off valve. 2,070,661; Feb. 16.
Hull, Albert W. (See Burger, E. E., and Hull.)
Hulse, Robert E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal recovery process. 2,071,124; Feb. 16.
Hund, Walter J., Oakland, and L. Rosenstein, assignors to Shell Development Company, San Francisco, Calif. Production of acid amides. 2,070,991; Feb. 16.

Hunt, Nathan C., Salem, Ohio. Valve. 2,071,204; Feb. 16.
Hunt, Rodney, Machine Company. (See Simonds, Warren J., assignor.)
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydraulic Press Corporation, Inc., The. (See Ernst, Walter, assignor.)
Hyland, Lawrence A., Washington, D. C., assignor, by mesne assignments, to Bendix Radio Corporation, New York, N. Y. Indicating device. 2,071,284; Feb. 16.
I. G. Farbenindustrie Aktiengesellschaft. (See Herold, P., and Smeykal, assignors.)
Ide, Charles E. (See Weisberg, H. J., and Ide.)
Illingworth Carbonization Company Limited, The. (See Illingworth, Stewart R., assignor.)
Illingworth, Stewart R., Fernwood, Radyr, Wales, assignor to The Illingworth Carbonization Company Limited, Manchester, England. Apparatus for the carbonization or heat treatment of solid materials. 2,071,071; Feb. 16.
International Harvester Company. (See Crumb, C. F., and Hammer, assignors.)
International Harvester Company. (See French, Charles A., assignor.)
International Harvester Company. (See Graham, William S., assignor.)
International Patents Development Company. (See Bochskandl, Benno, assignor.)
International Register Company. (See Colby, Vincent V., assignor.)
Inter-Ocean Telephone Corporation. (See Varley, Richard, assignor.)
J & H Machine Works. (See Hubelmeyer, Edward J., assignor.)
Jackson, Edward Q., et al. (See Salvoni, Ippolito, assignor.)
Jacobs Bros. Co., The. (See Eschenbacher, H., and Kircher, assignors.)
Jamieson, Harry D., Los Angeles, Calif. Mechanism for reconditioning tennis balls. 2,070,989; Feb. 16.
Jaques, Ernest G., San Francisco, Calif. Hacksaw support and guide. 2,070,735; Feb. 16.
Jehle, Ferdinand, assignor to The White Motor Company, Cleveland, Ohio. Internal combustion engine. 2,071,125; Feb. 16.
Jenett, Henry, Englewood, N. J., assignor to Celanese Corporation of America. Coating. 2,070,600; Feb. 16.
Jenett, Henry, Cumberland, Md., assignor to Celanese Corporation of America. Method and device for coating textile material. 2,071,035; Feb. 16.
Jennings, Chester S. (See Perry, H. R., and Jennings.)
Jennings, Ernest E., Berkeley, assignor to Rheem Manufacturing Company, Richmond, Calif. Ball connection. 2,071,126; Feb. 16.
Jennings, Harold W., Berkeley, Calif. Gun rack. 2,070,904; Feb. 16.
Jessop, George A., and T. Norbom, assignors to S. Morgan Smith Company, York, Pa. Hydraulic machine. 2,070,601; Feb. 16.
Johns-Manville Corporation. (See Rolfs, E. L., and Fuller, assignors.)
Johns-Manville Corporation. (See Shipway, G. E., and Steuber, assignors.)
Johnson, Alfred, West New Brighton, assignor to Combustion Utilities Corporation, New York, N. Y. Oil gasification process and apparatus. 2,071,285; Feb. 16.
Johnson, Alfred, West New Brighton, N. Y., and C. E. Hemminger, Westfield, N. J., assignors to Combustion Utilities Corporation, New York, N. Y. Oil gasification process. 2,071,286; Feb. 16.
Johnson, Bror A. E., Alsten, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Covering articles with wrappers. 2,070,736; Feb. 16.
Johnson, James P., Shaker Heights, Ohio. Vacuum pump. 2,070,662; Feb. 16.
Johnson, Lawrence N., San Francisco, Calif. Scalp protector. 2,071,205; Feb. 16.
Johnson, Lewis H., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,071,072; Feb. 16.
Johnson, Louis H., assignor to Southern Equipment Company, San Antonio, Tex. Steering device. 2,070,832; Feb. 16.
Johnson Matthey & Company Limited. (See Powell, A. R., and Box, assignors.)
Johnston, Arthur J. (See Stewart, C. E., and Johnston.)
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Washing machine. 2,071,036; Feb. 16.
Johnston, Lynn. (See Cawood, C. A., and Johnston.)
Jones, Daniel M. (See Damberg, A. V., and Cady, assignors.)
Jones, Daniel M., Troy, N. Y. Molding machine. 2,070,945; Feb. 16.
Jones, Josiah L., St. Petersburg, Fla. Venereal air syringe. 2,071,127; Feb. 16.
Jones, Robert D., assignor to G. H. Duncan, Kramer, via Hinkley, Calif. Insulator. 2,071,231; Feb. 16.
Joyce, Bryan P., East Orange, assignor to American Armament Corporation, Hoboken, N. J. Projectile. 2,070,946; Feb. 16.
Justheim, Clarence I., Salt Lake City, Utah. Insulated food container. 2,070,905; Feb. 16.
K-D Manufacturing Company. (See Dellinger, Martin C., assignor.)
Kahan, Jacob, Bronx, N. Y. Affixing rhinestones or the like upon fabrics. 2,070,737; Feb. 16.
Kaiser-Wilhelm-Institute fur Eisenforschung (eingetragener Verein). (See Trömel, Gerhard, assignor.)
Kalenborn, Arlon S. (See Frickey, R. E., and Kalenborn.)
Karlström, Fredrik J. R., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,070,834; Feb. 16.
Kayser, Julius, & Co. (See Mutchler, A. W., and Strassberger, assignors.)
Keller, Fred, and C. M. Craighead, New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Treating aluminium alloy and product. 2,070,833; Feb. 16.
Kellett, William W., Philadelphia, Pa. Cigarette package. 2,071,167; Feb. 16.
Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Kemp, Harold J., Swift Current, Saskatchewan, Canada. Fertilizer and seed feed attachment for drills. 2,071,037; Feb. 16.
Kennand, Donald I. M. et al. (See Carter, William A., assignor.)
Kent, Milton A., Larchmont, N. Y., assignor, by mesne assignments, to Electric Garages, Inc. Parking car. 2,070,792; Feb. 16.
Kent, Milton A., Larchmont, N. Y., assignor, by mesne assignments, to Electric Garages, Inc. Garage system. 2,070,793; Feb. 16.
Kenyon, William O., and R. R. Van Dyke, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Selective hydrolysis of mixed organic acid esters of cellulose. 2,070,602; Feb. 16.
Kersting, Bernard H., Ben Avon, Pa., assignor to The Dravo Contracting Company. Barge shifter. 2,071,168; Feb. 16.
Ketay, Morris F. (See Reichel, W. A., Havill, and Ketay.)
Khalil, Seyed, assignor to Royal Typewriter Company, Inc., New York, N. Y. Type bar for typewriters and the like. 2,071,206; Feb. 16.
Kidde, Walter, & Company. (See Grant, Harry C., Jr., assignor.)
Kielland, Jacob de R. (See Samuelsen, H., and Kielland.)
Kilgore, Lowell B., Washington, D. C. Insectifuge and insecticide. 2,070,603; Feb. 16.
Killik, William L., London, England. Artist's color box. 2,071,169; Feb. 16.
Kinner Airplane & Motor Corp. (See Sander, C. P., Righter, and Edenquist, assignors.)
Kircher, Paul J. (See Eschenbacher, H., and Kircher.)
Kirschbraun, Lester. (See Heppes, O. A., and Kirschbraun.)
Kisling, William L., St. Louis, Mo. Steam separator and superheater. 2,071,128; Feb. 16.
Klein, Abraham. (See Klein, Calvin W., Esterow, and A. Klein.)
Klein, Calvin W., L. Esterow, and A. Klein, New York, N. Y. Protective cover for food pans. 2,070,663; Feb. 16.
Klein, Wilhelm, Wuppertal-Boyenburg, Germany. Pump with cam drive. 2,070,738; Feb. 16.
Klemm, Emil J., Jr., Salt Lake City, Utah. Brake block. 2,070,947; Feb. 16.
Klempt, Walter. (See Glund, W., and Klempt.)
Klingenberger, Meno, Brooklyn, N. Y. Auxiliary melting means for type-setting machines. 2,071,073; Feb. 16.
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Check hasp anchor. 2,071,074; Feb. 16.
Knecht, Heinrich, assignor to Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland. Railroad vehicle. 2,071,207; Feb. 16.
Knickerbocker, George S., assignor of fifty per cent to J. G. Bennett, Minneapolis, Minn. Dancing toy. 2,071,129; Feb. 16.
Knote, Rudolf. (See Henning, Hans-Hoachim, assignor.)
Koechling, Charles D., Floral Park, assignor to The Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,071,075; Feb. 16.
Koehler, Frank, Portland, Oreg. Marble game apparatus. 2,070,948; Feb. 16.
Kopita, Murry, et al. (See Boyes, William H., assignor.)
Koppers Company. (See Fitz, Wilhelm, assignor.)
Koppers Company. (See Price, John D., assignor.)
Korbuly, Károly, Csepel, Hungary, assignor to firm Alfina Immobilien-Finanzierungs- & Verwaltungs A. G., Glarus, Switzerland. Push bench drive. 2,071,208; Feb. 16.
Krämer, Wilhelm, Emmerich, Germany. Manufacture of wire netting. 2,071,210; Feb. 16.
Krauss, Carl, and M. Pommer, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff preparation in powder form especially suitable for printing. 2,070,739; Feb. 16.
Krebs, Ernst T., Jr. (See Krebs, Ernst T., and E. T., Jr.)
Krebs, Ernst T., and E. T. Krebs, Jr., San Francisco, Calif. Treating oakwood for the aging of spirituous liquors. 2,070,794; Feb. 16.
Krüger, John D. C., Omaha, Nebr. Arch supporting device. 2,071,038; Feb. 16.
Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Can forming and sizing machine. 2,070,906; Feb. 16.

Krzikalla, Hans, and P. Garbsch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the pyrone series. 2,071,130; Feb. 16.
Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Thermostat. 2,070,604; Feb. 16.
Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Thermostat. 2,071,209; Feb. 16.
Küppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photoelectric exposure meter. 2,070,664; Feb. 16.
La Borde, Robert C., and E. C. Potter, Brooklyn, assignors to News Projection Corporation, New York, N. Y. Mechanism for driving webs of material. 2,071,076; Feb. 16.
La France, Horace, Springfield, assignor to Hodges Carpet Company, Inc., Indian Orchard, Mass. Spool retarding brake device for Axminster looms. 2,070,835; Feb. 16.
Lambert, Fred E. (See Williams, Hiram N., assignor.)
Lamson Company, The. (See Perry, H. R., and Jennings, assignors.)
Landis, George G. (See Lincoln, J. F., and Landis.)
Langehennig, Lulu W., Oklahoma City, Okla. Wrapper for books and other merchandise. 2,071,232; Feb. 16.
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Relay. 2,070,740; Feb. 16.
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch. 2,070,741; Feb. 16.
Laughinghouse, Harry L., Long Beach, Calif. Tubing bleeder. 2,070,907; Feb. 16.
Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Flexible nozzle for vacuum cleaners. 2,071,077; Feb. 16.
Leemhuis, Johannes C. P., Union of South Africa, assignor to E. J. Donaldson, Johannesburg, South Africa. Hollow wall and plates for its construction. 2,071,039; Feb. 16.
Leighton, Joseph B., New York, N. Y. Racing game. 2,070,605; Feb. 16.
Lepper, Robert J., Denver, Colo. Combined hose and sprinkler. 2,070,665; Feb. 16.
Levine, Arthur A., Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Dry cleaning compositions. 2,070,908; Feb. 16.
Lewis, Flossie. (See Loucks, George, assignor.)
Lickfeldt, Harry E., assignor of one-half to P. J. O'Rourke, Port Huron, Mich. Rotary combustion engine. 2,070,606; Feb. 16.
Linaker, Frederick W., St. Louis, Mo. Boiler cleaner tube. 2,070,795; Feb. 16.
Lincoln Electric Company, The. (See Lincoln, J. F., and Landis, assignors.)
Lincoln, James F., Shaker Heights, and G. G. Landis, University Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Welding current generation. 2,070,940; Feb. 16.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. High voltage generator. 2,070,972; Feb. 16.
Linder, Ernest G., Camden, N. J., assignor to Radio Corporation of America. Micro-wave oscillator and detector. 2,071,311; Feb. 16.
Lindquist, Fingal J. (See Phillips, John W., assignor.)
Line Material Company. (See Brown, Chester W., assignor.)
Line Material Company. (See Steinmayer, Alwing G., assignor.)
Littlefield, Edgar E., Los Angeles, Calif. Valves and their operation. 2,070,607; Feb. 16.
Litzinger, Raymond W., Pittsburgh, Pa., assignor of twenty-five per cent to L. C. Newsome, Minneapolis, Minn., and twenty-five per cent to R. H. Newsome, Bellevue, Pa. Carburetor or the like. 2,070,992; Feb. 16.
Llewellyn, Frederick B., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,070,666; Feb. 16.
Lloyd, James D., Yakima, Wash. Article delivery cabinet. 2,071,040; Feb. 16.
Long, Elmer C., Grosse Pointe Park, Mich. Piston for an internal combustion motor. 2,071,131; Feb. 16.
Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Aralkyl ethers of cellulose and method of producing. 2,071,287; Feb. 16.
Loucks, George, Dolgeville, assignor of ninety per cent to F. Lewis, Canastota, N. Y. Costumer. 2,071,132; Feb. 16.
Lougee, Frederick G., London, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Doctor blade mechanism for intaglio printing machines. 2,070,667; Feb. 16.
Low, Frank K., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,071,078; Feb. 16.
Lubberger, Fritz, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 2,070,909; Feb. 16.
Lundry, Walter R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,070,668; Feb. 16.
Lüthi, Jules, Birsfelden, Switzerland. Sign announcing apparatus. 2,070,669; Feb. 16.
Lynch Corporation. (See Bridges, Edward G., assignor.)
MacLean-Fogg Lock Nut Company. (See Rowe, Lawrence A., assignor.)
MacMichael, Hugh R., El Paso, Tex., assignor to American Smelting and Refining Co., New York, N. Y. Mechanical operation of smelting furnaces. 2,070,910; Feb. 16.
MacMichael, Hugh R., El Paso, Tex., assignor to American Smelting and Refining Co., New York, N. Y. Control of operating mechanism for Scotch hearths. 2,070,911; Feb. 16.
Macready, George A., Los Angeles, Calif. Obtaining fluid samples from drilled wells. 2,070,836; Feb. 16.
Madsen, George S., Chicago, Ill. Cutting tool. 2,070,796; Feb. 16.
Maggio, Anthony F., Baton Rouge, La. Toy. 2,071,041; Feb. 16.
Magidson, Frank, Pittsburgh, Pa. Making safetypins. 2,071,079; Feb. 16.
Magnavox Company, The. (See Quinnell, La Vern E., assignor.)
Magnesium Castings and Products Limited. (See Badger, Frederick, assignor.)
Magnetic Manufacturing Company. (See Stearns, R. H., and Harman, assignors.)
Magnetic Motors, Inc. (See Hammes, Frederic J., assignor.)
Marchev, Alfred, and J. W. Hernlund, La Grange, and C. C. McCain, Glen Ellyn, assignors to Ditto, Incorporated, Chicago, Ill. Multiple roll duplicating machine. 2,070,797; Feb. 16.
Marsh, James R., Essex Fells, N. J. Interchangeable shaded wall lighting fixture. 2,070,973; Feb. 16.
Marshall, George R., Seattle, Wash. Anal retractor. 2,070,670; Feb. 16.
Marshall, James E., assignor to Winchester Repeating Arms Company, New Haven, Conn. Roller. 2,071,080; Feb. 16.
Martin, Frank D., Bedford, Ind. Power transmission device. 2,070,837; Feb. 16.
Martin, Michael A., assignor to Uniflow Mfg. Company, Erie, Pa. Beverage cooling system and apparatus. 2,071,133; Feb. 16.
Martindale, Homer D., Middletown, assignor to The Black-Clawson Company, Hamilton, Ohio. Apparatus for making pulp or the like. 2,070,742; Feb. 16.
Mason, Elden G., Burbank, Calif. Combination magnifying glass and tongs. 2,070,798; Feb. 16.
Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Code signaling. 2,070,950; Feb. 16.
Mathieson Alkali Works, Inc., The. (See Taylor, Maurice C., assignor.)
Mathieson Alkali Works, Inc., The. (See Vincent, George P., assignor.)
Maurer, Paul H., assignor to Eclipse Machine Company, Elmira, N. Y. Automatic starting mechanism. 2,071,042; Feb. 16.
Maurice Mills Company, et al. (See Pace, Everett R., assignor.)
Maxwell, William J., New York, N. Y. Sound distributing panel and baffle for radio loudspeakers. 2,071,170; Feb. 16.
Mayer, Karl, Landau/Pfalz, Germany. Apparatus for turning in toe and heel caps for footwear. 2,071,271; Feb. 16.
McCain, Cecil C. (See Marchev, A., Hernlund, and McCain.)
McCombs, Stuart C., Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,070,638; Feb. 16.
McConkey, Montgomery W. (See Dodge, A. Y., and McConkey.)
McConnell, Henry K., Richmond, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Fumigating package. 2,071,171; Feb. 16.
McCord, David E. (See Dobbs, James K., assignor.)
McDermet, John R., assignor to Elliott Company, Pittsburgh, Pa. Method and apparatus for heating and deaerating liquids. 2,071,134; Feb. 16.
McDermott, Eugene, Dallas, Tex. Electrically exploring bore holes. 2,070,912; Feb. 16.
McDonald, Stephen S., Los Angeles, Calif. Vehicle wheel. 2,070,993; Feb. 16.
McDonnell, James W., Palo Alto, Calif. Electrical indicating apparatus. 2,070,743; Feb. 16.
McDowell, Stanford W. (See Gibbs, R. A., Jr., and McDowell.)
McFarlane, Maynard L. D., Brooklyn, N. Y. Translation of modulated electric current into a series of impulses. 2,070,913; Feb. 16.
McGiffert, John R., and N. Huber, assignors to Clyde Iron Works, Duluth, Minn. Locomotive crane. 2,071,135; Feb. 16.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Backfiring release for automatic starting mechanism. 2,070,994; Feb. 16.
McKee, George K., Cincinnati, Ohio. Shock absorber. 2,070,799; Feb. 16.
McKesson & Robbins, Inc. (See Omohundro, A. L., and Fanto, assignors.)

McKinney, Cleveland J., Hillsdale, Mich. Solder. 2,071,211; Feb. 16.
McKnight, James D., New York, N. Y. Register with pivoted vanes. 2,071,262; Feb. 16.
McMullen, Jr., Roger B., Evanston, Ill. Motorized bicycle. 2,070,800; Feb. 16.
Mechling, Frederic E., Akron, assignor of one-half to G. A. Wiedemer, Wadsworth, Ohio. Wheel balancing device. 2,070,995; Feb. 16.
Meilner, Joseph, West Orange, N. J. Mechanical pencil. 2,071,172; Feb. 16.
Meinograph Process, Incorporated. (See Meinzinger, Fred J., assignor.)
Meinzinger, Fred J., assignor to Meinograph Process, Incorporated, Detroit, Mich. Reproducing colors and apparatus used therewith. 2,071,136; Feb. 16.
Meissner, Charles R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeater testing. 2,070,671; Feb. 16.
Meldau, Charles, New York, N. Y. Cooler. 2,070,951; Feb. 16.
Melville, Robert, Challis, Idaho. Braking mechanism. 2,070,614; Feb. 16.
Merk, Fritz C., Sharon, Pa. Welded rolled steel cinder pot. 2,071,233; Feb. 16.
Merrill, Josiah L., Elmhurst, N. Y. Electric toaster. 2,071,234; Feb. 16.
Merritt, Matthew M. (See Connor, J. H., and Merritt.)
Metcalf, Arthur C. (See Speas, V. E., Mnookin, and Metcalf.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Meyer, Edgar D., Cincinnati, Ohio. Pressing machine. 2,070,996; Feb. 16.
Meyer, Fred C., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system and joint therefor. 2,070,974; Feb. 16.
Micamold Radio Corporation. (See Bergstein, Milton, assignor.)
Micromatic Hone Corporation. (See Connor, K. W., Calvert, and Bleasdale, assignors.)
Midland Steel Products Company, The. (See Sneed, John, assignor.)
Midland Wire & Metal Products. (See Scriba, John M., assignor.)
Miller, Leonard. (See Dobbs, Eugene M., assignor.)
Miller, Thomas G. (See Petersen, Peter, assignor.)
Milmoe, Michael J., assignor to F. B. Redington Co., Chicago, Ill. Container forming and filling machine. 2,071,081; Feb. 16.
Minneci, Salvatore. (See Blume, L. F., and Minneci.)
Misslin, Emil E., Basel, and R. von Capelier, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 2,070,997; Feb. 16.
Mitchel, Charles F., assignor to Bastian Brothers Company, Rochester, N. Y. Knob or handle for bar beer taps or the like. 2,070,952; Feb. 16.
Mitchell, Robert, Detroit, Mich. Game. 2,070,608; Feb. 16.
Mnookin, Nathan M. (See Speas, V. E., Mnookin, and Metcalf.)
Moczala, Hans J., Berlin, Germany. Producing double-wall vessels of ceramic material and with rarefaction of the air within the wall spaces. 2,070,672; Feb. 16.
Moore, Edwin E., Gary, Ind., assignor to American Sheet and Tin Plate Company. Rolling mill. 2,071,212; Feb. 16.
Moore, John H., Detroit, Mich. Garment hanger. 2,070,673; Feb. 16.
Moore, Samuel, Hoylake, assignor to Stellite Limited, Queen's Ferry, near Chester, England. Apparatus for the distillation, calcination, or heat treatment of coal, shale, peat, wood, and other suitable fragmentary solid and/or semisolid materials. 2,071,082; Feb. 16.
Morgan, Herbert T., Santa Barbara, Calif. Stripe painting machine. 2,070,953; Feb. 16.
Morrison, Robert B., Detroit, Mich. Clothes washing machine. 2,070,863; Feb. 16.
Moth, Clifford C. (See Benoit, L., and Moth.)
Motor Terminals Company. (See Fitch, Benjamin F., assignor.)
Motor Terminals Company. (See Norbom, Ragnar A., assignor.)
Moynihan, John J., Boston, Mass., assignor to Aerovox Corporation. Electrolytic cell. 2,070,801; Feb. 16.
Mueller, Oskar. (See Neubert, M. P., and Mueller.)
Muentener, Christian C., Bogota, N. J., assignor, by mesne assignments, to Utility Innovations Inc., New York, N. Y. Dust bag. 2,070,674; Feb. 16.
Murray Corporation of America, The. (See Northup, Amos E., assignor.)
Murray Corporation of America, The. (See Westrope, Fred J., assignor.)
Muskat, Irving E., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadienes and chlorinated derivatives thereof. 2,070,609; Feb. 16.
Mutchler, Arthur W., Brooklyn, and H. J. Straussberger, Middle Village, Long Island, assignors to Julius Kayser & Co., New York, N. Y. Apparatus for stitch regulation in knitting machines. 2,070,802; Feb. 16.
Myers, George F., New York, N. Y. Helicopter. 2,070,610; Feb. 16.
Myers, William A., Springfield, assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent recovery. 2,070,611; Feb. 16.
N. V. Machinerieen-en Apparaten Fabrieken, "Meaf". (See Wilckens, Ernst, assignor.)
N. V. Nederlandsche Technische Handel Mij "Giro". (See Richter, Oskar, assignor.)
Nagler, Bruno. (See Rutherford, W. V. D'A., Hafner, and Nagler.)
Nash, Richard L., Wilkinsburg, assignor of one-half to H. Fearon, Edgewood (Pittsburgh), Pa. Tabulating and computing system. 2,071,083; Feb. 16.
National Aniline & Chemical Company. (See Smith, Hosea H., assignor.)
National Cash Register Company, The. (See Placke, Everett H., assignor.)
National Lock Co. (See North, Edwin, assignor.)
National Metal Edge Box Company. (See Wismer, Linwood L.)
National Pumps Corporation. (See Bradley, Eric H., assignor.)
Neidt, Herman N., assignor to The Torrington Manufacturing Company, Torrington, Conn. Universal coiling machine. 2,071,137; Feb. 16.
Neubert, Max P., Teaneck, N. J., and O. Mueller, New York, N. Y., said Mueller assignor to said Neubert. Implement bar for embroidering machines. 2,070,914; Feb. 16.
Neville Company, The. (See Thomas, C. A., and Carmody, assignors.)
New Jersey Machine Corporation. (See Fleischer, Paul W., assignor.)
Newman, Percy A., assignor to Ross Gear & Tool Company, Lafayette, Ind. Cam and lever steering gear. 2,071,235; Feb. 16.
News Projection Corporation. (See La Borde, R. C., and Potter, assignors.)
Newsome, Lee C., et al. (See Litzinger, Raymond W., assignor.)
Newsome, Richard H., et al. (See Litzinger, Raymond W., assignor.)
Nicholson, W. T., & Clipper Co. Ltd. (See Draycott, Charles E., assignor.)
Nickerson, George W., Butte, Mont. Friction block. 2,070,954; Feb. 16.
Niderreither, Hans, Munich, Germany. Producing, storing, and distributing electrical energy by operating gas batteries, particularly oxy-hydrogen gas batteries and electrolyzers. 2,070,612; Feb. 16.
Niemeyer, James C., St. Paul, Minn. Triangle-protractor. 2,070,675; Feb. 16.
Niles-Bement-Pond Company. (See Drake, Alden M., assignor.)
Niles-Bement-Pond Company. (See Shaw, Robert D., assignor.)
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Oral preparation. 2,071,043; Feb. 16.
Nolan, Harry E., Minneapolis, Minn. Lawn chair. 2,071,084; Feb. 16.
Nolan, Peter E., Providence, R. I. Feed collet. 2,071,138; Feb. 16.
Norbom, Ragnar A., Clifton, N. J., assignor to Motor Terminals Company, New York, N. Y. Device for resiliently positioning demountable bodies. 2,070,613; Feb. 16.
Norbom, Torleif. (See Jassop, G. A., and Norbom.)
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Liquid filling machine. 2,070,616; Feb. 16.
North, Edward L., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission network. 2,070,677; Feb. 16.
North, Edwin, assignor to National Lock Co., Rockford, Ill. Refrigerator door hinge. 2,071,085; Feb. 16.
Northup, Amos E., Detroit, Mich., assignor to The Murray Corporation of America. Windshield mounting. 2,070,676; Feb. 16.
Norton Company. (See Webster, Duane E., assignor.)
Nortron Patents Corp. (See Baruch, Sydney N., assignor.)
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Crosstalk reduction in communication systems. 2,070,744; Feb. 16.
Oblak, Hans, Donawitz, Steiermark, Austria. Safe and the like. 2,070,803; Feb. 16.
O'Brien, Frank J., and H. A. Fink, Pelham Manor, assignors to Continental Can Company, Inc., New York, N. Y. Container with rotatable spout. 2,070,745; Feb. 16.
O'Brien, Frank J., and H. A. Fink, Pelham Manor, assignors to Continental Can Company, Inc., New York, N. Y. Container with rotatable spout. 2,070,746; Feb. 16.
Odarenko, Todos M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coaxial conductor system. 2,070,678; Feb. 16.
Odom, Blaine W., Los Angeles, Calif. Paint strainer. 2,070,998; Feb. 16.
Offutt, Anderson, United States Navy. Boiler feed water regulator. 2,070,617; Feb. 16.
Oil Engine Development Company. (See Cummins, Clessie L., assignor.)
Okonite-Callender Cable Company, The. (See Meyer, Fred C., assignor.)
Olson, Frederick F. (See Everett, W. D., Starner, and Olson.)

Olszewski, Stephen C., Davenport, Iowa. Actuating mechanism for gearing. 2,070,618; Feb. 16.
Omohundro, Allen L., and E. C. Fanto, Fairfield, Conn., assignors to McKessen & Robbins, Inc. Therapeutical compounds containing metal abietates. 2,070,915; Feb. 16.
O'Rourke, Patrick J. (See Lickfeldt, Harry E., assignor.)
Örström, Gustaf, Alsten, assignor to Aktiebolaget Gerh Arehns Mekaniska Verkstad, Stockholm, Sweden. Receptacle. 2,070,747; Feb. 16.
Örström, Gustaf, Alsten, Sweden, assignor to Aktiebolaget Gerh Arehns Mekaniska Verkstad, Stockholm, Sweden. Method of and apparatus for forming containers for packages. 2,070,838; Feb. 16.
O'Shea, Francis B., assignor of one-third to S. J. Getman, Ilion, N. Y. Glare shield. 2,071,272; Feb. 16.
Owen, William E., Schenectady, N. Y., assignor to General Electric Company. Timer. 2,071,173; Feb. 16.
Pace, Everett R., Belmont, assignor of one-half to Ragan Knitting Company, and one-half to Maurice Mills Company, Thomasville, N. C. Knitting. 2,071,289; Feb. 16.
Packard Motor Car Company. (See Knapp, Archer L., assignor.)
Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)
Parisoe, John, Cincinnati, Ohio. Handle and lock cover. 2,070,955; Feb. 16.
Park, Crawford, Youngstown, Ohio. Safety casting device. 2,070,975; Feb. 16.
Parker, Charles R., assignor to Wirt & Knox Mfg. Co., Philadelphia, Pa. Multiple hose reel. 2,071,174; Feb. 16.
Patent and Licensing Corporation, The. (See Heppes, O. A., and Kirschbraun, assignors.)
Paterson, Wilmot M., Wellesley, assignor to Trimont Manufacturing Co., Inc., Roxbury, Mass. Pipe cutter guide. 2,071,273; Feb. 16.
Patterson, John T. (See Akers, Milton K., assignor.)
Payne, Walter R., assignor to The Todd Company, Inc., Rochester, N. Y. Printing apparatus. 2,071,139; Feb. 16.
Payson, Rudolph, Flushing, N. Y. Heating apparatus. 2,070,804; Feb. 16.
Pearce, George C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,070,748; Feb. 16.
Peate, George A., Montreal, Quebec, assignor of one-third to E. H. Brietzcke, Westmount, Canada. Tuner for string instruments. 2,070,916; Feb. 16.
Peböck, Rudolf, and K. Bergstein, Berlin, Germany. Preparing nonmetallic articles for electro-plating. 2,070,679; Feb. 16.
Peerless Key Company. (See Watson, Charles J., assignor.)
Peerless Machinery Company, The. (See Glines, Frederick S., assignor.)
Pelton, John C., North Hollywood, Calif. Vibrator. 2,070,956; Feb. 16.
Penn, Frederick H., Dallas, Tex. Treating tobacco and improved tobacco product. 2,070,957; Feb. 16.
Pennish, Lewis E. (See Hinman, Chauncy W., assignor.)
Pénot, Robert E. M., Paris, France. Automatic printing telegraph. 2,071,140; Feb. 16.
Perry, Harold R., Swarthmore, Pa., and C. S. Jennings, Syracuse, N. Y., assignors to The Lamson Company, Syracuse, N. Y. Conveyer system. 2,070,917; Feb. 16.
Perry, Ira D., Muskegon, Mich. Bladder attachment to valves of inflated articles and the like. 2,071,213; Feb. 16.
Perry, Robert B., Waterbury, assignor to Rock of Ages Corporation, Barre, Vt. Producing an ornamental design in stone. 2,071,086; Feb. 16.
Pestalozza, Ugo, assignor to Societa Italiana Pirelli, Milan, Italy. Manufacture of rubber compositions from latex and like aqueous rubber dispersions. 2,071,214; Feb. 16.
Peterkin, Albert G., Jr., Bryn Mawr, assignor to The Atlantic Refining Company, Philadelphia, Pa. Converting hydrocarbon oils. 2,070,680; Feb. 16.
Petersen, Hans. (See Wilms, G. O., and Petersen.)
Petersen, Peter, Lund, Sweden. Artificial respiration apparatus. 2,071,215; Feb. 16.
Petersen, Peter, Los Angeles, assignor of one-half to T. G. Miller, Venice, Calif. Fruit prongs. 2,070,976; Feb. 16.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Oscillatory circuit. 2,070,681; Feb. 16.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency determining system. 2,070,958; Feb. 16.
Peterson, Ruben O., Glen Ellyn, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Coated gasket. 2,070,918; Feb. 16.
Peterson, Victor W., assignor to Hannifin Manufacturing Co., Chicago, Ill. Cylinder. 2,070,805; Feb. 16.
Philipp, Herbert, assignor to The Solvay Process Company, Syracuse, N. Y. Electrolytic cell. 2,071,087; Feb. 16.
Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,071,175; Feb. 16.
Phillips, John W., assignor of one-half to F. J. Lindquist, Bridgeport, Conn. Cement and plaster material. 2,071,263; Feb. 16.
Phillips, Rodney F., Oakland, Calif. Jack. 2,070,960; Feb. 16.
Pierce, Frank L., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,070,682; Feb. 16.
Pierce, Raymond C., Chicago, Ill., assignor to General American Tank Car Corporation. Refrigerator car. 2,071,236; Feb. 16.
Pittman, Walter F. (See Ford, G. F., and Pittman.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Running board assembly. 2,070,839; Feb. 16.
Placke, Everett H., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,071,141; Feb. 16.
Plante, Victor E., Milwaukee, Wis. Operating apparatus for internal combustion engines. 2,070,615; Feb. 16.
Pollok, Othmar, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Machine tool control arrangement. 2,071,176; Feb. 16.
Pommer, Max. (See Krauss, C., and Pommer.)
Pool, William, Spondon, England, assignor to Celanese Corporation of America. Shuttleless loom. 2,070,749; Feb. 16.
Port Arthur Shipbuilding Company, The. (See Ross, Fenton A., assignor.)
Posey, John P., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Radiator grille cover. 2,070,919; Feb. 16.
Potter, Everett C. (See La Borde, R. C., and Potter.)
Powell, Alan R., and E. R. Box, assignors to Johnson Matthey & Company Limited, London, England. Precious metal alloys. 2,071,216; Feb. 16.
Powers, Donald H., Moorestown, N. J., and L. H. Bock, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Cellulose solution. 2,070,999; Feb. 16.
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,070,920; Feb. 16.
Price, James E., Redondo Beach, Calif. Combined lock and latch. 2,070,619; Feb. 16.
Price, John D., Montreal, Quebec, Canada, assignor, by mesne assignments, to Koppers Company. Gas purification process. 2,070,620; Feb. 16.
Price, Walter R., Minneapolis, Minn. Electric switch. 2,070,683; Feb. 16.
Prolamine Products Incorporated. (See Hausen, Donald W., assignor.)
Puffer, Samuel R., Saugus, Mass., assignor to General Electric Company. Engine throttle control. 2,071,177; Feb. 16.
Purdue Research Foundation. (See Hass, H. B., and Hodge, assignors.)
Quadrex Corporation. (See Leathers, Ward, assignor.)
Quinnell, La Vern E., assignor to The Magnavox Company, Fort Wayne, Ind. Sound reproducer. 2,070,977; Feb. 16.
Rabkin, William, New York, N. Y. Projection mutoscope. 2,070,840; Feb. 16.
Racklyeft, John W., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironing machine. 2,071,264; Feb. 16.
Radio Corporation of America. (See Ballantine, Stuart, assignor.)
Radio Corporation of America. (See Braaten, Arthur M., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Mathes, Richard E., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Young, L. L., and Finch, assignors.)
Ragan Knitting Company, et al. (See Pace, Everett R., assignor.)
Ragatz, Edward G., assignor to Union Oil Company of California, Los Angeles, Calif. Distillation. 2,070,864; Feb. 16.
Railway & Industrial Engineering Co. (See Rudd, Harold H., assignor.)
Ramirez, Eduardo, Nogales City, Mexico. Vent plug with automatic feeding valve for storage batteries. 2,070,921; Feb. 16.
Rateau, Henri C. (See Church, P. R., and Rateau.)
Rathbun, Sherrill S., Rockville Centre, N. Y., assignor to R. S. Trott, Denver, Colo. Engine mounting. 2,070,621; Feb. 16.
Raymond Brothers Impact Pulverizer Company. (See Crites, Joe, assignor.)
Raymond Concrete Pile Company. (See Smith, Edward A., assignor.)
Raytheon Manufacturing Company. (See Spencer, Percy L., assignor.)
Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Regulator system. 2,070,750; Feb. 16.

Read, Balfour, Detroit, Mich. Internal combustion engine. 2,070,806; Feb. 16.

Reade, Carleton W., and H. T. Scott, assignors to The American Paper Bottle Company, Toledo, Ohio. Liquid handling mechanism. 2,070,841; Feb. 16.

Redington, F. B., Co. (See Milmoe, Michael J., assignor.)

Reeve, Charles S., Leonia, N. J., assignor to The Barrett Company, New York, N. Y. Treating tar and pitch. 2,070,961; Feb. 16.

Reich, Ernest, and F. Zipernovszky, Budapest, Hungary. Calibrating meter having a plurality of constants. 2,071,217; Feb. 16.

Reichel, Wladimir A., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Expansible diaphragm and making same. 2,070,751; Feb. 16.

Reichel, Wladimir A., Philadelphia, Pa., C. H. Havill, South Orange, N. J., and M. F. Ketay, Brooklyn, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Horsepower meter. 2,070,842; Feb. 16.

Reichert, Joseph S., and W. J. Sparks, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of baked products. 2,070,922; Feb. 16.

Reid, Ernest W., Pittsburgh, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Composition of matter. 2,070,962; Feb. 16.

Reid, George G., Chicago, Ill. Liquid dispensing device. 2,071,218; Feb. 16.

Reis, Clarence P., Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey. Container. 2,071,219; Feb. 16.

Renholdt, John E. (See Beard, T. H., and Renholdt.)

Reynolds, Anita S., Princeton, N. J. System of automatic anticipatory control. 2,071,142; Feb. 16.

Reynolds Gas Regulator Co. (See Hughes, Ralph C., assignor.)

Rheem Manufacturing Company. (See Jennings, Ernest E., assignor.)

Richardson, Rodney G. (See Bellamy, J. I., and Richardson.)

Richter, Oskar, Kiel-Neumuhlen, Heikendorferweg, Germany, assignor to N. V. Nederlandsche Technische Handel Mij "Giro", The Hague, Netherlands. Gyroscopic compass. 2,070,923; Feb. 16.

Righter, Walter H. (See Sander, C. P., Righter, and Edenquist.)

Riley, George V., Washington, D. C. Coin controlled automatic sanitary insert basin. 2,071,000; Feb. 16.

Riley, Lester S., Reading, Mass. Cleaning rod for firearms. 2,070,844; Feb. 16.

Ritzerfeld, Wilhelm, Berlin, Germany. Delivery device for duplicating machines. 2,070,684; Feb. 16.

Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Overhead door construction. 2,070,845; Feb. 16.

Rock of Ages Corporation. (See Perry, Robert B., assignor.)

Rode, Fredrich J., M. R. Hatch, and A. H. Schloz, Toledo, Ohio. Sheet metal press. 2,071,001; Feb. 16.

Roehm, Erwin G. (See Romaine, M., Archea, and Roehm.)

Roehm, Erwin G., and W. D. Archea, Norwood, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Backlash eliminator. 2,070,807; Feb. 16.

Roës, Georges, Paris, France. Freewheel device for eliminating the reaction effects of a differential gear. 2,070,752; Feb. 16.

Roessler, Edward W., Schenectady, N. Y., assignor to General Electric Company. Air conditioning system. 2,071,178; Feb. 16.

Röhm & Haas Company. (See Powers, D. H., and Bock, assignors.)

Rolfs, Eugene L., Clayton, Mo., and C. W. Fuller, Houston, Tex., assignors to Johns-Manville Corporation, New York, N. Y. Pipe wrapping machine. 2,070,925; Feb. 16.

Romaine, Millard, and W. D. Archea, Cincinnati, and E. G. Roehm, Norwood, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine transmission and control mechanism. 2,070,808; Feb. 16.

Root, Leonard E., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Control surface. 2,070,809; Feb. 16.

Rosenstein, Ludwig. (See Hund, W. J., and Rosenstein.)

Ross, Fenton A., assignor to The Port Arthur Shipbuilding Company, Limited, Port Arthur, Ontario, Canada. Time indicating device. 2,071,274; Feb. 16.

Ross Gear & Tool Company. (See Newman, Percy A., assignor.)

Rottman, George, Brooklyn, N. Y. Moth bag. 2,071,088; Feb. 16.

Rowe, Alvin V., Galesburg, Ill. Bale tie. 2,071,089; Feb. 16.

Rowe, Lawrence A., Oak Park, assignor to MacLean-Fog Lock Nut Company, Chicago, Ill. Dust guard assembly. 2,070,865; Feb. 16.

Rowe, William W., Cincinnati, Ohio, assignor, by mesne assignments, to Bemis Bro. Bag. Co., St. Louis, Mo. Bag and process and device for effecting closures therein. 2,070,685; Feb. 16.

Royal Typewriter Company. (See Khalil, Seyed, assignor.)

Rudd, Harold H., assignor to Railway & Industrial Engineering Co., Greensburg, Pa. Electrical connecter. 2,071,002; Feb. 16.

Rupprecht, Tom., Indianapolis, Ind. Fuel injector for Diesel engines. 2,071,237; Feb. 16.

Rutherford, Walton V. D'A., London, England, R. Hafner and B. Nagler, Vienna, Austria. Helicopter and rotating wing aircraft. 2,070,686; Feb. 16.

Saling, William J., Decatur, Ill. Metal splint. 2,070,810; Feb. 16.

Salmona, Riccardo, et al. (See Salvoni, Ippolito, assignor.)

Salvoni, Ippolito, assignor of forty-four per cent to R. Salmona, and twelve per cent to E. Q. Jackson, New York, N. Y. Water supply arrangement for bidets. 2,070,622; Feb. 16.

Samuelsen, Hjalmar, Oslo, and J. de R. Kielland, Vinderen, near Oslo, Norway. Paying and money changing device. 2,070,846; Feb. 16.

Sander, Charles P., W. H. Righter, Glendale, and G. Edenquist, Los Angeles, Calif., assignors to Kinner Airplane & Motor Corp., Ltd. Valve and rocker arm assembly for radial engines. 2,070,926; Feb. 16.

Sargent, William D., New York, N. Y., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del. Brake drum. 2,070,847; Feb. 16.

Sartakoff, Jack D., Elmhurst, N. Y. Carroting fur. 2,070,927; Feb. 16.

Sassen, Bernard, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Thermally conditioned machine tool. 2,070,811; Feb. 16.

Satterlee, Howard A., Needham, assignor to Submarine Signal Company, Boston, Mass. Apparatus for the measurement of rotational velocities. 2,070,623; Feb. 16.

Saunders, Norman H., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,070,866; Feb. 16.

Saunders, Sydney L. M., London, England. Preparing a synthetic resin composition. 2,071,312; Feb. 16.

Saunders, Sydney L. M., London, England. Preparing a synthetic resin composition. 2,071,313; Feb. 16.

Savage, Eugene F., Ossining, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Method and apparatus for motion picture visual accompaniments to musical scores. 2,071,044; Feb. 16.

Schatzky, Franz, Breslau, Germany. Sliding clasp fastener for fabric edges joining in a curved line. 2,070,753; Feb. 16.

Schauller, Grace L., Oberlin, Ohio. Combination base and shoe for toy people. 2,071,179; Feb. 16.

Scheiner, Harry. (See Bowen, C. R., and Southwell, assignors.)

Schlacht, Herman, Woodhaven, N. Y. World clock. 2,070,687; Feb. 16.

Schlegel, Carl F., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 2,070,624; Feb. 16.

Schlegel Manufacturing Company, The. (See Schlegel, Carl F., assignor.)

Schloz, Arthur H. (See Rode, F. J., Hatch, and Schloz.)

Schmidt, Charles, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,071,265; Feb. 16.

Schmidt, Charles, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Lock top metal container. 2,071,266; Feb. 16.

Schneider, Christian, Vegreville, Alberta, Canada. Grain cleaner. 2,071,267; Feb. 16.

Schniebs, Otto E., Hanover, N. H. Ski. 2,071,220; Feb. 16.

Scholz, Harvey A., Milwaukee, Wis. Marking device. 2,071,003; Feb. 16.

Schramm, Albert, Astoria, N. Y. Airplane. 2,071,221; Feb. 16.

Schroeder, Henry L., Chicago, Ill. Baker's peel. 2,070,928; Feb. 16.

Schwartz, Nathan, New York, N. Y. Respirator, gas mask, and the like. 2,070,754; Feb. 16.

Schwartzman, Jacob, assignor to S. E. Schwartzman, Brooklyn, N. Y. Bedspring construction. 2,071,275; Feb. 16.

Schwartzman, Samuel E. (See Schwartzman, Jacob, assignor.)

Schwartzman, Samuel E., Brooklyn, N. Y. Strap for upholstery springs. 2,070,963; Feb. 16.

Schweizerische Industrie-Gesellschaft. (See Knecht, Heinrich, assignor.)

Scott, Glenn W., Mount Zion, and A. Frizzell, Decatur, Ill. Track leveler for tractors. 2,070,964; Feb. 16.

Scott, Henry T. (See Reade, C. W., and Scott.)

Scott, Lewis L., Kirkwood, Mo., assignor to Detroit Lubricator Company, Detroit, Mich. Automatic valve. 2,071,143; Feb. 16.

Scriba, John M., assignor to Midland Wire & Metal Products, Chicago, Ill. Display device. 2,071,290; Feb. 16.

Searles, Wayne S., assignor to Flexrite Sales Company, Providence, R. I. Ophthalmic mounting. 2,071,045; Feb. 16.

Seigle, Maurice and W., Hinton, Okla. Fishing lure. 2,070,755; Feb. 16.

Seigle, William. (See Seigle, Maurice, and W.)

Semon, Waldo L., Silver Lake, and R. V. Yohe, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparing aliphatic-aromatic ethers. 2,070,848; Feb. 16.

Sergeson, Allan M., Philadelphia, Pa. Shuttle. 2,071,238; Feb. 16.

Severy, Victor H., Glendale, Calif. Tuning apparatus. 2,070,867; Feb. 16.

Shanley, William C., Chicago, Ill. Vacuum breaker for flush valve devices. 2,071,004; Feb. 16.

Shaw, Robert D., Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y. Electrically controlled and operated lathe. 2,071,180; Feb. 16.

Shelby Spring Hinge Co., The. (See Hubbs, Henry E., assignor.)

Shell Development Company. (See Groll, H. P. A., and Hearne, assignors.)

Shell Development Company. (See Hund, W. J., and Rosenstein, assignors.)

Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Writing machine. 2,070,625; Feb. 16.

Sherman, Reuel A., Washington, D. C. Instrument for correcting eyes. 2,070,849; Feb. 16.

Shipway, George E., Darien, Conn., and L. M. Steuber, assignors to Johns-Manville Corporation, New York, N. Y. Wall assembly and clip. 2,071,291; Feb. 16.

Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Treating and reclaiming lubricating oils. 2,070,626; Feb. 16.

Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Oxidation refining of lubricating oil. 2,070,627; Feb. 16.

Shorrock, Christopher. (See Haydock, J., Jr., Haythorn, and Shorrock.)

Siegel, Joseph, New York, N. Y. Crotch construction for trousers. 2,070,965; Feb. 16.

Siemens & Halske Aktiengesellschaft. (See Lubberger, Fritz, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Wochinger, Eduard, assignor.)

Simonds, Warren J., assignor to Rodney Hunt Machine Company, Orange, Mass. Reenforced reel for dye kettles and the like. 2,071,090; Feb. 16.

Simons, Donald M. (See Atkinson, R. W., and Simons.)

Skelly, John S., Monongahela, Pa. Variable speed drive for mechanical stokers. 2,070,756; Feb. 16.

Skudre, Arnold M., San Francisco, Calif., assignor to Submarine Signal Company, Boston, Mass. Sound producing and mounting therefor. 2,070,628; Feb. 16.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,070,688; Feb. 16.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,070,689; Feb. 16.

Smeykal, Karl. (See Herold, P., and Smeykal, assignors.)

Smith, Albert J. (See Hill, Reuben, assignor.)

Smith, Alexander, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Knife for sugar cane mills or the like. 2,070,959; Feb. 16.

Smith, Edward A., Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Preparation of foundation columns. 2,071,046; Feb. 16.

Smith, Edward A., Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Apparatus for forming concrete foundation columns. 2,071,047; Feb. 16.

Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Making paper. 2,070,757; Feb. 16.

Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Paper-shaking machine. 2,070,929; Feb. 16.

Smith, Hosea H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Packing catalytic reaction vessels. 2,070,868; Feb. 16.

Smith, Perley D., Methuen, Mass. Combined tie and collar holder. 2,071,181; Feb. 16.

Smith, Rulo W., Auburn, Ind. Air conditioner. 2,070,690; Feb. 16.

Smith, S. Morgan, Company. (See Jessop, G. A., and Norbom, assignors.)

Smoots, John P., Shaker Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Treating cracked petroleum distillates. 2,070,978; Feb. 16.

Snead & Company. (See Snead, William S., assignor.)

Snead, William S., Montclair, assignor to Snead & Company, Jersey City, N. J. Metallic door. 2,070,812; Feb. 16.

Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake mechanism. 2,071,144; Feb. 16.

Societa Italiana Pirelli. (See Pestalozza, Ugo, assignor.)

Société Anonyme des Anciens Etablissements Hotchkiss & Cie. (See Boussel, Lucien A., assignor.)

Société Anonyme Etablissements Willeme. (See Willeme, Louis, assignor.)

Société Anonyme Forgeage Electrique Giacchino. (See Giacchino, Ezio, assignor.)

Society of Chemical Industry in Basle. (See Misslin, E. E., and von Capeller, assignors.)

Society "Yacco" S. A. F. (See Dintilhac, Jean G., assignor.)

Solar Industries, Inc. (See Ballentine, Earle W., assignor.)

Solvay Process Company, The. (See Philipp, Herbert, assignor.)

Sorensen, Lee S., Long Beach, Calif. Oil well device. 2,070,869; Feb. 16.

Sorensen, P., Manufacturing Company. (See Brick, Irving L., assignor.)

Southern Equipment Company. (See Johnson, Louis H., assignor.)

Southwell, John M. (See Bowen, C. R., and Southwell.)

Sowter, Percy F. C. (See Dickie, W. A., and Sowter.)

Sowter, Percy F. C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial filaments and other products containing organic derivatives of cellulose. 2,070,630; Feb. 16.

Spadone, Charles C. (See Wennberg, O., Wegner, and Spadone.)

Spadone Machine Company. (See Wennberg, O., Wegner, and Spadone, assignors.)

Sparks, William J. (See Reichert, J. S., and Sparks.)

Spatz, Fritz, Haus Freyimfelde, near Halle-on-the-Saale, Germany. Motor vehicle. 2,070,758; Feb. 16.

Speas Mfg. Co. (See Speas, V. E., Mnookin, and Metcalf, assignors.)

Speas, Victor E., N. M. Mnookin, and A. C. Metcalf, Kansas City, Mo., assignors to Spens Mfg. Co. Purification of pectin solutions. 2,070,870; Feb. 16.

Spencer, Percy L., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,070,691; Feb. 16.

Spencer, William H., New York, L. R. Birdsall, Long Island City, and W. Bahler, New York, assignors to The Frink Corporation, Long Island City, N. Y. Sign plate and other ornamental panel. 2,071,239; Feb. 16.

Spencer, William H., New York, L. R. Birdsall, Long Island City, and W. Bahler, New York, assignors to The Friuk Corporation, Long Island City, N. Y. Making sign plates and like ornamental panels. 2,071,240; Feb. 16.

Spisak, Andrew A. (See Becker, L. A., and Spisak.)

Sportsman's Equipment Co. (See Claus, Walter E., assignor.)

Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)

Squires, Harry, Thompsonville, Conn. Device for withdrawing liquid from metal containers. 2,070,930; Feb. 16.

Standard Oil Company. (See Adams, Chester E., assignor.)

Standard Oil Company. (See Brunstrum, L. C., and Adams, assignors.)

Standard Oil Company. (See Shoemaker, Bernard H., assignor.)

Standard Oil Company, The. (See Smoots, John P., assignor.)

Standard Oil Company of California. (See Thompson, Erskine D., assignor.)

Stanley Works, The. (See Robinson, David M., assignor.)

Starner, Irving F. (See Everett, W. D., Starner, and Olson.)

Steam Pressing Iron Company. (See Clark, Frederick J., assignor.)

Stearns, Roswell H., Milwaukee, and H. W. Harman, Wauwatosa, assignors to Magnetic Manufacturing Company, Milwaukee, Wis. Magnetic clutch. 2,070,813; Feb. 16.

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine condenser. 2,071,182; Feb. 16.

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerator. 2,071,183; Feb. 16.

Steinbeck, Charles A. (See Allison, R. R., and Steinbeck.)

Steinmayer, Alwin G., assignor to Line Material Company, South Milwaukee, Wis. Drop-out fuse construction. 2,070,759; Feb. 16.

Stellite Limited. (See Moore, Samuel, assignor.)

Stemmons, Clarence H., Kansas City, Mo. Sock liner arch support. 2,070,814; Feb. 16.

Stephenson, James R., assignor, by mesne assignments, to General Motors Corporation. Refrigerator condenser. 2,070,629; Feb. 16.

Sternad, Frank S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for treating plied sheet material. 2,071,048; Feb. 16.

Steuber, Louis M. (See Shipway, G. E., and Steuber.)

Stewart, Clyde E., Drexel Hill, and A. J. Johnston, Folcroft, Pa., assignors to General Electric Company. Indicating system. 2,071,184; Feb. 16.

Stockton, David B., assignor to Udylite Company, Detroit, Mich. Brightening metals. 2,070,871; Feb. 16.

Stone, Porter E., Detroit, Mich. Lock. 2,070,692; Feb. 16.

Straith, Claire L., Detroit, Mich. Safety device for automobiles. 2,070,760; Feb. 16.

Straussberger, Hans J. (See Mutchler, A. W., and Straussberger.)

Streun, John A., Sherman, assignor to Hardwicke-Etter Company, Grayson County, Tex. Cotton drier. 2,071,049; Feb. 16.

Strickler, Ellis B., Yorkana, Pa. Novelty box. 2,070,693; Feb. 16.

Strindberg, Richard, assignor to Development Associates, Inc., Worcester, Mass. Gas filter. 2,070,872; Feb. 16.

Stroud, Francis H., Seattle, Wash., assignor to Weaver Manufacturing Company, Springfield, Ill. Brake testing apparatus. 2,070,873; Feb. 16.
Sturtevant, B. F., Company. (See Foss, Benjamin S., assignor.)
Submarine Signal Company. (See Batchelder, Laurence, assignor.)
Submarine Signal Company. (See Satterlee, Howard A., assignor.)
Submarine Signal Company. (See Skudre, Arnold M., assignor.)
Submarine Signal Company. (See Smith, Edward W., assignor.)
Summers, J Mills, Englewood, N. J. Liquid gauging device. 2,071,145; Feb. 16.
Sunderland, Morton, United States Navy. Rotary internal combustion engine. 2,070,631; Feb. 16.
Svensjö, Nils E., Alsten, Sweden, assignor to The DeLaval Separator Company, New York, N. Y. Yeast separator bowl. 2,070,966; Feb. 16.
Swank, James W. (See Calkins, R. M., and Swank.)
Swickard, Arthur R., assignor to W. F. Hamly, Sheridan, Wyo. Woodworking machine. 2,071,005; Feb. 16.
Tanning Process Company, The. (See Connor, J. H., and Merritt, assignors.)
Taylor, Cyril, Chester, W. Va. Collection envelope. 2,070,931; Feb. 16.
Taylor, John L., Milwaukee, Wis. Fuel-oil supply system. 2,070,932; Feb. 16.
Taylor, John L., Milwaukee, Wis. Engine governing system. 2,070,933; Feb. 16.
Taylor, Maurice C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 2,071,091; Feb. 16.
Tennessee Valley Authority. (See Curtis, Harry A., assignor.)
Texas Company, The. (See Dacus, E. N., and Gallsworthy, assignors.)
Textile Machine Works. (See Cook, Judson A., assignor.)
Thomas, Charles A., and W. H. Carmody, Dayton, Ohio, assignors, by mesne assignments, to The Neville Company, Neville Island, Pittsburgh, Pa. Decolorization of resins. 2,070,694; Feb. 16.
Thomas, Kurt, Baden, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Internal combustion engine. 2,071,241; Feb. 16.
Thomas, Laurence H. (See Kuhn, F., and Thomas.)
Thompson, Carl A., Harvard, Ill. Wire handling device. 2,070,934; Feb. 16.
Thompson, Erskine D., Burlingame, assignor to Standard Oil Company of California, San Francisco, Calif. Display device. 2,071,288; Feb. 16.
Thompson Products, Incorporated. (See Cox, John R., assignor.)
Thompson Products, Inc. (See Cox, J. R., and Abramoska, assignors.)
Thumin, Carl, Yeadon, Pa., assignor to General Electric Company. Electric circuit breaker. 2,071,185; Feb. 16.
Tinghir, Vahe, Forest Hills, N. Y. Automobile reverse brake mechanism. 2,070,698; Feb. 16.
Tobacco By-Products and Chemical Corporation. (See McConnell, Henry K., assignor.)
Todd Company, The. (See Payne, Walter B., assignor.)
Todd, Harlan C., and P. R. Todd, Martin, S. Dak. Illuminated filling nozzle. 2,071,242; Feb. 16.
Todd, Paul R. (See Todd, Harlan C., and P. R.)
Tofano, Frank, Bronx, N. Y. Chemically filled electric block for medical heat treatments. 2,071,186; Feb. 16.
Tomlinson, George H., Montreal, Quebec, Canada. Treating pulp mill waste cooking liquors. 2,070,632; Feb. 16.
Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cam operated machine. 2,070,633; Feb. 16.
Torrington Manufacturing Company, The. (See Neidt, Herman N., assignor.)
Trabold, Frank W., Detroit, Mich. Meat product. 2,070,850; Feb. 16.
Tracy, Robert W., assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 2,070,695; Feb. 16.
Tracy, Robert W., assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 2,080,696; Feb. 16.
Traughber Engineering Co., The. (See Bowman, Reginald G., assignor.)
Trant, William A., assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Variable ratio jack. 2,070,935; Feb. 16.
Tremolada, Guglielmo, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. One-man retractable walking-beam. 2,070,815; Feb. 16.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trimont Manufacturing Co., (See Paterson, Wilmot M., assignor.)
Tripp, John S., Chicago, Ill. Reflector. 2,071,243; Feb. 16.
Trömel, Gerhard, assignor to Kaiser-Wilhelm-Institute fur Eisenforschung (eingetragener Verein), Dusseldorf, Germany. Producing fertilizers. 2,070,697; Feb. 16.
Trott, Rolland S. (See Rathbun, Sherrill S., assignor.)
Trout, Walter C., Lufkin, Tex. Counterbalance for crankshafts. 2,071,007; Feb. 16.
Trout, Walter C., Lufkin, Tex. Combined balance and counterbalance for crankshafts. 2,071,008; Feb. 16.
Trout, Walter C., Lufkin, Tex. Mechanically operated counterbalance. 2,071,009; Feb. 16.
Trowbridge, Miles L., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Protective treatment of fresh fruits and vegetables in preparation for market. 2,070,936; Feb. 16.
Troy, Max, Brooklyn, N. Y. Lock. 2,071,092; Feb. 16.
Udylite Company. (See Stockton, David B., assignor.)
Underwood, Carl M., Newton Center, Mass., and A. L. Van Nest, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Composite metal article and joining the parts thereof. 2,071,050; Feb. 16.
Uniflow Mfg. Company. (See Martin, Michael A., assignor.)
Union Asbestos & Rubber Company. (See Gillies, William R., assignor.)
Union Carbide and Carbon Corporation. (See Reid, Ernest W., assignor.)
Union Oil Company of California. (See Ragatz, Edward G., assignor.)
Union Switch & Signal Company, The. (See Allison, Leslie R., assignor.)
Union Switch & Signal Company, The. (See Vantassel, Harry C., assignor.)
Union Swith & Signal Company. (See Willson, Clinton L., assignor.)
United Shoe Machinery Corporation. (See Hallbauer, Dankmar, assignor.)
United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
Universal Cooler Corporation. (See Higham, William W., assignor.)
Universal Draft Gear Attachment Co. (See Bartsch, Herbert E., assignor.)
Universal Optical Corporation. (See Bosworth, Thomas E., assignor.)
Urschel, William E., Valparaiso, Ind. Filling machine and process of filling containers. 2,071,006; Feb. 16.
Utility Innovations Inc. (See Muentener, Christian C., assignor.)
Vacher, Henri E. J. (See Buelna, Guadalupe, assignor.)
Vallet, Stanley F. L., St. Louis, Mo. Constructing buildings. 2,070,937; Feb. 16.
Van Dyke, Russel H. (See Kenyon, W. O., and Van Dyke.)
Vanek, Joseph R., Poughkeepsie, N. Y. Nonspillable storage battery. 2,070,979; Feb. 16.
Van Horn, Duane, Plymouth Meeting, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Sheet metal dome for planetarium or the like. 2,071,093; Feb. 16.
Van Nest, Arden L. (See Underwood, C. M., and Van Nest.)
Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,071,051; Feb. 16.
Vantassel, Harry C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Controlling apparatus for highway crossing signals. 2,071,052; Feb. 16.
Varley, Richard, New York, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del. Inter-outer telephone system. 2,071,053; Feb. 16.
Victor Manufacturing & Gasket Company. (See Peterson, Ruben O., assignor.)
Vincent, George P., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 2,071,094; Feb. 16.
Voegeli-Jaggi, Philipp, Bern, Switzerland. Manufacturing grinding tools. 2,070,734; Feb. 16.
Von Capeller, Rudolf. (See Missiin, E. E., and von Capeller.)
Von Szeszich, Lajos, Frankfort, assignor to Deutsche Gold- und Silber Scheideanstalt, Frankfort-on-the-Main, Germany. Production of mercaptans. 2,070,761; Feb. 16.
Von Wedel, Carl J. R. H., Newark, N. J., assignor to Electrons, Inc. Gas filled discharge tube. 2,070,816; Feb. 16.
Voss, John H., Downers Grove, and T. F. Crocker, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,070,874; Feb. 16.
Wagner, Max, Stuttgart, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Springing arrangement for the wheels of vehicles. 2,070,817; Feb. 16.
Wainwright, Carlyle H., assignor to The Bentley Engineering Company Limited, Leicester, England. Circular knitting machine. 2,070,762; Feb. 16.
Walker, Louis E. Q. (See Dowsett, H. M., Walker, and Cadzow.)
Walter, George W., Charleston, S. C. Ophthalmic mounting. 2,070,938; Feb. 16.
Ward, Edward J., St. James, London, England. Machine for printing money values. 2,070,763; Feb. 16.
Ward, Eugene B., West Springfield, Mass. Footwear. 2,071,146; Feb. 16.
Warren City Tank & Boiler Company, The. (See Ellis, C. A., and Edwards, assignors.)

Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid power plant. 2,071,268; Feb. 16.
Wasserstein, Joseph, et al. (See Boyes, William H., assignor.)
Watson, Charles J., Brooklyn, assignor to Peerless Key Company, Inc., New York, N. Y. Twirler ring for typewriter platens. 2,071,147; Feb. 16.
Watts, John S., East Orange, N. J. Liquid mixing device. 2,071,095; Feb. 16.
Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Ironing machine. 2,071,187; Feb. 16.
Weaver Manufacturing Company. (See Stroud, Francis H., assignor.)
Weber, Roman F., Milwaukee, Wis. Box. 2,071,096; Feb. 16.
Weber, Victor, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Oscillating mechanism for fans. 2,070,875; Feb. 16.
Weberling, Heinrich, Munich, Germany. Color photography. 2,071,010; Feb. 16.
Webster, Duane E., assignor to Norton Company, Worcester, Mass. Abrasive article. 2,070,764; Feb. 16.
Wegner, Alfred E. (See Wennberg, O., Wegner, and Spadone.)
Weisberg, Harold J., Brighton, and C. E. Ide, Greece, N. Y. Defrosting signal for refrigerators. 2,071,148; Feb. 16.
Welding Service, Inc. (See Frickey, Royal E., assignor.)
Welding Service, Inc. (See Frickey, R. E., and Kalenborn, assignors.)
Welsbach Street Lighting Company of America. (See Whittaker, John D., assignor.)
Wendt, Gerald L., assignor to Coffee Products Corporation, New York, N. Y. Making a concentrated extract of coffee. 2,071,011; Feb. 16.
Wennberg, Odd, Laurelton, A. E. Wegner, Flushing, and C. C. Spadone, Rockville Centre, assignors to Spadone Machine Company, Inc., New York, N. Y. Cutting machine. 2,071,097; Feb. 16.
Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Xanthic formates. 2,070,634; Feb. 16.
Western Electric Company. (See Savage, Eugene F., assignor.)
Western Electric Company. (See Underwood, C. M., and Van Nest, assignors.)
Western Union Telegraph Company, The. (See Beardsley, B., and Creedon, assignors.)
Westinghouse Electric & Manufacturing Company. (See Baker, Benjamin P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Beck, Edward F., assignor.)
Westrope, Fred J., Detroit, Mich., assignor to The Murray Corporation of America. Convertible top. 2,070,699; Feb. 16.
Whedon, Inc. (See Grinnell, Albert A., assignor.)
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
White, John J., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe shank construction. 2,071,098; Feb. 16.
White Motor Company, The. (See Jehle, Ferdinand, assignor.)
White, Robert O., Manhattan Beach, Calif. Circulating liquid cooler. 2,071,188; Feb. 16.
White, Wilbur, Salamanca, N. Y. Electric gasoline heater. 2,070,635; Feb. 16.
Whitney, Alvin M., Bradford, Pa., assignor of one-fourth to G. A. Zillafro, Rixford, Pa. Hair clip or clasp. 2,070,939; Feb. 16.
Whittaker, John D., Babylon, N. Y., assignor to Welsbach Street Lighting Company of America, Philadelphia, Pa. Illumination. 2,070,700; Feb. 16.
Whittaker, John S., Puchong, Selangor, Federated Malay States. Pin-coupled members of dredging, elevating, conveying, and like apparatus. 2,070,765; Feb. 16.
Whittier, Prescott G. (See Dickinson, E. D., Ericson, and Whittier.)
Wickersham, Harry P. (See Burns, E., and Wickersham.)
Wiedemer, George A. (See Mechling, Frederic E., assignor.)
Wilckens, Ernst, Berlin-Lichterfelde, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken, "Meaf", Utrecht, Netherlands. Electrical sound-emitting apparatus. 2,070,701; Feb. 16.
Willeme, Louis, assignor to Societe Anonyme Etablissements Willeme, Nanterre, France. Road or railway vehicle. 2,070,702; Feb. 16.
Willey, Arthur O. (See Carroll, C. F., and Willey.)
Williams, Hiram N., assignor of one-half to F. E. Lambert, West Huntsville, Ala. Whip roll bearing. 2,070,703; Feb. 16.
Williams, Victor G., assignor to Delamere and Williams Limited, Toronto, Ontario, Canada. Bag making and filling machine. 2,071,244; Feb. 16.
Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electric valve converting system. 2,071,189; Feb. 16.
Willis, Clodius H., Princeton, N. J., B. D. Bedford and F. R. Elder, Schenectady, N. Y., assignors to General Electric Company. Electric power transmission. 2,071,190; Feb. 16.
Willson, Clinton L., assignor to Union Switch & Signal Company, Swissvale, Pa. Controlling apparatus for highway crossing signals. 2,071,054; Feb. 16.
Wilms, Gustav O., Milwaukee, and H. Petersen, Wauwatosa, assignors to Allen-Bradley Company, Milwaukee, Wis. Electric switch. 2,071,149; Feb. 16.
Wilson, Allen B., assignor to Acme Steel Company, Chicago, Ill. Sheet metal nail and forming same. 2,070,766; Feb. 16.
Winchester Repeating Arms Company. (See Blair, Emile, assignor.)
Winchester Repeating Arms Company. (See Marshall, James E., assignor.)
Winckler Engineering Laboratories Incorporated. (See Winckler, Gunnar A. F., assignor.)
Winckler, Gunnar A. F., Worcester, assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass. Lifesaving jacket with automatic electric lighting unit. 2,070,818; Feb. 16.
Wirt & Knox Mfg. Co. (See Parker, Charles R., assignor.)
Wismer, Linwood L., Audubon, N. J., assignor to L., E., H. A., and W. L. Wolf, copartners trading as National Metal Edge Box Company. Staying machine. 2,070,767; Feb. 16.
Wochinger, Eduard, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 2,070,876; Feb. 16.
Wolf, Elias, et al. (See Wismer, Linwood L.)
Wolf, Howard A., et al. (See Wismer, Linwood L.)
Wolf, L., et al. (See Wismer, Linwood L.)
Wolf, Walter L., et al. (See Wismer, Linwood L.)
Wolfe, Lester K., Fort Wayne, Ind. Comb. 2,071,150; Feb. 16.
Wonham, Fred S., New York, N. Y., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail joint shim. 2,071,151; Feb. 16.
Wood, Gar. (See Gray, Edward, assignor.)
Woodley, Gordon T. K., Waterford, Ontario, Canada. Wood screw. 2,070,851; Feb. 16.
Woolson, Harry T., assignor to Chrysler Corporation, Detroit, Mich. Motor vehicle power transmission. 2,071,292; Feb. 16.
Work, Ernest W., Toronto, Ontario, Canada, assignor to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Springless pressure relief valve. 2,071,152; Feb. 16.
Wotring, Gaylord H., West Caldwell, N. J., assignor to General Electric Company. Differential pressure operated instrument. 2,071,191; Feb. 16.
Wright, Horace C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Mixer. 2,070,768; Feb. 16.
Wurtele, Allan R., Minneapolis, Minn. Internal combustion engine. 2,070,769; Feb. 16.
Wyland, J. W., & Sons. (See Wyland, William C., assignor.)
Wyland, William C., San Gabriel, Calif., assignor to J. W. Wyland & Sons. Egg candling and sizing machine. 2,070,980; Feb. 16.
Yates, De Witt E., Chippewa Falls, Wis., assignor to W. S. Darley & Co., Chicago, Ill. Power transmission device. 2,070,636; Feb. 16.
Yohe, Robert V. (See Semon, W. L., and Yohe.)
Yorktown Electric Roaster Manufacturing Corporation. (See Hehr, H. C. A., and Eck, assignors.)
Young, Lloyd L., and J. L. Finch, Patchogue, N. Y., assignors to Radio Corporation of America. Temperature control system. 2,070,967; Feb. 16.
Youngstown Sheet & Tube Company, The. (See Adams, James L., Jr., assignor.)
Younts, Glen L., Schenectady, N. Y., assignor to General Electric Company. Apparatus for recording or reproducing sound. 2,071,192; Feb. 16.
Zarb, Joseph, London, England. Clutch. 2,071,245; Feb. 16.
Zeiss Ikon Aktiengesellschaft. (See Küppenbender, Heinz, assignor.)
Zerk, Oscar U., Cleveland, Ohio. Tire cover. 2,070,819; Feb. 16.
Zillafro, George A. (See Whitney, Alvin M., assignor.)
Zipernovszky, Franz. (See Reich, E., and Zipernovszky.)
Zuckerman, Milton, assignor to I. Haas, New York, N. Y. Rotary electric switch. 2,071,099; Feb. 16.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Circuit, Telegraph. A. D. Dowd. 20,265; Feb. 16.
Digesting process and apparatus. T. L. Dunbar and A. D. Merrill. 20,267; Feb. 16.
Digestion of fibrous material, Method and apparatus for the. T. L. Dunbar and A. D. Merrill. 20,266; Feb. 16.
Heating element, Electric resistance. E. L. Wiegand. 20,272; Feb. 16.
Metal, Apparatus for handling bent. S. D. Cooper. 20,264; Feb. 16.
Refrigerating apparatus. M. W. Fish, and H. F. Clark. 20,268; Feb. 16.
Shaft, Spline. J. L. Matthews and A. C. C. Hansen. 20,270; Feb. 16.
Sheet material, Fibrous. S. B. Nelley. 20,271; Feb. 16.
Shoe and producing same, Complementary insole-outsole combination. F. Sbicca. 20,274; Feb. 16.
Shoes, Making. F. Sbicca. 20,273; Feb. 16.
Table, Traveling work. H. A. Green. 20,269; Feb. 16.

LIST OF PLANT INVENTIONS

Rose. L. Burbank. 235; Feb. 16.

LIST OF DESIGN INVENTIONS

Advertising device. C. Doering. 103,225; Feb. 16.
Aeroplane. J. H. Wendt. 103,289-91; Feb. 16.
Air retarder for an automobile radiator. T. A. Brown. 103,212; Feb. 16.
Blouse. W. Freedman. 103,278; Feb. 16.
Board, Game. H. E. Baack and E. A. Tischer. 103,207; Feb. 16.
Bottle. E. T. Reynolds. 103,287; Feb. 16.
Bottle or similar container. O. E. Beiser. 103,209; Feb. 16.
Box, Battery. R. Le Clercq. 103,238; Feb. 16.
Bread box. M. H. Connor. 103,220; Feb. 16.
Brush and nozzle, Combined. G. E. Lofgren. 103,240; Feb. 16.
Cabinet, Combined ticket mutilating and commodity display. E. V. Richards, Jr. 103,252; Feb. 16.
Cap and pedestal for a collapsible tube, Combined. P. Reinsberg. 103,269; Feb. 16.
Carton or similar article. M. Haessler. 103,229; Feb. 16.
Case, Vanity. F. N. Lewis. 103,239; Feb. 16.
Casing for hose-end meter and valve. J. C. Miller. 103,246; Feb. 16.
Chair. W. H. Bond, Jr. 103,211; Feb. 16.
Chair. F. T. Parrish. 103,249; Feb. 16.
Cleaner, Vacuum. A. A. Stone and C. E. Cook. 103,255; Feb. 16.
Cracker, Crab and lobster. M. W. Lowenstein. 103,242; Feb. 16.
Curler or similar article. M. C. Steichen. 103,254; Feb. 16.
Desk. F. T. Parrish. 103,250; Feb. 16.
Drawer pull. F. McConville. 103,244; Feb. 16.
Dress. L. Bamm. 103,208; Feb. 16.
Dress. T. Coleman. 103,219; Feb. 16.
Dress. I. Kranz. 103,237; Feb. 16.
Dress. D. W. Price. 103,268; Feb. 16.
Fabric, Textile. O. J. Cahn. 103,276; Feb. 16.
Fabric, Textile. A. Gatti. 103,279; Feb. 16.
Fabric, Textile. E. L. Hanson. 103,280; Feb. 16.
Fabric, Textile. M. Turpan. 103,270–4; Feb. 16.
Garment, Bathing. J. Rosenfeld. 103,253; Feb. 16.
Glove. M. Crandall. 103,221; Feb. 16.
Glove. L. J. Maclear. 103,285; Feb. 16.
Goblet or similar article. A. J. Cunningham. 103,277; Feb. 16.
Handle, Tool. E. T. McPherson. 103,245; Feb. 16.
Hood, Bottle. S. H. Berch. 103,266; Feb. 16.
Jug. W. O. Prouty. 103,286; Feb. 16.
Label blank. A. W. Hanley. 103,230; Feb. 16.
Lace. L. Birnbaum. 103,275; Feb. 16.
Lamp. M. Laugbaum. 103,282; Feb. 16.
Mat for infants, Bathing. E. D. Cevasco. 103,216; Feb. 16.
Ornament, Automobile license plate. H. Mooney and W. E. Christensen. 103,247; Feb. 16.
Paper, Decorative. R. F. Hobbs, Jr. 103,281; Feb. 16.
Piano. W. Zaiser. 103,260–2; Feb. 16.
Piano, Upright. H. R. Heller. 103,231; Feb. 16.
Pick, Sea food. M. W. Lowenstein. 103,241; Feb. 16.
Plate or similar article. G. J. Higginson. 103,232; Feb. 16.
Plate or similar article. A. Trarieux. 103,256–7; Feb. 16.
Racket, Table tennis. F. Magnus. 103,243; Feb. 16.
Rug. M. D. Baird. 103,264–5; Feb. 16.
Sandal. G. Del Re. 103,222–3; Feb. 16.
Shade, Lamp. W. Burger. 103,213; Feb. 16.
Sharpener, Pencil. J. Ross. 103,288; Feb. 16.
Shoe. C. H. Caldwell. 103,214–5; Feb. 16.
Shoe. D. S. Cohen. 103,218; Feb. 16.
Shoe. J. Fishman. 103,226; Feb. 16.
Shoe. S. Fradkin. 103,227; Feb. 16.
Shoe. S. J. Waxelbaum. 103,263; Feb. 16.
Shoe. S. Weinstat. 103,283; Feb. 16.
Slipper. G. Del Re. 103,224; Feb. 16.
Spoon or similar article. G. L. Turner. 103,258–9; Feb. 16.
Tank, Storage. H. C. Boardman. 103,210; Feb. 16.
Tank, Storage. G. T. Horton. 103,235; Feb. 16.
Tank, Truck. O. N. Gredell. 103,228; Feb. 16.
Toy or the like, Wind reed musical. H. Pullen. 103,251; Feb. 16.
Tray. A. B. Hoffheimer. 103,233–4; Feb. 16.
Tray and holder, Combined. J. F. Hufnagel. 103,236; Feb. 16.
Tree, Artificial Christmas. B. F. Muldoon. 103,267; Feb. 16.
Tub, Washing machine. R. M. Chesney. 103,217; Feb. 16.
Vehicle. A. R. Pribil. 103,248; Feb. 16.
Weighing device. O. D. Jennings. 103,284; Feb. 16.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article. D. E. Webster. 2,070,764; Feb. 16.
Accordion, Piano. M. H. Berlin. 2,070,853; Feb. 16.
Accounting machine. E. H. Placke. 2,071,141; Feb. 16.
Acid amides, Production of. W. J. Hund and L. Rosenstein. 2,070,991; Feb. 16.
Acid halides, Aryl phosphoric. S. L. Bass. 2,071,017; Feb. 16.
Actuating mechanism for gearing. S. C. Olszewski. 2,070,618; Feb. 16.
Address plate. W. T. Gollwitzer. 2,070,591; Feb. 16.
Air conditioner. R. W. Smith. 2,070,690; Feb. 16.
Air conditioning system. E. W. Roessler. 2,071,178; Feb. 16.
Air-cooled engine. J. G. Dintilhac. 2,070,565; Feb. 16.
Aircraft, Helicopter and rotating wing. W. V. D'A. Rutherford, R. Hafner, and B. Nagler. 2,070,686; Feb. 16.
Aircraft, Rotative wing. R. Hafner. 2,070,657; Feb. 16.
Airplane. A. Schramm. 2,071,221; Feb. 16.
Airplane construction. G. E. Barnhart. 2,070,705; Feb. 16.
Air pressure indicator for tires. E. M. Dobbs. 2,071,256; Feb. 16.
Alcohols, Producing. C. O. Henke and R. G. Benner. 2,070,597; Feb. 16.
Alcohols, Treatment of halogenated polyhydric. H. P. A. Groll and G. Hearne. 2,070,990; Feb. 16.
Alkyl phthalates, Hydrogenation. W. J. Amend. 2,070,770; Feb. 16.
Alloys, Precious metal. A. R. Powell and E. R. Box. 2,071,216; Feb. 16.
Aluminium alloy and product, Treating. F. Keller and C. M. Craighead. 2,070,833; Feb. 16.
Amino-acids readily soluble in water and ammonium sulphate, Separating. W. Gluud and W. Klempt. 2,071,282; Feb. 16.
Amusement apparatus. M. Gensburg. 2,071,117; Feb. 16.
Anal retractor. G. R. Marshall. 2,070,670; Feb. 16.
Anchor, Check hasp. A. L. Knapp. 2,071,074; Feb. 16.
Anode for electron discharge devices. C. S. Bull. 2,070,968; Feb. 16.
Apparatus for disinfecting shoes and the like. L. A. DesJardins and F. R. Fleming. 2,070,858; Feb. 16.
Apparatus for turning in toe and heel caps for footwear. K. Mayer. 2,071,271; Feb. 16.
Arch support, Sock liner. C. H. Stemmons. 2,070,814; Feb. 16.
Arch supporting device. J. D. C. Krüger. 2,071,038; Feb. 16.
Articles for electro-plating, Preparing nonmetallic. R. Peböck and K. Bergstein. 2,070,679; Feb. 16.
Articles with wrappers, Covering. B. A. K. Johnson. 2,070,736; Feb. 16.
Artist's color box. W. L. Killik. 2,071,169; Feb. 16.
Assembling machine and method. J. C. Gibbs. 2,070,653; Feb. 16.
Automatic valve. L. L. Scott. 2,071,143; Feb. 16.
Automobile clearance signal. R. R. Allison and C. A. Steinbeck. 2,071,100; Feb. 16.
Axle drive transmission. G. W. Harper and A. R. Catto. 2,071,165; Feb. 16.
Backfiring release for automatic starting mechanism. W. L. McGrath. 2,070,994; Feb. 16.
Backlash eliminator. E. G. Rochm and W. D. Archea. 2,070,807; Feb. 16.
Bag: *See*—
Dust bag. Moth bag.
Bag and process and device for effecting closures therein. W. W. Rowe. 2,070,685; Feb. 16.
Bag making and filling machine. V. G. Williams. 2,071,244; Feb. 16.
Ball connection. E. E. Jennings. 2,071,126; Feb. 16.
Bailer, Straight bottom dump. R. R. Candee. 2,070,982; Feb. 16.
Baker products, Manufacture of. J. S. Reichert and W. J. Sparks. 2,070,922; Feb. 16.
Balance and counterbalance for crank shafts, Combined. W. C. Trout. 2,071,008; Feb. 16.
Bar for embroidering machines, Implement. M. P. Neubert and O. Mueller. 2,070,914; Feb. 16.
Barge shifter. B. H. Kersting. 2,071,168; Feb. 16.
Basin, Coin controlled automatic sanitary insert. G. V. Riley. 2,071,000; Feb. 16.
Battery: *See*—
Storage battery.
Bearing: *See*—
Whip roll bearing.
Bearing. D. F. Chambers. 2,071,198; Feb. 16.
Bedspring construction. J. Schwartzman. 2,071,275; Feb. 16.
Belt-fastener clinching apparatus. C. E. Draycott. 2,071,029; Feb. 16.
Beverage cooling system and apparatus. M. A. Martin. 2,071,133; Feb. 16.
Bicycle, Motorized. R. B. McMullen, Jr. 2,070,800; Feb. 16.
Binding agent for photographic emulsions and preparing same. B. Bochskandl. 2,070,575; Feb. 16.
Bladder attachment to valves of inflated articles and the like. I. D. Perry. 2,071,213; Feb. 16.
Bleaching. W. Hirschkind. 2,071,305–7; Feb. 16.
Block: *See*—
Brake block. Friction block.
Blower and the like, Rotary. J. Haydock, J. Haythorn, and C. Shorrock. 2,071,258; Feb. 16.
Blowout preventer. E. Burns and H. P. Wickersham. 2,071,197; Feb. 16.
Board: *See*—
Carton board.
Body and fender straightening tool. E. B. George. 2,071,281; Feb. 16.
Boiler. J. Berent. 2,070,559; Feb. 16.
Boiler cleaner tube. F. W. Linaker. 2,070,795; Feb. 16.
Boiler feed water regulator. A. Offutt. 2,070,617; Feb. 16.
Bore holes, Electrically exploring. E. McDermott. 2,070,912; Feb. 16.
Bowl, Yeast separator. N. E. Wvensjö. 2,070,966; Feb. 16.
Box: *See*—
Artist's color box. Novelty box.
Collapsible shipping box.
Box. R. F. Weber. 2,071,096; Feb. 16.
Box making machine. N. A. Anderson. 2,070,704; Feb. 16.
Box packing device for freight cars. E. L. Engblom. 2,070,970; Feb. 16.
Braiding carrier. J. A. Cook. 2,071,111; Feb. 16.
Brake: *See*—
Disk brake. Hand brake.
Brake. A. Y. Dodge and M. W. McConkey. 2,071,297; Feb. 16.
Brake block. E. J. Klemm, Jr. 2,070,947; Feb. 16.
Brake device for Axminster looms, Spool retarding. H. La France. 2,070,835; Feb. 16.
Brake drum. W. D. Sargent. 2,070,847; Feb. 16.
Brake mechanism. J. Sneed. 2,071,144; Feb. 16.
Brake mechanism, Automobile reverse. V. Tinghir. 2,070,698; Feb. 16.
Brake testing apparatus. F. H. Stroud. 2,070,873; Feb. 16.
Braking mechanism. R. Melville. 2,070,614; Feb. 16.
Braking system. C. W. Collins. 2,070,984; Feb. 16.
Breaker for flush valve devices, Vacuum. W. C. Shanley. 2,071,004; Feb. 16.
Bucket and bucket protector. L. G. Copeman. 2,071,112; Feb. 16.
Building, Constructing. S. F. L. Vallet. 2,070,937; Feb. 16.
Burner: *See*—
Radiant cell gas burner.
Butadienes and chlorinated derivatives thereof. I. E. Muskat. 2,070,609; Feb. 16.
Cabinet, Article delivery. J. D. Lloyd. 2,071,040; Feb. 16.
Cabinet, Wall. H. Bartels. 2,070,641; Feb. 16.
Cable, Oil filled. R. W. Atkinson and D. M. Simons. 2,071,102; Feb. 16.
Cable system and joint therefor, Electric. F. C. Meyer. 2,070,974; Feb. 16.
Calculating machine, Electric. R. E. Boutet. 2,070,824; Feb. 16.
Cam operated machine. L. E. Topham. 2,070,633; Feb. 16.
Can forming and sizing machine. P. Kruse. 2,070,906; Feb. 16.
Caps, Making spring retaining. J. R. Cox. 2,070,784; Feb. 16.
Car, Parking. M. A. Kent. 2,070,792; Feb. 16.
Car, Refrigerator. R. C. Pierce. 2,071,236; Feb. 16.
Carbon dioxide cake forming machine, Solid. R. Hill. 2,071,302; Feb. 16.
Carbonization or heat treatment of solid materials, Apparatus for the. S. R. Illingworth. 2,071,071; Feb. 16.
Carburetor control for automobiles. G. Ajdukovich. 2,071,014; Feb. 16.
Carburetor or the like. R. W. Litzinger. 2,070,992; Feb. 16.

Carburetor, Pressure feed. J. Hewitson. 2,070,598; Feb. 16.
Carrier: *See*—
Braiding carrier.
Carrier for photographic sensitized material. N. P. Billing. 2,070,778; Feb. 16.
Carton board, Identifiable. C. C. Colbert and L. C. Daly. 2,071,025; Feb. 16.
Carton closing machine. L. Benoit and C. C. Moth. 2,071,247; Feb. 16.
Case: *See*—
Light equipped vanity case
Casting device, Safety. C. Park. 2,070,975; Feb. 16.
Casting of magnesium and its alloys. F. Badger. 2,070,821; Feb. 16.
Catalytic reaction vessels, Packing. H. H. Smith. 2,070,868; Feb. 16.
Catapult. C. D. Feight. 2,070,721; Feb. 16.
Cellulose from ligno-cellulosic products, Manufacture of. H. Dreyfus. 2,070,585; Feb. 16.
Cellulose solutions. D. H. Powers and L. H. Bock. 2,070,999; Feb. 16.
Cellulosic structures and preparing same. P. M. Clark. 2,071,024; Feb. 16.
Cement and plaster material. J. W. Phillips. 2,071,263; Feb. 16.
Chair: *See*—
Lawn chair.
Charge forming device for internal combustion engines. C. A. French. 2,071,116; Feb. 16.
Cheese-protecting device. W. L. Everly. 2,070,829; Feb. 16.
Chemical manufacture. M. C. Taylor. 2,071,091; Feb. 16.
Chemical manufacture. G. P. Vincent. 2,071,094; Feb. 16.
Chocolate masses, Refining. A. Beck. 2,070,558; Feb. 16.
Chuck, Centering and compensating. P. P-G. Hall. 2,070,897; Feb. 16.
Chuck, Centering and compensating. W. P-G. Hall and P. P-G. Hall. 2,070,898; Feb. 16.
Cigarette package. W. W. Kellett. 2,071,167; Feb. 16.
Circuit, Audio frequency transmission. P. O. Farnham. 2,070,971; Feb. 16.
Circuit breaker. B. P. Baker. 2,071,157; Feb. 16.
Circuit breaker, Electric. C. Thumim. 2,071,185; Feb. 16.
Circuit, Frequency selective transmission. A. J. Grossman. 2,070,656; Feb. 16.
Circuit interrupter. E. F. Beck. 2,071,158; Feb. 16.
Circuit, Oscillatory. H. O. Peterson. 2,070,681; Feb. 16.
Circuit, Supervisory. H. C. Grant, Jr. 2,071,283; Feb. 16.
Circuit, Thermionic relay. L. H. Harris. 2,070,900; Feb. 16.
Circuits and valves therefor, Hydraulic press operating. W. Ernst. 2,070,720; Feb. 16.
Circuits, Crystal oscillator. A. M. Braaten. 2,070,647; Feb. 16.
Circulating liquid cooler. R. O. White. 2,071,188; Feb. 16.
Cleaner: *See*—
Grain cleaner. Vaccum cleaner.
Suction cleaner. Windshield cleaner.
Cleaning and polishing device. G. G. Davis. 2,070,712; Feb. 16.
Cleaning compositions, Dry. A. A. Levise. 2,070,908; Feb. 16.
Clip or clasp, Hair. A. M. Whitney. 2,070,939; Feb. 16.
Clock, World. H. Schlacht. 2,070,687; Feb. 16.
Clothes washing machine. R. B. Morrison. 2,070,863; Feb. 16.
Clutch: *See*—
Magnetic clutch.
Clutch. J. Zarb. 2,071,245; Feb. 16.
Coal, shale, peat, wood and other suitable fragmentary solid and/or semisolid materials, Apparatus for the distillation, calcination, or heat treatment of. S. Moore. 2,071,082; Feb. 16.
Coating. H. Jenett. 2,070,600; Feb. 16.
Code signaling. R. E. Mathes. 2,070,950; Feb. 16.
Coiling machine, Universal. H. N. Neidt. 2,071,137; Feb. 16.
Coils and condensers, Apparatus for testing ignition. I. L. Brick. 2,071,279; Feb. 16.
Collapsible shipping box. C. A. Gehret. 2,071,228; Feb. 16.
Collet, Feed. P. E. Nolan. 2,071,138; Feb. 16.
Color of wood pulp, Improving the. H. B. Glass. 2,070,893; Feb. 16.
Color photography. H. Weberling. 2,071,010; Feb. 16.
Colors and apparatus used therewith, Reproducing. F. J. Meininger. 2,071,136; Feb. 16.
Comb. L. K. Wolfe. 2,071,150; Feb. 16.
Compass, Gyroscopic. O. Richter. 2,070,923; Feb. 16.
Compensator, Electric. L. Batchelder. 2,070,570; Feb. 16.
Composition of matter. E. W. Reid. 2,070,962; Feb. 16.
Compounds containing metal abietates, Therapeutical. A. L. Omohundro and E. C. Fanto. 2,070,915; Feb. 16.
Compressor valve. W. W. Higham. 2,070,659; Feb. 16.
Concrete slab and core therefor, Reenforced. A. M. and J. I. Bowman. 2,070,577; Feb. 16.
Condensation polymers, Linear. W. H. Carothers. 2,071,250; Feb. 16.
Condensation polymers, Linear. W. H. Carothers. 2,071,253; Feb. 16.
Condenser: *See*—
Dry electrolytic condenser.
Condenser for air conditioning systems. P. Crosley, Jr. 2,071,026; Feb. 16.
Conductor system, Coaxial. T. M. Odarenko. 2,070,678; Feb. 16.
Connecter: *See*—
Electrical connecter. Plug connecter.
Connection, Self cutting wire. J. K. Dobbs. 2,070,566; Feb. 16.
Container: *See*—
Freight container. Metal container.
Insulated food container.
Container. A. P. and J. Costa, Jr. 2,070,711; Feb. 16.
Container. C. P. Reis. 2,071,219; Feb. 16.
Container and making same, Special. L. A. Becker and A. A. Spisak. 2,071,018; Feb. 16.
Container and spout construction. G. O. Conner. 2,070,783; Feb. 16.
Container forming and filling machine. M. J. Milmoe. 2,071,081; Feb. 16.
Container with rotatable spout. F. J. O'Brien and H. A. Fink. 2,070,745-6; Feb. 16.
Containers for packages, Method of and apparatus for forming. G. Örström. 2,070,838; Feb. 16.
Control of operating mechanism for Scotch hearths. H. R. MacMichael. 2,070,911; Feb. 16.
Control surface. L. E. Root. 2,070,809; Feb. 16.
Control, System of automatic anticipatory. A. S. Reynolds. 2,071,142; Feb. 16.
Controlling apparatus for highway crossing signals. H. C. Vantassel. 2,071,052; Feb. 16.
Controlling apparatus for highway crossing signals. C. L. Willson. 2,071,054; Feb. 16.
Conveyer, Belt. B. Beardsley and M. Creedon. 2,070,822; Feb. 16.
Conveyer system. H. R. Perry and C. S. Jennings. 2,070,917; Feb. 16.
Cooler. C. Meldau. 2,070,951; Feb. 16.
Coping. A. Durr. 2,071,226; Feb. 16.
Costumer. G. Loucks. 2,071,132; Feb. 16.
Cotton drier. J. A. Streun. 2,071,049; Feb. 16.
Counterbalance for crankshafts. W. C. Trout. 2,071,007; Feb. 16.
Counterbalance, Mechanically operated. W. C. Trout. 2,071,009; Feb. 16.
Coupling: *See*—
Draft coupling.
Elevator roller drive coupling.
Cover: *See*—
Handle and lock cover. Tire cover.
Radiator grille cover.
Cover construction for containers. G. F. Brawn. 2,070,881; Feb. 16.
Cover for food pans, Protective. C. W. Klein, L. Esterow, and A. Klein. 2,070,663; Feb. 16.
Crane, Locomotive. J. R. McGiffert and N. Huber. 2,071,135; Feb. 16.
Crib. W. M. Archer. 2,071,016; Feb. 16.
Crosstalk reduction in communication systems. H. Nyquist. 2,070,744; Feb. 16.
Crotch construction for trousers. J. Siegel. 2,070,965; Feb. 16.
Cultivator attachment for tractors. W. S. Graham. 2,071,118; Feb. 16.
Current-collector mechanism for electrically propelled vehicles. M. F. L. A. Aymard. 2,071,223; Feb. 16.
Current into a series of impulses, Translation of modulated electric. M. L. D. McFarlane. 2,070,913; Feb. 16.
Cutter: *See*—
Pipe cutter.
Cutting machine. V. V. Colby. 2,070,885; Feb. 16.
Cutting machine. O. Wennberg. A. E. Wegner, and C. C. Spadone. 2,071,097; Feb. 16.
Cutting tool. G. S. Madsen. 2,070,786; Feb. 16.
Cylinder. V. W. Peterson. 2,070,805; Feb. 16.
Cylinder, Compensating master. H. C. Bowen. 2,071,059; Feb. 16.
Deck for tanks, Floating. C. A. Ellis and W. F. Edwards. 2,070,828; Feb. 16.
Delivery device for duplicating machines. W. Ritzerfeld. 2,070,684; Feb. 16.
Demountable bodies, Device for resiliently positioning. R. A. Norbom. 2,070,613; Feb. 16.
Denture. W. Artzt. 2,070,771; Feb. 16.
Deoxidation control. A. Hayes and J. J. Canfield. 2,070,901; Feb. 16.
Design in stone, Producing an ornamental. R. B. Perry. 2,071,086; Feb. 16.
Detection, Means for and method of. S. Ballantine. 2,070,640; Feb. 16.
Device for measuring the elastic properties of materials. H. J. Henning. 2,070,731; Feb. 16.
Diaphragm and making same, Expansible. W. A. Reichel. 2,070,751; Feb. 16.
Dictating machine. T. H. Beard and J. E. Renholdt. 2,071,278; Feb. 16.
Differential pressure operated instrument. G. H. Wotring. 2,071,191; Feb. 16.

Direction finding system, Wireless. H. M. Dowsett, L. E. Q. Walker, and R. Cadzow. 2,070,651; Feb. 16.
Discharge tube, Gas filled. C. J. R. H. von Wedel. 2,070,816; Feb. 16.
Dish rack. H. J. Dick, Jr. 2,070,826; Feb. 16.
Disk brake. W. Blatt. 2,071,107; Feb. 16.
Display card holder. F. E. Elmer. 2,070,652; Feb. 16.
Display device. S. Alexander. 2,071,155; Feb. 16.
Display device. J. M. Scriba. 2,071,290; Feb. 16.
Display device. E. D. Thompson. 2,071,288; Feb. 16.
Display method and apparatus. M. M. Frocht. 2,070,787; Feb. 16.
Distillation. E. G. Ragatz. 2,070,864; Feb. 16.
Doctor blade mechanism for intaglio printing machines. F. G. Lougee. 2,070,667; Feb. 16.
Dome for planetarium or the like, Sheet metal. D. Van Horn. 2,071,093; Feb. 16.
Door construction, Overhead. D. M. Robinson. 2,070,845; Feb. 16.
Door, Garage. H. A. Finke. 2,070,722; Feb. 16.
Door hinge, Refrigerator. E. North. 2,071,085; Feb. 16.
Door, Metallic. W. S. Snead. 2,070,812; Feb. 16.
Door, Overhead acting. M. L. Cornell and R. K. Bennett. 2,071,161; Feb. 16.
Door stay construction. H. E. Hubbs. 2,071,203; Feb. 16
Draft coupling. W. E. Claus. 2,070,884; Feb. 16.
Drain, Floor. E. W. N. Boosey. 2,071,160; Feb. 16.
Drier: *See*—
Cotton drier.
Drier for sheet material. J. H. Connor and M. M. Merritt. 2,071,296; Feb. 16.
Drink mixer. K. E. Bemis. 2,070,776; Feb. 16.
Drive for mechanical stokers, Variable speed. J. S. Skelly. 2,070,756; Feb. 16.
Drive, Push bench. K. Korbuly. 2,071,208; Feb. 16.
Dry electrolytic condenser. M. Bergstein. 2,071,103-4; Feb. 16.
Duplicating machine, Multiple roll. A. Marchev, J. W. Hernlund, and C. C. McCain. 2,070,797; Feb. 16.
Dust bag. C. C. Muentener. 2,070,674; Feb. 16.
Dust guard assembly. L. A. Rowe. 2,070,865; Feb. 16.
Dyestuff preparation in powder form especially suitable for printing, Vat. C. Krauss and M. Pommer. 2,070,739; Feb. 16.
Dyestuffs, Azo. E. E. Misslin and R. von Capeller. 2,070,997; Feb. 16.
Dyestuffs of the pyrone series. H. Krzikalla and P. Garbsch. 2,071,130; Feb. 16.
Dynamo and drive therefor. C. De Los Rios. 2,070,843; Feb. 16.
Dynamo-electric machine frame. L. B. Ehrlich. 2,070,718; Feb. 16.
Egg candling and sizing machine. W. C. Wyland. 2,070,980; Feb. 16.
Electric block for medical heat treatments, Chemically filled. F. Tofano. 2,071,186; Feb. 16.
Electric gasoline heater. W. White. 2,070,635; Feb. 16.
Electric switch. W. R. Price. 2,070,683; Feb. 16.
Electric switch. G. O. Wilms and H. Petersen. 2,071,149; Feb. 16.
Electrical connecter. J. A. C. Galvao. 2,071,164; Feb. 16.
Electrical connecter. H. H. Rudd. 2,071,002; Feb. 16.
Electrical control. L. M. Goldsmith. 2,070,590; Feb. 16.
Electrical device. J. A. Becker. 2,070,644; Feb. 16.
Electrical energy by operating gas batteries, particularly oxy-hydrogen gas batteries and electrolyzers, Producing, storing, and distributing. H. Niederreither. 2,070,612; Feb. 16.
Electrical indicating apparatus. J. W. McDonnell. 2,070,743; Feb. 16.
Electrical switch. W. C. Edwards. 2,070,717; Feb. 16.
Electrical switch. R. E. Frost. 2,070,891; Feb. 16.
Electrolytic cell. J. J. Moynihan. 2,070,801; Feb. 16.
Electrolytic cell. H. Philipp. 2,071,087; Feb. 16.
Electron discharge device. P. L. Spencer. 2,070,691; Feb. 16.
Electronic relay. S. N. Baruch. 2,071,057; Feb. 16.
Elevator roller drive coupling. C. F. Crumb and G. Hummer. 2,071,174; Feb. 16.
Engine: *See*—
Air cooled engine. Oil engine.
Internal combustion engine. Rotary combustion engine.
Engine. J. H. Geisse. 2,070,588; Feb. 16.
Engine governing system. J. L. Taylor. 2,070,933; Feb. 16.
Engine starting system. K. F. Douglas. 2,071,028; Feb. 16.
Engine throttle control. S. R. Puffer. 2,071,177; Feb. 16.
Engines, Operating apparatus for internal combustion. V. E. Plante. 2,070,615; Feb. 16.
Envelope, Collection. C. Taylor. 2,070,931; Feb. 16.
Ethane, Nitrating. H. B. Hass and E. B. Hodge. 2,071,122; Feb. 16.
Ethers of cellulose and producing, Aralkyl. E. J. Lorand. 2,071,287; Feb. 16.
Ethers, Preparing aliphatic-aromatic. W. L. Semon and R. V. Yohe. 2,070,848; Feb. 16.
Extract of coffee, Making a concentrated. G. L. Wendt. 2,071,011; Feb. 16.
Fabric, Multicoloring a. C. Emmey. 2,071,163; Feb. 16.
Fastener for fabric edges joining in a curved line, Sliding clasp. F. Schatzky. 2,070,753; Feb. 16.
Feeding attachment for printing presses. W. D. Berry. 2,070,572; Feb. 16.
Fertilizer and seed feed attachment for drills. H. J. Kemp. 2,071,037; Feb. 16.
Fertilizer, Guanidine phosphate. H. A. Curtis. 2,070,581; Feb. 16.
Fertilizer, Manufacture of. H. L. Hartenstein. 2,070,658; Feb. 16.
Fertilizers, Producing. G. Trömel. 2,070,697; Feb. 16.
Fiber and producing it. W. H. Carothers. 2,071,251; Feb. 16.
Fibrous materials, Treatment of artificial. H. Dreyfus. 2,070,716; Feb. 16.
Filaments and other products containing organic derivatives of cellulose, Manufacture of artificial. P. F. C. Sowter. 2,070,630; Feb. 16.
Filaments, threads, ribbons, and the like, Production and treatment of artificial. H. Dreyfus. 2,070,584; Feb. 16.
Fillers, Method and apparatus for making. G. F. Ford and W. F. Pittman. 2,070,723; Feb. 16.
Filling machine and filling containers. W. E. Urschel. 2,071,006; Feb. 16.
Film pack structure. J. L. Burke. 2,071,110; Feb. 16.
Films, Manufacture of laminated. D. W. Hansen. 2,070,596; Feb. 16.
Filter: *See*—
Gas filter.
Fire escape. C. M. Cochran. 2,070,580; Feb. 16.
Fire extinguisher. F. M. Engard and A. J. Earl. 2,070,942; Feb. 16.
Fishing lure. M. and W. Seigle. 2,070,755; Feb. 16.
Fixture support. G. Arras. 2,070,877; Feb. 16.
Flare support. C. B. Brown. 2,070,882; Feb. 16.
Flat tire indicator. A. J. Barnhart and R. F. Essert. 2,070,981; Feb. 16.
Fluid meter. H. L. Blum. 2,070,879; Feb. 16.
Fluid pump. H. E. Hubbard. 2,070,791; Feb. 16.
Fluid regulator. J. H. Frickle. 2,070,724; Feb. 16.
Fluid samples from drilled wells, Obtaining. G. A. Macready. 2,070,836; Feb. 16.
Fluid turbine arrangements, Extraction elastic. E. D. Dickinson, F. R. Ericson, and P. G. Whittier. 2,071,199; Feb. 16.
Folding clothes hook. F. Hansen. 2,071,257; Feb. 16.
Food products, Apparatus for cooling and freezing. C. A. Harsch and D. A. Fingerhooth. 2,070,729; Feb. 16.
Food products, Preserving perishable. J. R. Gammeter. 2,071,300; Feb. 16.
Footwear. E. B. Ward. 2,071,146; Feb. 16.
Foundation columns, Apparatus for forming concrete. E. A. Smith. 2,071,047; Feb. 16.
Foundation columns, Preparation of. E. A. Smith. 2,071,046; Feb. 16.
Founding device. A. V. Damberg and C. Cady. 2,070,564; Feb. 16.
Frame: *See*—
Dynamo electric machine frame. Heddle frame.
Framework arrangement. J. Gillberg. 2,070,655; Feb. 16.
Freewheel device for eliminating the reaction effects of a differential gear. G. Roès. 2,070,752; Feb. 16.
Freight container. B. F. Fitch. 2,070,586; Feb. 16.
Frequency determining system. H. O. Peterson. 2,070,958; Feb. 16.
Friction block. G. W. Nickerson. 2,070,954; Feb. 16.
Fruit prongs. P. Petersen. 2,070,976; Feb. 16.
Fuel injector for Diesel engines. T. Rupprecht. 2,071,237; Feb. 16.
Fuel-oil supply system. J. L. Taylor. 2,070,932; Feb. 16.
Fuels, Stabilization of motor. F. B. Downing and R. G. Clarkson. 2,071,064; Feb. 16.
Fumigating package. H. K. McConnell. 2,071,171; Feb. 16.
Fur, Carroting. J. D. Sartakoff. 2,070,927; Feb. 16.
Furnace construction. H. Heitman. 2,071,069; Feb. 16.
Furnace for heating materials under sustained pressure. P. R. Church and H. C. Ratean. 2,070,983; Feb. 16.
Furnaces, Mechanical operation of smelting. H. R. MacMichael. 2,070,910; Feb. 16.
Fuse construction, Drop-out. A. G. Steinmayer. 2,070,759; Feb. 16.
Fuse for projectiles, Regulatable. P. Girard. 2,070,788; Feb. 16.
Game. M. K. Akers. 2,071,014; Feb. 16.
Game. R. Mitchell. 2,070,608; Feb. 16.
Game, Racing. J. B. Leighton. 2,070,605; Feb. 16.
Garage system. M. A. Kent. 2,070,793; Feb. 16.
Garment hanger. J. H. Moore. 2,070,673; Feb. 16.
Gas burning apparatus. C. F. Carroll and A. O. Willey. 2,070,969; Feb. 16.
Gas filter. R. Strindberg. 2,070,872; Feb. 16.
Gas purification process. J. D. Price. 2,070,620; Feb. 16.
Gas rack. H. W. Jennings. 2,070,904; Feb. 16.
Gases and exhaust gases from internal combustion engines, Process and apparatus for treating furnace. J. Harger. 2,071,119; Feb. 16.
Gasket, Coated. R. O. Peterson. 2,070,918; Feb. 16.
Gate operating means. W. I. Golden. 2,070,789; Feb. 16.
Gear: *See*—
Steering gear.
Gear mechanism. B. W. Benbow. 2,070,777; Feb. 16.

Gearing, Automotive differential. F. H. Asam. 2,070,569; Feb. 16.
Generator: *See*—
High voltage generator.
Glass articles, Method and apparatus for the manufacture of hollow. E. G. Bridges. 2,071,295; Feb. 16.
Grain cleaner. C. Schneider. 2,071,267; Feb. 16.
Grate. G. J. Gorsuch. 2,070,894; Feb. 16.
Grease. L. C. Brunstrum and E. W. Adams. 2,070,781; Feb. 16.
Guide, Pipe cutter. W. M. Paterson. 2,071,273; Feb. 16.
Gun sight. J. P. Caty. 2,071,066; Feb. 16.
Hacksaw support and guide. E. G. Jaques. 2,070,735; Feb. 16.
Hand brake. H. E. Bartsch. 2,071,269; Feb. 16.
Handle and lock cover. J. Parisoe. 2,070,955; Feb. 16.
Hanger: *See*—
Garment hanger.
Hanger adapter, Adjustable. C. A. Cawood and L. Johnston. 2,070,883; Feb. 16.
Heat exchanger. J. M. Barclay and J. B. Forbes. 2,071,277; Feb. 16.
Heater: *See*—
Electric gasoline heater.
Heater switch. H. Hubbell, Jr. and C. E. Avery. 2,070,599; Feb. 16.
Heating apparatus. R. Payson. 2,070,804; Feb. 16.
Heddle frame. G. F. Baham. 2,070,556; Feb. 16.
Helicopter. G. F. Myers. 2,070,610; Feb. 16.
High voltage generator. N. E. Lindenblad. 2,070,972; Feb. 16.
Hinge: *See*—
Door hinge.
Hinge. T. E. Horst. 2,071,070; Feb. 16.
Hinge construction for eyeglass cases and the like. R. M. Dugdale. 2,070,827; Feb. 16.
Hinge structure. H. H. Bartel. 2,070,557; Feb. 16.
Holder: *See*—
Display card holder.
Key holder.
Tie and collar holder.
Honing tool. K. W. Connor, G. M. Calvert, and A. Bleasdale. 2,070,985; Feb. 16.
Hook: *See*—
Folding clothes hook.
Horn, Acoustic. A. I. Abrahams. 2,071,153; Feb. 16.
Horsepower meter. W. A. Reichel, C. H. Havill, and M. F. Ketay. 2,070,842; Feb. 16.
Hose and sprinkler, Combined. R. J. Lepper. 2,070,665; Feb. 16.
Hum in push-pull circuits, Eliminating. A. C. Ansley. 2,070,772; Feb. 16.
Humidifier, Portable. H. H. Hanft. 2,070,728; Feb. 16.
Hydraulic machine. G. A. Jessop and T. Norbom. 2,070,601; Feb. 16.
Hydrolysis of mixed organic acid esters of cellulose, Selective. W. O. Kenyon and R. H. Van Dyke. 2,070,602; Feb. 16.
Ice making machine. C. F. Harold. 2,070,943; Feb. 16.
Icing, Means for dry. R. Hill. 2,071,303; Feb. 16.
Illumination. J. D. Whittaker. 2,070,700; Feb. 16.
Indicating device. L. A. Hyland. 2,071,284; Feb. 16.
Indicator: *See*—
Flat tire indicator.
Inkstand and the like. F. S. Barbiers. 2,071,276; Feb. 16.
Insectifuge and insecticide. L. B. Kilgore. 2,070,603; Feb. 16.
Instrument for correcting eyes. R. A. Sherman. 2,070,849; Feb. 16.
Insulated food container. C. I. Justheim. 2,070,905; Feb. 16.
Insulated material and making the same. C. Dreyfus. 2,070,714; Feb. 16.
Insulator. R. D. Jones. 2,071,231; Feb. 16.
Internal combustion engine. F. Jehle. 2,071,125; Feb. 16.
Internal combustion engine. B. Read. 2,070,806; Feb. 16.
Internal combustion engine. K. Thomas. 2,071,241; Feb. 16.
Internal combustion engine. C. W. Van Ranst. 2,071,051; Feb. 16.
Internal combustion engine. A. R. Wurtele. 2,070,769; Feb. 16.
Internal combustion engine, Rotary. M. Smuderland. 2,070,631; Feb. 16.
Iron, Duplex electric waffle. B. A. Benson. 2,070,706; Feb. 16.
Ironing machine. J. W. Racklyeft. 2,071,264; Feb. 16.
Ironing machine. N. H. Watts. 2,071,187; Feb. 16.
Jack: *See*—
Variable ratio jack.
Jack. R. F. Phillips. 2,070,960; Feb 16.
Jacket with automatic electric lighting unit, Lifesaving. G. A. F. Winckler. 2,070,818; Feb. 16.
Joint for roadways. J. R. Gammeter. 2,071,299; Feb. 16.
Key holder. M. C. Brandt. 2,071,021; Feb. 16.
Knife adjustment and locking device, Machine. C. E. G. Aff. 2,071,055; Feb. 16.
Knife for sugar cane mills or the like. A. Smith. 2,070,959; Feb. 16.
Knitting. E. R. Pace. 2,071,289; Feb. 16.
Knitting machine, Circular. C. H. Wainwright. 2,070,762; Feb. 16.
Knob or handle for bar beer taps or the like. C. F. Mitchel. 2,070,952; Feb. 16.
Lamp supporting and cord extension reel. J. J. Cantor. 2,070,561; Feb. 16.
Laryngoscope. W. N. Allyn. 2,070,820; Feb. 16.
Lathe, Electrically controlled and operated. R. D. Shaw. 2,071,180; Feb. 16.
Lawn chair. H. E. Nolan. 2,071,084; Feb. 16.
Lens grinding and polishing machine. L. L. Houchin. 2,070,733; Feb. 16.
Light equipped vanity case. M. J. Davis. 2,070,857; Feb. 16.
Light reflecting sign. E. H. Branson. 2,071,294; Feb. 16.
Lighting construction. R. B. Benjamin. 2,071,159; Feb. 16.
Lighting fixture. C. W. Brown. 2,071,108; Feb. 16.
Lighting fixture, Interchangeable shaded wall. J. R. Marsh. 2,070,973; Feb. 16.
Lined concrete pipe. H. Eschenbrenner. 2,070,888; Feb. 16.
Liquid dispensing apparatus. E. H. Bradley. 2,070,560; Feb. 16.
Liquid dispensing device. G. G. Reid. 2,071,218; Feb. 16.
Liquid filling machine. R. E. J. Nordquist. 2,070,616; Feb. 16.
Liquid from metal containers, Device for withdrawing. H. Squires. 2,070,930; Feb. 16.
Liquid gauging device. J. M. Summers. 2,071,145; Feb. 16.
Liquid handling mechanism. C. W. Reade and H. T. Scott. 2,070,841; Feb. 16.
Liquid mixing device. J. S. Watts. 2,071,095; Feb. 16.
Liquids, Method and apparatus for heating and deaerating. J. R. McDermet. 2,071,134; Feb. 16.
Liquors, Treating pulp mill waste cooking. G. H. Tomlinson. 2,070,632; Feb. 16.
Lock. P. E. Stone. 2,070,692; Feb. 16.
Lock. M. Troy. 2,071,092; Feb. 16.
Lock and latch, Combined. J. E. Price. 2,070,619; Feb. 16.
Locomotive, Electric. E. Gray. 2,070,895; Feb. 16.
Loom: *See*—
Shuttleless loom.
Lubricating system. C. E. Stewart and A. J. Johnston. 2,071,184; Feb. 16.
Lubrication. J. Bijur. 2,070,574; Feb. 16.
Machine for cutting, folding, and stacking labels. E. J. Hubelmeyer. 2,071,123; Feb. 16.
Machine for handling sheets of material, labels, and the like. P. W. Fleischer. 2,071,115; Feb. 16.
Machine for making fastener strips. C. W. Hinman. 2,070,902; Feb. 16.
Machine for printing money values. E. J. Ward. 2,070,763; Feb. 16.
Machine tool, Thermally conditioned. B. Sassen. 2,070,811; Feb. 16.
Magnetic clutch. R. H. Stearns and H. W. Harman. 2,070,813; Feb. 16.
Magnetic induction motor. F. J. Hammes. 2,070,790; Feb. 16.
Magnifying and viewing device. J. H. Harlow. 2,071,120; Feb. 16.
Magnifying glass and tongs, Combination. E. G. Mason. 2,070,798; Feb. 16.
Manifolding device. E. K. Bottle. 2,070,707; Feb. 16.
Marble game apparatus. F. Kochler. 2,070,948; Feb. 16.
Marking device. H. A. Scholz. 2,071,003; Feb. 16.
Mat, Ski. R. E. Ashley. 2,071,222; Feb. 16.
Material in sheet or web form, Method of and apparatus for drying. B. R. Andrews. 2,071,015; Feb. 16.
Meat product. F. W. Trabold. 2,070,850; Feb. 16.
Mechanism for reconditioning tennis balls. H. D. Jamieson. 2,070,989; Feb. 16.
Melting means for type-setting machines, Auxiliary. M. Klingenberger. 2,071,073; Feb. 16.
Members of dredging, elevating, conveying, and like apparatus, Pin-coupled. J. S. Whittaker. 2,070,765; Feb. 16.
Mercaptans, Production of. L. von Szeszich. 2,070,761; Feb. 16.
Mercury switch. C. H. Larson. 2,070,741; Feb. 16.
Metal article and joining the parts thereof, Composite. C. M. Underwood and A. L. Van Nest. 2,071,050; Feb. 16.
Metal blanks, Forging hollow. E. Giacchino. 2,070,589; Feb. 16.
Metal container. J. W. Fay. 2,071,030; Feb. 16.
Metal container. C. Schmidt. 2,071,265; Feb. 16.
Metal container, Lock top. C. Schmidt. 2,071,266; Feb. 16.
Metal during grinding or polishing, Device to prevent buckling of sheet. S. O. Hanna. 2,071,033–4; Feb. 16.
Metal recovery process. R. E. Hulse. 2,071,124; Feb 16.
Metals, Brightening. D. B. Stockton. 2,070,871; Feb. 16.
Meter: *See*—
Fluid meter.
Horsepower meter.
Multiple meter.
Photoelectric exposure meter.
Meter having a plurality of constants, Calibrating. E. Reich and F. Zipernovszky. 2,071,217; Feb. 16.
Methylamines, Production of. P. Herold and K. Smeykal. 2,071,301; Feb. 16.
Mill: *See*—
Rolling mill.
Mining machine. T. E. Pray. 2,070,920; Feb. 16.

Mixer: *See*—
Drink mixer.
Mixer. H. C. Wright. 2,070,768; Feb. 16.
Modulating system. F. B. Llewellyn. 2,070,666; Feb. 16.
Molding machine. D. M. Joues. 2,070,945; Feb. 16.
Motor: *See*—
Magnetic induction motor.
Shaded pole induction motor.
Moth bag. G. Rottman. 2,071,088; Feb. 16.
Mount, Airplane engine. F. R. Canney. 2,070,782; Feb. 16.
Mount for cameras, Adjustable lens. G. L. Coursen. 2,071,061; Feb. 16.
Mounting, Engine. S. S. Rathbun. 2,070,621; Feb. 16.
Mounting for vehicle wheels. F. B. Bell. 2,070,775; Feb. 16.
Mounting, Ophthalmic. W. S. Searles. 2,071,045; Feb. 16.
Mounting, Ophthalmic. G. W. Walter. 2,070,938; Feb. 16.
Mounting "oxford", Opthalmic. T. E. Bosworth. 2,071,058; Feb. 16.
Mounting, Rotary spindle. A. M. Drake. 2,071,200; Feb. 16.
Mounting, Windshield. A. E. Northup. 2,070,676; Feb. 16.
Mower, Lawn. G. W. Davis and W. C. Davis. 2,071,162; Feb. 16.
Multiple hose reel. C. R. Parker. 2,071,174; Feb. 16.
Multiple meter. H. L. Blum. 2,070,880; Feb. 16.
Mutoscope, Projection. W. Rabkin. 2,070,840; Feb. 16.
Nail and forming same, Sheet metal. A. B. Wilson. 2,070,766; Feb. 16.
Noiseless device. H. L. Adams. 2,071,012; Feb. 16.
Novelty box. E. B. Strickler. 2,060,693; Feb. 16.
Nozzle for vacuum cleaners, Flexible. W. Leathers. 2,071,077; Feb. 16.
Nozzle, Illuminated filling. H. C. Todd and P. R. Todd. 2,071,242; Feb. 16.
Nozzle, Suction. F. J. R. Karlstrom. 2,070,834; Feb. 16.
Oakwood for the aging of spirituous liquors, Treating. E. T. Krebs and E. T. Krebs, Jr. 2,070,794; Feb. 16.
Oil engine. C. L. Cummins. 2,071,062; Feb. 16.
Oil gasification process. A. Johnson and C. E. Hemminger. 2,071,286; Feb. 16.
Oil gasification process and apparatus. A. Johnson. 2,071,285; Feb. 16.
Oil, Oxidation refining of lubricating. B. H. Shoemaker. 2,070,627; Feb. 16.
Oil refining, Lubricating. C. E. Adams. 2,070,567; Feb. 16.
Oil temperature regulator. E. Blair. 2,071,106; Feb. 16.
Oil well device. L. S. Sorensen. 2,070,869; Feb. 16.
Oils, Converting hydrocarbon. A. G. Peterkin, Jr. 2,070,680; Feb. 16.
Oils, Treating and reclaiming lubricating. B. H. Shoemaker. 2,080,626; Feb. 16.
Oral preparation. F. W. Nitardy. 2,071,043; Feb. 16.
Oscillating mechanism for fans. V. Weber. 2,070,875; Feb. 16.
Oscillator and detector, Micro-wave. E. G. Linder. 2,071,311; Feb. 16.
Oven for low or medium temperature coking, Coking retort. W. Fitz. 2,070,587; Feb. 16.
Pad for springless hernia bandages, Elastic. F. A. Hunnam. 2,070,727; Feb. 16.
Palm, Artificial. W. Buhrow. 2,070,825; Feb. 16.
Panel and baffle for radio loudspeakers, Sound distributing. W. J. Maxwell. 2,071,170; Feb. 16.
Paper, Making. E. W. Smith. 2,070,757; Feb. 16.
Paper-shaking machine. E. W. Smith. 2,070,929; Feb. 16.
Particles from gases, Apparatus and method for removing. R. G. Bowman. 2,070,578; Feb. 16.
Paying and money changing device. H. Samuelsen and J. de R. Kielland. 2,070,846; Feb. 16.
Pectin solutions, Purification of. V. E. Speas, N. M. Mnookin and A. C. Metcalf. 2,070,870; Feb. 16.
Peel, Baker's. H. L. Schroeder. 2,070,928; Feb. 16.
Pencil, Mechanical. J. Mellner. 2,071,172; Feb. 16.
Pessary. F. L. Campbell. 2,071,248; Feb. 16.
Petroleum distillates, Treating cracked. J. P. Smoots. 2,070,978; Feb. 16.
Photoelectric exposure meter. H. Klippenbender. 2,070,664; Feb. 16.
Pick, Ice. W. F. Arndt and J. H. Ganzer. 2,070,773; Feb. 16.
Picture viewing apparatus. J. H. Harlow. 2,071,121; Feb. 16.
Picture visual accompaniments to musical scores, Method and apparatus for motion. E. F. Savage. 2,071,044; Feb. 16.
Pinking attachment. E. F. Horn. 2,071,230; Feb. 16.
Pipe: *See*—
Lined concrete pipe.
Pipe connection, Bull plug. W. F. Bronsell. 2,070,855; Feb. 16.
Pipe cutter. E. Huffman. 2,071,166; Feb. 16.
Pipe ends, Forming lined. W. E. Bannerman. 2,070,852; Feb. 16.
Pipe finishing, Method of and apparatus for. J. L. Adams, Jr. 2,071,154; Feb. 16.
Pipe wrapping machine. E. L. Rolfe and C. W. Fuller. 2,070,925; Feb. 16.
Piston for an internal combustion motor. E. C. Long. 2,071,131; Feb. 16.
Pistons, Apparatus for molding. J. R. Cox and A. A. Abramoska. 2,070,649; Feb. 16.
Plate and other ornamental panel, Sign. W. H. Spencer, L. R. Birdsall and W. Bahler. 2,071,239; Feb. 16.
Plow, Rotary. B. F. Gravely. 2,070,830; Feb. 16.
Plug: *See*—
Plumber's plug.
Spark plug.
Plug connecter. N. Gizzarelli. 2,071,067; Feb. 16.
Plug with automatic feeding valve for storage batteries, Vent. E. Ramirez. 2,070,921; Feb. 16.
Plumber's plug. E. B. Brooke. 2,070,579; Feb. 16.
Pneumatic spring. S. J. Elsin. 2,070,719; Feb. 16.
Pole adjustment for lateral arm awnings, Front. F. A. Anton. 2,070,639; Feb. 16.
Polyacetal and producing the same, Linear. W. H. Carothers. 2,071,252; Feb. 16.
Pot, Welded rolled steel cinder. F. C. Merk. 2,071,233; Feb. 16.
Powders, Coloring of bronze. M. Baer. 2,071,156; Feb. 16.
Power plant, Elastic fluid. G. B. Warren. 2,071,268; Feb. 16.
Power transmission device. F. D. Martin. 2,070,837; Feb. 16.
Power transmission device. D. W. E. Yates. 2,070,636; Feb. 16.
Power transmission, Electric. C. H. Willis, B. D. Bedford and F. R. Elder. 2,071,190; Feb. 16.
Power transmission, Motor vehicle. H. T. Woolson. 2,071,292; Feb. 16.
Pressing device, Steam discharge. F. J. Clark. 2,070,710; Feb. 16.
Pressing machine. E. D. Meyer. 2,070,996; Feb. 16.
Press: *See*—
Sheet metal press.
Pressure regulating valve. R. C. Hughes. 2,070,660; Feb. 16.
Printing apparatus. W. B. Payne. 2,071,139; Feb. 16.
Printing devices, Making. E. U. T. Berthelsen. 2,070,573; Feb. 16.
Printing members for use, Preparing. W. T. Gollwitzer. 2,070,593; Feb. 16.
Printing plate. W. T. Gollwitzer. 2,070,592; Feb. 16.
Printing telegraph, Automatic. R. E. M. Pénot. 2,071,140; Feb. 16.
Products of ground wood pulp, Manufacture of. W. Hirschkind. 2,071,364; Feb. 16.
Projectile. R. P. Joyce. 2,070,946; Feb. 16.
Protective treatment of fresh fruits and vegetables in preparation for market. M. L. Trowbridge. 2,070,936; Feb. 16.
Protector: *See*—
Bucket and bucket protector.
Scalp protector.
Pulp, Bleaching chemical. W. Hirschkind. 2,071,308-9; Feb. 16.
Pulp or the like, Apparatus for making. H. D. Martindale. 2,070,742; Feb. 16.
Pump: *See*—
Fluid pump.
Vacuum pump.
Pump with cam drive. W. Klein. 2,070,738; Feb. 16.
Rack: *See*—
Dish rack.
Gas rack.
Racket. H. W. Hall. 2,070,896; Feb. 16.
Radiant cell gas burner. A. H. Don Howe. 2,070,859; Feb. 16.
Radiator grille cover. J. P. Posey. 2,070,919; Feb. 16.
Radio receiving system. W. H. T. Holden. 2,070,732; Feb. 16.
Radio tune-in control device. C. R. Bowen and J. M. Southwell. 2,070,779; Feb. 16.
Rail joint and method. R. E. Frickey. 2,070,890; Feb. 16.
Rail joint shim. F. S. Woniam. 2,071,151; Feb. 16.
Rail treatment method. R. E. Frickey and A. S. Kalenborn. 2,070,889; Feb. 16.
Range and water heater, Combination gas. W. P. Genovar, Jr. 2,070,987; Feb. 16.
Razor, Safety. W. H. Black. 2,071,105; Feb. 16.
Receptacle. G. Örström. 2,070,747; Feb. 16.
Recocking device for machine guns, Pneumatic. L. A. Boussel. 2,071,020; Feb. 16.
Reel: *See*—
Lamp supporting and cord extension reel.
Multiple hose reel.
Reel for dye kettles and the like, Reenforced. W. J. Simonds. 2,071,090; Feb. 16.
Reflector. J. S. Tripp. 2,071,243; Feb. 16.
Refrigerating apparatus. G. C. Pearce. 2,070,748; Feb. 16.
Refrigerating apparatus. L. A. Philipp. 2,071,175; Feb. 16.
Refrigerating machine condenser. C. Steenstrup 2,071,182; Feb. 16.
Refrigerator. C. Steenstrup. 2,071,183; Feb. 16.
Refrigerator condenser. J. R. Stephenson. 2,070,629; Feb. 16.
Refrigerator control. F. E. Beebe. 2,071,019; Feb. 16.
Register. L. P. Crosman. 2,070,785; Feb. 16.
Register for graves, Visitor's. B. Duchan. 2,070,940; Feb. 16.

Register with pivoted vanes. J. D. McKnight. 2,071,262; Feb. 16.
Regulator: *See*—
Boiler feed water regulator. Fluid regulator.
Oil temperature regulator.
Regulator control, Automatic. L. F. Blume and S. Minneci. 2,071,194; Feb. 16.
Regulator system. W. T. Rea. 2,070,750; Feb. 16.
Relay. C. H. Larson. 2,070,740; Feb. 16.
Relief valve, Springless pressure. E. W. Work. 2,071,152; Feb. 16.
Repeater testing. C. R. Meissner. 2,070,671; Feb. 16.
Resin composition, Preparing a synthetic. S. L. M. Saunders. 2,071,312–3; Feb. 16.
Resins, Decolorization of. C. A. Thomas and W. H. Carmody. 2,070,694; Feb. 16.
Respiration apparatus, Artificial. P. Petersen. 2,071,215; Feb. 16.
Respirator, gas mask, and the like. N. Schwartz. 2,070,754; Feb. 16.
Rhinestones or the like upon fabrics, Affixing. J. Kahan. 2,070,737; Feb. 16.
Ring for typewriter platens, Twirler. C. J. Watson. 2,071,147; Feb. 16.
Roaster, Automatic. H. C. A. Behr and J. J. Eck. 2,071,293; Feb. 16.
Rod construction for radial type internal combustion engines, Connecting. G. D. Angle. 2,071,193; Feb. 16.
Rod for firearms, Cleaning. L. S. Riley. 2,070,844; Feb. 16.
Roller. J. E. Marshall. 2,071,080; Feb. 16.
Rolling mill. E. E. Moore. 2,071,212; Feb. 16.
Roof construction. R. M. Calkins and J. W. Swank. 2,070,648; Feb. 16.
Roofing or like element. O. A. Heppes and L. Kirschbaum. 2,071,229; Feb. 16.
Rotary combustion engine. H. E. Lickfeldt. 2,070,606; Feb. 16.
Rotary electric switch. M. Zuckerman. 2,071,099; Feb. 16.
Rubber compositions from latex and like aqueous rubber dispersions, Manufacture of. U. Pestalozza. 2,071,214; Feb. 16.
Rule, Slide. E. L. Bowles. 2,071,195; Feb. 16.
Ruling machine. R. T. Duffy. 2,070,860; Feb. 16.
Running board assembly. B. C. Place. 2,070,839; Feb. 16.
Safe and the like. H. Oblak. 2,070,803; Feb. 16.
Safety device for automobiles. C. L. Straith. 2,070,760; Feb. 16.
Safety pins, Making. F. Magidson. 2,071,079; Feb. 16.
Scale beam structure. H. Eschenbacher and P. J. Kircher. 2,070,786; Feb. 16.
Scalp protector. L. N. Johnson. 2,071,205; Feb. 16.
Screen: *See*—
Wind screen.
Screw, Wood. G. T. K. Woodley. 2,070,851; Feb. 16.
Seal, Glass-to-Metal. E. E. Burger and A. W. Hull. 2,071,196; Feb. 16.
Seal, Oil. J. Agger. 2,070,637; Feb. 16.
Seal, Oil. S. C. McCombs. 2,070,638; Feb. 16.
Seams, Method of and machine for finishing. D. Hallbauer. 2,070,726; Feb. 16.
Seat lifting mechanism. A. A. Grinnell. 2,071,032; Feb. 16.
Separator. J. Crites. 2,070,650; Feb. 16.
Separator. C. R. Holden and M. Drobinsky. 2,071,261; Feb. 16.
Shaded pole induction motor. E. W. Ballentine. 2,071,224; Feb. 16.
Sheet and making the same, Embossed printed. C. H. Franz, Jr. 2,071,031; Feb. 16.
Sheet feed control mechanism. J. F. Horst. 2,070,903; Feb. 16.
Sheet material, Apparatus for treating plied. F. S. Sternad. 2,071,048; Feb. 16.
Sheet metal press. F. J. Rode, M. R. Hatch, and A. H. Schloz. 2,071,001; Feb. 16.
Shield, Glare. F. B. O'Shea. 2,071,272; Feb. 16.
Shingle. M. R. Beasley. 2,070,571; Feb. 16.
Shock absorber. F. E. Cusack. 2,070,563; Feb. 16.
Shock absorber. G. K. McKee. 2,070,799; Feb. 16.
Shock absorber, Hydraulic. W. A. Carter. 2,070,709; Feb. 16.
Shoe. E. W. Dunbar. 2,071,298; Feb. 16.
Shoe machine. F. S. Glines. 2,071,068; Feb. 16.
Shoe shank construction. J. J. White. 2,071,098; Feb. 16
Shovel, Folding. T. C. Aylwin. 2,070,555; Feb. 16.
Shut-off valve, Spring-toggle action. R. C. Hughes. 2,070,661; Feb. 16.
Shuttle. A. M. Sergeson. 2,071,238; Feb. 16.
Shuttleless loom. W. Pool. 2,070,740; Feb. 16.
Sign: *See*—
Light reflecting sign.
Sign announcing apparatus. J. Lüthi. 2,070,669; Feb. 16.
Sign plates and like ornamental panels, Making. W. H. Spencer, L. R. Birdsall, and W. Bahler. 2,071,240; Feb. 16.
Signal: *See*—
Automobile clearance signal.
Signal for refrigerators, Defrosting. H. J. Weisberg and C. E. Ide. 2,071,148; Feb. 16.
Signaling impulses, Reception of electric. R. Barthelemy. 2,070,774; Feb. 16.
Signaling system. L. H. Johnson. 2,071,072; Feb. 16.
Signaling system. F. K. Low. 2,071,078; Feb. 16.
Signaling system, Multiple. F. R. Bridges. 2,071,060; Feb. 16.
Signals, Detection of frequency modulated. M. G. Crosby. 2,071,113; Feb. 16.
Skate, Roller. W. Blochinger. 2,070,646; Feb. 16.
Ski. O. E. Schniebs. 2,071,220; Feb. 16.
Slotting, perforating, and splining of tubes and the like. E. G. Boyer. 2,070,780; Feb. 16.
Smoking tube. G. F. Grundon. 2,070,831; Feb. 16.
Socket, holder, or coupling, Thermostatic. M. C. Dellinger. 2,071,270; Feb. 16.
Solder. C. J. McKinney. 2,071,211; Feb. 16.
Sole and heel for footwear. M. R. Haider. 2,070,595; Feb. 16.
Sole attachment for knitting machines, Double. R. A. Gibbs, Jr., and S. W. McDowell. 2,070,654; Feb. 16.
Soles, Making. W. D. Everett, I. F. Starner, and F. F. Olson. 2,071,065; Feb. 16.
Solids in liquid suspension, Apparatus for the separation of. C. R. Holden. 2,071,260; Feb. 16.
Solvent recovery. W. A. Myers. 2,070,611; Feb. 16.
Sound, Apparatus for recording or reproducing. G. L. Younts. 2,071,192; Feb. 16.
Sound-emitting apparatus, Electrical. E. Wilckens. 2,070,701; Feb. 16.
Sound producing apparatus and mounting therefor. A. M. Skudre. 2,070,628; Feb. 16.
Sound reproducer. La V. E. Quinnell. 2,070,977; Feb. 16.
Spark plug. J. I. Brokaw. 2,070,708; Feb. 16.
Spark plug. C. G. Cramer. 2,071,254; Feb. 16.
Splint, Metal. W. J. Saling. 2,070,810; Feb. 16.
Spray head. R. W. Tracy. 2,070,695–6; Feb. 16.
Spring: *See*—
Pneumatic spring.
Springing arrangement for the wheels of vehicles. M. Wagner. 2,070,817; Feb. 16.
Sprinkler. G. Rueina. 2,071,109; Feb. 16.
Sprinkler for receptacles. C. E. Anderson. 2,071,101; Feb. 16.
Stacking device. A. E. Almgren. 2,070,568; Feb. 16.
Starch, Process for the manufacture of disintegration products of. B. Bochskandl. 2,070,576; Feb. 16.
Starting mechanism, Automatic. P. H. Maurer. 2,071,042; Feb. 16.
Staying machine. L. L. Wismer. 2,070,767; Feb. 16.
Steam separator and superheater. W. L. Kisling. 2,071,128; Feb. 16.
Steering device. L. H. Johnson. 2,070,832; Feb. 16.
Steering gear, Cam and lever. P. A. Newman. 2,071,235; Feb. 16.
Stencil sheet duplicator. I. A. Cantor. 2,071,249; Feb. 16.
Stitch regulation in knitting machines, Apparatus for. A. W. Mutchler and H. J. Straussberger. 2,070,802; Feb. 16.
Stopper, Bottle. E. Greene. 2,070,594; Feb. 16.
Storage battery, Nonspillable. J. R. Vanek. 2,070,979; Feb. 16.
Strainer, Paint. B. W. Odom. 2,070,998; Feb. 16.
Strap for upholstery springs. S. E. Schwartzman. 2,070,963; Feb. 16.
Strip, Finish and filler. W. Bishop. 2,070,645; Feb. 16.
Strip, Sealing. G. W. Gail. 2,070,725; Feb. 16.
Stripe painting machine. H. T. Morgan. 2,070,953; Feb. 16.
Suction cleaner. B. C. Becker. 2,070,643; Feb. 16.
Suction cleaner. F. L. Pierce. 2,070,682; Feb. 16.
Suction cleaner. D. G. Smellie. 2,070,688–9; Feb. 16.
Superphosphate, Making. H. A. Curtis. 2,070,582; Feb. 16.
Support: *See*—
Arch support. Flare support.
Fixture support.
Support. F. H. Boling. 2,070,823; Feb. 16.
Surfaces, Method and apparatus for finishing. F. F. Hillix. 2,070,944; Feb. 16.
Switch: *See*—
Electric switch. Mercury switch.
Electrical switch. Rotary electric switch.
Heater switch.
Syringe, Venereal air. J. L. Jones. 2,071,127; Feb. 16.
Tabulating and computing system. R. L. Nash. 2,071,083; Feb. 16.
Tanks, Apparatus for erecting. M. K. Allen. 2,071,246; Feb. 16.
Tape drive for the spindles of spinning and doubling frames. J. S. Dodd. 2,070,713; Feb. 16.
Tape measure. J. Buttigieg. 2,071,225; Feb. 16.
Tar and pitch, Treating. C. S. Reeve. 2,070,961; Feb. 16.
Teeth on files or the like, Producing. A. W. Hellström. 2,070,730; Feb. 16.
Telecommunications system, Portable. W. G. H. Finch. 2,071,227; Feb. 16.
Telephone system. W. M. Beaumont. 2,070,642; Feb. 16.
Telephone system. C. D. Koechling. 2,071,075; Feb. 16.
Telephone system. F. Lubberger. 2,070,909; Feb. 16.
Telephone system. N. H. Saunders. 2,070,866; Feb. 16.

Telephone system. J. H. Voss and T. F. Crocker. 2,070,874; Feb. 16.
Telephone system. E. Wochinger. 2,070,876; Feb. 16.
Telephone system, Inter-outer. R. Varley. 2,071,053; Feb. 16.
Temperature control system. L. L. Young and J. L. Finch. 2,070,967; Feb. 16.
Textile material, Method and device for coating. H. Jenett. 2,071,035; Feb. 16.
Textiles containing cellulose derivatives. W. A. Dickie and P. F. C. Sowter. 2,070,583; Feb. 16.
Thermostat. F. Kuhn and L. H. Thomas. 2,070,604; Feb. 16.
Thermostat. F. Kuhn and L. H. Thomas. 2,071,209; Feb. 16.
Threads and the like with liquids, Treatment of. H. Dreyfus. 2,070,715; Feb. 16.
Throttle and brake control for airplanes, Combined. L. de Florez and E. Bach. 2,071,063; Feb. 16.
Tie and collar holder, Combined. P. D. Smith. 2,071,181; Feb. 16.
Tie, Bale. A. V. Rowe. 2,071,089; Feb. 16.
Time indicating device. F. A. Ross. 2,071,274; Feb. 16.
Time relay, Definite. R. W. Goff. 2,071,202; Feb. 16.
Time signaling system. J. I. Bellamy and R. G. Richardson. 2,070,878; Feb. 16.
Timer. W. E. Owen. 2,071,173; Feb. 16.
Tire cover. O. U. Zerk. 2,070,819; Feb. 16.
Toaster, Electric. J. L. Merrill. 2,071,234; Feb. 16.
Tobacco and improved tobacco product, Treating. F. H. Penn. 2,070,957; Feb. 16.
Tool: *See*—
Body and fender straightening tool. Honing tool.
Cutting tool. Machine tool.
Tool control arrangement, Machine. O. Pollok. 2,071,176; Feb. 16.
Tools, Manufacturing grinding. P. Voegeli-Jaggi. 2,070,734; Feb. 16.
Top, Convertible. F. J. Westrope. 2,070,699; Feb. 16.
Toy. A. F. Maggio. 2,071,041; Feb. 16.
Toy, Dancing. G. S. Knickerbocker. 2,071,129; Feb. 16.
Toy people, Combination base and shoe for. G. L. Schauffler. 2,071,179; Feb. 16.
Toy, Structural. R. L. Dunn, Jr., and H. T. Birr, Jr. 2,070,887; Feb. 16.
Track leveler for tractors. G. W. Scott and A. Frizzell. 2,070,964; Feb. 16.
Traffic controlling apparatus, Railway. L. R. Allison. 2,071,056; Feb. 16.
Transmission and control mechanism, Milling machine. M. Romaine, W. D. Archea, and E. G. Rochm. 2,070,808; Feb. 16.
Transmission network. E. L. Norton. 2,070,677; Feb. 16.
Trellis. S. Green. 2,070,988; Feb. 16.
Triangle-protractor. J. C. Niemeyer. 2,070,675; Feb. 16.
Trombone. J. F. Burke. 2,071,022; Feb. 16.
Tube: *See*—
Boiler cleaner tube. Smoking tube.
Discharge tube.
Tubing bleeder. H. L. Laughinghouse. 2,070,907; Feb. 16.
Tuner for string instruments. G. A. Peate. 2,070,916; Feb. 16.
Tuning apparatus. V. H. Severy. 2,070,867; Feb. 16.
Type bar for typewriters and the like. S. Khalil. 2,071,206; Feb. 16.
Vacuum cleaner. B. S. Foss. 2,070,986; Feb. 16.
Vacuum producing device. W. R. Coyne and J. C. De Lacy. 2,070,562; Feb. 16.
Vacuum pump. J. P. Johnson. 2,070,662; Feb. 16.
Valve: *See*—
Automatic valve. Relief valve.
Compressor valve. Shut-off valve.
Pressure regulating valve.
Valve. L. S. Hamer. 2,070,899; Feb. 16.
Valve. N. C. Hunt. 2,071,204; Feb. 16.
Valve and rocker arm assembly for radial engines. C. P. Sander, W. H. Righter, and G. Edenquist. 2,070,926; Feb. 16.
Valve converting system, Electric. C. H. Willis. 2,071,189; Feb. 16.
Valves and their operation. E. E. Littlefield. 2,070,607; Feb. 16.
Variable ratio jack. W. A. Traut. 2,070,935; Feb. 16.
Vehicle, Air. W. H. Boyes. 2,070,854; Feb. 16.
Vehicle, Motor. F. Spatz. 2,070,758; Feb. 16.
Vehicle, Railroad. H. Knecht. 2,071,207; Feb. 16.
Vehicle, Road or railway. L. Willeme. 2,070,702; Feb. 16.
Vehicle wheel. S. S. McDonald. 2,070,993; Feb. 16.
Velocities, Apparatus for the measurement of rotational. H. A. Satterlee. 2,070,623; Feb. 16.
Ventilating apparatus for vehicle bodies. W. D. Crowell. 2,070,886; Feb. 16.
Vessels of ceramic material and with rarefaction of the air within the wall spaces, Producing double-wall. H. J. Moczala. 2,070,672; Feb. 16.
Vibrator. J. C. Pelton. 2,070,956; Feb. 10.
Viscosity of liquids, Apparatus for testing the. C. S. Healy. 2,070,862; Feb. 16.
Walking-beam, One-man retractable. G. Tremolada. 2,070,815; Feb. 16.
Wall and plates for its construction, Hollow. J. C. P. Leemhuis. 2,071,039; Feb. 16.
Wall assembly and clip. G. E. Shipway and L. M. Steuber. 2,071,291; Feb. 16.
Wardrobe, cabinet and the like. H. Derman. 2,070,924; Feb. 16.
Washing machine. H. L. Johnston. 2,071,036; Feb. 16.
Water supply arrangement for bidets. I. Salvoni. 2,070,622; Feb. 16.
Waterproof insulating material. W. R. Gillies. 2,070,861; Feb. 16.
Waters with hydrogen peroxide, Purification of. E. E. Butterfield. 2,070,856; Feb. 16.
Wave transmission network. W. R. Landry. 2,070,668; Feb. 16.
Wax polish. E. N. Dacus and B. Gallsworthy. 2,071,027; Feb. 16.
Webs of material, Mechanism for driving. R. C. La Borde and E. C. Potter. 2,071,076; Feb. 16.
Weighting mechanism employed in the roller systems of ring spinning, drawing, or speed frames and like textile machines. J. Calvert. 2,071,023; Feb. 16.
Weights for centrifugal clutches, Making. D. E. Gamble. 2,070,892; Feb. 16.
Welding current generation. J. F. Lincoln and G. G. Landis. 2,070,949; Feb. 16.
Wheel: *See*—
Vehicle wheel.
Wheel balancing device. F. E. Mechling. 2,070,995; Feb. 16.
Wheel structure. J. L. Hecht and R. H. Beckman. 2,071,259; Feb. 16.
Wheels, Making vehicle. C. L. Eksergian. 2,071,280; Feb. 16.
Whip roll bearing. H. N. Williams. 2,070,703; Feb. 16.
Wind screen. R. A. Dailey. 2,071,255; Feb. 16.
Windshield cleaner. E. C. Horton. 2,071,310; Feb. 16.
Window channel. C. F. Schlegel. 2,070,624; Feb. 16.
Window operating mechanism. A. C. Dust. 2,070,941; Feb. 16.
Wire handling device. C. A. Thompson. 2,070,934; Feb. 16.
Wire netting, Manufacture of. W. Krämer. 2,071,210; Feb. 16.
Woodworking machine A. R. Swickard. 2,071,005; Feb. 16.
Workship unit. T. W. Frech. 2,071,201; Feb. 16.
Wrapper for books and other merchandise. L. W. Langebennig. 2,071,232; Feb. 16.
Writing machine. J. Q. Sherman and A. W. Metzner. 2,070,625; Feb. 16.
Xanthic formates. J. H. Werntz. 2,070,634; Feb. 16.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 16, 1937

NOTE.—First number=class, second number=subclass, third number=patent number

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309—	11: 2,071,131	
312—	64: 2,071,040	
	114: 2,070,663	
	190: 2,070,924	

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Dirigold Corporation, The, Kokomo, Ind. Base metal pots, kettles, frying pans, etc. Serial No. 372,198; Feb. 23. Class 13.

American Findings Manufacturing Company, Indianapolis, Ind. Metal shoe taps. Serial No. 384,606; Feb. 23. Class 13.

Angelo Brothers Limited, Calcutta, India. Prepared shellacs and lacs. Serial Nos. 368,734–7; Feb. 23. Class 16.

April-Cuttner Corp., New York, N. Y. Raw, dressed and/or dyed and/or blended furs. Serial No. 386,883; Feb. 23. Class 1.

Art Poster Company, The, New York, N. Y. Printed advertising signs. Serial No. 373,714; Feb. 23. Class 50.

Atlanta Paper Company, Atlanta, Ga. Paper bags and receptacles. Serial No. 386,785; Feb. 23. Class 2.

Atlantic Blade Corporation, Brooklyn, N. Y. Razors and razor blades. Serial No. 387,102; Feb. 23. Class 23.

Bass, William, Dress Corporation, New York, N. Y. Dresses. Serial No. 386,302; Feb. 23. Class 39.

Beck, A. S., Shoe Corporation, New York, N. Y. Shoes for women. Serial No. 387,167; Feb. 23. Class 39.

Belle Form Brassiere Co. (See Smith, Lewis.)

Bel-Park Motors, Inc., Chicago, Ill. Motor vehicle on two or three wheels. Serial No. 386,009; Feb. 23. Class 19.

Binney & Smith Co., New York, N. Y. Water colors. Serial No. 387,490; Feb. 23. Class 16.

Bloomingdale Bros., Inc., New York, N. Y. Shaving lotion. Serial No. 384,239; Feb. 23. Class 4.

Bloomingdale Bros., Inc., New York, N. Y. Dolls. Serial No. 387,169; Feb. 23. Class 22.

Brewing Corporation of Canada Limited, assignor, by mesne assignments, to Taylor and Bate, Limited, Toronto, Ontario, Canada. Ales and lager beer. Serial No. 370,754; Feb. 23. Class 48.

Bristol Company, The, Waterbury, Conn. Electrical potentiometers. Serial No. 387,021; Feb. 23. Class 26.

Brooks Paper Company, St. Louis, Mo. Bags. Serial No. 387,494; Feb. 23. Class 2.

Brown Clothing Company, Minneapolis, Minn. Shoes. Serial No. 385,392; Feb. 23. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Metal cuspidors. Serial No. 386,338; Feb. 23. Class 13.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Electrically operated coolers. Serial No. 386,353; Feb. 23. Class 31.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Metal cuspidors. Serial No. 386,357; Feb. 23. Class 13.

C. & W. Manufacturing Co., Chicago, Ill. Permanent hair waving machines. Serial No. 386,983; Feb. 23. Class 44.

Cabassa, Jose M. G., doing business as Laboratorios Granchel, Santurce, P. R. Perfumed rubbing alcohol, cologne water, and facial powder. Serial No. 387,023; Feb. 23. Class 6.

Cambridge-Wheatley Co., The, Cincinnati, Ohio. Ceramic, clay, wall tile glazed and unglazed. Serial No. 383,293; Feb. 23. Class 12.

Candy Cod Laboratories Corp., New York, N. Y. Medicated chocolate bars. Serial No. 386,149; Feb. 23. Class 6.

Caplan, Howard H., doing business as Davis Drug Company, Baltimore, Md. General tonic. Serial No. 386,230; Feb. 23. Class 6.

Cassimatis, Irineos, Gary, Ind. Toilet soap. Serial No. 386,722; Feb. 23. Class 4.

Celluloid Corporation, Newark, N. J. Transparent or translucent non-textile cellulosic strips and ribbons. Serial No. 380,342; Feb. 23. Class 37.

Charles, Peter, Nail Polish Co., New York, N. Y. Finger nail preparation. Serial No. 386,008; Feb. 23. Class 6.

Chicago Pharmacal Co., Chicago, Ill. Preparation for internal treatment of staphylococcus infections, etc. Serial No. 384,576; Feb. 23. Class 6.

Chryson's, Ltd., Los Angeles, Calif. Skin creams and skin lotions, almond tissue cream, etc. Serial No. 380,701; Feb. 23. Class 6.

Clement, D. M., doing business as Mid-State Laboratories, Marshfield, Wis. Salve for veterinary uses. Serial No. 386,676; Feb. 23. Class 6.

Cleveland Converting Company, The, Cleveland, Ohio. Polishing and buffing wheels and spacers or separators therefor. Serial No. 384,611; Feb. 23. Class 4.

Clover Farm Stores Corporation, doing business as Clover Farm Stores, Cleveland, Ohio. Maltless soft drinks. Serial Nos. 386,405–6; Feb. 23. Class 45.

Commonwealth Shoe & Leather Company, Whitman, Mass. Slippers. Serial No. 386,246; Feb. 23. Class 39.

Consolidated Cement Corporation, Chicago, Ill. Portland cement. Serial No. 385,215; Feb. 23. Class 12.

Consolidated Cement Corporation, Chicago, Ill. Portland cement. Serial No. 385,223; Feb. 23. Class 12.

Cresson Products Co., The. (See Given, Louise C.)

Daroff, H., & Sons, Inc., Philadelphia, Pa. Suits, trousers, top-coats, etc. Serial No. 372,588; Feb. 23. Class 39.

Daubert and Knight, Columbus, Ohio. Medicinal preparation. Serial No. 386,581; Feb. 23. Class 6.

Davis Drug Company. (See Caplan, Howard H.)

Decoll, Inc., New York, N. Y. Hat boxes. Serial No. 385,625; Feb. 23. Class 2.

Destileria Serralles, Inc., Ponce, P. R. Denatured alcohol. Serial No. 384,885; Feb. 23. Class 6.

Dewey, Emily, doing business as Emily Dewey Studios, Lake Placid, Fla., and Lake Placid Club, N. Y. Drapery and curtain covers. Serial No. 386,633; Feb. 23. Class 2.

Domestic Products, Inc., Minneapolis, Minn. Dry cleaning compound. Serial No. 385,281; Feb. 23. Class 4.

Dominici, Ettore. Turin, Italy. Combs. Serial No. 381,026; Feb. 23. Class 40.

Donshick, Jules, Oakland, Calif. Metal polish in powder form. Serial No. 386,984; Feb. 23. Class 4.

D'Orsay Sales Corporation, New York, N. Y. Toilet preparations and cosmetics. Serial No. 386,762; Feb. 23. Class 6.

Drew, Irving, Company, The, Portsmouth, Ohio. Boots, shoes, and slippers. Serial No. 386,247; Feb. 23. Class 39.

Drewrys Limited U. S. A., Inc., South Bend, Ind. Beer. Serial No. 385,510; Feb. 23. Class 48.

Duro Metal Products Company, Chicago, Ill. Power driven woodworking machinery. Serial Nos. 372,403–4; Feb. 23. Class 23.

Eisenberg Bros., New York, N. Y. Ladies' hats. Serial No. 386,019; Feb. 23. Class 39.

Elder and Johnston Company, The, Dayton, Ohio. Women's gloves. Serial No. 379,692; Feb. 23. Class 39.

Electro-Chemical Supply & Engineering Co., Paoli, Pa., and Wilmington, Del. Acid-proof cement. Serial No. 385,783; Feb. 23. Class 12.

Empire Distilling Corporation of New York, Yonkers, N. Y. Anti-freeze preparation. Serial No. 386,420; Feb. 23. Class 6.

Emulsol Corporation, The, Chicago, Ill. Interface modifying agents, lipsticks, face cream, etc. Serial No. 352,165; Feb. 23. Class 6.

Endo Products, Inc., New York, N. Y. Various pharmaceuticals and drug medication. Serial Nos. 386,635–7; Feb. 23. Class 6.

Ensign-Bickford Co., The, Simsbury, Conn. Detonating fuse. Serial No. 387,241; Feb. 23. Class 9.

Ettlin, Inc., New York, N. Y. Nasal douches. Serial No. 385,784; Feb. 23. Class 6.

Eugene, Ltd., New York, N. Y. Permanent waving solutions. Serial No. 386,705; Feb. 23. Class 6.

Evans, H. C., & Company, Chicago, Ill. Coin operated game device. Serial No. 385,550; Feb. 23. Class 22.

Exhibit Supply Company, Chicago, Ill. Target apparatus. Serial No. 385,513; Feb. 23. Class 22.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. Serial No. 386,888; Feb. 23. Class 37.

Farallone Packing Co., San Francisco, Calif. Fish meal for poultry and stock food. Serial No. 373,564; Feb. 23. Class 46.

Finch, Bert, Mfg. Co., Ltd., The, Los Angeles, Calif. Dresses, pajamas. Serial No. 382,509; Feb. 23. Class 39.

Fisher, Glenn, Bowling Green, Ky. Permanent wave solution, face creams, muscle oil, etc. Serial No. 385,476; Feb. 23. Class 6.

Fitchburg Paper Company, Fitchburg, Mass. Book and printing papers. Serial No. 387,243; Feb. 23. Class 37.

Flashy Dress Company, Inc., New York, N. Y. Dresses. Serial No. 386,364; Feb. 23. Class 39.

Floridagold Citrus Corporation, Lake Alfred, Fla. Grapefruit and orange segments packed in cans. Serial No. 384,924; Feb. 23. Class 46.

Forster, Harry J., Chicago, Ill. Tube scrapers or cleaners. Serial No. 387,118; Feb. 23. Class 23.

Forty Second Street Sales Co., Chicago, Ill. Bleach creams, tissue creams, perfumes, etc. Serial No. 386,103; Feb. 23. Class 6.

Fox, Harold P., Camden, N. J. Ocean beach sand. Serial No. 381,936; Feb. 23. Class 1.

Gane's Chemical Works, Inc., New York, N. Y. Medicinal tablet. Serial No. 386,729; Feb. 23. Class 6.

Gatterdam, Eugene A., doing business as Pollen Laboratories, Phoenix, Ariz. Inhalant. Serial No. 383,265; Feb. 23. Class 6.

Gerlicher, Benjamin F., doing business as The Ben Gerlicher Company, Winona, Minn. Powder to combat grub worms in corn and barley. Serial No. 386,646; Feb. 23. Class 6.

Gernsback, Hugo, New York, N. Y. Monthly publication. Serial No. 385,092; Feb. 23. Class 38.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Maf. 2, 1907]

Gertz, B., Inc., Jamaica, N. Y. Canned fruits, vegetable and fruit juices, canned vegetables, etc. Serial No. 385,667; Feb. 23. Class 46.

Gialafos, Michael, doing business as Gialafos Sunray Mfg. Co., New York, N. Y. Hair waving solution (permanent), soapless shampoo. Serial No. 384,997; Feb. 23. Class 6.

Giesselmann, Henry M., doing business as Giesselmann Laboratories, Brooklyn, N. Y. Mentholated expectorant. Serial No. 380,051; Feb. 23. Class 6.

Given, Louise C., doing business as The Cresson Products Co., New Hope, Pa. Waxes for polishing automobiles. Serial No. 382,664; Feb. 23. Class 16.

Glover, H. Clay, Co., Inc., New York, N. Y. Capsules for round worms, etc., in puppies, etc. Serial No. 386,538; Feb. 23. Class 6.

Godchaux, Leon, Clothing Co. Ltd., The, New Orleans, La. Hats and caps. Serial No. 386,939; Feb. 23. Class 39.

Gordon, Eli, doing business as Milady's Modes, Los Angeles, Calif. Dresses, coats, gowns, etc. Serial No. 386,368; Feb. 23. Class 39.

Grana, John, Manhattan Beach, Calif. French dressing. Serial No. 383,432; Feb. 23. Class 46.

Green Hill Mushroom Farms. (See Grocery Products Manufacturing Corporation.)

Grenoville, Inc., New York, N. Y. Perfumes. Serial No. 386,893; Feb. 23. Class 6.

Grocery Products Manufacturing Corporation, doing business as Green Hill Mushroom Farms, New York, N. Y., and West Chester, Pa. Canned mushrooms. Serial No. 387,124; Feb. 23. Class 46.

Gulf Oil Corporation, Pittsburgh, Pa. Auto cleaner and spot remover. Serial No. 386,802; Feb. 23. Class 4.

Hall Hardware Company, Minneapolis, Minn. Lubricating oils and greases. Serial No. 381,939; Feb. 23. Class 15.

Hall, Nicholas S., Philadelphia, Pa. Monthly publication. Serial No. 385,789; Feb. 23. Class 38.

Harlem Chemical Co. (See Hecht, Samuel, Estate of.)

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 387,245; Feb. 23. Class 39.

Hecht Co., The, doing business as Hecht Bros., Baltimore, Md., Washington, D. C., and New York, N. Y., and The Hub, Baltimore, Md. Women's coats and suits. Serial No. 387,324; Feb. 23. Class 39.

Hecht, Samuel, Estate of, doing business as Harlem Chemical Co., Long Island City, N. Y. Lighting fluid. Serial No. 387,037; Feb. 23. Class 6.

Herbert, Harry L., doing business as Herbert Manufacturing Co., Irving, Ill. Medicinal preparation. Serial No. 386,765; Feb. 23. Class 6.

Highway News, The. (See Woodburn, T. R., Printing Co.)

Hilger, Adam, Limited, London, England. Spectrometers, polarimeters, and spectographs. Serial No. 387,066; Feb. 23. Class 26.

Hillsboro Brewing Company, Hillsboro, Wis. Beer, ale, and porter. Serial No. 386,649; Feb. 23. Class 48.

Höganäs-Billesholms A-B., Höganas, Sweden. Electrically fused alumina or bauxite. Serial No. 381,312; Feb. 23. Class 1.

Hotstream Heater Company, The, Cleveland, Ohio. Combination traps and filters. Serial No. 379,430; Feb. 23. Class 13.

Hub, The. (See Hecht Co., The.)

Huber, J. M., Inc., New York, N. Y. Clays. Serial No. 387,279; Feb. 23. Class 1.

Humphrey, J. Allan, St. Louis, Mo. Cleansing cream, tissue cream, rouge, etc. Serial No. 383,610; Feb. 23. Class 6.

Humphreys, Robert, doing business as Humphreys Specialty Co., Rochester, N. Y. Oil plastic texture wall paint. Serial No. 387,327; Feb. 23. Class 16.

Hyman, Albert, Far Rockaway, N. Y. Shoes. Serial No. 384,330; Feb. 23. Class 39.

International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets made of paper. Serial No. 386,650; Feb. 23. Class 37.

Isbell, May D., Washington, D. C. Sedative. Serial No. 359,352; Feb. 23. Class 6.

Jefferson Food Products, Inc., Kearneysville, W. Va. Apple juice. Serial No. 385,410; Feb. 23. Class 46.

Johnson, Axel E., doing business as Shu-Men-Ize Waterproofing Co., Galesburg, Ill. Preservative compound or preparation. Serial No. 384,535; Feb. 23. Class 4.

Johnson Family, Inc., The, Cincinnati, Ohio. Game. Serial No. 386,491; Feb. 23. Class 22.

Joyce-Gridland Co., The, Dayton, Ohio. Lifting mechanism. Serial No. 387,130; Feb. 23. Class 23.

Karpen, S., & Bros., Chicago, Ill. Mattresses and box springs. Serial Nos. 386,681–2; Feb. 23. Class 32.

Keyes Fibre Company, Inc., Waterville, Maine. Protective packing sheets of molded pulp. Serial No. 338,571; Feb. 23. Class 2.

Kinsey-Johnston Company, The, Cincinnati, Ohio. Chips placed on cards to be used as color charts. Serial No. 385,587; Feb. 23. Class 37.

Knitcraft Mills. (See Southwest Security Mortgage Corp.)

Knothe Bros. Co., Inc., New York, N. Y., and Westbrook, Conn. Suspenders and garters. Serial No. 386,117; Feb. 23. Class 39.

Kress, S. H., and Company, New York, N. Y. Baseball bats, golf balls, tennis balls, etc. Serial No. 386,118; Feb. 23. Class 22.

Laboratories Granchel. (See Cabassa, Jose M. G.)

Lawrence, A. C., Leather Company, Peabody, Mass. Leather. Serial No. 386,953; Feb. 23. Class 1.

Lechler, Erwin F., New York, N. Y. Permanent wave soap, soap for treating hair, medicated soap. Serial No. 369,134; Feb. 23. Class 4.

Leeds & Northrup Company, Philadelphia, Pa. Electric furnaces and ovens, electric heat-treating furnaces and ovens, etc. Serial No. 387,192; Feb. 23. Class 21.

Libby Dress Co., New York, N. Y. Dresses. Serial No. 387,382; Feb. 23. Class 39.

Livingston, Adrienne, New York, N. Y. Slips, panties, brassières, etc. Serial No. 387,331; Feb. 23. Class 39.

Livingston & Lieberman, New York, N. Y. Beach wear, sportswear, riding apparel, etc. Serial No. 385,694; Feb. 23. Class 39.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. Serial No. 387,337; Feb. 23. Class 46.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. Serial No. 387,339; Feb. 23. Class 46.

Lubaid Company. (See Sauerborn, L. J.)

Marshall Field & Company, Chicago, Ill. Piece goods. Serial No. 386,642; Feb. 23. Class 42.

Martin's, Brooklyn, N. Y. Knitted sweaters, skirts, and suits. Serial No. 386,263; Feb. 23. Class 39.

Massicotte Import Company, Montreal, Quebec, Canada. Medicinal preparation. Serial No. 385,484; Feb. 23. Class 6.

May Oil Burner Corporation, Baltimore, Md. Heat absorption baffles. Serial No. 385,363; Feb. 23. Class 34.

McCormick, John, Los Angeles, Calif. Swim trunks. Serial No. 385,298; Feb. 23. Class 39.

McKesson & Robbins, Incorporated, Fairfield, Conn. Whiskey. Serial No. 386,548; Feb. 23. Class 49.

Meincke, A. M., & Son, Inc., Chicago, Ill. Pigment filler for paper filling. Serial No. 375,450; Feb. 23. Class 6.

Meisezahl, Charles, Manufacturing Company. Artificial sparkling mineral water. Serial No. 386,550; Feb. 23. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for the treatment of vitamin B deficiency conditions. Serial No. 386,233; Feb. 23. Class 6.

Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Machines to fill bottles and cans, for machines to pasteurize foods, for machines to rinse containers, etc. Serial No. 383,612; Feb. 23. Class 23.

Mid-State Laboratories. (See Clement, D. M.)

Midwest Distributing Company, Kansas City, Mo. Whiskey. Serial No. 386,265; Feb. 23. Class 49.

Milady's Modes. (See Gordon, Eli.)

Montague, Joseph F., New York, N. Y. Column devoted to health items. Serial No. 384,181; Feb. 23. Class 38.

Mosby Medicine Co., Inc., Cincinnati, Ohio. Laxative tablets and indigestion tablets. Serial No. 386,216; Feb. 23. Class 6.

Musselman, Alvin J., doing business as Musselman Products Company, Cleveland, Ohio. Pneumatic tires. Serial No. 386,901; Feb. 23. Class 35.

National Coast Products Corporation, Swedesboro, N. J. Canned dog and cat food. Serial No. 386,902; Feb. 23. Class 46.

National Department Stores Management & Buying Corporation, New York, N. Y. Women's and misses' hats, coats, dresses, etc. Serial No. 386,552; Feb. 23. Class 39.

National Mortar & Supply Company of Pittsburgh, Pittsburgh, Pa. Lime. Serial No. 385,194; Feb. 23. Class 12.

National Remedy Company, Inc., New York, N. Y. Preparation for the relief of rheumatism. Serial No. 386,653; Feb. 23. Class 6.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Toilet soap. Serial Nos. 385,528–9; Feb. 23. Class 4.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Toilet soap. Serial No. 385,531; Feb. 23. Class 4.

National Solvents Co., Washington, D. C. Liquid polishing wax. Serial No. 386,958; Feb. 23. Class 16.

Nature's Rival Co. (See Venus Foundation Garments Inc.)

NEA Service, Inc., Cleveland, Ohio. Column. Serial No. 386,080; Feb. 23. Class 38.

Nestor Johnson Manufacturing Company, Chicago, Ill. Ice skates and skate outfits. Serial No. 387,724; Feb. 23. Class 22.

New Science Institute of Corrective Services, Inc., The, St. Joseph, Mo. Arch supports, bunion corrective appliances and trusses. Serial No. 386,904; Feb. 23. Class 44.

Nickerson, George W., doing business as Nickerson Manufacturing Co., Butte, Mont. Friction block. Serial No. 385,488; Feb. 23. Class 4.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Nobs Chemical Company, Los Angeles, Calif. Parasiticides, algaecides, industrial solvents, etc. Serial No. 381,776; Feb. 23. Class 6.

Northam Warren Corporation, New York, N. Y. Nail polish. Serial No. 385,989; Feb. 23. Class 6.

Northern Paper Mills, Green Bay, Wis. Paper towels. Serial No. 386,570; Feb. 23. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper napkins. Serial No. 386,571; Feb. 23. Class 37.

Numol, Limited, Newcastle-on-Tyne, England. Healing ointment for skin ailments. Serial No. 383,368; Feb. 23. Class 6.

Old Dutch Mills, Inc., New York, N. Y. Coffee, tea, and cocoa. Serial No. 387,512; Feb. 23. Class 46.

Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Porcelain tableware. Serial No. 385,197; Feb. 23. Class 30.

Otte & Co., Inc., New York, N. Y. Publications. Serial No. 374,937; Feb. 23. Class 38.

Palatine Industrial Co., Inc., New York, N. Y. Fibre screw anchors. Serial No. 386,690; Feb. 23. Class 13.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 387,443; Feb. 23. Class 22.

Patricia Petticoat Co., Inc., New York, N. Y. Chemises, negligees, costume slips, etc. Serial No. 387,390; Feb. 23. Class 39.

Penn City-National Oil Co., Philadelphia, Pa. Motor lubricating oil. Serial No. 386,815; Feb. 23. Class 15.

Petri Cigar Co., San Francisco, Calif. Cigars. Serial Nos. 385,058–9; Feb. 23. Class 17.

Piekenbrock, E. B., & Sons Company, Dubuque, Iowa. Shoes. Serial No. 383,324; Feb. 23. Class 39.

Plumeri, Joseph, New York, N. Y. Toilet cream. Serial No. 386,222; Feb. 23. Class 6.

Polk Miller Products Corp., Richmond, Va. Disinfectants. Serial No. 386,125; Feb. 23. Class 6.

Pollen Laboratories. (See Gatterdam, Eugene A.)

Procera Bread Process (New Zealand) Limited, Wellington, New Zealand. Bread. Serial No. 382,443; Feb. 23. Class 46.

Purcell & Co. Inc., Chicago, Ill. Permanent wave solution. Serial No. 384,165; Feb. 23. Class 6.

Quigley Company, Inc., New York, N. Y. Refractory surfacing materials. Serial No. 385,804; Feb. 23. Class 12.

Reader, Samuel, Chicago, Ill. Trade periodical publications. Serial No. 385,941; Feb. 23. Class 38.

Red Star Shoe Repairing Company, Inc., Philadelphia, Pa. Heel lifts, soles, and rubber heels. Serial No. 384,817; Feb. 23. Class 39.

Reichert, Hugo G., Salt Lake City, Utah. Lubricating oils, gasoline, cup grease, and gear oil. Serial No. 383,284; Feb. 23. Class 15.

Reliable School Supply and Equipment Company, The, Cincinnati, Ohio. Pencil tablets, ink tablets, note books, etc. Serial No. 386,742; Feb. 23. Class 37.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 371,781; Feb. 23. Class 22.

Rohm & Haas Company, Philadelphia, Pa. Textile finishing agent and printing assistant for printing with vat colors. Serial No. 386,779; Feb. 23. Class 6.

Rumford Chemical Works, Rumford, R. I. Abrasive. Serial No. 384,934; Feb. 23. Class 4.

Sackman Brothers Company, New York, N. Y. Children's playsuits. Serial Nos. 387,211–12; Feb. 23. Class 39.

Sauerborn, L. J., doing business as Lubaid Company, Milwaukee, Wis. Oiliness concentrate. Serial No. 385,609; Feb. 23. Class 15.

Schwab, Armand, & Co. Inc., New York, N. Y. Hat braids. Serial Nos. 386,965–6; Feb. 23. Class 40.

Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Suits and overcoats. Serial No. 387,445; Feb. 23. Class 39.

Shellmar Products Company, Chicago, Ill. Laminated products consisting of cellulose sheeting combined with other products. Serial No. 386,454; Feb. 23. Class 37.

Shoe Press Corporation, Philadelphia, Pa. Burnishing ink. Serial No. 386,456; Feb. 23. Class 4.

Shu-Men-Ize Waterproofing Co. (See Johnson, Axel E.)

Silverod Mfg. Co., Inc., New York, N. Y. Infants' and children's undergarments. Serial No. 387,353; Feb. 23. Class 39.

Simplex Manufacturing Company. (See Stephenson, William B.)

Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y. Work-tables, stands, chutes, etc. Serial No. 387,093; Feb. 23. Class 23.

Sitroux Company, Inc., The, Brooklyn, N. Y. Mentholated paper handkerchiefs. Serial No. 385,610; Feb. 23. Class 37.

Smith, Lewis, doing business as Belle Form Brassiere Co., New York, N. Y. Brassières, girdles, and corsets. Serial No. 385,909; Feb. 23. Class 39.

Società Anonima Snia-Viscosa, Società Nazionale Industria Applicazioni Viscosa, The, Turin, Italy. Artificial textile fibres, in staples. Serial No. 386,458; Feb. 23. Class 1.

Società Anonima Snia-Viscosa Società Nazionale Industria Applicazioni Viscosa, The, Turin, Italy. Threads and yarns. Serial No. 386,459; Feb. 23. Class 43.

Southwest Security Mortgage Corp., doing business as Knitcraft Mills, Los Angeles, Calif. Knit sweaters, hose, knitted dresses, etc. Serial No. 385,069; Feb. 23. Class 39.

Soysein Process Corporation, New York, N. Y. Vegetable protein used for coating and sizing paper. Serial No. 385,651; Feb. 23. Class 6.

Sports Illustrated, Inc., New York, N. Y. Sections in a periodical magazine. Serial No. 382,840; Feb. 23. Class 38.

Standard Oil Development Company, Linden, N. J. Inhibitor employed in motor oils. Serial No. 385,369; Feb. 23. Class 6.

Stephenson, William B., doing business as Simplex Manufacturing Company, Chicago, Ill. Draft controls for furnaces, boilers, and similar heating equipment. Serial No. 386,668; Feb. 23. Class 34.

Sterilek Company Inc., The, Brooklyn, N. Y. Facial tissues. Serial No. 386,623; Feb. 23. Class 37.

Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. Serial No. 387,225; Feb. 23. Class 37.

Strathmore Paper Company, West Springfield, Mass. Paper and cards for correspondence, announcement and greeting purposes. Serial No. 387,226; Feb. 23. Class 37.

Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. Serial No. 387,227; Feb. 23. Class 37.

Street, R. R., & Co. Inc., Chicago, Ill. Size and finish for textile fabrics. Serial No. 386,129; Feb. 23. Class 6.

Sure-Go Manufacturing Co., Toledo, Ohio. Preparation for the treatment of dandruff and other scalp conditions. Serial No. 383,491; Feb. 23. Class 6.

Swan Shoe Company, Inc., Baltimore, Md. Slippers and shoes and fastenings for the same. Serial No. 385,912; Feb. 23. Class 39.

Swartwout Company, The, Cleveland, Ohio. Gravity roof ventilators. Serial No. 386,749; Feb. 23. Class 34.

Tabin-Picker & Company, Chicago, Ill. Women's dresses. Serial No. 386,609; Feb. 23. Class 39.

Taylor and Bate, Limited. (See Brewing Corporation of Canada Limited.)

Taylor and Williams Distilleries, Inc., Louisville, Ky. Whiskey. Serial No. 385,952; Feb. 23. Class 49.

Tempex Manufacturing Co. Inc., New York, N. Y. Glass surgical appliances, glass syringes, ampoules, etc. Serial No. 385,956; Feb. 23. Class 44.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticides. Serial No. 386,608; Feb. 23. Class 6.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticides. Serial No. 386,615; Feb. 23. Class 6.

Tru-Fit Undergarment Corporation, Brooklyn, N. Y. Women's and children's undergarments. Serial No. 386,828; Feb. 23. Class 39.

Truhu Silk Corporation, New York, N. Y. Women's and misses' hats, coats, dresses, etc. Serial No. 386,877; Feb. 23. Class 39.

Tung-Sol Lamp Works Inc., Newark, N. J. Incandescent lamp bulbs, radio tubes and valves, etc. Serial No. 385,498; Feb. 23. Class 21.

United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Insignia badges. Serial No. 386,824; Feb. 23. Class 50.

United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Safety pins. Serial No. 386,827; Feb. 23. Class 40.

United Feature Syndicate, Inc., New York, N. Y. Comic drawing. Serial No. 386,063; Feb. 23. Class 38.

U. S. Oil Company, East Providence, R. I. Lubricating oils and greases. Serial No. 385,868; Feb. 23. Class 15.

Venus Foundation Garments Inc., doing business as Nature's Rival Co., Chicago, Ill., and Garrett, Ind. Fitted garments for women and children. Serial No. 371,402; Feb. 23. Class 39.

Vimpep Foods, Inc., Cambridge, Md. Canned food. Serial No. 387,446; Feb. 23. Class 46.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial No. 386,002; Feb. 23. Class 49.

Wallerstein Company, Inc., New York, N. Y. Enzymatic product. Serial No. 385,710; Feb. 23. Class 4.

Wamsutta Mills, New Bedford, Mass. Outer shirts, shorts, slacks, etc. Serial No. 386,465; Feb. 23. Class 39.

Watchemoket Optical Company, East Providence, R. I. Optical occluders. Serial No. 386,829; Feb. 23. Class 44.

Watch-Motor Mainspring Co., Inc., New York, N. Y. Mainsprings for watches. Serial No. 372,493; Feb. 23. Class 27.

Weatherall, Charles, doing business as Youth Medicine Co., Detroit, Mich. Diuretic preparation. Serial No. 385,329; Feb. 23. Class 6.

Wellington Sears Company, Boston, Mass. Waterproofed sateen, corduroy, and suiting. Serial No. 385,712; Feb. 23. Class 50.

Western Chemical Company of Kansas City, Missouri, Kansas City, Mo. Chemical for creating and maintaining an alkaline condition in boiler, etc., systems. Serial No. 385,320; Feb. 23. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Wetumpka Fruit Company, Hastings, Fla. Fresh citrus fruits and fresh vegetables. Serial No. 387,052; Feb. 23. Class 46.

Wetumpka Fruit Company, Hastings and Lowell, Fla. Fresh citrus fruits and fresh vegetables. Serial No. 387,053; Feb. 23. Class 46.

Wheeler, William R., Harwichport, Cape Cod, Mass. Cranberries. Serial No. 376,316; Feb. 23. Class 46.

Whelan Drug Stores Delaware Corporation, New York, N. Y. Astringent tonic, cold cream, muscle oil, etc. Serial No. 382,848; Feb. 23. Class 6.

Wid's Films and Film Folk, Inc., New York, N. Y. Periodical. Serial No. 386,513; Feb. 23. Class 38.

Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Fluid fuel heaters. Serial No. 385,617; Feb. 23. Class 34.

Wolf, Jacques, & Co., Clifton, N. J. Chemical preparation for tanning leather. Serial No. 385,374; Feb. 23. Class 6.

Woodburn, T. R., Printing Co., doing business as The Highway News, Terre Haute, Ind. Monthly publication. Serial No. 384,913; Feb. 23. Class 38.

Youth Medicine Co. (See Weatherall, Charles.)

Zion National Kosher Sausage Factory, Inc., New York, N. Y. Salami and bologna. Serial No. 385,273; Feb. 23. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Aberfoyle Manufacturing Co., Chester, Pa. Cotton yarn. 343,491; Feb. 23; Serial No. 382,651; published Dec. 8, 1936. Class 43.

Adelman, Arthur, doing business as Continental Undergarment Co., Brooklyn, N. Y. Ladies' panties. 343,509; Feb. 23; Serial No. 383,289; published Dec. 15, 1936. Class 39.

Agfa Ansco Corporation, Binghamton, N. Y. Photographic chemicals and particularly for photographic developer. 343,524–5; Feb. 23; Serial Nos. 383,667–8; published Dec. 1, 1936. Class 6.

Airflow Blade Company, Cleveland, Ohio. Razor blades. 343,481; Feb. 23; Serial No. 382,332; published Dec. 15, 1936. Class 23.

American Art Clay Company, Indianapolis, Ind. White and colored chalk and oil crayons. 343,479; Feb. 23; Serial No. 382,299; published Dec. 15, 1936. Class 37.

American Artists' Color Works Inc., Brooklyn, N. Y. Concentrated paste paint. 343,613; Feb. 23; Serial No. 384,837; published Dec. 15, 1936. Class 16.

American Woolen Company, New York, N. Y. Woolen goods. 343,526–7; Feb. 23; Serial Nos. 383,669–70; published Dec. 15, 1936. Class 42.

B. & B. Manufacturing Co., Inc., Orange, N. J. Dresses, house dresses, wash frocks, etc. 343,544; Feb. 23; Serial No. 383,974; published Dec. 8, 1936. Class 39.

Basic Dolomite, Incorporated, Cleveland, Ohio. Prepared mineral ingredients. 343,517; Feb. 23; Serial No. 383,617; published Dec. 15, 1936. Class 1.

Baylis, Walter S., Los Angeles, Calif. Activated fuller's earth. 343,499; Feb. 23; Serial No. 383,001; published Dec. 15, 1936. Class 1.

Baylis, Walter S., Los Angeles, Calif. Activated fuller's earth. 343,506; Feb. 23; Serial No. 383,157; published Dec. 15, 1936. Class 1.

Beech-Nut Packing Company, Canajoharie, N. Y. Crackers. 343,557; Feb. 23; Serial No. 384,112; published Dec. 15, 1936. Class 46.

Benzofoam Products Co., The. (See Lesser, David B.)

Betts, George H., to Glebeas Importation Co. Inc., New York, N. Y., successor. Perfumes, toilet waters and face powders and face-creams. 110,912; renewed June 20, 1936.

Bird, M. T., & Co., Incorporated, Boston, Mass. Fibrous pulp coasters. 343,558; Feb. 23; Serial No. 384,115; published Dec. 15, 1936. Class 50.

Bissinger, Samuel M., doing business as S. M. Bissinger Co., New York, N. Y. Hosiery. 343,571; Feb. 23; Serial No. 384,238; published Dec. 8, 1936. Class 39.

Blackie, Robert G., doing business as Fermex Laboratories, Springfield, Mass. Antacid. 343,461; Feb. 23; Serial No. 380,095; published Dec. 8, 1936. Class 6.

Bobrick Dispenser Co. (See Feinson, Mac B.)

Bonaseptic Co. (See Bonn, Andrew B.)

Bonat & Bonat, Inc., New York, N. Y. Hair waving solution, hair rinse, hair tonic, etc. 343,496; Feb. 23; Serial No. 382,819; published Dec. 8, 1936. Class 6.

Bonn, Andrew B., doing business as Bonaseptic Co., Fairmont, W. Va. Foot lotion. 343,436; Feb. 23; Serial No. 372,160; published Dec. 8, 1936. Class 6.

Botany Worsted Mills, Passaic, N. J. Neckties. 343,598; Feb. 23; Serial No. 384,500; published Dec. 8, 1936. Class 39.

Brown Brothers Company, Gainesville, Ga. Liniment. 343,488; Feb. 23; Serial No. 382,546; published Dec. 8, 1936. Class 6.

Brown, Caroline, New York, N. Y. Corsets, girdles, foundation garments, etc. 343,482; Feb. 23; Serial No. 382,463; published Dec. 8, 1936. Class 39.

Brown Durrell Co., Boston, Mass., and New York, N. Y. Hosiery, underwear, bathing suits, etc. 343,586; Feb. 23; Serial No. 384,367; published Dec. 15, 1936. Class 39.

Buerger Brothers Supply Company, The, Denver, Colo. Perfume. 343,516; Feb. 23; Serial No. 383,613; published Dec. 1, 1936. Class 6.

Burroughs Adding Machine Company, Detroit, Mich. Business machines. 343,430; Feb. 23; Serial No. 367,890; published Dec. 15, 1936. Class 26.

Burroughs Adding Machine Company, Detroit, Mich. Typewriters, including platen twirlers, rubber feet, and rubber key tops. 343,467; Feb. 23; Serial No. 381,554; published Dec. 15, 1936. Class 23.

Cannon Shoe Company, Baltimore, Md. Lingerie. 343,587; Feb. 23; Serial No. 384,309; published Dec. 15, 1936. Class 39.

Cap-a-toe Company. (See Scharfeid, Maurice B.)

Capello, Mario, doing business as The Effior Co., Boston, Mass. Ammonia, germicide, disinfectants, etc. 343,559; Feb. 23; Serial No. 384,127; published Dec. 8, 1936. Class 6.

Carol, Kitty, Lingerie Co., San Antonio, Tex. Women's clothing. 343,468; Feb. 23; Serial No. 381,605; published Dec. 15, 1936. Class 39.

Carson Pirie Scott & Company, Chicago, Ill. Sheets and pillow cases. 343,596; Feb. 23; Serial No. 384,448; published Dec. 15, 1936. Class 42.

Cavendish Trading Corporation, New York, N. Y. Blankets, sheeting, comfortables, etc. 343,474; Feb. 23; Serial No. 382,036; published Dec. 15, 1936. Class 42.

Celanese Corporation of America, New York, N. Y. Yarns. 343,605; Feb. 23; Serial No. 384,580; published Dec. 15, 1936. Class 43.

Central Commercial Company, Chicago, Ill. Refined petroleum. 114,870; renewed Jan. 9, 1937.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Electric floor and table lamps. 343,621; Feb. 23. Class 21.

Christiana Machine Company, Christiana, Pa. Brake drums. 343,555; Feb. 23; Serial No. 384,071; published Dec. 15, 1936. Class 19.

Clark-Coleman Coal & Coke Co., Peoria, Ill. Coal and coke. 343,528; Feb. 23; Serial No. 383,675; published Dec. 15, 1936. Class 1.

Clark, Perry A., doing business as Imperial Food Products, Los Angeles, Calif. Preparation of spices, mineral salts, etc. 343,497; Feb. 23; Serial No. 382,822; published Dec. 8, 1936. Class 46.

Comolite Corporation, Long Island City, N. Y. Blended briar smoking pipes. 343,466; Feb. 23; Serial No. 381,394; published Dec. 15, 1936. Class 8.

Consolidated Hat Stores, Ltd., Los Angeles, Calif. Socks, shirts, and underclothing. 343,424; Feb. 23; Serial No. 356,282; published Dec. 15, 1936. Class 39.

Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Book papers, rotogravure and news print paper. 343,545; Feb. 23; Serial No. 383,987; published Dec. 15, 1936. Class 37.

Consolidation Coal Co., The, Baltimore, Md., to Consolidation Coal Company, New York, N. Y. Coal. 116,944; renewed June 5, 1937.

Continental Undergarment Co. (See Adelman, Arthur.)

Cooper, Morris, Baltimore, Md. Preparation for removing hair. 343,498; Feb. 23; Serial No. 382,906; published Dec. 1, 1936. Class 6.

Coscia, Charles P., Pittsburgh, Pa. Liquid paste and liquid thread. 343,472; Feb. 23; Serial No. 381,800; published Dec. 8, 1936. Class 5.

Crown Can Company, Philadelphia, Pa. Metal cans. 343,530; Feb. 23; Serial No. 383,721; published Dec. 15, 1936. Class 2.

Crown Manufacturing Company. (See Supplee-Biddle Hardware Co.)

D'Alpern, Eve, Pittsburgh, Pa. Face powder, toilet water, lotions, etc. 343,432; Feb. 23; Serial No. 369,444; published Dec. 8, 1936. Class 6.

Daniels Manufacturing Company, Rhinelander, Wis. Paper napkins and doilies. 343,577; Feb. 23; Serial No. 384,282; published Dec. 15, 1936. Class 37.

Darling & Company, Chicago, Ill. Bags. 343,546; Feb. 23; Serial No. 383,988; published Dec. 15, 1936. Class 2.

De Vilbiss, Lydia A., Miami, Fla. Vaginal antiseptic. 343,564; Feb. 23; Serial No. 384,201; published Dec. 8, 1936. Class 6.

Dreifus, Tichner & Eckstein, to Elsie Hosiery Co. Inc., New York, N. Y. Hosiery. 114,630; renewed Dec. 26, 1936.

Dunrite Trouser Company, New York, N. Y. Boys' pants and sport jackets. 343,556; Feb. 23; Serial No. 384,074; published Dec. 15, 1936. Class 39.

Eagle Clothes, New York, N. Y. Topcoats and overcoats. 343,612; Feb. 23; Serial No. 384,737; published Dec. 15, 1936. Class 39.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. 343,451; Feb. 23; Serial No. 377,384; published Dec. 15, 1936. Class 43.

Eaton Detroit Metal Company, Cleveland, Ohio. Combined carbonating and dispensing receptacle for liquids. 343,536; Feb. 23; Serial No. 383,837; published Dec. 15, 1936. Class 2.

Eberle Tanning Company, Westfield, Pa. Sole leather. 343,626; Feb. 23. Class 1.

Effior Co., The. (See Capello, Mario.)

Ekstrand Mfg. Co. Inc., New York, N. Y. Ash trays, ash receivers, cigar and cigarette rests, etc. 343,450; Feb. 23; Serial No. 377,291; published Dec. 15, 1936. Class 8.

Elsie Hosiery Co. Inc. (See Dreifus, Tichner & Eckstein.)

Ennis, John, Inc., Brooklyn, N. Y. Boots and shoes. 343,500; Feb. 23; Serial No. 383,010; published Dec. 8, 1936. Class 39.

Faber, A. W., Inc., Newark, N. J. Erasers. 343,476; Feb. 23; Serial No. 382,209; published Dec. 15, 1936. Class 37.

Farmview Stores Company, The, Cleveland, Ohio. Eggs. 343,501; Feb. 23; Serial No. 383,055; published Dec. 8, 1936. Class 46.

Fawcett, Frederick J., Boston, Mass. Yarns. 343,515; Feb. 23; Serial No. 383,611; published Dec. 15, 1936. Class 43.

Federal Razor Blade Company, The, Newark, N. J. Razor blades. 343,484; Feb. 23; Serial No. 382,508; published Dec. 15, 1936. Class 23.

Federal Razor Blade Company, The, Newark, N. J. Razor blades. 343,608; Feb. 23; Serial No. 384,656; published Dec. 15, 1936. Class 23.

Fehr, Frank, Brewing Company, Incorporated, Louisville, Ky. Ale. 343,599; Feb. 23; Serial No. 384,520; published Dec. 15, 1936. Class 48.

Feinson, Mac B., doing business as Bobrick Dispenser Co., New York, N. Y. Lather soap dispensers. 343,565; Feb. 23; Serial No. 384,204; published Dec. 15, 1936. Class 13.

Fermex Laboratories. (See Blackie, Robert G.)

Fern Andra Company, The. (See Koenig, Henry.)

Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 343,428–9; Feb. 23; Serial Nos. 367,788–9; published Dec. 8, 1936. Class 46.

Fletcher, Edgar G., Cincinnati, Ohio. Membraneous and rubber prophylactic articles. 343,458; Feb. 23; Serial No. 379,044; published Dec. 15, 1936. Class 44.

Ford, Frank R., Limited, Small Heath, Birmingham, England. Duplicating, manifolding, and copying apparatus. 343,457; Feb. 23; Serial No. 378,693; published Dec. 15, 1936. Class 23.

Foreman, Jules L., New York, N. Y. Piece goods. 343,582–3; Feb. 23; Serial Nos. 384,323–4; published Dec. 15, 1936. Class 42.

Fort Smith Coffee Company, Fort Smith, Ark. Roasted coffee. 114,740; renewed Jan. 2, 1937.

Fourco Glass Company, Clarksburg, W. Va. Sheet glass, flat glass, etc. 343,588; Feb. 23; Serial No. 384,376; published Dec. 15, 1936. Class 33.

Frankel Clothing Company, Des Moines, Iowa. Clothing. 343,508; Feb. 23; Serial No. 383,264; published Dec. 15, 1936. Class 39.

Freidell Winery Company, Inc., Hammondsport, N. Y. Wines. 343,562; Feb. 23; Serial No. 384,155; published Dec. 15, 1936. Class 47.

G. & L. Flli Cora Société Anonyme, Levallois-Perrett, France. Vermouth. 343,448; Feb. 23; Serial No. 376,843; published Dec. 15, 1936. Class 47.

Gates Rubber Company, The, Denver, Colo. Garden hose. 343,452; Feb. 23; Serial No. 377,390; published Dec. 15, 1936. Class 35.

Gelbman, Joseph, doing business as Quick J Laboratories Co., Pittsburgh, Pa. Ointment. 343,434; Feb. 23; Serial No. 370,411; published Dec. 8, 1936. Class 6.

Gelles, Charles S., Boston, Mass. Neckties and mufflers. 343,578; Feb. 23; Serial No. 384,290; published Dec. 8, 1936. Class 39.

Genco, Inc., Chicago, Ill. Coin controlled amusement apparatus. 343,620; Feb. 23. Class 22.

General Dyestuff Corporation, New York, N. Y. Dyes for leather. 343,535; Feb. 23; Serial No. 383,838; published Dec. 1, 1936. Class 6.

General Shoe Corporation, Nashville, Tenn. Shoes. 343,504; Feb. 23; Serial No. 383,127; published Dec. 8, 1936. Class 39.

General Time Instrument Corporation. (See Western Clock Co., assignor.)

Gettier-Montanye, Inc., Baltimore, Md. Mechanical pencils. 343,631; Feb. 23. Class 37.

Gilbert, William A., Milwaukee, Wis. Permanent waving pads. 343,485; Feb. 23; Serial No. 382,514; published Dec. 15, 1936. Class 44.

Gladding's Incorporated, Providence, R. I. Shoes. 343,431; Feb. 23; Serial No. 369,354; published Dec. 10, 1935. Class 39.

Glebeas Importation Co. Inc. (See Betts, George H.)

Goldstein & Levin, Philadelphia, Pa. Dresses. 343,600; Feb. 23; Serial No. 384,529; published Dec. 8, 1936. Class 39.

Goodman, Gerson, Tutelman Company, Philadelphia, Pa. Shirts. 343,570; Feb. 23; Serial No. 384,228; published Dec. 15, 1936. Class 39.

Goodwin's, N. C., Laboratory Inc., Brooklyn, N. Y. Preparation for the skin, for athlete's foot and ring worms. 343,437; Feb. 23; Serial No. 372,171; published Jan. 21, 1936. Class 6.

Grant, Dana H., New York, N. Y., assignor to Jaska Limited, Leicester, England. Dresses, coats, and lingerie. 343,601; Feb. 23; Serial No. 384,530; published Dec. 8, 1936. Class 39.

Gruen Watch Company, The, Cincinnati, Ohio. Wrist watch straps. 343,617; Feb. 23. Class 40.

Gude's, Los Angeles, Calif. Hosiery. 343,572; Feb. 23; Serial No. 384,252; published Dec. 8, 1936. Class 39.

Hanes Associated Mills Inc., New York, N. Y. Hosiery. 343,445; Feb. 23; Serial No. 374,619; published Mar. 31, 1936. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 343,589; Feb. 23; Serial No. 384,378; published Dec. 8, 1936. Class 39.

Hays Corporation, The, Michigan City, Ind. Gas analyzers. 343,573; Feb. 23; Serial No. 384,254; published Dec. 15, 1936. Class 26.

Hed-Tone Company, to G. C. Thomsen, Waco, Tex., successor. Preparation for the treatment of headaches, fever, etc. 115,084; renewed Jan. 23, 1937.

Hercules Powder Company. (See Paper Makers Chemical Corporation, assignor.)

Hercules Powder Company, Wilmington, Del. High explosive. 343,615; Feb. 23; Serial No. 385,122; published Dec. 15, 1936. Class 9.

Heresite & Chemical Company, Manitowoc, Wis. Varnishes, baking enamels and synthetic resin. 343,609; Feb. 23; Serial No. 384,659; published Dec. 15, 1936. Class 16.

Homan Shoe Co., Inc., Philadelphia, Pa. Ladies' shoes. 343,566; Feb. 23; Serial No. 384,212; published Dec. 8, 1936. Class 39.

Hopfinger & Roth, to Ho-Ro-Co Manufacturing Company, St. Louis, Mo., successor. Hair-dressing. 116,644; renewed May 15, 1937.

Ho-Ro-Co Manufacturing Company. (See Hopfinger & Roth.)

Houbigant, Inc., New York, N. Y. Perfume, toilet water, skin lotion, etc. 343,502–3; Feb. 23; Serial Nos. 383,060–1; published Dec. 8, 1936. Class 6.

Houghton, E. F., & Co., Philadelphia, Pa. Pickling compounds. 343,547; Feb. 23; Serial No. 384,000; published Dec. 8, 1936. Class 6.

Houghton, E. F., & Co., Philadelphia, Pa. Carburizers used in the treatment of steel. 343,548; Feb. 23; Serial No. 384,001; published Dec. 8, 1936. Class 6.

Huber, J. M., Inc., New York, N. Y. Carbon black. 343,518; Feb. 23; Serial No. 383,622; published Dec. 1, 1936. Class 6.

Hughes, Charles P., Chicago, Ill. Creams, lotions, perfumes, etc. 343,519; Feb. 23; Serial No. 383,623; published Dec. 8, 1936. Class 6.

Huston, Mack, doing business as Smokers Gum Company, Columbus, Ga., and Knoxville, Tenn. Chewing gum. 343,433; Feb. 23; Serial No. 370,325; published Dec. 15, 1936. Class 46.

Imperial Food Products. (See Clark, Perry A.)

Industrial Abrasives, Incorporated, Chicago, Ill. Abrading elements. 343,594; Feb. 23; Serial No. 384,421; published Dec. 8, 1936. Class 4.

Iodine Corporation of America, Los Angeles, Calif. Iodine tablets. 343,441; Feb. 23; Serial No. 373,607; published May 26, 1936. Class 6.

Jaska Limited. (See Grant, Dana H.)

Jersey-Creme Company, doing business as The Julep Company, Fort Worth, Tex., and Chicago, Ill. Imitation vanilla flavor for foods, Worcestershire sauce, steak sauce, etc. 343,531; Feb. 23; Serial No. 383,742; published Dec. 15, 1936. Class 46.

Jock Shoes Limited, London, England. Boots, shoes, sandals, and slippers. 343,475; Feb. 23; Serial No. 382,146; published Dec. 8, 1936. Class 39.

Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. 343,459; Feb. 23; Serial No. 379,301; published Dec. 8, 1936. Class 39.

Julep Company, The. (See Jersey-Creme Company.)

Kaplan, Louis, Incorporated, New York, N. Y. Coats, suits, pants, etc. 343,551; Feb. 23; Serial No. 384,037; published Dec. 8, 1936. Class 39.

Kaplan Rice Mill, Inc., Kaplan, La. Rice. 343,624; Feb. 23. Class 46.

Karpen, S., & Bros., Chicago, Ill. Chairs. 343,469; Feb. 23; Serial No. 381,765; published Dec. 15, 1936. Class 32.

Keene Washing Products Co., Keene, N. H. Household cleanser. 343,462; Feb. 23; Serial No. 380,287; published Dec. 8, 1936. Class 4.

Kenilworth Mfg. Co., Inc., New York, N. Y. Piece goods. 343,520; Feb. 23; Serial No. 383,629; published Dec. 15, 1936. Class 42.

Klaso Garment Co., Inc., St. Louis, Mo. Dresses. 343,602; Feb. 23; Serial No. 384,536; published Dec. 8, 1936. Class 39.

Knightstown Funeral Car Co., Inc., Knightstown, Ind. Bodies for ambulances and funeral cars. 343,425; Feb. 23; Serial No. 361,807; published Dec. 15, 1936. Class 19.

Koenig, Harry D., New York, N. Y. Face powder, lip stick, face rouge, etc. 343,533; Feb. 23; Serial No. 383,810; published Dec. 1, 1936. Class 6.

Koenig, Henry, doing business as The Fern Andra Company, Chicago, Ill. Cleansing cream. 343,616; Feb. 23. Class 6.

Kole, Lessing L., doing business as Kolmar Laboratories, Milwaukee, Wis. Rouge, lipsticks, loose powder, etc. 343,480; Feb. 23; Serial No. 382,315; published Dec. 8, 1936. Class 6.

Kolmar Laboratories. (See Kole, Lessing L.)

Krajowa Fabryka Konserw "Kaefka" Spolka, Warsaw, Poland. Sprats. 343,440; Feb. 23; Serial No. 372,842; published Dec. 8, 1936. Class 46.

Kraus, Walter S., Woodside, N. Y. Infants' toilet training seats. 343,493; Feb. 23; Serial No. 382,699; published Dec. 15, 1936. Class 13.

Krebs Pigment & Color Corporation, Wilmington, Del. Paint pigments. 343,579; Feb. 23; Serial No. 384,293; published Dec. 15, 1936. Class 16.

Laboratorios Soliris, S. A., Habana, Cuba. Specific for the eyes. 343,439; Feb. 23; Serial No. 372,628; published Nov. 24, 1936. Class 6.

Langley Fabrics, Inc., New York, N. Y. Piece goods. 343,590; Feb. 23; Serial No. 384,380; published Dec. 15, 1936. Class 42.

Layton, Joseph E., Seattle, Wash. Beak guards for chickens or other fowls. 343,619; Feb. 23. Class 50.

Leavitt and Peirce, Incorporated, Cambridge, Mass. Cigarettes, cigars, and smoking tobacco. 343,453; Feb. 23; Serial No. 377,584; published Dec. 15, 1936. Class 17.

Lee, Frank H., Company, The, Danbury, Conn. Hats. 343,454; Feb. 23; Serial No. 377,877; published Dec. 1, 1936. Class 39.

Lelong, Lucien, Inc., Chicago, Ill. Perfume. 343,540; Feb. 23; Serial No. 383,931; published Dec. 8, 1936. Class 6.

Lesem Bach & Co. Incorporated, New York, N. Y. Linen, rayon, and cotton piece goods. 343,449; Feb. 23; Serial No. 377,051; published Dec. 15, 1936. Class 42.

Lesser, David B., doing business as The Benzoform Products Co., Chicago, Ill. Dry cleaning soap. 343,603; Feb. 23; Serial No. 384,540; published Dec. 8, 1936. Class 4.

Levering Laboratories, Inc., St. Louis, Mo. Nasal vaporizers. 343,682; Feb. 23. Class 44.

Ljungqvist, Axel O., Fornasa, Sweden. Cereal products. 343,456; Feb. 23; Serial No. 378,443; published Dec. 8, 1936. Class 46.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Textile fabrics. 343,442; Feb. 23; Serial No. 373,698; published Dec. 15, 1936. Class 42.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Textile fabrics. 343,444; Feb. 23; Serial No. 373,739; published Dec. 15, 1936. Class 42.

Mabex Co., The, Philadelphia, Pa. Insecticides. 343,538; Feb. 23; Serial No. 383,889; published Dec. 8, 1936. Class 6.

MacFarland, Hays, and Company, doing business as Togo, Chicago, Ill. Preparation for the treatment of athlete's foot. 343,537; Feb. 23; Serial No. 383,884; published Dec. 8, 1936. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Men's shoes. 343,539; Feb. 23; Serial No. 383,890; published Dec. 8, 1936. Class 39.

Magnetic Battery Mfg. & Equip. Co., Detroit, Mich. Storage batteries. 343,443; Feb. 23; Serial No. 373,699; published Dec. 15, 1936. Class 21.

Makransky, S., & Sons, Philadelphia, Pa. Dress trousers and slacks. 343,591; Feb. 23; Serial No. 384,385; published Dec. 8, 1936. Class 39.

Makransky, S., & Sons, Philadelphia, Pa. Suits, coats, vests, etc. 343,604; Feb. 23; Serial No. 384,543; published Dec. 8, 1936. Class 39.

May Department Stores, The, New York, N. Y.; Cleveland and Akron, Ohio; Baltimore, Md.; St. Louis, Mo.; Denver, Colo.; and Los Angeles, Calif. Dresses. 343,592; Feb. 23; Serial No. 384,386; published Dec. 15, 1936. Class 39.

McAtee Newell Coffee Co., Inc., The. (See Steinwender-Stoffregen Coffee Co.)

McCook, Walter, Philadelphia, Pa. Hand knitting yarn. 343,549; Feb. 23; Serial No. 384,004; published Dec. 15, 1936. Class 43.

McLaughlin-Owen Company, Chicago, Ill. Shampoo, wave set, hair tonic, etc. 343,495; Feb. 23; Serial No. 382,758; published Nov. 17, 1936. Class 6.

Meincke, A. M., & Son, Inc., Chicago, Ill. Sizing for paper and textiles. 343,622; Feb. 23. Class 6.

Metered Check System, Incorporated, New York, N. Y. Check books. 343,464; Feb. 23; Serial No. 381,131; published Dec. 15, 1936. Class 37.

Miller Corsets, Inc., Canandaigua, N. Y. Corsets, girdles, and corset-brassière combinations. 343,455; Feb. 23; Serial No. 378,219; published Dec. 8, 1936. Class 39.

Miller, Louis, doing business as Louis Miller and Co., New York, N. Y. Shirts, blouses, undershirts, etc. 343,606; Feb. 23; Serial No. 384,594; published Dec. 15, 1936. Class 39.

Mitchell & Weber, Inc., New York, N. Y. Blouses. 343,580; Feb. 23; Serial No. 384,296; published Dec. 8, 1936. Class 39.

Munising Paper Company, to The Munising Paper Company, Munising, Mich., successor. Bond paper and waxing-paper. 115,102; renewed Jan. 23, 1937.

Musselman, John J., Watertown, N. Y. Beverages and syrups for making the same. 343,627; Feb. 23. Class 45.

N & B Laboratories. (See Ney, Ronald E.)

National Food Products Co., New Orleans, La. Alimentary paste. 343,552; Feb. 23; Serial No. 384,046; published Dec. 8, 1936. Class 46.

Netzel, E. G., Los Angeles, Calif. Anti-acid, carminative, digestant, and laxative. 343,550; Feb. 23; Serial No. 384,007; published Dec. 8, 1936. Class 6.

Ney, Ronald E., doing business as N & B Laboratories, Harrisonburg, Va. Preparation for relief of athlete's foot. 343,536; Feb. 23; Serial No. 383,850; published Dec. 8, 1936. Class 6.

Nobs Dehydrating Corporation, Los Angeles, Calif. Chemical. 343,470; Feb. 23; Serial No. 381,775; published Dec. 8, 1936. Class 6.

Northern Kraft Association, Chicago, Ill. Rolls of kraft paper. 343,560; Feb. 23; Serial No. 384,133; published Dec. 15, 1936. Class 37.

Northwestern Barb Wire Company, Sterling, Ill. Corn cribs. 343,510; Feb. 23; Serial No. 383,540; published Dec. 15, 1936. Class 2.

Northwestern Barb Wire Company, Sterling, Ill. Corn cribs. 343,511; Feb. 23; Serial No. 383,542; published Dec. 15, 1936. Class 2.

Nyal Company, Detroit, Mich. Dental plate powder. 343,623; Feb. 23. Class 6.

Old Reliable Laboratories, Incorporated, Ashland, Ky. Preparation for the relief of athlete's foot and common fungus skin infections. 343,553; Feb. 23; Serial No. 384,048; published Dec. 8, 1936. Class 6.

Pacific Car and Foundry Company, Seattle and Renton, Wash. Bus bodies. 343,625; Feb. 23. Class 19.

Pan-Dent Laboratories. (See Syl-May Drugs Co.)

Paper Makers Chemical Corporation, assignor to Hercules Powder Company, Wilmington, Del. Compound of chloramine-T and sodium bicarbonate. 343,532; Feb. 23; Serial No. 383,779; published Dec. 8, 1936. Class 6.

Parker, Ernest T., doing business as Parker Products Company, Abilene, Tex. Chemical ink eradicator. 343,628; Feb. 23. Class 6.

Parr Electric Export Corporation, Brooklyn, N. Y. Electrical conduits. 343,607; Feb. 23; Serial No. 384,625; published Dec. 15, 1936. Class 21.

Patons & Baldwins, Limited, Halifax, England. Yarns of wool worsted, or hair. 343,477; Feb. 23; Serial No. 382,232; published Dec. 8, 1936. Class 43.

Patterson, Ralph J., doing business as R. J. Patterson Co., Des Moines, Iowa. Hair oil and dandruff remover. 343,486; Feb. 23; Serial No. 382,520; published Dec. 8, 1936. Class 6.

Pearson Candy Company, Minneapolis, Minn. Confectionery product. 343,427; Feb. 23; Serial No. 366,685; published Dec. 8, 1936. Class 46.

Pepperell Manufacturing Company, Boston, Mass. Textile fabrics in the piece. 343,567; Feb. 23; Serial No. 384,217; published Dec. 15, 1936. Class 42.

Pequot Spring Water Co., The, Hartford, Conn. Spring water, and beverages and sirups and extracts for making the same. 343,563; Feb. 23; Serial No. 384,164; published Dec. 15, 1936. Class 45.

Pioneer Paper Co., by change of name to Pioneer-Flintkote Company, Los Angeles, Calif. Roofing paper and felt, and prepared roofing. 114,378; renewed Dec. 12, 1936.

Porsin, Henri A. E., Paris, France. Preparation used in the treatment of rheumatism, sciatica, etc. 343,471; Feb. 23; Serial No. 381,810; published Dec. 8, 1936. Class 6.

Portland Flouring Mills Company, Portland, Oreg., assignor, by mesne assignments, to Sperry Flour Company, San Francisco, Calif. Flour. 117,200; renewed June 19, 1937.

Prim-Era Hosiery Mills, Chester, Ill. Hosiery. 343,593; Feb. 23; Serial No. 384,390; published Dec. 8, 1936. Class 39.

Prince Matchabelli Perfumery, Inc., New York, N. Y. Lipsticks, perfumes, face powder compacts, and face powder. 343,512; Feb. 23; Serial No. 383,545; published Dec. 1, 1936. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Cooking-fat. 114,822; renewed Jan. 2, 1937.

Quick J Laboratories Co. (See Gelbman, Joseph.)

Rare Chemicals, Inc., Nepera Park, N. Y. Preparation for the treatment of infections due to pneumococcic organisms. 343,426; Feb. 23; Serial No. 362,788; published Dec. 8, 1936. Class 6.

Rebold, Rudolph, New York, N. Y. Insecticides, fungicides, germicides, etc. 343,507; Feb. 23; Serial No. 383,226; published Dec. 8, 1936. Class 6.

Reliance Manufacturing Company, doing business as The Sterling Company, Chicago, Ill. Dresses. 343,611; Feb. 23; Serial No. 384,719; published Dec. 15, 1936. Class 39.

Reynolds Preserving Company, The, Sturgeon Bay, Wis. Canned cherry juice. 343,465; Feb. 23; Serial No. 381,220; published Dec. 8, 1936. Class 46.

Richter, F. Ad., & Co. Inc., Brooklyn, N. Y. Hemorrhoidal suppositories and ointment. 343,584; Feb. 23; Serial No. 384,336; published Dec. 8, 1936. Class 6.

Robinson, Mrs. James S., doing business as James S. Robinson, Apothecary, Memphis, Tenn. Medicinal Preparation. 343,541; Feb. 23; Serial No. 383,943; published Dec. 8, 1936. Class 6.

Rogers, Charles, doing business as Rogers Drug Company, Astoria, N. Y. Preparation for the relief of coughs. 343,447; Feb. 23; Serial No. 376,735; published Dec. 8, 1936. Class 6.

Rosengart, Sylvain, Paris, France. Liquid treatment for diseases and affections of the eyes. 343,513; Feb. 23; Serial No. 383,601; published Dec. 1, 1936. Class 6.

Russell, Clara, Flint, Mich. Preparation for cancers. 343,521; Feb. 23; Serial No. 383,645; published Dec. 1, 1936. Class 6.

Russell, Isaiah D., doing business as I. D. Russell Company, Kansas City, Mo. Poultry medicines. 343,489; Feb. 23; Serial No. 382,617; published Dec. 8, 1936. Class 6.

Salzman, David, New York, N. Y. Astringent lotion, lemon rinse concentrate, ammonia, etc. 343,633; Feb. 23. Class 6.

Santa Paula Orange Assn., Santa Paula, Calif. Fresh citrus fruits. 343,542; Feb. 23; Serial No. 383,948; published Dec. 8, 1936. Class 46.

Scharfeld, Manrice B., doing business as Cap-a-toe Company, Cleveland, Ohio. Hosiery protectors. 343,575; Feb. 23; Serial No. 384,272; published Dec. 1, 1936. Class 39.

Schuylkill Silk Mills, by change of name to Vanity Fair Silk Mills, Reading, Pa. Silk cloth. 116,985; renewed June 5, 1937.

Screen and Stage Make-Up by Elizabeth Arden Ltd., Hollywood, Calif. Eyelash make-up, lip rouge, foundation cream, face powder, rouge. 343,618; Feb. 23. Class 6.

Sears, Roebuck and Co., Chicago, Ill. House cleaning devices. 343,574; Feb. 23; Serial No. 384,270; published Dec. 15, 1936. Class 29.

Sears, Roebuck and Co., Chicago, Ill. Boys' clothing. 343,595; Feb. 23; Serial No. 384,440; published Dec. 8, 1936. Class 39.

Selby Shoe Co., The, Portsmouth, Ohio. Women's shoes. 343,463; Feb. 23; Serial No. 380,972; published Sept. 15, 1936. Class 39.

Seminole Drug Company, Lebanon, Pa. Medicinal preparation. 343,568; Feb. 23; Serial No. 384,219; published Dec. 8, 1936. Class 6.

Sewell Manufacturing Company, Bremen, Ga. Men's suits. 343,581; Feb. 23; Serial No. 384,303; published Dec. 15, 1936. Class 39.

Shapiro, Carl J., New York, N. Y. Sanitary napkins. 343,446; Feb. 23; Serial No. 376,550; published Dec. 15, 1936. Class 44.

Sirian Lamp Company, Newark, N. J. Electrical incandescent lamps for therapeutic uses. 343,487; Feb. 23; Serial No. 382,533; published Dec. 15, 1936. Class 44.

Skol Products Co. Inc., now by change of name Skol Company, Inc., Mount Kisco, N. Y. Antiseptic and germicide. 343,554; Feb. 23; Serial No. 384,054; published Dec. 8, 1936. Class 6.

Smokers Gum Company. (See Huston, Mack.)

Somerset Shoe Co., Auburn, Maine. Shoes. 343,529; Feb. 23; Serial No. 383,691; published Dec. 8, 1936. Class 39.

Sperry Flour Company. (See Portland Flouring Mills Company.)

Spicer and Company, Glendale, Calif. Preparation for the treatment of boils and other staphylococcic infections. 343,561; Feb. 23; Serial No. 384,142; published Dec. 8, 1936. Class 6.

Stanis. (See Stanley, Sinclair G.)

Stanley, Sinclair G., doing business as Stanis, Chicago, Ill. Herb tea. 343,492; Feb. 23; Serial No. 382,680; published Dec. 8, 1936. Class 6.

Stedman Company, The, Beaumont, Tex. Writing pads, composition books, note books, etc. 343,494; Feb. 23; Serial No. 382,730; published Dec. 15, 1936. Class 37.

Steinwender-Stoffregen Coffee Co., St. Louis, Mo., to The McAtee Newell Coffee Co., Inc., Bloomington, Ill., successor. Roasted coffee. 111,387; renewed July 11, 1936.

Sterling Company, The. (See Reliance Manufacturing Company.)

Stoughton Grain Co., Stoughton, Mass. Mixed poultry feeds and dried yeast. 343,630; Feb. 23. Class 46.

Supplee-Biddle Hardware Co., doing business as Crown Manufacturing Company, Philadelphia, Pa. Base balls, fielders' gloves, tennis rackets, etc. 343,614; Feb. 23; Serial No. 385,073; published Dec. 15, 1936. Class 22.

Syl-May Drugs Co., doing business as Pan-Dent Laboratories, Stamford, Conn. Magnesia tablets, papain and bile salts, antiseptic, etc. 343,400; Feb. 23; Serial No. 379,856; published Dec. 8, 1936. Class 6.

Texas Harvest Hat Company, Laredo, Tex. Hats. 343,569; Feb. 23; Serial No. 384,223; published Dec. 8, 1936. Class 39.

Thallon, John, & Co. Inc., New York, N. Y. Canned hams. 343,478; Feb. 23; Serial No. 382,246; published Dec. 8, 1936. Class 46.

Thomsen, G. C. (See Hed-Tone Company.)

Togo. (See MacFarland, Hays, and Company.)

Tokalon Chemical Corporation, New York, N. Y. Face powder. 343,514; Feb. 23; Serial No. 383,604; published Dec. 1, 1936. Class 6.

Tokalon Chemical Corporation, New York, N. Y. Skin cream. 343,522; Feb. 23; Serial No. 383,658; published Dec. 1, 1936. Class 6.

Tokalon Chemical Corporation, New York, N. Y. Face powder. 343,523; Feb. 23; Serial No. 383,659; published Dec. 1, 1936. Class 6.

Tornello, Carmelo, doing business as C. Tornello & Co., Youngstown, Ohio. Wines. 343,543; Feb. 23; Serial No. 383,961; published Dec. 15, 1936.

True, Dr. J. F., & Company, Inc., Auburn, Maine. Vermifuge and medicines for indigestion, etc. 343,629; Feb. 23. Class 6.

United Scientific Laboratories, Inc., New York, N. Y. Inter-office radio communicating devices. 343,435; Feb. 23; Serial No. 370,437; published Dec. 15, 1936. Class 21.

Vanity Fair Silk Mills. (See Schuylkill Silk Mills.)

Vassar Company, Chicago, Ill. Underwear, bandeaus, girdles, etc. 343,505; Feb. 23; Serial No. 383,148; published Dec. 8, 1936. Class 39.

Victor Balata & Textile Belting Co., Easton, Pa., and New York, N. Y. Balata and cotton belting. 343,610; Feb. 23; Serial No. 384,697; published Dec. 15, 1936. Class 35.

Walker-Turner Company, Inc., Plainfield, N. J. Electric motors and switches. 343,576; Feb. 23; Serial No. 384,277; published Dec. 15, 1936. Class 21.

Waltham Watch Company, assignor to Waltham Watch Company, Waltham, Mass. Watches, watchcases, all parts of watches and watch-movements. 114,912; renewed Jan. 9, 1937.

Warshaw, Isadore, Albany, N. Y. Non-electrical advertising billboards. 343,473; Feb. 23; Serial No. 381,924; published Dec. 15, 1936. Class 50.

Wellington Sears Company, Boston, Mass. Cotton piece goods. 343,585; Feb. 23; Serial No. 384,346; published Dec. 15, 1936. Class 42.

Wenderoth, Osmund L., Baltimore, Md. Cookie and biscuit baking pans. 343,490; Feb. 23; Serial No. 382,643; published Dec. 15, 1936. Class 13.

Western Clock Co., Peru, Ill., assignor, by mesne assignments, to General Time Instruments Corporation, New York, N. Y. Clocks and watches. 114,914; renewed Jan. 9, 1937.

White, H. Kirk, & Co., Oconomowoc, Wis. Glass cleanser. 343,597; Feb. 23; Serial No. 384,488; published Dec. 8, 1936. Class 4.

Willheim, William, Company, Inc., New York, N. Y. Silk, cotton, and rayon piece goods. 343,483; Feb. 23; Serial No. 382,495; published Dec. 15, 1936. Class 42.

Ybry, Inc., Wilmington, Del., and New York, N. Y. Perfumes and lotions. 343,423; Feb. 23; Serial No. 353,831; published Dec. 8, 1936. Class 6.

Zon, Inc., New York, N. Y. Preparation for use in the treatment of the hair and scalp. 343,438; Feb. 23; Serial No. 372,262; published Mar. 24, 1936. Class 6.

LIST OF REGISTRANTS OF LABELS

Adlerika Company, The, St. Paul, Minn. Adla Tablets. For Stomach Tablets. 48,969; Feb. 23.

American Bakeries Co., Atlanta, Ga. Debs. For Butter Crackers. 48,970; Feb. 23.

Anderson Box Company, Indianapolis, Ind. Baby Chicks. For Baby Chick. 48,971; Feb. 23.

Antrol Laboratories, Inc., Los Angeles, Calif. Antrol. For Ant Traps. 48,972; Feb. 23.

Antrol Laboratories, Inc., Los Angeles, Calif. Flyrol. For a Household Insecticide. 48,973; Feb. 23.

Autographic Register Company, Hoboken, N. J. Durographic Carbon Paper. For Carbon Paper. 48,974; Feb. 23.

Blaize Blue Razor Blade Co., Detroit, Mich. B B B Blaize Blue Razor Blade. For Razor Blades. 48,975; Feb. 23.

Bonita Fruit Sales Co., Inc., Davenport, Fla. Sky Peak. For Citrus Fruits. 48,976; Feb. 23.

Bonita Fruit Sales Co., Inc., Davenport, Fla. Lazy Bones. For Citrus Fruits. 48,977; Feb. 23.

Bowman, Abram S., doing business as A. Smith Bowman Distillery, Sunset Hills, Va. Virginia Gentleman. For Straight Bourbon Whiskey. 48,978; Feb. 23.

Brown, Arthur C., doing business as Cord-Wire Anchor Company, New York, N. Y. Cord-Wire Anchors. For Cord-Wire Anchors. 48,979; Feb. 23.

Buglio, Ralph, doing business as R. Buglio Beer Distributors, Chicago, Ill. Jockey Club. For Beer. 48,980; Feb. 23.
Chapman, Harry J., doing business as Chappy Craft Industries, Chelsea, Mich. Peg-A-Picture. For a Toy. 48,981; Feb. 23.
Chappell Bros. Inc., Rockford, Ill. Bird-E-Ration. For Mixed Bird Seed. 48,982; Feb. 23.
Chappy Craft Industries. (See Chapman, Harry J.)
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Bear Brand Shoes. For Shoes. 48,983; Feb. 23.
Comfort Paper Corporation, San Francisco, Calif. Buy 3 Rolls and Get 1 Roll Free. For Toilet Tissue. 48,984; Feb. 23.
Comfort Paper Corporation, San Francisco, Calif. Get One Roll for ½ Price. For Toilet Tissue. 48,985; Feb. 23.
Cord-Wire Anchor Company. (See Brown, Arthur C.)
De Luca, Henry, doing business as De Luca Chemical Company, New York, N. Y. De Luca Solution. For an External Application or Solution for Use on Skin Diseases. 48,986; Feb. 23.
Dermo-D-Laboratories. (See Dull, Maude V.)
Dull, Maude V., doing business as Dermo-D-Laboratories, Richland Center, Wis. Dermo-D. For Skin Lotion. 48,987; Feb. 23.
Famous Products Company. (See Neumann, Morton G.)
Fidelio Brewery Inc., New York, N. Y. McSorley's Ale. For Ale. 48,988; Feb. 23.
Fine Foods, Inc., Seattle, Wash. Ditto. For Canned Peas. 48,989; Feb. 23.
Gaston, William, New York, N. Y. Gingerbread Cookies. For Cookies. 48,990; Feb. 23.
General Motors Corporation, Dayton, Ohio. Delco Hydraulic Brake Service Part. For Hydraulic Brake Service Parts. 48,991; Feb. 23.
Hall, Martin L., Company, Boston, Mass. Harvard Club. For Coffee. 48,992; Feb. 23.
Higby, Ed. B., Mobile, Ala. Normal. For a Drugless, Intestinal Food Corrective for Constipation. 48,993; Feb. 23.
Hirsch, Norman E., St. Louis, Mo. Quenchor. For a Thirst-Quenching Beverage. 48,994; Feb. 23.
Hoague-Sprague Corporation, Lynn, Mass. Esquire Shoes. For Boxes. 48,995; Feb. 23.
Hoague-Sprague Corporation, Lynn, Mass. Esquire. For Boxes. 48,996; Feb. 23.
Hoague-Sprague Corporation, Lynn, Mass. De Luxe Footwear. For Boxes. 48,997; Feb. 23.
Horrocks-Ibbotson Company, Utica, N. Y. South Sea Perma-Mesh Spiral Gears Salt Water Reel. For Fishing Reels. 48,998; Feb. 23.
Indoor Games Co. (See Reader, Samuel J.)
Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Glo-Coat Enamel. For Enamel. 48,999; Feb. 23.
Lahr, John L. F., Harrisburg, Pa. Pilot. For a Salve. 49,000; Feb. 23.
Levenson, Max, doing business as Pennsylvania Liquor Imports Company, Pittsburgh, Pa. Max's Corn. For Corn Whiskey. 49,001; Feb. 23.
Le Vine, Dr. N., Chicago, Ill. Whiteeth. For Tooth Brushes. 49,002; Feb. 23.
Mechling's Brothers Chemical Company, Camden, N. J. Mechling's Klor-Kal. For Calcium Chloride. 49,003; Feb. 23.
Mitchellite Laboratories, The, San Antonio, Tex. Mit. For Insect Spray and Sprayers. 49,004; Feb. 23.
National Refining Company, The, Cleveland, Ohio. National Plastic Roof Cote. For a Heavy, Elastic and Durable Material for Sealing Cracks and Holes in Roofs of all Types. 49,005–6; Feb. 23.
National Refining Company, The, Cleveland, Ohio. National Oil Soap. For Oil Soap. 49,007; Feb. 23.
Neumann, Morton G., doing business as Famous Products Company, Chicago, Ill. Aunt Sally's Lucky Dream Incense. For Incense. 49,008; Feb. 23.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Cocoanut Oil Shampoo. For Emulsified Cocoanut Oil Shampoo. 49,009; Feb. 23.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Valmor Mentho Vapor Salve. For Vapor Salve. 49,010; Feb. 23.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Valmor Cough Syrup. For Cough Syrup. 49,011; Feb. 23.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Valmor Buchu Compound Little Blue Pills. For Buchu Compound Diuretic Pills. 49,012; Feb. 23.
New England Fish Company, Seattle, Wash. Seal of Quality. For Canned Salmon. 49,013; Feb. 23.
New England Fish Company, Seattle, Wash. Superb Salmon. For Canned Salmon. 49,014; Feb. 23.
New York Knitting Mills, Inc., New York, N. Y. This Is a Genuine Valcuna Garment. For Garments. 49,015; Feb. 23.
Pennsylvania Liquor Imports Company. (See Levinson, Max.)
Reader, Samuel J., doing business as Indoor Games Co., Minneapolis, Minn. Bernie Bierman's Champions. For a Game. 49,016; Feb. 23.
Roberts, Sally P., doing business as Sally Roberts, New York, N. Y. Tru-Curve. For Nail Polish and Applicators Thereof. 49,017; Feb. 23.
Schoenling Brewing & Ice Co., The, doing business as The Schoenling Brewing Co., Cincinnati, Ohio. Schoenling Beer. For Beer. 49,018; Feb. 23.
Skinner, F. L., Dunedin, Fla. Eatswell. For Citrus Fruit. 49,019; Feb. 23.
Stanton Brewery, Inc., The, Troy, N. Y. Stanton. For Lager Beer. 49,020; Feb. 23.
Stanton Brewery, Inc., The, Troy, N. Y. Stanton. For Amber Ale. 49,021; Feb. 23.
Stanton Brewery, Inc., The, Troy, N. Y. Stanton. For Pale Ale. 49,022; Feb. 23.
Steinecke, R., Co., Passaic, N. J. Antonio Aragon. For Cigars. 49,023; Feb. 23.
Sterling Wine & Liquor Corporation, St. Paul, Minn. Battle Creek. For Whiskey. 49,024; Feb. 23.
Valmor Products Company. (See Neumann, Morton G.)
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Revelation Burs. For Dental Burrs. 49,025; Feb. 23.

LIST OF REGISTRANTS OF PRINTS

Ames, Fred. W., doing business as Ames Germicides, New Orleans, La. Germicidal Dip. For a Germicidal Dip. 16,080; Feb. 23.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Hickory Nuts 18¢ Lb. For Candy and Nuts. 16,081; Feb. 23.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Santa Claus Made of Pure Chocolate. For Candy and Nuts. 16,082; Feb. 23.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Candy. For Hand-Dipped Assorted Chocolates. 16,083; Feb. 23.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. What is it? For Cashew-Nuts. 16,084; Feb. 23.
Baldwin Laboratories, Inc., Saegertown, Pa. Only Dwin Has It. For a Household Insect Killer. 16,085; Feb. 23.
Coast Insulating Corporation, Los Angeles, Calif. Acoustite Rock Wool Composition. For a Plastic Building Material Developed for the Absorption of Sound. 16,086–7; Feb. 23.
Cream of Wheat Corporation, The, Minneapolis, Minn. It's Fun to be Young! For Wheat Breakfast Food. 16,088; Feb. 23.
Hewison, Charles B., Rensselaer, N. Y. Stock Exchange. For a Game. 16,089; Feb. 23.
Larrowe Milling Company, The, Detroit, Mich. For Brood Sows and Growing Pigs. For Pig and Hog Feed. 16,090; Feb. 23.
Markwell Manufacturing Company, Inc., New York, N. Y. Presenting Markwell Fastener. For Fasteners. 16,091; Feb. 23.
McNally, Andrew, Wilmar, Calif. Fyffe's Goora Admees Embrocation. For a Liniment. 16,092; Feb. 23.
Mueller Electric Company, Cleveland, Ohio. Mueller Special Line Battery and Test Clips. For Battery and Test Clips. 16,093; Feb. 23.
Mueller Electric Company, Cleveland, Ohio. Universal Battery and Test Clips. For Battery and Test Clips. 16,094; Feb. 23.
Prairie Farmer, The, Chicago, Ill. The WLS Detector. For Poultry and Cattle Markers. 16,095; Feb. 23.
Royal Milling Company, Minneapolis, Minn. My Oven Never Seems to Work Right. For Flour. 16,096; Feb. 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Consolidation Coal Co. 116,944; renewed June 5, 1937.
Coal and coke. Clark-Coleman Coal & Coke Co. 343,528; Feb. 23; Serial No. 383,675; published Dec. 15, 1936.
Earth, Activated fuller's. W. S. Baylis. 343,499; Feb. 23; Serial No. 383,001; published Dec. 15, 1936.
Earth, Activated fuller's. W. S. Baylis. 343,506; Feb. 23; Serial No. 383,157; published Dec. 15, 1936.
Leather, Sole. Eberle Tanning Company. 343,626; Feb. 23.

Mineral ingredients, Prepared. Basic Dolomite, Incorporated. 343,517; Feb. 23; Serial No. 383,617; published Dec. 15, 1936.

CLASS 2

Bags. Darling & Company. 343,546; Feb. 23; Serial No. 383,988; published Dec. 15, 1936.
Cans, Metal. Crown Can Company. 343,530; Feb. 23; Serial No. 383,721; published Dec. 15, 1936.
Corn cribs. Northwestern Barb Wire Company. 343,510; Feb. 23; Serial No. 383,540; published Dec. 15, 1936.
Corn cribs. Northwestern Barb Wire Company. 343,511; Feb. 23; Serial No. 383,542; published Dec. 15, 1936.
Receptacle for liquids, Combined carbonating and dispensing. Eaton Detroit Metal Company. 343,534; Feb. 23; Serial No. 383,837; published Dec. 15, 1936.

CLASS 4

Abrading elements. Industrial Abrasives, Incorporated. 343,594; Feb. 23; Serial No. 384,421; published Dec. 8, 1936.
Cleanser, Glass. H. Kirk White & Co. 343,597; Feb. 23; Serial No. 384,488; published Dec. 8, 1936.
Cleanser, Household. Keene Washing Products Co. 343,462; Feb. 23; Serial No. 380,287; published Dec. 8, 1936.
Soap, Dry cleaning. D. B. Lesser. 343,603; Feb. 23; Serial No. 384,540; published Dec. 8, 1936.

CLASS 5

Paste and liquid thread, Liquid. C. P. Coscia. 343,472; Feb. 23; Serial No. 381,890; published Dec. 8, 1936.

CLASS 6

Ammonia, germicide, disinfectants, etc. M. Cappello. 343,559; Feb. 23; Serial No. 384,127; published Dec. 8, 1936.
Antacid. R. G. Blackie. 343,461; Feb. 23; Serial No. 380,095; published Dec. 8, 1936.
Anti-acid, carminative, digestant, and laxative. E. G. Netzel. 343,550; Feb. 23; Serial No. 384,007; published Dec. 8, 1936.
Antiseptic and germicide. Skol Products Co. Inc. 343,554; Feb. 23; Serial No. 384,054; published Dec. 8, 1936.
Antiseptic, Vaginal. L. A. DeVilbiss. 343,564; Feb. 23; Serial No. 384,201; published Dec. 8, 1936.
Astringent lotion, lemon rinse concentrate, ammonia, etc. D. Salzman. 343,633; Feb. 23.
Carbon black. J. M. Huber, Inc. 343,518; Feb. 23; Serial No. 383,622; published Dec. 1, 1936.
Carburizers used in the treatment of steel. E. F. Houghton & Co. 343,548; Feb. 23; Serial No. 384,001; published Dec. 8, 1936.
Chemical. Nobs Dehydrating Corporation. 343,470; Feb. 23; Serial No. 381,775; published Dec. 8, 1936.
Compound of chloramine-T and sodium bicarbonate. Paper Makers Chemical Corporation. 343,532; Feb. 23; Serial No. 383,779; published Dec. 8, 1936.
Cream, Cleansing. H. Koenig. 343,616; Feb. 23.
Cream, Skin. Tokalon Chemical Corporation. 343,522; Feb. 23; Serial No. 383,658; published Dec. 1, 1936.
Creams, lotions, perfumes, etc. C. P. Hughes. 343,519; Feb. 23; Serial No. 383,623; published Dec. 8, 1936.
Dyes for leather. General Dyestuff Corporation. 343,535; Feb. 23; Serial No. 383,838; published Dec. 1, 1936.
Eyelash make-up, lip rouge, foundation cream, face powder, rouge. Screen and Stage Make-Up by Elizabeth Arden Ltd. 343,618; Feb. 23.
Hair-dressing. Hopfinger & Roth. 116,644; renewed May 15, 1937.
Hair oil and dandruff remover. R. J. Patterson. 343,486; Feb. 23; Serial No. 382,520; published Dec. 8, 1936.
Hair waving solution, hair rinse, hair tonic, etc. Bonat & Bonat, Inc. 343,496; Feb. 23; Serial No. 382,819; published Dec. 8, 1936.
Herb tea. S. G. Stanley. 343,492; Feb. 23; Serial No. 382,680; published Dec. 8, 1936.
Ink eradicator, Chemical. E. T. Parker. 343,628; Feb. 23.
Insecticides. Mabex Co. 343,538; Feb. 23; Serial No. 383,889; published Dec. 8, 1936.
Insecticides, fungicides, germicides, etc. R. Rebold. 343,507; Feb. 23; Serial No. 383,226; published Dec. 8, 1936.
Iodine tablets. Iodine Corporation of America. 343,441; Feb. 23; Serial No. 373,607; published May 26, 1936.
Liniment. Brown Brothers Company. 343,488; Feb. 23; Serial No. 382,546; published Dec. 8, 1936.
Lipsticks, perfumes, face powder compacts, and face powder. Prince Matchabelli Perfumery, Inc. 343,512; Feb. 23; Serial No. 383,545; published Dec. 1, 1936.
Liquid treatment for diseases and affections of the eyes. S. Rosengart. 343,513; Feb. 23; Serial No. 383,601; published Dec. 1, 1936.
Lotion, Foot. A. B. Bonn. 343,436; Feb. 23; Serial No. 372,160; published Dec. 8, 1936.
Magnesia tablets, papain and bile salts, antiseptic, etc. Syl-May Drugs Co. 343,460; Feb. 23; Serial No. 379,856; published Dec. 8, 1936.
Medicinal preparation. Mrs. J. S. Robinson. 343,541; Feb. 23; Serial No. 383,943; published Dec. 8, 1936.
Medicinal preparation. Seminole Drug Company. 343,568; Feb. 23; Serial No. 384,219; published Dec. 8, 1936.
Medicines, Poultry. I. D. Russell. 343,489; Feb. 23; Serial No. 382,617; published Dec. 8, 1936.
Ointment. J. Gelbman. 343,434; Feb. 23; Serial No. 370,411; published Dec. 8, 1936.
Perfume. Buerger Brothers Supply Company. 343,516; Feb. 23; Serial No. 383,613; published Dec. 1, 1936.
Perfume. Lucien Lelong Inc. 343,540; Feb. 23; Serial No. 383,931; published Dec. 8, 1936.
Perfume, toilet water, skin lotion, etc. Houbigant, Inc. 343,502–3; Feb. 23; Serial No. 383,060–1; published Dec. 8, 1936.
Perfumes and lotions. Ybry, Inc. 343,423; Feb. 23; Serial No. 353,831; published Dec. 8, 1936.
Perfumes, toilet-waters and face powders and creams. G. H. Betts. 110,912; renewed June 20, 1936.
Petroleum, Refined. Central Commercial Company. 114,870; renewed Jan. 9, 1937.
Photographic chemicals and particularly for photographic developer. Agfa Ansco Corporation. 343,524–5; Feb. 23; Serial No. 383,667–8; published Dec. 1, 1936.
Pickling compounds. E. F. Houghton & Co. 343,547; Feb. 23; Serial No. 384,000; published Dec. 8, 1936.
Powder, Dental plate. Nyal Company. 343,623; Feb. 23.
Powder, Face. Tokalon Chemical Corporation. 343,514; Feb. 23; Serial No. 383,604; published Dec. 1, 1936.
Powder, Face. Tokalon Chemical Corporation. 343,523; Feb. 23; Serial No. 383,659; published Dec. 1, 1936.
Powder, lipstick, face rouge, etc., Face. H. D. Koenig. 343,533; Feb. 23; Serial No. 383,810; published Dec. 1, 1936.
Powder, toilet waters, lotions, etc., Face. E. d'Alpern. 343,432; Feb. 23; Serial No. 369,444; published Dec. 8, 1936.
Preparation for cancers. C. Russell. 343,521; Feb. 23; Serial No. 383,645; published Dec. 1, 1936.
Perparation for relief of athlete's foot. R. E. Ney. 343,536; Feb. 23; Serial No. 383,850; published Dec. 8, 1936.
Preparation for removing hair. M. Cooper. 343,498; Feb. 23; Serial No. 382,906; published Dec. 1, 1936.
Preparation for the relief of athlete's foot and common fungus skin infections. Old Reliable Laboratories, Incorporated. 343,553; Feb. 23; Serial No. 384,048; published Dec. 8, 1936.
Preparation for the relief of coughs. C. Rogers. 343,447; Feb. 23; Serial No. 376,735; published Dec. 8, 1936.
Preparation for the skin, athlete's foot and ring worms. N. C. Goodwin's Laboratory Inc. 343,437; Feb. 23; Serial No. 372,171; published Jan. 21, 1936.
Preparation for the treatment of athlete's foot. Hays MacFarland and Company. 343,537; Feb. 23; Serial No. 383,884; published Dec. 8, 1936.
Preparation for the treatment of boils and other staphylococcic infections. Spicer and Company. 343,561; Feb. 23; Serial No. 384,142; published Dec. 8, 1936.
Preparation for the treatment of headaches, fever, etc. Hed-Tone Company. 115,084; renewed Jan. 23, 1937.
Preparation for the treatment of infections due to pneumococcic organisms. Rare Chemicals, Inc. 343,426; Feb. 23; Serial No. 362,788; published Dec. 8, 1936.
Preparation for use in the treatment of the hair and scalp. Zon, Inc. 343,438; Feb. 23; Serial No. 372,262; published Mar. 24, 1936.
Preparation used in the treatment of rheumatism, sciatica, etc. H. A. E. Porsin. 343,471; Feb. 23; Serial No. 381,810; published Dec. 8, 1936.
Rouge, lipsticks, loose powder, etc. L. L. Kole. 343,480; Feb. 23; Serial No. 382,315; published Dec. 8, 1936.
Shampoo, wave set, hair tonic, etc. McLaughlin-Owen Company. 343,495; Feb. 23; Serial No. 382,758; published Nov. 17, 1936.
Sizing for paper and textiles. A. M. Meincke & Son, Inc. 343,622; Feb. 23.
Specific for the eyes. Laboratorios Soliris, S. A. 343,439; Feb. 23; Serial No. 372,628; published Nov. 24, 1936.
Suppositories and ointment, Hemorrhoidal. F. Ad. Richter & Co. Inc. 343,584; Feb. 23; Serial No. 384,336; published Dec. 8, 1936.
Vermifuge and medicines for indigestion, etc. Dr. J. F. True & Company. 343,629; Feb. 23.

CLASS 8

Ash trays, ash receivers, cigar and cigarette rests, etc. Ekstrand Mfg. Co. Inc. 343,450; Feb. 23; Serial No. 377,291; published Dec. 15, 1936.
Pipes, Blended briar smoking. Comolite Corporation. 343,466; Feb. 23; Serial No. 381,394; published Dec. 15, 1936.

CLASS 9

Explosive, High. Hercules Powder Company. 343,615; Feb. 23; Serial No. 385,122; published Dec. 15, 1936.

CLASS 12

Roofing paper and felt, and prepared roofing. Pioneer Paper Co. 114,378; renewed Dec. 12, 1936.

CLASS 13

Dispensers, Lather soap. M. B. Feinson. 343,565; Feb. 23; Serial No. 384,204; published Dec. 15, 1936.

Pans, Cookie and biscuit baking. O. L. Wenderoth. 343,490; Feb. 23; Serial No. 382,643; published Dec. 15, 1936.
Seats, Infants' toilet training. W. S. Kraus. 343,493; Feb. 23; Serial No. 382,600; published Dec. 15, 1936.

CLASS 16

Paint, Concentrated paste. American Artists' Color Works Inc. 343,613; Feb. 23; Serial No. 384,837; published Dec. 15, 1936.
Pigments, Paint. Krebs Pigment & Color Corporation. 343,579; Feb. 23; Serial No. 384,293; published Dec. 15, 1936.
Varnishes, baking enamels and synthetic resin. Heresite & Chemical Company. 343,609; Feb. 23; Serial No. 384,659; published Dec. 15, 1936.

CLASS 17

Cigarettes, cigars, and smoking tobacco. Leavitt and Peirce, Incorporated. 343,453; Feb. 23; Serial No. 377,584; published Dec. 15, 1936.

CLASS 19

Bodies for ambulances and funeral cars. Knightstown Funeral Car Co. 343,425; Feb. 23; Serial No. 361,807; published Dec. 15, 1936.
Brake drums. Christiana Machine Company. 343,555; Feb. 23; Serial No. 384,071; published Dec. 15, 1936.
Bus bodies. Pacific Car and Foundry Company. 343,625; Feb. 23.

CLASS 21

Batteries, Storage. Magnetic Battery Mfg. & Equip. Co. 343,443; Feb. 23; Serial No. 373,699; published Dec. 15, 1936.
Electrical conduits. Parr Electric Export Corporation. 343,607; Feb. 23; Serial No. 384,625; published Dec. 15, 1936.
Lamps, Electric floor and table. Chase Brass & Copper Co. Incorporated. 343,621; Feb. 23.
Motors and switches, Electric. Walker-Turner Company. 343,576; Feb. 23; Serial No. 384,277; published Dec. 15, 1936.
Radio communicating device, Inter-office. United Scientific Laboratories, Inc. 343,435; Feb. 23; Serial No. 370,437; published Dec. 15, 1936.

CLASS 22

Amusement apparatus, Coin controlled. Genco, Inc. 343,620; Feb. 23.
Base balls, fielders' gloves, tennis rackets, etc. Supplee-Biddle Hardware Co. 343,614; Feb. 23; Serial No. 385,073; published Dec. 15, 1936.

CLASS 23

Duplicating, manifolding, and copying apparatus. Frank R. Ford Limited. 343,457; Feb. 23; Serial No. 378,693; published Dec. 15, 1936.
Razor blades. Airflow Blade Company. 343,481; Feb. 23; Serial No. 382,332; published Dec. 15, 1936.
Razor blades. Federal Razor Blade Company. 343,484; Feb. 23; Serial No. 382,508; published Dec. 15, 1936.
Razor blades. Federal Razor Blade Company. 343,608; Feb. 23; Serial No. 384,656; published Dec. 15, 1936.
Typewriters, including platen twirlers, rubber feet, and rubber key tops. Burroughs Adding Machine Company. 343,467; Feb. 23; Serial No. 381,554; published Dec. 15, 1936.

CLASS 26

Business machines. Burroughs Adding Machine Company. 343,430; Feb. 23; Serial No. 367,890; published Dec. 15, 1936.
Gas analyzers. Hays Corporation. 343,573; Feb. 23; Serial No. 384,254; published Dec. 15, 1936.

CLASS 27

Clocks and watches. Western Clock Co. 114,914; renewed Jan. 9, 1937.
Watches, watchcases, all parts of watches and watch-movements. Waltham Watch Company. 114,912; renewed Jan. 9, 1937.

CLASS 29

Cleaning devices, House. Sears, Roebuck and Co. 343,574; Feb. 23; Serial No. 384,270; published Dec. 15, 1936.

CLASS 32

Chairs. S. Karpen & Bros. 343,469; Feb. 23; Serial No. 381,765; published Dec. 15, 1936.

CLASS 33

Glass, flat glass, etc., Sheet. Fourco Glass Company. 343,588; Feb. 23; Serial No. 384,376; published Dec. 15, 1936.

CLASS 35

Belting, Balata and cotton. Victor Balata & Textile Belting Co. 343,610; Feb. 23; Serial No. 384,697; published Dec. 15, 1936.
Hose, Garden. Gates Rubber Company. 343,452; Feb. 23; Serial No. 377,390; published Dec. 15, 1936.

CLASS 37

Books, Check. Metered Check System, Incorporated 343,464; Feb. 23; Serial No. 381,131; published Dec 15, 1936.
Chalk and oil crayons, White and colored. American Art Clay Company. 343,479; Feb. 23; Serial No. 382,299; published Dec. 15, 1936.
Erasers. A. W. Faber, Inc. 343,476; Feb. 23; Serial No. 382,209; published Dec. 15, 1936.
Pads, composition books, note books, etc., Writing. Stedman Company. 343,494; Feb. 23; Serial No. 382,730; published Dec. 15, 1936.
Paper and waxing-paper, Bond. Munising Paper Company. 115,102; renewed Jan. 23, 1937.
Paper napkins and doilies. Daniels Manufacturing Company. 343,577; Feb. 23; Serial No. 384,282; published Dec. 15, 1936.
Paper, Rolls of kraft. Northern Kraft Association. 343,560; Feb. 23; Serial No. 384,133; published Dec. 15, 1936.
Paper, rotogravure and news print paper, Book. Consolidated Water Power & Paper Company. 343,545; Feb. 23; Serial No. 383,987; published Dec. 15, 1936.
Pencils, Mechanical. Gettler-Montanye, Inc. 343,631; Feb. 23.

CLASS 39

Blouses. Mitchell & Weber, Inc. 343,580; Feb. 23; Serial No. 384,296; published Dec. 8, 1936.
Boots and shoes. John Ennis, Inc. 343,500; Feb. 23; Serial No. 383,010; published Dec. 8, 1936.
Boots, shoes, sandals, and slippers. Jock Shoes Limited. 343,475; Feb. 23; Serial No. 382,146; published Dec. 8, 1936.
Clothing. Frankel Clothing Company. 343,508; Feb. 23; Serial No. 383,264; published Dec. 15, 1936.
Clothing, Boys'. Sears, Roebuck and Co. 343,595; Feb. 23; Serial No. 384,440; published Dec. 8, 1936.
Clothing, Women's. Kitty Carol Lingerie Co. 343,468; Feb. 23; Serial No. 381,605; published Dec. 15, 1936.
Coats, suits, pants, etc. Louis Kapian, Incorporated. 343,551; Feb. 23; Serial No. 384,037; published Dec. 8, 1936.
Corsets, girdles, and corset-brassière combinations. Miller Corsets, Inc. 343,455; Feb. 23; Serial No. 378,219; published Dec. 8, 1936.
Corsets, girdles, foundation garments, etc. C. Brown. 343,482; Feb. 23; Serial No. 382,463; published Dec. 8, 1936.
Dresses. Goldstein & Levin. 343,600; Feb. 23; Serial No. 384,529; published Dec. 8, 1936.
Dresses. Klaso Garment Co. 343,602; Feb. 23; Serial No. 384,536; published Dec. 8, 1936.
Dresses. May Department Stores. 343,592; Feb. 23; Serial No. 384,386; published Dec. 15, 1936.
Dresses, coats, and lingerie. D. H. Grant. 343,601; Feb. 23; Serial No. 384,530; published Dec. 8, 1936.
Dresses, house dresses, wash frocks, etc. B. & B. Manufacturing Co. 343,544; Feb. 23; Serial No. 383,974; published Dec. 8, 1936.
Dresses, Ladies'. Reliance Manufacturing Company. 343,611; Feb. 23; Serial No. 384,719; published Dec. 15, 1936.
Hats. Frank H. Lee Company. 343,454; Feb. 23; Serial No. 377,877; published Dec. 1, 1936.
Hats. Texas Harvest Hat Company. 343,569; Feb. 23; Serial No. 384,223; published Dec. 8, 1936.
Hosiery. S. M. Bissinger. 343,571; Feb. 23; Serial No. 384,238; published Dec. 8, 1936.
Hosiery. Dreifus, Tichner & Eckstein. 114,630; renewed Dec. 26, 1936.
Hosiery. Gude's. 343,572; Feb. 23; Serial No. 384,252; published Dec. 8, 1936.
Hosiery. Hanes Associated Mills, Inc. 343,445; Feb. 23; Serial No. 374,619; published Mar. 31, 1936.
Hosiery. Prim-Era Hosiery Mills, Inc. 343,593; Feb. 23; Serial No. 384,390; published Dec. 8, 1936.
Hosiery protectors. M. B. Scharfeld. 343,575; Feb. 23; Serial No. 384,272; published Dec. 1, 1936.
Hosiery, underwear, bathing suits, etc. Brown Durrell Co. 343,586; Feb. 23; Serial No. 384,367; published Dec. 15, 1936.
Lingerie. Cannon Shoe Company. 343,587; Feb. 23; Serial No. 384,369; published Dec. 15, 1936.
Necktles. Botany Worsted Mills. 343,598; Feb. 23; Serial No. 384,500; published Dec. 8, 1936.
Necktles and mufflers. C. S. Gelles. 343,578; Feb. 23; Serial No. 384,290; published Dec. 8, 1936.
Panties, Ladies'. A. Adelman. 343,509; Feb. 23; Serial No. 383,289; published Dec. 15, 1936.
Pants and sport jackets, Boys'. Dunrite Trouser Company. 343,556; Feb. 23; Serial No. 384,074; published Dec. 15, 1936.
Shirts. Gerson Goodman Tutelman Company. 343,570; Feb. 23; Serial No. 384,228; published Dec. 15, 1936.
Shirts, blouses, undershirts, etc. L. Miller. 343,606; Feb. 23; Serial No. 384,594; published Dec. 15, 1936.
Shoes. General Shoe Corporation. 343,504; Feb. 23; Serial No. 383,127; published Dec. 8, 1936.
Shoes. Gladding's Incorporated. 343,431; Feb. 23; Serial No. 369,354; published Dec. 10, 1935.

Shoes. Johnson-Stephens & Shinkle Shoe Company. 343,459; Feb. 23; Serial No. 379,301; published Dec. 8, 1936.
Shoes. Somerset Shoe Co. 343,529; Feb. 23; Serial No. 383,691; published Dec. 8, 1936.
Shoes, Ladies'. Homan Shoe Co. 343,566; Feb. 23; Serial No. 384,212; published Dec. 8, 1936.
Shoes, Men's. R. H. Macy & Co. 343,539; Feb. 23; Serial No. 383,890; published Dec. 8, 1936.
Shoes, Women's. Selby Shoe Co. 343,463; Feb. 23; Serial No. 380,972; published Sept. 15, 1936.
Socks, shirts, and underclothing. Consolidated Hat Stores, Ltd. 343,424; Feb. 23; Serial No. 356,282; published Dec. 15, 1936.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 343,589; Feb. 23; Serial No. 384,378; published Dec. 8, 1936.
Suits, coats, vests, etc. S. Makransky & Sons. 343,604; Feb. 23; Serial No. 384,543; published Dec. 8, 1936.
Suits, Men's. Sewell Manufacturing Company. 343,581; Feb. 23; Serial No. 384,303; published Dec. 15, 1936.
Topcoats and overcoats. Eagle Clothes. 343,612; Feb. 23; Serial No. 384,737; published Dec. 15, 1936.
Trousers and slacks, Dress. S. Makransky & Sons. 343,591; Feb. 23; Serial No. 384,385; published Dec. 8, 1936.
Underwear, bandeaus, girdles, etc. Vassar Company. 343,505; Feb. 23; Serial No. 383,148; published Dec. 8, 1936.

CLASS 40

Straps, Wrist watch. Gruen Watch Company. 343,617; Feb. 23.

CLASS 42

Blankets, sheeting, comfortables, etc. Cavendish Trading Corporation. 343,474; Feb. 23; Serial No. 382,036; published Dec. 15, 1936.
Cotton piece goods. Wellington Sears Company. 343,585; Feb. 23; Serial No. 384,346; published Dec. 15, 1936.
Linen, rayon, and cotton piece goods. Lesem Bach & Co. Incorporated. 343,449; Feb. 23; Serial No. 377,051; published Dec. 15, 1936.
Piece goods. J. L. Foreman. 343,582–3; Feb. 23; Serial Nos. 384,323–4; published Dec. 15, 1936.
Piece goods. Kenilworth Mfg. Co. 343,520; Feb. 23; Serial No. 383,629; published Dec. 15, 1936.
Piece goods. Langley Fabrics, Inc. 343,590; Feb. 23; Serial No. 384,380; published Dec. 15, 1936.
Sheets and pillow cases. Carson Pirie Scott & Company. 343,596; Feb. 23; Serial No. 384,448; published Dec. 15, 1936.
Silk cloth. Schuylkill Silk Mills. 116,985; renewed June 5, 1937.
Silk, cotton, and rayon piece goods. William Willheim Company. 343,483; Feb. 23; Serial No. 382,495; published Dec. 15, 1936.
Textile fabrics. Lorraine Manufacturing Company. 343,442; Feb. 23; Serial No. 373,698; published Dec. 15, 1936.
Textile fabrics. Lorraine Manufacturing Company. 343,444; Feb. 23; Serial No. 373,739; published Dec. 15, 1936.
Textile fabrics. Pepperell Manufacturing Company. 343,567; Feb. 23; Serial No. 384,217; published Dec. 15, 1936.
Woolen goods. American Woolen Company. 343,526–7; Feb. 23; Serial Nos. 383,669–70; published Dec. 15, 1936.

CLASS 43

Yarn, Cotton. Aberfoyle Manufacturing Co. 343,491; Feb. 23; Serial No. 382,651; published Dec. 8, 1936.
Yarn, Hand knitting. W. McCook. 343,549; Feb. 23; Serial No. 384,004; published Dec. 15, 1936.
Yarns. Celanese Corporation of America. 343,605; Feb. 23; Serial No. 384,580; published Dec. 15, 1936.
Yarns. Eastyarn, Inc. 343,451; Feb. 23; Serial No. 377,384; published Dec. 15, 1936.
Yarns. F. J. Fawcett. 343,515; Feb. 23; Serial No. 383,611; published Dec. 15, 1936.
Yarns of wool, worsted or hair. Patons & Baldwins, Limited. 343,477; Feb. 23; Serial No. 382,232; published Dec. 8, 1936.

CLASS 44

Lamps for therapeutic uses, Electrical incandescent. Sirian Lamp Company. 343,487; Feb. 23; Serial No. 382,533; published Dec. 15, 1936.
Membraneous and rubber prophylactic articles. E. G. Fletcher. 343,458; Feb. 23; Serial No. 379,044; published Dec. 15, 1936.
Napkins, Sanitary. C. J. Shapiro. 343,446; Feb. 23; Serial No. 376,550; published Dec. 15, 1936.
Vaporizers, Nasal. Levering Laboratories, Inc. 343,632; Feb. 23.
Waving pads, Permanent. W. A. Gilbert. 343,485; Feb. 23; Serial No. 382,510; published Dec. 15, 1936.

CLASS 45

Beverages and syrups for making the same. J. J. Musselman. 343,627; Feb. 23.
Water and beverages and sirups and extracts for making the same, Spring. Pequot Spring Water Co. 343,563; Feb. 23; Serial No. 384,164; published Dec. 15, 1936.

CLASS 46

Alimentary paste. National Food Products Co. 343,552; Feb. 23; Serial No. 384,046; published Dec. 8, 1936.
Canned cherry juice. Reynolds Preserving Company. 343,465; Feb. 23; Serial No. 381,220; published Dec. 8, 1936.
Canned hams. John Thallon & Co. Inc. 343,478; Feb. 23; Serial No. 382,246; published Dec. 8, 1936.
Canned salmon. Fidalgo Island Packing Company. 343,428–9; Feb. 23; Serial Nos. 367,788–9; published Dec. 8, 1936.
Cereal products. A. O. Ljungqvist. 343,456; Feb. 23; Serial No. 378,443; published Dec. 8, 1936.
Coffee. Steinwender-Stoffregen Coffee Co. 111,387; renewed July 11, 1936.
Coffee, Roasted. Fort Smith Coffee Company. 114,740; renewed Jan. 2, 1937.
Confectionery product. Pearson Candy Company. 343,427; Feb. 23; Serial No. 366,685; published Dec. 8, 1936.
Crackers. Beech-Nut Packing Company. 343,557; Feb. 23; Serial No. 384,112; published Dec. 15, 1936.
Eggs. Farmview Stores Company. 343,501; Feb. 23; Serial No. 383,055; published Dec. 8, 1936.
Fat, Cooking. Procter & Gamble Company. 114,822; renewed Jan. 2, 1937.
Feeds and dried yeast. Mixed poultry. Stoughton Grain Co. 343,630; Feb. 23.
Flour. Portland Flouring Mills Company. 117,200; renewed June 9, 1937.
Fruits, Fresh citrus. Santa Paula Orange Assn. 343,542; Feb. 23; Serial No. 383,948; published Dec. 8, 1936.
Gum, Chewing. M. Huston. 343,433; Feb. 23; Serial No. 370,325; published Dec. 15, 1936.
Preparation of spices, mineral salts, etc. P. A. Clark. 343,497; Feb. 23; Serial No. 382,822; published Dec. 8, 1936.
Rice. Kaplan Rice Mill, Inc. 343,624; Feb. 23.
Sprats. Krajowa Fabryka Konserw "Kaefka" Spolka. 343,440; Feb. 23; Serial No. 372,842; published Dec. 8, 1936.
Vanilla flavor for foods, Worcestershire sauce, steak sauce, etc., Imitation. Jersey-Creme Company. 343,531; Feb. 23; Serial No. 383,742; published Dec. 15, 1936.

CLASS 47

Vermouth. F. & L. Flli Cora Société Anonyme. 343,448; Feb. 23; Serial No. 376,843; published Dec. 15, 1936.
Wines. Freidell Winery Company. 343,562; Feb. 23; Serial No. 384,155; published Dec. 15, 1936.
Wines. C. Tornello. 343,543; Feb. 23; Serial No. 383,961; published Dec. 15, 1936.

CLASS 48

Ale. Frank Fehr Brewing Company. 343,599; Feb. 23; Serial No. 384,520; published Dec. 15, 1936.

CLASS 50

Billboards, Non-electrical advertising. I. Warshaw. 343,473; Feb. 23; Serial No. 381,924; published Dec. 15, 1936.
Coasters, Fibrous pulp. M. T. Bird & Co. 343,558; Feb. 23; Serial No. 384,115; published Dec. 15, 1936.
Guard for chickens or other fowls, Beak. J. E. Layton. 343,619; Feb. 23.

LIST OF LABELS

Adla Tablets. For Stomach Tablets. Adlerika Company. 48,969; Feb. 23.

Antonio Aragon. For Cigars. R. Steinecke Co. 49,023; Feb. 23.

Antrol. For Ant Traps. Antrol Laboratories, Inc. 48,972; Feb. 23.

Aunt Sally's Lucky Dream Incense. For Incense. M. G. Neumann. 49,008; Feb. 23.

B B B Blaize Blue Razor Blade. For Razor Blades. Blaize Blue Razor Blade Co. 48,975; Feb. 23.

Baby Chicks. For Baby Chick. Anderson Box Company. 48,971; Feb. 23.

Battle Creek. For Whiskey. Sterling Wine & Liquor Corporation. 49,024; Feb. 23.

Bear Brand Shoes. For Shoes. M. B. Claff & Sons, Inc. 48,983; Feb. 23.

Bernie Bierman's Champions. For a Game. S. J. Reader. 49,016; Feb. 23.
Bird-E-Ration. For Mixed Bird Seed. Chappell Bros. Inc. 48,982; Feb. 23.
Buy 3 Rolls and Get 1 Roll Free. For Toilet Tissue. Comfort Paper Corporation. 48,984; Feb. 23.
Cord-Wire Anchors. For Cord-Wire Anchors. A. C. Brown. 48,979; Feb. 23.
Debs. For Butter Crackers. American Bakeries Co. 48,970; Feb. 23.
Delco Hydraulic Brake Service Part. For Hydraulic Brake Service Parts. General Motors Corporation. 48,991; Feb. 23.
De Luca Solution. For an External Application or Solution for Use on Skin Diseases. H. De Luca. 48,986; Feb. 23.
De Luxe Footwear. For Boxes. Hoague-Sprague Corporation. 48,997; Feb. 23.
Dermo-D. For Skin Lotion. M. V. Dull. 48,987; Feb. 23.
Ditto. For Canned Peas. Fine Foods, Inc. 48,989; Feb. 23.
Durographic Carbon Paper. For Carbon Paper. Autographic Register Company. 48,974; Feb. 23.
Eatswell. For Citrus Fruit. F. L. Skinner. 49,019; Feb. 23.
Esquire. For Boxes. Hoague-Sprague Corporation. 48,996; Feb. 23.
Esquire Shoes. For Boxes. Hoague-Sprague Corporation. 48,995; Feb. 23.
Flyrol. For a Household Insecticide. Antrol Laboratories, Inc. 48,973; Feb. 23.
Get One Roll For One-Half Price. For Toilet Tissue. Comfort Paper Corporation. 48,985; Feb. 23.
Gingerbreadman Cookies. For Cookies. W. Gaston. 48,990; Feb. 23, 1937.
Harvard Club. For Coffee. Martin L. Hall Company. 48,992; Feb. 23.
Jockey Club. For Beer. R. Buglio. 48,980; Feb. 23.
Johnson's Glo-Coat Enamel. For Enamel. S. C. Johnson & Son, Inc. 48,999; Feb. 23.
Lazy Bones. For Citrus Fruits. Bonita Fruit Sales Co. 48,977; Feb. 23.
Max's Corn. For Corn Whiskey. M. Levenson. 49,001; Feb. 23.
McSorley's Ale. For Ale. Fidelio Brewery Inc. 48,988; Feb. 23.
Mechling's Klor-Kal. For Calcium Chloride. Mechling Brothers Chemical Company. 49,003; Feb. 23.
Mit. For Insect Spray and Sprayers. Mitchellite Laboratories. 49,004; Feb. 23.
National Oil Soap. For Oil Soap. National Refining Company. 49,007; Feb. 23.
National Plastic Roof Cote. For a Heavy Elastic and Durable Material for Sealing Cracks and Holes in Roofs of all Types. National Refining Company. 49,005-6; Feb. 23.
Normal. For a Drugless, Intestinal Food Corrective for Constipation. E. B. Higby. 48,993; Feb. 23.
Peg-A-Picture. For a Toy. H. J. Chapman. 48,981; Feb. 23.
Pilot. For a Salve. J. L. F. Lahr. 49,000; Feb. 23.
Quencher. For a Thirst-Quenching Beverage. N. E. Hirsch. 48,994; Feb. 23.
Revelation Burs. For Dental Burrs. S. S. White Dental Manufacturing Company. 49,025; Feb. 23.
Schoenling Beer. For Beer. Schoenling Brewing & Ice Co. 49,018; Feb. 23.
Seal of Quality. For Canned Salmon. New England Fish Company. 49,013; Feb. 23.
Sky Peak. For Citrus Fruits. Bonita Fruit Sales Co. 48,976; Feb. 23.
South Sea Perma-Mesh Spiral Gears Salt Water Reel. For Fishing Reels. Horrocks-Ibbotson Company. 48,998; Feb. 23.
Stanton. For Lager Beer. Stanton Brewery, Inc. 49,020; Feb. 23.
Stanton. For Amber Ale. Stanton Brewery, Inc. 49,021; Feb. 23.
Stanton. For Pale Ale. Stanton Brewery, Inc. 49,022; Feb. 23.
Superb Salmon. For Canned Salmon. New England Fish Company. 49,014; Feb. 23.
Sweet Georgia Brown Cocoanut Oil Shampoo. For Emulsified Cocoanut Oil Shampoo. M. G. Neumann. 49,009; Feb. 23.
This Is a Genuine Valcuna Garment. For Garments. New York Knitting Mills, Inc. 49,015; Feb. 23.
Tru-Curve. For Nail Polish and Applicators Thereof. S. P. Roberts. 49,017; Feb. 23.
Valmor Buchu Compound Little Blue Pills. For Buchu Compound Diuretic Pills. M. G. Neumann. 49,012; Feb. 23.
Valmor Cough Syrup. For Cough Syrup. M. G. Neumann. 49,011; Feb. 23.
Valmor Mentho Vapor Salve. For Vapor Salve. M. G. Neumann. 49,010; Feb. 23.
Virginia Gentleman. For Straight Bourbon Whiskey. A. S. Bowman. 48,978; Feb. 23.
Whiteeth. For Tooth Brushes. Dr. N. Le Vine. 49,002; Feb. 23.

LIST OF PRINTS

Acoustite Rock Wool Composition. For a Plastic Building Material Developed for the Absorption of Sound. Coast Insulating Corporation. 16,086-7; Feb. 23.
Candy. For Hand-Dipped Assorted Chocolates. Awful Fresh MacFarlane. 16,083; Feb. 23.
For Brood Sows and Growing Pigs. For Pig and Hog Feed. Larrowe Milling Company. 16,090; Feb. 23.
Fyffe's Goora Admees Embrocation. For a Liniment. A. McNally. 16,092; Feb. 23.
Germicidal Dip. For a Germicidal Dip. F. W. Ames. 16,080; Feb. 23.
Hickory Nuts 18¢ Lb. For Candy and Nuts. Awful Fresh MacFarlane. 16,081; Feb. 23.
It's Fun to be Young! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,088; Feb. 23.
Mueller Special Line Battery and Test Clips. For Battery and Test Clips. Mueller Electric Company. 16,093; Feb. 23.
My Oven Never Seems to Work Right. For Flour. Royal Milling Company. 16,096; Feb. 23.
Only Dwin Has It. For a Household Insect Killer. Baldwin Laboratories, Inc. 16,085; Feb. 23.
Presenting Markwell Fastener. For Fasteners. Markwell Manufacturing Company. 16,091; Feb. 23.
Santa Claus Made of Pure Chocolate. For Candy and Nuts. Awful Fresh MacFarlane. 16,082; Feb. 23.
Stock Exchange. For a Game. C. B. Hewison. 16,089; Feb. 23.
The WLS Detector. For Poultry and Cattle Markers. Prairie Farmer. 16,095; Feb. 23.
Universal Battery and Test Clips. For Battery and Test Clips. Mueller Electric Company. 16,094; Feb. 23.
What is it? For Cashew-Nuts. Awful Fresh MacFarlane. 16,084; Feb. 23.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Cyanamid & Chemical Corporation. (See Davis, Clarke F., assignor.)
Davis, Clarke F., Short Hills, N. J., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Gypsum lumber. 20,275; Feb. 23.
Knauth, Elsa, New York, N. Y. Beauty appliance. 20,276; Feb. 23.
Libbey Glass Company. (See Schutz, Harold R., assignor.)
Schutz, Harold R., Ottawa Hills, assignor, by mesne assignments, to Libbey Glass Company, Toledo, Ohio. Banding machine. 20,277; Feb. 23.
Winter, John R., Detroit, Mich. Grease seal. 20,278; Feb. 23.

LIST OF DESIGN PATENTEES

Allen, John E., Chicopee Falls, and A. E. Benson, Springfield, assignors to The Fisk Rubber Corporation, Chicopee Falls, Mass. Tire. 103,293; Feb. 23.
American Gas Machine Company. (See Hanson, R. N., and Rasmussen, assignors.)
American Hard Rubber Company. (See Brady, William N., assignor.)
Andresen, Carl H. (See Norton, L. D., and Andresen.)
Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Electric shaving device. 103,294; Feb. 23.
Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Electric shaving device. 103,295; Feb. 23.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Ashley, Frank M., Great Kills, N. Y., assignor to L. Gompers, New York, N. Y., trustee. Inkstand. 103,296; Feb. 23.
Bancroft-Walker Company. (See Borda, Pasquale, assignor.)
Barrett, Kathryn S., Minneapolis, Minn. Spectacle frame or similar article. 103,297; Feb. 23.
Becker, George L. (See Stutsman, O. E., and Becker.)
Benson, Arthur E. (See Allen, J. E., and Benson.)
Berglund, Charles H., Worcester, Mass. Combination fuel stand and article support. 103,298; Feb. 23.
Bernstein, Irving H., and M. Pressiaff, New York, N. Y. Blouse. 103,366; Feb. 23.
Biva, Lucien, assignor to O. Timme, doing business as E. F. Timme & Son, New York, N. Y. Rug. 103,299; Feb. 23.
Biva, Lucien, assignor to O. Timme, doing business as E. F. Timme & Son, New York, N. Y. Rug. 103,300; Feb. 23.
Borda, Pasquale, Brooklyn, N. Y., assignor to Bancroft-Walker Company, Waltham, Mass. Shoe. 103,301; Feb. 23.
Brady, William N., Pierpont, assignor to American Hard Rubber Company, New York, N. Y. Combined comb and hook. 103,302; Feb. 23.
Brandt, Carl H., Hagerstown, Md. Extension table. 103,303; Feb. 23.
Breuer Electric Mfg. Co. (See Jonn, Tage G., assignor.)
Brown, Frank K., South Dartmouth, assignor to Continental Screw Company, New Bedford, Mass. Screw. 103,304; Feb. 23.
Bulldog Electric Products Company. (See Sundberg, C. W., and Ferar, assignors.)
Byers Machine Company, The. (See Lawson, George S., assignor.)
Capian, Jacob, Chicago, Ill. Merchandise dispensing stand. 103,305; Feb. 23.
Carr-Lowrey Glass Co. (See Funkey, John H., assignor.)
Champion Company, The. (See Spriggs, Arthur O., assignor.)
Cole, Gerard McL., assignor to General Transformer Corporation, Chicago, Ill. Transformer. 103,356; Feb. 23.
Conlon Corporation. (See Janda, Rudolph W., assignor.)
Conroy, Edward J., New Haven, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 103,306; Feb. 23.
Continental Screw Company. (See Brown, Frank K., assignor.)
Cooper, Morris, Chicago, Ill. Display container for fruit or similar article. 103,367; Feb. 23.
Cory, Harvey, Chicago, Ill. Funnel stand. 103,307; Feb. 23.
Covell, Harold S., Holland, Mich., assignor to Hart & Cooley Manufacturing Co., Dover, Del. Register. 103,308; Feb. 23.
Dictaphone Corporation. (See Norton, L. D., and Andresen, assignors.)
Dillman, Earnest J., Detroit, Mich. Air conditioning control casing. 103,309; Feb. 23.
Durksen, Theodore J., Oakland, Calif. Individual server serving tray. 103,310; Feb. 23.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 103,311; Feb. 23.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 103,312; Feb. 23.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 103,313; Feb. 23.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 103,314; Feb. 23.
Emmey, Charles, New York, N. Y. Alphabet for forming monograms for wearing apparel or similar article. 103,315; Feb. 23.
Ferar, Montgomery. (See Sundberg, C. W., and Ferar.)
Fisk Rubber Corporation, The. (See Allen, J. E., and Benson, assignors.)
Foote Bros. Gear and Machine Corporation. (See Peterson, Harry C., assignor.)
Franklin, Lester R., Chicago, Ill. Automobile hood ornament. 103,357; Feb. 23.
Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 103,316; Feb. 23.
General Fireproofing Company. (See Powell, Dwight, assignor.)
General Transformer Corporation. (See Cole, Gerard McL., assignor.)
Goldsmith, Samuel R., New York, N. Y. Handbag or similar article. 103,317; Feb. 23.
Goldstein, Melvin M., New York, N. Y. Slip. 103,368; Feb. 23.
Gompers, Lewis, trustee. (See Ashley, Frank M., assignor.)
Grotta, Joseph E., New York, N. Y. Gilet. 103,369; Feb. 23.
Guzy, Aaron, New York, N. Y. Dress. 103,370; Feb. 23.
Guzy, Aaron, New York, N. Y. Dress. 103,371; Feb. 23.
Hamilton, William A., Birmingham, Ala. Trolley pole head-enclosing insulator. 103,318; Feb. 23.
Hanson, Russell N., and S. Rasmussen, assignors to American Gas Machine Company, Albert Lea, Minn. Cooking stove. 103,319; Feb. 23.
Hart & Cooley Manufacturing Co. (See Covell, Harold S., assignor.)
Hegenberger, Alfred, Denver, Colo. Defrosting tool for ice cream cabinets. 103,320; Feb. 23.
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Hull, Walter E., Warren, Ohio. Magnetic compass. 103,321; Feb. 23.
Illsche, Arthur, Rye, N. Y. Sanitary lavatory brush container. 103,358; Feb. 23.
International Silver Company. (See Conroy, Edward J., assignor.)
Janda, Rudolph W., Berwyn, Ill., assignor to Conlon Corporation, Cicero, Ill. Ironing machine gear head. 103,322; Feb. 23.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Mill building. 103,323; Feb. 23.
Jones, Allan F., Jamestown, N. Y., assignor to Sack Incorporated, Boston, Mass. Drawer pull. 103,324; Feb. 23.
Jonn, Tage G., assignor to Breuer Electric Mfg. Co., Chicago, Ill. Combined portable vacuum cleaner and blower or similar article. 103,325; Feb. 23.
Kilham, Peter, Santa Fe, N. Mex. Heater casing or similar article. 103,326; Feb. 23.
Kolb, Fred A., Newark, N. J. Leather or similar article. 103,327; Feb. 23.
Kowal, Jack, Brooklyn, N. Y. Ornament for a shoe or similar article. 103,372; Feb. 23.
Kranz, Irwin, New York, N. Y. Dress. 103,373; Feb. 23.
Krause, Ralph J., New York, N. Y. Textile fabric. 103,328; Feb. 23.
Lang, Carl, New York, N. Y. Textile fabric. 103,329; Feb. 23.
La Valle, Placido D., New York, N. Y. Shoe or similar article. 103,330; Feb. 23.

Lawson, George S., Cleveland, assignor to The Byers Machine Company, Ravenna, Ohio. Enclosed cab for power shovels or similar devices. 103,333; Feb. 23.
Levine, Jacob, New York, N. Y. Shoe. 103,331; Feb. 23.
Lewis, Florence N., New York, N. Y. Ski kit. 103,359; Feb. 23.
Loewy, Raymond, New York, N. Y., assignor to Sears, Roebuck and Co., Chicago, Ill. Refrigerator. 103,332; Feb. 23.
Lomaistro, John, Miami, Fla. Display stand. 103,333; Feb. 23.
Magro, Ralph, Jersey City, N. J. Revolving clock. 103,334; Feb. 23.
Mantle Lamp Company of America, The. (See Schwarz, Eugene, assignor.)
National Lock Co. (See Wade, W., and North, assignors.)
Neuschaefer, Franz, Rye, N. Y. Bottle. 103,360; Feb. 23.
North, Edwin. (See Wade, W., and North.)
Norton, Leland D., and C. H. Andresen, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Phonograph cabinet or similar article. 103,361; Feb. 23.
Peisner, Charles M., New York, N. Y. Textile fabric. 103,335; Feb. 23.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Roof mounted air conditioner for vehicles or similar article. 103,336; Feb. 23.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Vehicle roof mounted air conditioner or similar article. 103,337; Feb. 23.
Petersen, Peter C., assignor to Viking Pump Company, Cedar Falls, Iowa. Combined rotary pump and valve. 103,339; Feb. 23.
Peterson, Harry C., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Gear case. 103,338; Feb. 23.
Phillips, Leo, New York, N. Y. Textile fabric. 103,374; Feb. 23.
Powell, Dwight, assignor to General Fireproofing Company, Youngstown, Ohio. Chair. 103,340; Feb. 23.
Presslaff, Murray. (See Bernstein, I. H., and Presslaff.)
Price, David W., New York, N. Y. Dress. 103,375; Feb. 23.
Rasmussen, Sophus. (See Hanson, R. N., and Rasmussen.)
Rettich, Kurt, Grand Rapids, Mich., assignor to Terry Penfiller Co., Janesville, Wis. Inkwell. 103,341; Feb. 23.
Ross, Walter, New York, N. Y. Textile fabric. 103,376; Feb. 23.
Ross, Walter, New York, N. Y. Textile fabric. 103,377; Feb. 23.
Ruchman, Albert, New York, N. Y. Lace insert. 103,342; Feb. 23.
Ruchman, Albert, New York, N. Y. Lace insert. 103,343; Feb. 23.
Ruchman, Albert, New York, N. Y. Lace insert. 103,344; Feb. 23.
Ruchman, Albert, New York, N. Y. Lace insert. 103,345; Feb. 23.
Ruchman, Albert, New York, N. Y. Lace insert. 103,346; Feb. 23.
Ruchman, Albert, New York, N. Y. Lace insert. 103,362; Feb. 23.
Ryan, Cyril C., Long Island, N. Y. Textile fabric. 103,378; Feb. 23.
Sack Incorporated. (See Jones, Allan F., assignor.)
Samuels, Theodore, St. Louis, Mo. Shoe. 103,347; Feb. 23.
Schey, Robert, New York, N. Y. Textile fabric. 103,379; Feb. 23.
Schlessel, Philip, New York, N. Y. Dress. 103,380; Feb. 23.
Schlessel, Philip, New York, N. Y. Dress. 103,381; Feb. 23.
Schlessel, Philip, New York, N. Y. Dress. 103,382; Feb. 23.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Electric lamp support. 103,363; Feb. 23.
Sears, Roebuck and Co. (See Loewy, Raymond, assignor.)
Shank, Edwin A., New Rochelle, N. Y. Display casing or similar article of manufacture. 103,348; Feb. 23.
Silver, David J., New York, N. Y. Shoe. 103,349; Feb. 23.
Spriggs, Arthur O., assignor to The Champion Company, Springfield, Ohio. Shoulder support for use in embalming human bodies. 103,350; Feb. 23.
Stutsman, Ohmer E., and G. L. Becker, Dayton, Ohio. Bicycle. 103,351; Feb. 23.
Sundberg, Carl W., and M. Ferar, assignors to Bulldog Electric Products Company, Detroit, Mich. Electric control panel board. 103,364; Feb. 23.
Terry Penfiller Co. (See Rettich, Kurt, assignor.)
Textile Machine Works. (See Janssen, Henry, assignor.)
Tichenor, Warren C., Glendale, Calif. Motion picture viewer. 103,352; Feb. 23.
Timme, E. F., & Son. (See Biva, Lucien.)
Timme, Otto. (See Biva, Lucien, assignor.)
Ublein, George V., Worcester, Mass. Carpet or similar article. 103,353; Feb. 23.
Viking Pump Company. (See Petersen, Peter C., assignor.)
Volf, Christian A., New York, N. Y. Transmitter cover. 103,365; Feb. 23.
Wade, William, Chicago, and E. North, Rockford, assignors to National Lock Co., Rockford, Ill. Venetian blind. 103,354; Feb. 23.
Walther, John L., New York, N. Y. Woven textile fabric. 103,292; Feb. 23.
Whitehouse, Herbert G., Newark, N. J. Buckle. 103,355; Feb. 23.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Raiziss, G. W., and Clemence, assignors.)
Abercrombie Pump Company. (See Allen, Herbert, assignor.)
Accardi, Ferruccio, assignor to Fiat Società Anonima, Turin, Italy. All-metal coachwork for automobiles. 2,071,449; Feb. 23.
Accounting and Tabulating Machine Corporation. (See Zennig, J., and Becker, assignors.)
Ace Wire Line Core Drilling Company. (See Bozeman, John F., assignor.)
Adams, Frederick W., Ealing, assignor of one-half to The Rockware Glass Syndicate Limited, London, England. Purification of silica sands and the like. 2,071,720; Feb. 23.
Adler, Charles, Cincinnati, Ohio. Device for twisting and shaping pretzels. 2,071,321; Feb. 23.
Agfa Ansco Corporation. (See Hagedorn, M., Ossenbrunner, and Wilmanns, assignors.)
Agfa Ansco Corporation. (See Zeh, W., Gaedke, Dabelow, and Zerweck, assignors.)
Aghnides, Elie, Brussels, Belgium. Connecter for taps, pipes, and the like. 2,071,780; Feb. 23.
Air Reduction Company Incorporated. (See Anderson, James L., assignor.)
Aktiebolaget Svenska Flatfabriken. (See Öholm, Gustav V., assignor.)
Aktieselskabet Frichs. (See Lunn, Gustav, assignor.)
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,071,995; Feb. 23.
Allen, Herbert, assignor, by mesne assignments, to Abercrombie Pump Company, Houston, Tex. Relief valve. 2,071,375; Feb. 23.
Allen, Herbert, assignor to Abercrombie Pump Company, Houston, Tex. Relief valve. 2,071,376; Feb. 23.
Allen, Thomas, et al. (See Hover, Monte E., assignor.)
Altenbern, Gustav A. (See Burchell, E. W., and Altenbern.)
Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Manufacture of pyrophyllite. 2,072,063; Feb. 23.
Alvey Conveyor Manufacturing Co. (See Worrall, Roy R., assignor.)
Alvord, Harry J., Phoenix, Ariz. Trailer. 2,071,489; Feb. 23.
American Can Company. (See Hothersall, John M., assignor.)
American Chain Company. (See Reyburn, John R., assignor.)
American Cyanamid Company. (See Wittwer, G. G., and Beakes, assignors.)
American Lurgi Corporation. (See Grave, Georg, assignor.)
American Lurgi Corporation. (See von Girsewald, C. B., Siecke, and Wohlwill, assignors.)
American Sheet and Tin Plate Company. (See Buccicone, Dario, assignor.)
American Steel and Wire Company of New Jersey, The. (See Barnes, R. H., and Radway, assignors.)
American Steel and Wire Company of New Jersey, The. (See Ellsworth, F. H., and Gleason, assignors.)
American Steel and Wire Company of New Jersey. (See Gleson, George A., assignor.)
American Steel and Wire Company of New Jersey, The. (See Howe, James F., assignor.)
American Steel and Wire Company of New Jersey, The. (See Riddle, Harvey W., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel Foundries. (See Hedgcock, W. C., and Cottrell, assignors.)
American Steel Foundries. (See Oelkers, A. H., and Bachman, assignors.)
American Telephone and Telegraph Company. (See Thorp, Vaughn P., assignor.)
Anathor-Henrikson, Henrik, West Englewood, N. J. Aeroplane. 2,071,744; Feb. 23.
Anderson, August E., Montclair, N. J. Spark plug. 2,071,450; Feb. 23.
Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method and apparatus for fusion welding. 2,071,808; Feb. 23.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welded structure. 2,071,809; Feb. 23.
Anderson, John P., assignor to Koppel Industrial Car and Equipment Company, Koppel, Pa. Coupling mechanism. 2,071,490; Feb. 23.
Anderson, Norman T. (See Sweeley, E. A., and Anderson.)
Andrus, Foscoe H., Windsor, Conn. Pipe flanging machine. 2,071,314; Feb. 23.
Anthony Development Company. (See Anthony, W. C., and Wachter, assignors.)
Anthony, William C., and L. Wachter, assignors to Anthony Development Company. Streator, Ill. Hydraulic drive. 2,071,605; Feb. 23.
Apex Electrical Manufacturing Company, The. (See Kirby, James B., assignor.)
Apex Electrical Manufacturing Company. (See McCabe, John J., assignor.)
Arner, William J., and R. W. Wampler, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,071,377; Feb. 23.
Arnn, Albert, Norwood, N. J. Concrete building construction. 2,071,378; Feb. 23.
Ashe, Marselius T., Garden City, assignor to B. Collier, New York, N. Y. Illusory display device. 2,072,018; Feb. 23.
Ateliers de Constructions Electriques de Delle. (See Saudicoeur, Louis J., assignor.)
Atlantic Refining Company, The. (See Buchholz, René F., assignor.)
Atti, Raphael, Union City, and D. J. Hayes, Newark, N. J., assignors, by mesne assignments, to said D. J. Hayes. Automobile rocking device. 2,072,019; Feb. 23.
Auer, Edward S., Chicago, Ill. Device for marking X-ray negatives. 2,071,912; Feb. 23.
Aurandt, Richard D., San Francisco, Calif. Sound reproducing system and apparatus. 2,071,316; Feb. 23.
Axelson, Charles F., Los Angeles, Calif. Micrometer. 2,071,315; Feb. 23.
Axtmann, Harold G., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,071,606; Feb. 23.
Ayle, Charles F. (See Fleck, W. C., and Ayle.)
Babcock, Oliver M., Evanston, Ill. Shipping container. 2,071,962; Feb. 23.
Babcock & Wilcox Company, The. (See Bailey, E. G., Cassidy, and Hardgrove, assignors.)
Babcock & Wilcox Company, The. (See Hardgrove, Ralph M., assignor.)
Bachman, Fred E. (See Oelkers, A. H., and Bachman.)
Bagley, Glen D., Great Neck, and H. W. B. de W. Erasmus, Long Island City, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Process and apparatus for producing hydrogen. 2,071,721; Feb. 23.
Bailey, Ervin G., Easton, Pa., P. R. Cassidy, Short Hills, and R. M. Hardgrove, Westfield, assignors, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J. Pulverizer. 2,071,379; Feb. 23.
Bailey, Ervin G., Easton, and P. R. Cassidy and R. M. Hardgrove, Bethlehem, Pa., assignors, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J. Pulverizer. 2,071,380; Feb. 23.
Bakelite Building Products Co. (See Brownmiller, Lorrin T., assignor.)
Baldwin, Jesse A., Spooner, Wis. Oil filter. 2,071,996; Feb. 23.
Baldwin-Southwark Corporation. (See Weiland, Alfred, assignor.)
Balfe, George T., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich. Laminated gasket. 2,071,322; Feb. 23.
Ballentine, Earle W., assignor to Solar Industries, Inc., Chicago, Ill. Motor compressor unit. 2,071,870; Feb. 23.
Balsley, James R., La Canada, assignor of one-half to F. L. A. Graham, San Marino, Calif. Electron discharge device. 2,071,382; Feb. 23.
Bard, Francis N., Highland Park, Ill., assignor, by mesne assignments, to The Permutit Company (1934), Wilmington, Del. Water softening apparatus. 2,071,997; Feb. 23.
Barium Reduction Corporation. (See Pierce, James B., Jr., assignor.)
Barkley, Archiebald S., Detroit, Mich. Aeroplane wing structure. 2,071,317; Feb. 23.
Barkon Tube Lighting Corporation. (See Henderson, J. E., and Beck, assignors.)
Barmon, Daniel W., Buffalo, N. Y. Garment. 2,072,020; Feb. 23.
Barnes, Raleigh H., East Cleveland, and C. L. Radway, Cuyahoga Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Gin saw blade and its manufacture. 2,071,861; Feb. 23.
Barnsteiner, Alfons, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooking appliance. 2,071,810; Feb. 23.

Barr, John L., Chevy Chase, Md. Movable vehicle lifting device. 2,071,451; Feb. 23.
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Vibratory motor device. 2,071,384; Feb. 23.
Barrett, Edward L., La Grange, and F. Brandstrom, assignors to Utah Radio Products Company, Chicago, Ill. Mechanical power transmitting or receiving device. 2,071,383; Feb. 23.
Barrows, Donald S. (See Kadel, B. W., and Barrows, assignors.)
Bartuska, Emil E. (See Bartuska, Frank J. and E. E.)
Bartuska, Frank J. and E. E., Riverside, Ill. Attachment for a nonfogging glazing panel. 2,071,811; Feb. 23.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,071,963; Feb. 23.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,071,964; Feb. 23.
Bass, Shaller L., assignor to The Dow Chemical Company, Midland, Mich. Organic phosphates and making same. 2,071,323; Feb. 23.
Bateman, Fred H., Company. (See Bateman, F. H., and Trolley, assignors.)
Bateman, Frederic H., and I. Trolley, York, Pa., assignors to Fred H. Bateman Company, Camden, N. J. Twin-row potato planter. 2,071,324; Feb. 23.
Bateman, Frederic H., and I. Trolley, York, Pa., assignors to Fred H. Bateman Company, Camden, N. J. Vegetable digger. 2,071,325; Feb. 23.
Battey, Alexander J. (See Rabezzana, H., and Battey.)
Baughman, George W., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 2,071,722; Feb. 23.
Bay State Optical Company. (See Nerney, George E., assignor.)
Bazeley, Arthur J., Shaker Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Centralizing and controlling mechanism for car couplers. 2,071,491; Feb. 23.
Beach, Kenneth A., Chester, Pa., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 2,071,723; Feb. 23.
Beakes, Mahlon H. (See Wittwer, G. G., and Beakes.)
Beard, Theodore H., Bethel, and J. M. Lucarelle, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Correction device for dictating machines. 2,072,064; Feb. 23.
Beamont Iron Works Company. (See Roach, Edmund J., assignor.)
Beck, Broussais C. (See Henderson, J. E., and Beck, assignors.)
Becker, Paul. (See Zennig, J., and Becker.)
Behnke, Edward C., Chicago, Ill. Clothespin. 2,071,812; Feb. 23.
Bell, Edward B., Lowell, Mass., assignor to The Buromin Company, Pittsburgh, Pa. Treatment of textile materials. 2,071,385; Feb. 23.
Bell Telephone Laboratories, Incorporated. (See Low, Frank K., assignor.)
Bellay, Julien, Brussels, Belgium. Gas generating boiler for central heating. 2,071,678; Feb. 23.
Bendix Aviation Corporation. (See Axtmann, Harold G., assignor.)
Bendix Aviation Corporation. (See Hunt, Scott F., assignor.)
Bendix Aviation Corporation. (See La Brie, Ludger E., assignor.)
Bendix Aviation Corporation. (See Wadsworth, Frank L. O., assignor.)
Bendix Products Corporation. (See Roberts, Glyn P., assignor.)
Benoit, Leon. (See Brown, A. E., and Vaughan, assignors.)
Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Lubrication system. 2,071,913; Feb. 23.
Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Pressure compensation for packing. 2,071,914; Feb. 23.
Berger, Harry A., New York, N. Y. Necktie wrapper. 2,071,386; Feb. 23.
Berman, Gustave S., New York, N. Y. Umbrella. 2,071,724; Feb. 23.
Bessom, Earl A., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 2,071,326; Feb. 23.
Best, Jack. (See Shaw, C., and Best.)
Bethlehem Shipbuilding Corporation. (See Frear, Hugo P., assignor.)
Bethlehem Steel Company. (See Stevens, Richard S., assignor.)
Betner, Benjamin C., Company. (See Higginbottom, William E., assignor.)
Bickford, Ernest A., Worcester, Mass. Making shoes. 2,071,725; Feb. 23.
Biermanns, Josef, Berlin-Karlshorst, Germany, assignor to General Electric Company. Electric circuit interrupter. 2,071,965; Feb. 23.
Bingham, Carl G., Highland Park, assignor to Sam'l L. Bingham's Son Mfg. Co., Chicago, Ill. Machine for coating printers' rollers. 2,071,915; Feb. 23.
Bingham's, Sam'l, Son Mfg. Co. (See Bingham, Carl G., assignor.)
Bird & Son, Inc. (See Reynolds, Frank P., assignor.)
Björndal, Magnus, Jersey City, N. J. Electric hydrometer. 2,071,607; Feb. 23.
Blackwell, Frederick S., and J. I. White, assignors of one-third to Clarence C. Dunkle, Kellogg, Idaho. Stenciling printing press. 2,071,726; Feb. 23.
Bley, Rudolph S., Elizabethton, Tenn. Racemizing amino acids. 2,071,327; Feb. 23.
Bloch, Walter, Kidsgrove, Stoke-on-Trent, England. Low dielectric loss ceramic product and making. 2,071,452; Feb. 23.
Blumenthal, Louis, Brooklyn, N. Y. Combination bed and divan. 2,071,727; Feb. 23.
Boehmer, Spencer U., Lombard, Ill. Dye process. 2,071,492; Feb. 23.
Bobannon, Richard O. (See Hayenga, J. A., and Brooks, assignors.)
Böhme Fettchemie-Gesellschaft mit beschrankter Haftung. (See Normann, W., and Prückner, assignors.)
Bohn Aluminum and Brass Corporation. (See Fiegel, William J., assignor.)
Bolton, Elmer K., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Pickling inhibitor and process. 2,071,966; Feb. 23.
Bonstedt, Kurt. (See Wolfram, A., and Bonstedt.)
Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)
Borg-Warner Corporation. (See Swennes, B. A., and Miller, assignors.)
Bouton, Edgar M., Chicago, Ill., and G. C. Saltzman, Edgewood, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Moving stairway. 2,071,813; Feb. 23.
Bovelio, Angelo B. (See Harris, Jefferson D., assignor.)
Bowers, Claude E., Los Angeles, Calif. Automatic leveling ladder. 2,071,608; Feb. 23.
Bowron, Charles E., Birmingham, and A. G. Delany, Alabama City, Ala., assignors to Gulf States Steel Company. Catcher table for rolling mills. 2,071,609; Feb. 23.
Boyer, Lewis P., Butte, Mont. Ledger plate anvil. 2,072,021; Feb. 23.
Bozeman, John F., Lake Charles, La., assignor to Ace Wire Line Core Drilling Company. Core drill. 2,071,916; Feb. 23.
Braden, William C., assignor of one-half to T. S. Pates, Brooklyn, N. Y. Fluid power transmission. 2,071,493; Feb. 23.
Bragg-Kliesrath Corporation. (See Cohen, Albert, assignor.)
Brandenburger, Herbert J., St. Louis, Mo., assignor to Crouse-Hinds Company, Syracuse, N. Y. Traffic signaling system. 2,071,494; Feb. 23.
Brandstrom, Folke. (See Barrett, E. L., and Brandstrom.)
Braude, Simon, Paris, France. Wrapping device. 2,071,610; Feb. 23.
Breitling, Ernst, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,071,387; Feb. 23.
Breitling, Ernst, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,071,388; Feb. 23.
Bremer, William S., New Washington, Ohio. Cooking utensil. 2,071,318; Feb. 23.
Bren, Bozetech C., Cedar Grove, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing N-alkoxyalkyl aryl sulphonamides. 2,071,917; Feb. 23.
Bretschger, Max E., Buffalo, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Vending container. 2,071,679; Feb. 23.
Bridgeport Metal Goods Manufacturing Company, The. (See Houlihan, Rudolph N., assignor.)
Brisbane, Eugene C., assignor to S. Morgan Smith Company, York, Pa. Valve. 2,071,814; Feb. 23.
Bristow, J. J. R., Safety Harbor, Fla., assignor to Consumer Package Corporation, Dunedin, Fla. Coloring fruits and vegetables. 2,072,022; Feb. 23.
British Cotton Industry Research Corporation, The. (See Shorter, S. A., Williams, and Locke, assignors.)
Bronson Reel Company. (See Schafer, John V., assignor.)
Brooks, Frank E. (See Hayenga, J. A., and Brooks.)
Brouihlet, Georges, Paris, France. Fitting of front fenders, lamps, and radiator upon a carriage body. 2,071,328; Feb. 23.
Brown, Arthur E., and W. Vaughan, London, Ontario, Canada, assignors to Leon Benoit, New York, N. Y. Carton erecting machine. 2,072,065; Feb. 23.
Brown, Ralph L., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Recovering phthalic anhydride. 2,071,329; Feb. 23.
Brown, William D., and C. V. Foerster, Jr., Pittsburgh, Pa. Determining grain size of steel. 2,071,680; Feb. 23.
Brownmiller, Lorrin T., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Cementitious composition and making the same. 2,071,681; Feb. 23.
Brunner, Herman, Waterford, Wis. Sand spreader. 2,071,495; Feb. 23.

Bruson, Herman A., Philadelphia, Pa., J. D. Robinson, Buffalo, N. Y., and O. Stein, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Higher aromatic keto fatty acids and producing same. 2,071,496; Feb. 23.
Buccicone, Darlo, Gary, Ind., assignor to American Sheet and Tin Plate Company. Apparatus for guiding and aligning strip material. 2,071,682; Feb. 23.
Buchanan, James A., assignor to Vogt Manufacturing Corporation, Rochester, N. Y. Textile strap construction. 2,071,319; Feb. 23.
Buchholz, René F., assignor to The Atlantic Refining Company, Philadelphia, Pa. Three-point suspension for tank trucks. 2,071,330; Feb. 23.
Buffalo Electro-Chemical Company. (See Bretschger, Max E., assignor.)
Büngner, Wilhelm, Berlin-Tempelhof, Germany, assignor to General Electric Company. Recording instrument. 2,071,967; Feb. 23.
Burchell, Ernest W., and G. A. Altenbern, assignors to Midway Chemical Company, Chicago, Ill. Mop. 2,071,918; Feb. 23.
Burns, John G., Pulaski, Tenn. Animal snare. 2,071,453; Feb. 23.
Buromin Company, The. (See Bell, Edward B., assignor.)
Bürsitzky, Hans, Strausberg, near Berlin, Germany. Apparatus for utilizing blocks of carbon dioxide ice. 2,071,728; Feb. 23.
Buse, Otto H., Shaker Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of liquids from solids. 2,071,998; Feb. 23.
Butler, C. E. (See Gibson, George M., assignor.)
Butterworth, H. W., and Sons Company. (See Butterworth, H. W., Jr., and Sippel, assignors.)
Butterworth, Harry W., Jr., Philadelphia, and J. J. Sippel, Upper Darby, assignors to H. W. Butterworth & Sons Company, Philadelphia, Pa. Rayon spinning machine. 2,072,023; Feb. 23.
Callahan, Charles J., Providence, R. I., assignor of one-half to E. A. Johnson, Taunton, Mass. Lens mounting. 2,071,331; Feb. 23.
Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)
Campbell, George E., assignor to The Wheland Company, Chattanooga, Tenn. Drawworks. 2,072,024; Feb. 23.
Campbell, Thomas F., Penn Township, Allegheny County, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature controlling system. 2,072,025; Feb. 23.
Carborundum Company, The. (See Muhlman, Osborne L., assignor.)
Carborundum Company, The. (See Newcomb, E. R., assignor, and Stratford.)
Caridis, Marius, Los Angeles, Calif. Apparel. 2,071,497; Feb. 23.
Carter, Chas., et al. (See Kurtz, Cyrus B., assignor.)
Cassidy, Perry R. (See Bailey, E. G., Cassidy, and Hardgrove.)
Caterpillar Tractor Co. (See Starr, Oscar L., assignor.)
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well reamer. 2,071,611; Feb. 23.
Celanese Corporation of America. (See Dreyfus, C., and Martin, assignors.)
Celanese Corporation of America. (See Moss, William H., assignor.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Chalifoux, Alphonse, Montreal, Quebec, Canada. Milk bottle holder and the like. 2,071,498; Feb. 23.
Chamberlain, Alfred J., Wauwatosa, Wis. Dispensing container. 2,071,815; Feb. 23.
Chambers, Henry E., Jr. (See Nelson, B. S., Chambers, and Norton, assignors.)
Champion Spark Plug Company. (See Rohde, Otto C., assignor.)
Chanock, Theodore, assignor to Colonial Premier Company, Chicago, Ill. Lamp. 2,071,612; Feb. 23.
Chapman, Walter B., Boise City, Okla. Telephone holder. 2,071,332; Feb. 23.
Chappell, Frank L. (See Welsberg, S. M., Chappell, Stringer, Stevens, and Trebler.)
Charak, Estey P., Newton Center, assignor to Charak Furniture Company, Boston, Mass. Extension table. 2,071,729; Feb. 23.
Charak Furniture Company. (See Charak, Estey P., assignor.)
Chicago Flexible Shaft Company. (See Nelson, John W., assignor.)
Chicago Pneumatic Tool Company. (See Nell, G. M., and Slatcher, assignors.)
Chile Exploration Company. (See Hulme, Philip M., assignor.)
Chorlton, Frank O. L., Bury, England. Machine for seaming lids on cans. 2,071,683; Feb. 23.
Cilco Terminal Company. (See Lamb, C. P., and Schine, assignors.)
Cincinnati Shaper Company, The. (See Hazelton, Robert T., assignor.)
City Auto Stamping Company, The. (See Whitlock, George E., assignor.)
Clemence, LeRoy W. (See Raiziss, G. W., and Clemence.)
Cleveland, Charles H., Detroit, Mich. Fluid pressure regulator and flow control device. 2,071,871; Feb. 23.
Clifton, Cary S. (See Hammond, Grant, assignor.)
Cline, Hunter P., Otterville, Mo. Closure for containers. 2,072,026; Feb. 23.
Clodfelter, Karl, Blue Island, Ill. Locking device for crane hooks. 2,071,499; Feb. 23.
Coberly, Carroll H., Denver, Colo. Clarifier. 2,071,320; Feb. 23.
Cockburn, David H., Iver, assignor of one-half to Power Specialties Limited, Maidenhead, England. Grass cutting machine. 2,071,872; Feb. 23.
Coddington, Edwin D., Milwaukee, Wis., assignor to Reynolds Metals Company, New York, N. Y. Insulating lath material. 2,071,454; Feb. 23.
Coddington, Edwin D., Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y. Floor slab. 2,071,455; Feb. 23.
Cohen, Albert, Chicago, Ill., assignor, by mesne assignments, to Bragg-Kliesrath Corporation, South Bend, Ind. Clutch mechanism for combustion motors. 2,071,613; Feb. 23.
Collier, Barron. (See Ashe, Marsellus T., assignor.)
Collins & Aikman Corporation. (See Drobile, A. W., Hiers, and Keen, assignors.)
Colonial Premier Company. (See Chanock, Theodore, assignor.)
Communication Patents, Inc. (See Nicolson, Alexander M., assignor.)
Compagnie des Forges et Acieries de la Marine et D'Homecourt. (See Granat, Elie, assignor.)
Compton, Lawrence W., Boardman, Oreg. Train order holder. 2,072,027; Feb. 23.
Consumer Package Corporation. (See Bristow, James J. R., assignor.)
Controlled Weights, Inc. (See Ober, Leonard, assignor.)
Cooper, Leroy T., Los Olivos, Calif. Hinge. 2,072,028; Feb. 23.
Copeland Refrigeration Corporation. (See Muffly, Glenn, assignor.)
Corhart Refractories Company. (See Kraner, Hobart M., assignor.)
Cornell Iron Works, Inc. (See Cornell, M. L., and Herold, assignors.)
Cornell, Milton L., New York, N. Y., and M. I. Herold, Stamford, Conn., assignors to Cornell Iron Works, Inc., Long Island City, N. Y. Overhead acting door. 2,071,500; Feb. 23.
Cory, Harvey, Chicago, Ill. Vacuum coffee brewer. 2,071,919; Feb. 23.
Cossentine, Francis A. B., Tolworth, England. Toggle bolt. 2,072,066; Feb. 23.
Cottrell, Robert B. (See Hedgcock, W. C., and Cottrell.)
Court, Kenneth, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner construction. 2,071,614; Feb. 23.
Coventry, William A., Lancaster, assignor to Grey Iron Casting Company, Mount Joy, Pa. Ice crusher. 2,071,730; Feb. 23.
Craft, David T. (See Rust, T. M., and Craft.)
Craig, James A., Peekskill, and E. Davies, Beacon, N. Y. Housed fire hose reel. 2,071,731; Feb. 23.
Crane Packing Company. (See Payne, F. E., and Matter, assignors.)
Creveling, John L., near Tuscon, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,071,615; Feb. 23.
Crilly, William P., assignor to Worley & Co., Pico, Calif. Door latching mechanism. 2,071,732; Feb. 23.
Crosman, Loring P., Maplewood, assignor to Gardner Company, Orange, N. J. Adding and listing machine. 2,071,501; Feb. 23.
Crouse-Hinds Company. (See Brandenburger, Herbert J., assignor.)
Crowe, William F., Los Angeles, Calif. Aeroplane construction. 2,072,029; Feb. 23.
Crowell, Erd V., Los Angeles, Calif. Well cementing. 2,071,389; Feb. 23.
Crowell, Erd V., Los Angeles, Calif. Apparatus for cementing wells. 2,071,390; Feb. 23.
Crowell, Erd V., Los Angeles, Calif. Apparatus for cementing wells. 2,071,391; Feb. 23.
Crowell, Erd V., Los Angeles, Calif. Apparatus for cementing wells. 2,071,392; Feb. 23.
Crown Cork & Seal Company. (See Darling, Frank L., assignor.)
Cudahy Packing Company, The. (See Douglass, Wilsor F., assignor.)
Culver, Edward, and S. A. Emerson, assignors, by mesne assignments, to United Kingdom Optical Company, Limited (1936), London, England. Multifocal lens. 2,071,616; Feb. 23.
Cummings, Tom, Brooklyn, assignor to General Chemical Company, New York, N. Y. Manufacture of acid compositions. 2,071,816; Feb. 23.
Currier, Philip M., Ballston Lake, N. Y., assignor to General Electric Company. Electric valve converting system. 2,071,968; Feb. 23.
Curtis, Richard C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Reception system. 2,071,733; Feb. 23.
Curtiss-Wright Corporation. (See Trimbach, Clem G., assignor.)

Czarnecki, Walter, assignor to Eddington Metal Specialty Co., Eddington, Pa. Spray nozzle and strainer. 2,071,920; Feb. 23.
Dabelow, Martin. (See Zeh, W., Gaedke, Dabelow, and Zerweck.)
Dalton, William T., assignor to The Gauley Mountain Coal Company. Ansted, W. Va. Wheel mounting. 2,071,502; Feb. 23.
Dalton, William T., assignor to The Gauley Mountain Coal Company, Ansted, W. Va. Car dumper. 2,071,503; Feb. 23.
Daman, Arthur C., Denver, Colo. Classifier. 2,071,617; Feb. 23.
Damron, Wilbur T., Roanoke, Va. Combined raincoat and pocketbook. 2,072,030; Feb. 23.
Darling, Frank L., Teaneck, N. J., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc. Apparatus for filling cans and the like. 2,071,504; Feb. 23.
Dartnell, William W., assignor to The Valley Camp Coal Company, Wheeling, W. Va. Domestic screening plant and bin arrangement for coal. 2,071,456; Feb. 23.
Daub, Charles, New York, N. Y. Hydraulic compressor. 2,072,045; Feb. 23.
Davies, Ernest. (See Craig, J. A., and Davies.)
Davison, Charles R. (See Roesch, F. P., and Davison.)
Davison, Charles R., and E. F. Seibel, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Firing table. 2,072,052; Feb. 23.
Dean, Herbert, Mount Lebanon, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Enamelware utensil. 2,071,817; Feb. 23.
Debrie, André L. V. C., Paris, France. Cinematographic projector employing combined sound and picture films. 2,071,782; Feb. 23.
Delany, Albanus G. (See Bowron, C. E., and Delany.)
Dempsey, Philip W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Mold for piston packing. 2,071,734; Feb. 23.
Detroit Gasket & Mfg. Company. (See Balfe, George T., assignor.)
Dews, Joseph W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener. 2,071,505; Feb. 23.
Dews, Joseph W., Waterbury, Conn., assignor to Scovill Manufacturing Company. Tool for applying fasteners. 2,071,506; Feb. 23.
Dews, Joseph W., Waterbury, Conn., assignor to Scovill Manufacturing Company. Method of applying fasteners to sheetlike material. 2,071,507; Feb. 23.
Dickson, John B., Northampton, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Badminton racket. 2,071,684; Feb. 23.
Dickson, Robert F., Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated structure. 2,071,921; Feb. 23.
Dictaphone Corporation. (See Beard, T. H., and Lucarelle, assignors.)
Dictaphone Corporation. (See Feyrer, William F., assignor.)
Dictaphone Corporation. (See Lucarelle, Joseph M., assignor.)
Dierks, Louis E., and C. E. Severson, Oak Park, Ill. Signaling apparatus. 2,071,873; Feb. 23.
Diescher, Alfred J., assignor of one-half to M. L. R. Diescher, Winfield, Kans. Combination stop and check valve. 2,071,969; Feb. 23.
Diescher, M. L. R. (See Diescher, Alfred J., assignor.)
Dietzel, Albert, Pittsburgh, Pa. Pickling apparatus. 2,071,818; Feb. 23.
Dike, Theodore W., assignor to I. F. Laucks, Inc., Seattle, Wash. Continuous press for production of board-like products. 2,071,999; Feb. 23.
Direct Current Welding Company. (See Mirfield, George E., assignor.)
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. House car. 2,071,508; Feb. 23.
Ditto, Incorporated. (See Whitmore, William B., assignor.)
Diversey Corporation. (See Moore, Clark M., assignor.)
Dobben, Pieter W., The Hague, and J. Visser, Amsterdam, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken. Electric discharge tube or incandescent lamp. 2,071,874; Feb. 23.
Doherty, Arthur L., assignor to The Harbauer Company, Toledo, Ohio. Gas separator. 2,071,393; Feb. 23.
Domine, Leo. (See Malin, F. A., and Domine, assignors.)
Donahue, William B., Ossining, assignor to Feldspathic Research Corporation, New York, N. Y. Preparing beryllium alloys. 2,072,067; Feb. 23.
Donnelly, Thomas S. (See Korda, James F., assignor.)
Dorfman, Hiller D. (See Jennings, O. S., and Dorfman, assignors.)
Douglas, George F., Salem, Oreg. Ashtray. 2,071,394; Feb. 23.
Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,071,781; Feb. 23.
Douglass, Wilson F., Council Bluffs, Iowa, assignor to The Cudahy Packing Company, Chicago, Ill. Method for stabilizing fatty oils against oxidation. 2,071,457; Feb. 23.
Dow Chemical Company, The. (See Bass, Shailer L., assignor.)
Downey, Leonard S., Woodbridge, Conn. Display package. 2,071,735; Feb. 23.
Downing, Bethel B., Mayo, Fla. Wheeled gardening implement. 2,072,031; Feb. 23.
Draper, Charles T., Cleveland Heights, assignor to The Draper Manufacturing Company, Cleveland, Ohio. Container cover closing machine. 2,071,970; Feb. 23.
Draper, Charles T., Cleveland Heights, and W. C. Grosser, Cleveland, assignors to the Draper Manufacturing Company, Cleveland, Ohio. Split-ring barrel closure construction. 2,071,971; Feb. 23.
Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)
Draper Manufacturing Company, The. (See Draper, C. T., and Grosser, assignors.)
Dreyfus, Camille, New York, N. Y., and H. E. Martin, Cumberland, Md., assignors to Celanese Corporation of America. Manufacture of organic esters of cellulose. 2,071,333; Feb. 23.
Dreyfus, Henry, London, England. Manufacture of polyhydric alcohols. 2,071,395; Feb. 23.
Drobile, Albert W., Wayne, G. S. Hiers, Bala-Cynwyd, and W. R. Keen, Drexel Hill, assignors to Collins & Aikman Corporation, Philadelphia, Pa. Manufacture of pile fabrics. 2,071,922; Feb. 23.
Dudley, William L., Seattle, Wash. Cooling system. 2,071,509; Feb. 23.
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Company, Cambridge, Mass. Fur trimmed overshoe. 2,071,783; Feb. 23.
Duncan, James F., Waterbury, Conn. Guide arm for valve rods. 2,071,823; Feb. 23.
Dunkle, Clarence C. (See Blackwell, F. S., and White, assignors.)
Dunlop, James, Park Ridge, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Moving stairway. 2,071,819; Feb. 23.
Duplex Envelope Company, The. (See Lee, W. O. W., and Jones, assignors.)
Du Pont, E. I., de Nemours & Company. (See Bolton, Elmer K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Breu, Bozetech C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Buse, Otto H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dickson, Robert F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)
Du Pont, E. I., de Nemours & Company. (See Lutz, George, assignor.)
Du Pont, E. I., de Nemours & Company. (See Macht, Maurice L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Ridler, Earl S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Thomas, Myron F., assignor.)
Dürrier, Wilhelm, Pforzheim, Germany. Selective magazine pencil. 2,071,510; Feb. 23.
Eames, William F., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elevator system. 2,071,820; Feb. 23.
Eckardt, Emil E., Dresden, Germany. Photographic image bearer and making same. 2,071,821; Feb. 23.
Eclipse Aviation Corporation. (See Mock, Frank C., assignor.)
Eddington Metal Specialty Co. (See Czarnecki, Walter, assignor.)
Edwards, Ralph C., Rome, Ga. Attachment for dobby heads. 2,071,784; Feb. 23.
Ehrlich, Jacob, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Control for friction transmission. 2,071,785; Feb. 23.
Elam, Barnard L., Richmond, Va., assignor to Elam Electric Systems, Inc. Water heater. 2,072,032; Feb. 23.
Elam Electric Systems, Inc. (See Elam, Bernard L., assignor.)
Eldred, Frank R., Mount Tabor, assignor to Reed & Carnrick, Jersey City, N. J. Enteric coating. 2,071,511; Feb. 23.
Electric Controller & Manufacturing Company, The. (See Trofimov, Lev A., assignor.)
Electroacustic Gesellschaft, mit beschränkter Haftung. (See Fischer, Fritz A., assignor.)
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Washing and cleansing composition. 2,071,512; Feb. 23.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Resinous products or compositions and making same. 2,072,068; Feb. 23.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Composition of matter for coating industry. 2,072,069; Feb. 23.
Ellis, Charley. (See Estermyer, Peter P., Sr., assignor.)
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis, George H., New Brighton, assignor to The Insulite Company, Minneapolis, Minn. Fabricated vegetable fibrous material and making the same. 2,071,822; Feb. 23.
Ellsworth, Frank H., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Fastening. 2,071,685; Feb. 23.
Emerson, Stanley A. (See Culver, E., and Emerson.)

Enever, Albert S. (See Renwick, W. S., and Enever.)
Engel, Carl, assignor to G. Schirmer, Inc., New York, N. Y. Practice keyboard. 2,072,071; Feb. 23.
Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 2,071,396; Feb. 23.
Engelmann, Max., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of matter. 2,071,875; Feb. 23.
Engert, Caspar F., assignor to Poster Products, Inc., Chicago, Ill. Stencil printing machine. 2,071,824; Feb. 23.
Ennis, Joseph B., Norfolk, Va. Laying-out and printing device. 2,071,458; Feb. 23.
Erasmus, Hendrik W. B. de W. (See Bagley, G. D., and Erasmus.)
Erie Meter Systems, Inc. (See McDougall, Gilbert W., assignor.)
Esposito, Gerardo. (See Regis, E., and Esposito.)
Estermyer, Peter P., Sr., Ypsilanti, assignor of one-half to C. Ellis, Milan, Mich. Automatic radio receiver. 2,072,046; Feb. 23.
Eureka Vacuum Cleaner Company. (See Court, Kenneth, assignor.)
Evans, Daniel D., et al. (See Hover, Monte E., assignor.)
Everts, Walter W., Baltimore, Md. Propeller for aircraft or the like. 2,071,513; Feb. 23.
Faberson, Julius, Chicago, Ill. Pad support and holder for general use. 2,071,514; Feb. 23.
Fairbanks, Morse & Co. (See Herrick, George H., assignor.)
Fairbanks, Morse & Co. (See Schou, Theodor, assignor.)
Faries, Robert, St. Davids, Pa. Rail joint. 2,071,397; Feb. 23.
Farmer, Clyde C., Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Dust guard. 2,071,736; Feb. 23.
Farmer, Clyde C., Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic track brake construction. 2,071,737; Feb. 23.
Farnsworth, Philo T., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Electron multiplying device. 2,071,515; Feb. 23.
Farnsworth, Philo T., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Oscillation generator. 2,071,516; Feb. 23.
Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Multipactor phase control. 2,071,517; Feb. 23.
Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)
Faultless Rubber Company, The. (See Miller, Vernon L., assignor.)
Fechtner, Josef, Berkeley, Calif. Beet topping machine. 2,071,738; Feb. 23.
Federal Enameling & Stamping Company. (See Dean, Herbert, assignor.)
Feldspathic Research Corporation. (See Donahue, William B., assignor.)
Ferrari, Arthur M., and G. M. Hoffman, Algoma, Oreg. Saw-surfacing and cleaning a saw kerf. 2,071,618; Feb. 23.
Ferris, Walter, and G. H. Fobian, Milwaukee, Wis., assignors to The Oilgear Company, Milwaukee, Wis. Lathe. 2,071,786; Feb. 23.
Feyrer, William F., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 2,071,972; Feb. 23.
Fiat Società Anonima. (See Accardi, Ferruccio, assignor.)
Fiegel, William J., assignor to Bohn Aluminum and Brass Corporation, Detroit, Mich. Strip milling machine. 2,071,619; Feb. 23.
Finlayson, George A., West Springfield, Mass. Packing. 2,071,825; Feb. 23.
Firestone Steel Products Company, The. (See Welch, William H., assignor.)
Firestone Tire & Rubber Company, The. (See Myers, William H., assignor.)
Fischer, Fritz A., assignor to Electro-acustic Gesellschaft, mit beschränkter Haftung, Kiel, Germany. Amplifier arrangement for listening devices. 2,071,739; Feb. 23.
Fischer, H. G., & Co. Inc. (See Musket, P. P., and Richardson, assignors.)
Fisher, Gerald M., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Producing a metal napthenate. 2,071,862; Feb. 23.
Fisher, John S., assignor to The General Metals Powder Company, Akron, Ohio. Friction article and producing same. 2,072,070; Feb. 23.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Freight container. 2,071,334; Feb. 23.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Apparatus for transferring movable containers. 2,071,335; Feb. 23.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Convertible vehicle. 2,071,620; Feb. 23.
Flaws, John Jr., Cleveland Heights, Ohio, assignor to General Electric Company. Controlling device for mechanisms. 2,071,941; Feb. 23.
Fleck, Winfred C., and C. F. Ayle, McKee, Pa. Fruit jar holder. 2,071,518; Feb. 23.
Fobian, George H. (See Ferris, W., and Fobian.)
Foerster, Charles V., Jr. (See Brown, W. D., and Foerster.)
Foote Bros. Gear and Machine Corporation. (See Lewis, O. L., and Wright, assignors.)
Ford, Jay T. (See Rabezzana, H., McDougal, Ford, and Kirk.)
Fortinberry, Charles L., assignor to The Fortinberry Company, Inc., Washington, D. C. Locked license tag. 2,072,000; Feb. 23.
Fortinberry Company, The. (See Fortinberry, Charles L., assignor.)
Foster, Walter W., Wichita Falls, Tex. Rod line hook-off and anchor. 2,071,787; Feb. 23.
Francis, Victor J., Middlesex, England, assignor to General Electric Company. Electric gaseous discharge device. 2,071,973; Feb. 23.
Frank, Leo C., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Battery charge control for small power plants. 2,071,826; Feb. 23.
Franks, Russell, Jackson Heights, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Chromium steel seamless tube. 2,071,740; Feb. 23.
Frantz, Samuel G., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,071,923; Feb. 23.
Frantz, Walter A., and P. D. Kendall, Cleveland Heights, Ohio, said Kendall assignor to said Frantz. Radio receiver. 2,071,398; Feb. 23.
Fraser Automotive Appliances, Inc. (See Fraser, Ethelbert M., assignor.)
Fraser, Ethelbert M., Yonkers, N. Y., assignor to Fraser Automotive Appliances, Inc. Electromagnetic clutch. 2,071,943; Feb. 23.
Fraser, James H., Louisville, Ky. Highway crossing gate and control system. 2,071,924; Feb. 23.
Frear, Hugo P., New York, N. Y., assignor to Bethlehem Shipbuilding Corporation, Ltd. Ship construction. 2,071,925; Feb. 23.
Frederickson, Clayton E., Chicago, Ill. Motor vehicle. 2,071,686; Feb. 23.
Freeman, Ivan S. (See Gillett, Monson J., assignor.)
Friedberg, Leo, New Brunswick, N. J. Flashing. 2,071,687; Feb. 23.
Frohnert, Christian L., South Brownsville, Pa. Centrifugal pump. 2,072,033; Feb. 23.
Fuel Treating Products Co. (See Martin, Peter R., assignor.)
Fulton, Stewart C. (See Winning, C., and Fulton.)
Furness, Reginald, Warrington, England, assignor to Lever Brothers Limited, Port Sunlight, England. Purifying polyglycerol esters. 2,071,459; Feb. 23.
Gaedke, Willi. (See Zeh, W., Gaedke, Dabelow, and Zerweck.)
Gallon Metal Vault Company, The. (See Smith, Ralph E., assignor.)
Gambell, John C., Oakland, Calif. Drinking glass protector. 2,071,399; Feb. 23.
Gardner Company. (See Crosman, Loring P., assignor.)
Gaspar, Béla, Brussels, Belgium. Producing photographic dyestuff images. 2,071,688; Feb. 23.
Gates, Jane H. (See Hayford, Paul V., assignor.)
Gauley Mountain Coal Company, The. (See Dalton, William T., assignor.)
Geerlings, Gerald K., Bala-Cynwyd, Pa. Tear-resistant product and producing same. 2,071,926; Feb. 23.
Geerlings, Gerald K., New Canaan, Conn. Flexible container. 2,071,927; Feb. 23.
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
General Aniline Works, Inc. (See Kuhrmann, F., Nawiasky, and Grosskinsky, assignors.)
General Aniline Works, Inc. (See Muth, Friedrich, assignor.)
General Aniline Works, Inc. (See Wolfram, A., and Bonstedt, assignors.)
General Chemical Company. (See Cummings, Tom, assignor.)
General Chemical Company. (See Ingraham, Harold O. C., assignor.)
General Electric Company. (See Biermanns, Josef, assignor.)
General Electric Company. (See Büngner, Wilhelm, assignor.)
General Electric Company. (See Currier, Philip M., assignor.)
General Electric Company. (See Flaws, John Jr., assignor.)
General Electric Company. (See Francis, Victor J., assignor.)
General Electric Company. (See Holm-Hansen, O., and Ruscoe, assignors.)
General Electric Company. (See Honing W., and Oudemans, assignors.)
General Electric Company. (See Minneci, Salvatore, assignor.)
General Electric Company. (See Peters, Leo R., assignor.)

General Fire Extinguisher Company. (See Knight, Ira W., assignor.)
General Metals Powder Company, The. (See Fisher, John S., assignor.)
General Motors Corporation. (See Ehrlich, Jacob, assignor.)
General Motors Corporation. (See Kuhns, William R., assignor.)
General Motors Corporation. (See Rabezzana, Hector, assignor.)
General Motors Corporation. (See Rabezzana, H., and Battey, assignors.)
General Motors Corporation. (See Rabezzana, H., McDougal, Ford, and Kirk, assignors.)
General Motors Corporation. (See Randolph, D. W., and Rabezzana, assignors.)
General Motors Corporation. (See Schutt, Arthur J., assignor.)
General Motors Corporation. (See Shippy, Leo C., assignor.)
Gesellschaft für Linde's Eismaschinen A. G. (See Hochgesand, Carl P., assignor.)
Gettelman, Frederick, Milwaukee, Wis. Metal barrel. 2,071,621; Feb. 23.
Geurink, Louis H., and W. A. Schulte, East Cleveland, assignors to The Patrol Valve Company, Cleveland, Ohio. Gas range lighter and control. 2,072,034; Feb. 23.
Gibson, George M., Davenport, Iowa, assignor to C. E. Butler. Washing machine. 2,071,622; Feb. 23.
Gillett, Monson J., assignor of one-half to I. S. Freeman, Halifax, Nova Scotia, Canada. Internally contracting disk brake for vehicles. 2,071,788; Feb. 23.
Gillette Safety Razor Company. (See Hines, Francis J., assignor.)
Giordano, Joseph, Philadelphia, Pa. Duplex letter sheet. 2,071,623; Feb. 23.
Glabe, Frederick W., Chicago, Ill., assignor to A. G. Spalding & Bros., New York, N. Y. Protective armor for football players and the like. 2,071,827; Feb. 23.
Gleason, George A. (See Ellsworth, F. H., and Gleason.)
Gleason, George A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Traffic guard. 2,071,863; Feb. 23.
Glen, Robert R., Anglet, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y. Loudspeaker, sound reproducing instrument, and the like. 2,071,828; Feb. 23.
Glen, Robert R., Anglet, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y. Loudspeaker and like instrument. 2,071,829; Feb. 23.
Glenn, George G., and J. D. Glenn, Gastonia, N. C. Yarn cone printing device. 2,071,336; Feb. 23.
Glenn, John D. (See Glenn, George G., and J. D.)
Glen's Patents and Holdings, Inc. (See Glen, Robert R., assignor.)
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Globe Steel Tubes Co. (See Ihrig, Harry K., assignor.)
Gnavi, Aldo, Turin, Italy, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,071,741; Feb. 23.
Golden, Charles, Brooklyn, N. Y. Collapsible table or the like. 2,071,928; Feb. 23.
Goldsmith, William H., Jr. (See Higgins, F. W., and Goldsmith.)
Gordon, William S., Jr., North Tonawanda, assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Fluid fuel burner control. 2,071,876; Feb. 23.
Gragg, John, Olympia, Wash. Pocket routing machine. 2,071,519; Feb. 23.
Graham, Frank L. A. (See Balsley, James R., assignor.)
Graham, Matthew P. (See Hufferd, G. H., and Graham.)
Graham, Walton C., Denver, Colo. Heat transfer apparatus. 2,071,624; Feb. 23.
Granat, Elie, assignor of one-half to Compagnie des Forges et Aciéries de la Marine et D'Homecourt, Paris, France. Distant transmission of angular movements. 2,071,689; Feb. 23.
Grave, Georg, Frankfort-on-the-Main-Heddernheim, Germany, assignor to American Lurgi Corporation, New York, N. Y. Apparatus for the electrostatic separation of mixed particles of different electrical behavior. 2,071,460; Feb. 23.
Greenwood, Calvin S. (See Travers, L. C., and Morris, assignors.)
Grey Iron Casting Company. (See Coventry, William A., assignor.)
Griffith, William B., Audubon, N. J., and D. A. Keller, Drexel Hill, Pa. Exhauster for sprinkler systems. 2,071,789; Feb. 23.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Seat attachment for water closets. 2,071,337; Feb. 23.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Flushing deflectors. 2,071,790; Feb. 23.
Groll, Herbert P. A. (See Tamele, M. W., and Groll.)
Grosser, Walter C. (See Draper, C. T., and Grosser.)
Grosskinsky, Otto. (See Kuhrmann, F., Nawiasky, and Grosskinsky.)
Guest, Romeo H. (See Guest, Walter C. and R. H.)
Guest, Walter C., and R. H. Guest, Anderson, S. C. Hoisting apparatus for replacing structural beams. 2,071,461; Feb. 23.
Gulf States Steel Company. (See Bowron, C. E., and Delany, assignors.)
Gunlocke, William H., Wayland, N. Y. Chair back. 2,071,974; Feb. 23.
Gutehoffnungshütte Oberhausen Aktiengesellschaft. (See Hermanns, Leonhard, assignor.)
Guthans, Harold A., Mobile, Ala. Propeller shaft lubricating apparatus. 2,072,001; Feb. 23.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Window shade. 2,071,830; Feb. 23.
Haas, Louis W., Chicago, and J. W. Read, Glen Ellyn, Ill., assignors to The W. E. Long Co. Preservation of packaged food products. 2,071,625; Feb. 23.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 2,071,400; Feb. 23.
Hagedorn, Max, and A. Ossenbrunner, Dessau in Anhalt, and G. Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Film. 2,071,462; Feb. 23.
Hagedorn, Max, and A. Ossenbruner, Dessau in Anhalt, and G. Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Film. 2,071,463; Feb. 23.
Hammer-Bray Company. (See Leonard, Joseph E., assignor.)
Hammond, Grant, Hamden, Conn., assignor of one-half to C. S. Clifton, Short Beach, Conn. Door check. 2,071,690; Feb. 23.
Hancock, Milton L., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder protector. 2,071,742; Feb. 23.
Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shock absorber. 2,071,831; Feb. 23.
Hansen, Jes I., Denver, Colo. Combined crowding and staking tool for watchmakers. 2,071,401; Feb. 23.
Hanson, Roy E., Wauwatosa, assignor to Milprint Products Corporation, Milwaukee, Wis. Wrapper. 2,071,976; Feb. 23.
Harbauer Company, The. (See Doherty, Arthur L., assignor.)
Harder, Edwin L., Forest Hills, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Compensator for metering systems. 2,071,832; Feb. 23.
Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating-current compensator. 2,071,833; Feb. 23.
Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Polyphase impedance drop compensator. 2,071,834; Feb. 23.
Hardesty, Ben F., Cleveland, Ohio, assignor to Perfection Steel Company, Pittsburgh, Pa. Making ferro-alloys and making alloy steels from such alloys. 2,071,339; Feb. 23.
Hardgrove, Ralph M. (See Bailey, E. G., Cassidy, and Hardgrove.)
Hardgrove, Ralph M., Westfield, assignor, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J. Pulverizing unit. 2,071,381; Feb. 23.
Harris, Frank, Sharon, assignor to Plymouth Rubber Company, Inc., Canton, Mass. Leather substitute and making the same. 2,071,626; Feb. 23.
Harris, Jefferson D., assignor of one-half to A. B. Bovello, Washington, D. C. Nonrefillable bottle. 2,071,877; Feb. 23.
Harrison, Joseph D., Brooklyn, N. Y. Sports lagoon and ocean terminal. 2,071,520; Feb. 23.
Hart, Gilbert W. (See Kuhn, L. H., and Hart.)
Hartburg, Herman L., Denver, Colo. Beet piling machine. 2,071,743; Feb. 23.
Harter, Robert L., Hinsdale, Ill. Oiling device. 2,071,929; Feb. 23.
Hartgen, Frederick A., assignor to Reading Iron Company, Reading, Pa. Iron metallurgy. 2,072,072; Feb. 23.
Hartgen, Frederick A., assignor to Reading Iron Company, Reading, Pa. Iron metallurgy. 2,072,073; Feb. 23.
Hartmann, Hans, and H. Rabe, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of fluorescence producing substances soluble in hydrocarbon oils. 2,071,521; Feb. 23.
Hassenfeld, Harold. (See Oelbaum, Henry, assignor.)
Haupt, Charles H. (See Howard, F. A., and Haupt.)
Hawn, Oren W., Woodland, Calif. Pick-up reel for harvester. 2,071,627; Feb. 23.
Hayenga, Jack A., and F. E. Brooks, assignors of one-half to R. O. Bohannon, Yakima, Wash. Sound damping device for loud speakers. 2,072,035; Feb. 23.
Hayes, Daniel J. (See Atti, R., and Hayes.)
Hayford, Paul V., Warrior's Mark, assignor of one-half to J. H. Gates, Philadelphia, Pa. Drawknife. 2,071,691; Feb. 23.
Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Back gauge for shears. 2,071,402; Feb. 23.
Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,071,628; Feb. 23.

Hedgcock, William C., Wilmette, and R. B. Cottrell, Chicago, assignors to American Steel Foundries, Chicago, Ill. Underframe. 2,071,629; Feb. 23.
Heins, Harold, Dorchester, assignor to Raytheon Production Corporation, Newton, Mass. Thermionic cathode. 2,071,522; Feb. 23.
Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Multiple electrode thermionic tube. 2,071,630; Feb. 23.
Heinze, William A., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Armored grease retainer with washer and spacer. 2,071,403; Feb. 23.
Hektner, Joel, assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway car truck. 2,071,793; Feb. 23.
Hektner, Joel, assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway car truck. 2,071,794; Feb. 23.
Helmbrecht, Dr. Vincent H. (See Purrmann, Carl, assignor.)
Henderson, Joseph E., and B. C. Beck, assignors to Barkon Tube Lighting Corporation, Seattle, Wash. Ionic discharge tube. 2,071,464; Feb. 23.
Hendrey, Waldersee B., Beacon, assignor to The Texas Company, New York, N. Y. Purification of naphthenic acids. 2,072,053; Feb. 23.
Hendricks, Ralph T., assignor to Patterson Shade Co., Indianapolis, Ind. Venetian blind. 2,071,791; Feb. 23.
Hendricks, Ralph T., assignor to Patterson Shade Co., Indianapolis, Ind. Venetian blind mounting. 2,071,792; Feb. 23.
Henze, Otto C. W., Brooklyn, and R. V. Tremain, New York, N. Y., said Tremain assignor to said Henze. Illusion portrait mount and compact for fashion anticipation. 2,071,338; Feb. 23.
Heraeus-Vacuumschmelze A. G. (See Rohn, Wilhelm, assignor.)
Hermanns, Leonhard, Oberhausen-Sterkrade, assignor to the firm Gutehoffnungshütte Oberhausen Aktiengesellschaft, Oberhausen-Rhineland, Germany. Process and apparatus for treating residue, waste, and the like. 2,071,835; Feb. 23.
Herold, Melvin I. (See Cornell, M. L., and Herold.)
Herrick, George H., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Coil windings for dynamo-electric machines. 2,071,977; Feb. 23.
Herrmann, Emil. (See Nürnberger, Paul, assignor.)
Hessen, Richard, Bautzen, Germany. Preparation of artificial resin compression mixtures. 2,071,523; Feb. 23.
Hessen, Richard, Bautzen, Germany. Production of lacquers and lacquer starting materials containing artificial resins. 2,071,524; Feb. 23.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door and brake interlock device. 2,071,754; Feb. 23.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,071,755; Feb. 23.
Hiers, Glen S. (See Drobile, A. W., Hiers, and Keen.)
Higginbottom, William E., Haverford Township, Montgomery Co., assignor to Benjamin C. Betner Company, Devon, Pa. Bag. 2,071,745; Feb. 23.
Higgins, Frank W., Abington, and W. H. Goldsmith, Jr., Brookline, Mass. Weaver's knotter. 2,071,525; Feb. 23.
Hildebrand, William R., Chicago, Ill. Water purifying and cooling system. 2,071,631; Feb. 23.
Hildebrandt, Friedrich, Hohen Neuendorf, near Berlin, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Acyl octahydro follicle hormones and their production. 2,071,803; Feb. 23.
Hildebrandt, Friedrich, Hohen Neuendorf, near Berlin, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Acyl octahydrofollicle hormones and their production. 2,071,804; Feb. 23.
Hill, William W., Pittsburgh, Pa. Adjustable hot saw gauge. 2,071,692; Feb. 23.
Hiller, Theodore C. (See Korn, Isidor, assignor.)
Hines, Francis J., Belmont, assignor to Gillette Safety Razor Company, Boston, Mass. Package and receptacle. 2,071,978; Feb. 23.
Hines, Thomas J., Louisville, Ky. Apparatus for distilling spirituous liquors. 2,071,693; Feb. 23.
Hoak, Percy E., Des Moines, Iowa. Laminated culvert head wall structure. 2,071,746; Feb. 23.
Hochgesand, Carl P., Solln near Munich, assignor to Gesellschaft für Linde's Eismaschinen A. G., Munich, Germany. Overflow conduit for rectifying columns. 2,071,526; Feb. 23.
Hoe, R., & Company. (See Tomlin, J. R., Lundquist, and Horton, assignors.)
Hoffman, George M. (See Ferrari, A. M., and Hoffman.)
Hoffman, Nathaniel, assignor, by mesne assignments, to P. Hoffman, Atlantic City, N. J. Draining rack. 2,071,944; Feb. 23.
Hoffman, Pauline. (See Hoffman, Nathaniel, assignor.)
Hollis, William C., Houston, Tex. Pipe rack. 2,071,632; Feb. 23.
Holloway, Ralph S., Amarillo, Tex. Rewinding device for motion picture films. 2,071,527; Feb. 23.
Holm-Hansen, Osmund, and G. W. Ruscoe, Stratford, Conn., assignors to General Electric Company. Separator. 2,071,975; Feb. 23.
Holtzclaw, John B. (See Winning, C., and Holtzclaw.)
Honing, Wilhelm, and G. Oudemans, Eindhoven, Netherlands, assignor to General Electric Company. Electric incandescent lamp. 2,071,979; Feb. 23.
Horsman, William, Roxbury, Mass. Portable baking oven. 2,072,036; Feb. 23.
Horton, Albert J. (See Tomlin, J. R., Lundquist, and Horton.)
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Drawing fiber caps. 2,071,340; Feb. 23.
Houlihan, Rudolph N., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 2,071,747; Feb. 23.
Hover, Monte E., assignor of one-third to D. D. Evans and one-third to T. Allen, Culver City, Calif. Rotary motor. 2,071,528; Feb. 23.
Howald, Arthur M., Toledo, Ohio, assignor, by mesne assignments, to Plaskon Company, Incorporated. Molding press. 2,071,795; Feb. 23.
Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Filter for lubricating oil. 2,071,529; Feb. 23.
Howard, Frank A., and C. H. Haupt, Elizabeth, N. J., assignors to Standard Oil Development Company. Floating deck having reenforced annular gas space. 2,071,530; Feb. 23.
Howard, John H. (See Wright, J. C., and Howard.)
Howe, James F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Tension cable and applying same. 2,071,694; Feb. 23.
Huber, Joseph, Freising, Germany. Freezing apparatus. 2,071,465; Feb. 23.
Huc, Marcel R., Courbevoie, France. Cinematographic apparatus. 2,071,878; Feb. 23.
Hufferd, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio. Needle bearing joint. 2,071,341; Feb. 23.
Hulme, Philip M., Chuquicamata, Chile, assignor to Chile Exploration Company, New York, N. Y. Temperature regulation. 2,071,531; Feb. 23.
Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Rectifier tube. 2,071,748; Feb. 23.
Hunt, Scott F., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel mixture control. 2,071,633; Feb. 23.
Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Cabinet-enclosed posting tray. 2,071,930; Feb. 23.
Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,071,404; Feb. 23.
Hyde, Robert B., Syracuse, N. Y. Control mechanism for carburetors and the like. 2,071,695; Feb. 23.
Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)
Hyman, Morris J., Philadelphia, Pa. Waste pipe trap plug. 2,071,532; Feb. 23.
I. G. Farbenindustrie Aktiengesellschaft. (See Hartmann, H., and Rabe, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Neubert, Paul, assignor.)
Ideal Machine Company. (See Sneva, Ingolf E., assignor.)
Ihrig, Harry K., assignor to Globe Steel Tubes Co., Milwaukee, Wis. Cementation. 2,071,533; Feb. 23.
Imperial Chemical Industries Limited. (See Piggott, Henry A., and Rodd, assignor.)
Imperial Chemical Industries Limited. (See Tattersall, Harold J., assignor.)
Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
Ingraham, Harold O. C., Greenwich, Conn., assignor to General Chemical Company, New York, N. Y. Apparatus for producing sulphur dioxide. 2,071,534; Feb. 23.
Ingwarsson, Ivar, Klagstorp, Sweden. Tip-wagon. 2,071,796; Feb. 23.
Insulite Company, The. (See Ellis, George H., assignor.)
International Nickel Company, The. (See McNeil, John, assignor.)
International Patents Development Company. (See Kelling, Alfred H., assignor.)
Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Cushion reverse drive for outboard motors. 2,071,634; Feb. 23.
Irving Trust Company, Permanent Trustee. (See Tomlin, J. R., Lundquist, and Horton.)
Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Translucent projection screen. 2,071,342; Feb. 23.
Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Making a translucent picture projection screen. 2,071,344; Feb. 23.
Jackomatic Corporation. (See Marlowe, Harold J., assignor.)
Jackson, Harry and M. E., Harrisburg, Pa. Burglar alarm switch. 2,071,343; Feb. 23.
Jackson, Mary E. (See Jackson, Harry and M. E.)
Jacobs, Charles T. (See Meissner, B. F., and Jacobs, assignors.)
Jahnel, Ernst, Moosburg, Germany. Winch with geared transmission. 2,071,405; Feb. 23.
Jenkins, Russell L., Anniston, Ala., assignor to Swann Research, Inc. Pigmented composition. 2,071,836; Feb. 23.

Jennings, Oliver S., and H. D. Dorfman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,071,837; Feb. 23.

Jerome, Alan J., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weight indicating and printing mechanism. 2,071,406; Feb. 23.

Jesser, Albert E., Vandergrift, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Sealing ring. 2,071,535; Feb. 23.

Johns-Manville Corporation. (See Parsons, Raymond V., assignor.)

Johns-Manville Corporation. (See Shipway, George E., assignor.)

Johnson, Alfred, Uniontown, Pa., and R. H. Johnson, Morgantown, W. Va. Striping or banding machine. 2,071,345; Feb. 23.

Johnson, Arnold H. (See Weisberg, S. M., Johnson, and Parker.)

Johnson, Arnold H., S. M. Weisberg, and J. J. Johnson, Baltimore, Md., and M. E. Parker, Danville, Ill., assignors to Research Laboratories of National Dairy Products Corporation, Inc., Baltimore, Md. Making lactic compounds. 2,071,346; Feb. 23.

Johnson, Arthur A. (See Wolff, Ivan, assignor.)

Johnson, Edward A. (See Callahan, Charles J., assignor.)

Johnson, James J. (See Johnson, A. H., Weisberg, Johnson, and Parker.)

Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,071,980; Feb. 23.

Johnson, Robert H. (See Johnson, Alfred, and R. H.)

Johnson, William H., Greensburg, assignor to Universal Lubricating Systems, Inc., Etna, Pa. Dispensing device. 2,071,407; Feb. 23.

Johnston, Walter F. (See Randall, H. D., and Johnston.)

Jolma, Arnet T., St. Helens, Oreg. Mixer. 2,071,879; Feb. 23.

Jonas, Gottfried B., Eindhoven, Netherlands, assignor to C. H. F. Müller Aktiengesellschaft, Hamburg, Germany. Anode construction for discharge tubes having rotary anodes. 2,071,696; Feb. 23.

Jones, Charles F., San Francisco, Calif. Microscope. 2,071,408; Feb. 23.

Jones, Montgomery O. (See Lee, W. O. W., and Jones.)

Jordan, Richard H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum cleaner. 2,071,838; Feb. 23.

Kadel, Byers W., Baltimore, Md., and D. S. Barrows, Rochester, N. Y., assignors to The Symington-Gould Corporation. Railway truck. 2,071,466; Feb. 23.

Kalin, Albert, assignor to Woodward Governor Company, Rockford, Ill. Generator. 2,071,536; Feb. 23.

Kämmel, Hugo, Zella-Mehlis II, assignor to Mercedes Buromaschinen-Werke Aktiengesellschaft, Benshausen, Germany. Printing adding machine. 2,071,880; Feb. 23.

Kaplan, Esther, administratrix. (See Kaplan, Jacob, assignor.)

Kaplan, Jacob, deceased, by E. Kaplan, administratrix, assignor to E. Kaplan, Washington, D. C. Letter scale. 2,072,037; Feb. 23.

Kauders, Viliam, Prague, Czechoslovakia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamo-electric machine. 2,071,839; Feb. 23.

Keen, W. R. (See Drobile, A. W., Hlers, and Keen.)

Keese, Beverly W., Oshkosh, Wis., assignor to The Timken Detroit Axle Company, Detroit, Mich. Automotive vehicle. 2,071,537; Feb. 23.

Keller, David A. (See Griffith, W. R., and Keller.)

Keller, Jean, Basel, Switzerland. Arrangement for closing boxes, particularly in large garages for motor vehicles. 2,071,840; Feb. 23.

Kelley, Oliver K., assignor, by mesne assignments, to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Clutch and gear shift interlock. 2,071,538; Feb. 23.

Kelling, Alfred H., Chicago, Ill., assignor to International Patents Development Company, Wilmington, Del. Coating process. 2,071,841; Feb. 23.

Kemp, William C., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Multilaternally stretchable creped paper product. 2,071,347; Feb. 23.

Kendall, Paul D. (See Frantz, W. A., and Kendall.)

Kennedy, Benjamin H., Rochester, N. Y. Faucet connection. 2,071,842; Feb. 23.

Kennedy, Benjamin H., Rochester, N. Y. Infant's bathing device. 2,072,038; Feb. 23.

Kifer, Ward G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 2,071,797; Feb. 23.

Kingsbury, Edward J., Keene, N. H. Power feed for drilling machines. 2,071,539; Feb. 23.

Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Washing machine. 2,072,047; Feb. 23.

Kirk, William S. (See Rabezzana, H., McDougal, Ford, and Kirk.)

Klar, Robert L., assignor to Leland Heater Company, Des Moines, Iowa. Draft diverter. 2,071,409; Feb. 23.

Klein, Ray, Brooklyn, N. Y. Spring cushion. 2,071,540; Feb. 23.

Klouman, Henning, assignor to Michiana Products Corporation, Michigan City, Ind. Finger for furnace conveyers. 2,071,541; Feb. 23.

Kmetko, Philip, and A. Kreek, McKeesport, Pa. Can puncturing and closing means. 2,072,002; Feb. 23.

Knight, Ira W., assignor to General Fire Extinguisher Company, Providence, R. I. Valve. 2,071,749; Feb. 23.

Knudsen, Alfred, Astra (Chubut), Argentina. Distilling oils. 2,072,039; Feb. 23.

Konold, Clyde H. (See Wurzbach, H. E., and Konold.)

Koppel Industrial Car and Equipment Company. (See Anderson, John P., assignor.)

Korda, James F., Cleveland, Ohio, assignor to Thomas S. Donnelly, Detroit, Mich. Method of baking. 2,071,635; Feb. 23.

Korn, Isidor, Newark, N. J., assignor of one-half to T. C. Hiller, Irvington, N. J. Fuse. 2,071,843; Feb. 23.

Korsmo, Alfred, Hopkins, and M. Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Windrow harvester. 2,071,844; Feb. 23.

Kouvalis, Theodore P., assignor of one-half to H. H. Sellas, Chicago, Ill. Grease filter. 2,071,467; Feb. 23.

Kowalski, Waclaw, Brooklyn, N. Y. Bread form. 2,071,845; Feb. 23.

Kraner, Hobart M., Bethlehem, Pa., assignor to Corhart Refractories Company, Louisville, Ky. Friable core for molds. 2,071,542; Feb. 23.

Krause, Agnes B., and P. J. Krause, Milwaukee, Wis. Receptacle cover. 2,071,881; Feb. 23.

Krause, Paul J. (See Krause, Agnes B., and P. J.)

Kreek, Anthony. (See Kmetko, P., and Kreek.)

Kremer, Henry A., Gulfport, Miss. Grinding machine. 2,071,882; Feb. 23.

Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Revolving grip tool. 2,071,543; Feb. 23.

Kroll, Harry D., Los Angeles, Calif. Self-locking slider for multiple fasteners. 2,071,544; Feb. 23.

Kronenberger, Ferdinand, Brooklyn, N. Y. Egg holding container. 2,071,545; Feb. 23.

Kuhn, Lee H., and G. W. Hart, Lincoln, Nebr. Freezing, mixing, and chopping machine. 2,071,410; Feb. 23.

Kuhns, William R., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Testing radiator cores. 2,071,546; Feb. 23.

Kuhrmann, Friedrich, Dessau in Anhalt, and P. Nawiasky, and O. Grosskinsky, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of perylene. 2,071,468; Feb. 23.

Kurtz, Cyrus B., Cleveland, Ohio, assignor to C. Carter, as trustee for himself, C. B. Kurtz, and C. B. Kurtz, Jr. Control mechanism. 2,071,348; Feb. 23.

Kurtz, Cyrus B., Jr., et al. (See Kurtz, Cyrus B., assignor.)

Kusebauch, Anton K., Bellevue, assignor to the Westinghouse Air Brake Company, Wilmerding, Pa. Pipe coupling gasket. 2,071,750; Feb. 23.

La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,071,636; Feb. 23.

La Hodny, William, Buffalo, N. Y. Rear view mirror. 2,071,883; Feb. 23.

Lamb, Charles P., and I. E. Schine, Bridgeport, assignors to Cities Terminal Company, Inc., Bridgeport, Conn. Apparatus for spraying material. 2,071,846; Feb. 23.

Lamesch, Armand, assignor to Schlesische Spiegelglas Manufactur, Carl Tielsch G. m. b. h., Waldenburg-Altwasser, Germany. Gauge glass. 2,071,411; Feb. 23.

Landgraf, Francis J. (See Moss, B. L., and Landgraf, assignors.)

Landsiedel, Harry, assignor to Remington Rand Inc., Buffalo, N. Y. Carbon pack or container. 2,071,981; Feb. 23.

Lane, Orley B., Washington, D. C. Building construction. 2,071,399; Feb. 23.

Larrabee, Clifford P., Pittsburgh, Pa. Volumetric analysis apparatus. 2,071,697; Feb. 23.

Larsen, Albert M., assignor to Permanent Reed Co., Seattle, Wash. Making single beating reeds. 2,072,054; Feb. 23.

Lateur, Gaston, San Francisco, Calif. Self-closing cap for collapsible tubes. 2,071,412; Feb. 23.

Lateur, Gaston, San Francisco, Calif. Self-closing cap for collapsible tubes. 2,071,413; Feb. 23.

Laucks, I. F., Inc. (See Dike, Theodore W., assignor.)

Laurent, Milton P., assignor to W-K-M Company, Houston, Tex. Slip. 2,071,637; Feb. 23.

Lauterbach, Otto J., New Orleans, La. Spout for cans. 2,071,638; Feb. 23.

Leavens, Robert E., Houston, Tex. Banana peeler. 2,071,931; Feb. 23.

Lee, Walter O. W., Washington, D. C., and M. O. Jones, Richmond, Va., said Jones assignor to The Duplex Envelope Company, Inc., Richmond, Va. Article to facilitate business accounting. 2,072,040; Feb. 23.

Leland Heater Company. (See Klar, Robert L., assignor.)

Leonard, Joseph E., Berkeley, assignor to Hammer-Bray Company, Lt., Oakland, Calif. Heater. 2,072,048; Feb. 23.

Leppke, Louis A., Omaha, Nebr. Bottle. 2,071,847; Feb. 23.

Lever Brothers Limited. (See Furness, Reginald, assignor.)

Lévy, René L., Montrouge, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland. Retractable landing gear for aeroplanes. 2,071,884; Feb. 23.

Lewis, James N., assignor to Lewis Refrigeration, Inc., Columbus, Ohio. Refrigeration. 2,071,798; Feb. 23.

Lewis, Otto L., and J. P. Wright, assignors, by mesne assignments, to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Shock absorber. 2,071,885; Feb. 23.

Lewis Refrigeration, Inc. (See Lewis, James N., assignor.)

Lewis, Wilbur S., Cleveland, Ohio, assignor to Noma, Inc. Hair waving device. 2,071,886; Feb. 23.

Libbey-Owens-Ford Glass Company. (See Arner, W. J., and Wampler, assignors.)

Lindstrom, Ture, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 2,071,848; Feb. 23.

Llewellyn, Frederick T. (See White, W. B., and Llewellyn.)

Lloyd, David W., Webster Groves, Mo. Safety car equipment. 2,071,752; Feb. 23.

Lloyd, David W., Clayton, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 2,071,751; Feb. 23.

Lloyd, David W., Clayton, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 2,071,753; Feb. 23.

Locke, John. (See Shorter, S. A., Williams, and Locke.)

Locket, A. M., and Company. (See Nelson, B. S., Chambers, and Norton, assignors.)

Long, Jon R., Fort Worth, Tex. Flow device. 2,071,639; Feb. 23.

Long W. E. Co., The. (See Haas, L. W., and Read, assignors.)

Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,071,469; Feb. 23.

Loughridge, Matthew H., Bogota, N. J. Train describing and recording system. 2,071,640; Feb. 23.

Low, Frank K., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,071,547; Feb. 23.

Lowrie, John, Thompsonville, Conn. Knife cutting mechanism for looms. 2,071,414; Feb. 23.

Lowry, Erwin F., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical discharge device. 2,071,849; Feb. 23.

Lubrication Corporation, The. (See Creveling, John L., assignor.)

Lucarelle, Joseph M. (See Beard, T. H., and Lucarelle.)

Lucarelle, Joseph M., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Correction device for dictation machines. 2,072,055; Feb. 23.

Lundquist, Arvid. (See Tomlin, J. R., Lundquist, and Horton.)

Lunn, Gustav, Copenhagen, assignor to Aktieselskabet Frichs, Aarhus, Denmark. Centrifugal governor for internal combustion engines. 2,071,641; Feb. 23.

Lutz, George, Rocky River, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation product of cinchona bark alkaloid. 2,072,003; Feb. 23.

Lutz, George, Rocky River, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cinchona bark alkaloid derivative. 2,072,004; Feb. 23.

Lyon, Norman W., assignor to National Bread Wrapping Machine Co., Springfield, Mass. Wrapper control for wrapping machines. 2,071,548; Feb. 23.

M. G. Car Company Limited, The. (See Renwick, W. S., and Enever, assignors.)

Mabille, Raoul, Brussels, Belgium. Rotary engine. 2,071,799; Feb. 23.

Machotka, Carl R., Avoca, Wis. Cultivator shield. 2,071,642; Feb. 23.

Macht, Maurice L., Jersey City, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization. 2,071,932; Feb. 23.

Mahlman, Osborne L., Kenmore, assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Manufacturing abrasive articles. 2,071,549; Feb. 23.

Mahoney Chair Company. (See Travers, L. C., and Morris, assignors.)

Maker, Frank L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Distillation of oil. 2,071,643; Feb. 23.

Male, Milton, assignor to United States Steel Corporation, New York, N. Y. Pianoforte construction. 2,072,005; Feb. 23.

Malin, Frank A., and L. Domine, Detroit, Mich., said Malin assignor to said Domine. Stand. 2,071,887; Feb. 23.

Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Locating defects in cable sheaths. 2,071,698; Feb. 23.

Mangan, Ella M. (See McBrady, John A., assignor.)

Manning, Maxwell & Moore, Inc. (See Whitcomb, Preston, assignor.)

Manning, Rodney W., Riverside, R. I. Valve adjusting device. 2,071,415; Feb. 23.

Manville, George D., Los Angeles, Calif. Quick adjusting pipe cutter. 2,071,756; Feb. 23.

Marathon Company. (See Whittaker, Frederick A., assignor.)

Marlowe, Harold J., New Rochelle, N. Y., assignor to Jackomatic Corporation. Automobile jack. 2,071,470; Feb. 23.

Marshall, Charles O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Computing device. 2,071,416; Feb. 23.

Martin, Herbert E. (See Dreyfus, C., and Martin.)

Martin, Hilmar G., assignor to The Medical Society of Milwaukee County, Milwaukee, Wis. Apparatus for testing eyes. 2,072,056; Feb. 23.

Martin, Peter R., assignor to Fuel Treating Products Co., Chicago, Ill. Treatment of calcium magnesium chloride. 2,071,417; Feb. 23.

Martin, Thomas, assignor of one-third to Hugh E. McLennan, Pittsburgh, Pa. Tube socket. 2,071,699; Feb. 23.

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaning apparatus. 2,071,982; Feb. 23.

Matheson, George L., Elizabeth, N. J., assignor to Standard Oil Development Company. Oil filter and assembling the same. 2,071,550; Feb. 23.

Matheson, George L., Union, N. J., assignor to Standard Oil Development Company. Apparatus for volatilization. 2,071,551; Feb. 23.

Mathsen, Marvin L., Wharton, N. J. Fuse. 2,071,350; Feb. 23.

Matter, Albert J. (See Payne, F. E., and Matter.)

Matthews, Blanche E., Los Angeles, Calif. Key holder. 2,071,757; Feb. 23.

McBerty, Fred P., Warren, Ohio. Electric seam welder. 2,071,418; Feb. 23.

McBrady, John A., assignor of one-half to E. M. Mangan, Valley City, N. Dak. Combination trunk, bed, and tent. 2,071,644; Feb. 23.

McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironing machine. 2,071,888; Feb. 23.

McClure, Ernest H. (See Wayman, Albert J., assignor.)

McCollum, Henry J. De N. (See McCollum, James H. K. and H. J. De N.)

McCollum, James H. K. and H. J. De N., Evanston, Ill. Vacuum power clutch. 2,071,983; Feb. 23.

McCullam, William G., Elizabeth, N. J., assignor to Standard Oil Development Company. Floating roof for storage tanks. 2,071,552; Feb. 23.

McCullam, William G., Elizabeth, N. J., assignor to Standard Oil Development Company. Floating roof for storage tanks. 2,071,553; Feb. 23.

McDougal, Taine G. (See Rabezzana, H., McDougal, Ford, and Kirk.)

McDougall, Gilbert W., assignor to Erie Meter Systems, Inc., Erie, Pa. Gasoline dispensing apparatus. 2,071,554; Feb. 23.

McGlynn, James D., Royal Oak, Mich. Drum rolling device. 2,071,889; Feb. 23.

McGrew, John A., Albany, N. Y. Brake shoe key. 2,072,007; Feb. 23.

McKay, John, Glenside, Pa. Waterproofing structures. 2,071,758; Feb. 23.

McLennan, Hugh E. (See Martin, Thomas, assignor.)

McNamara, Ambrose J., Utica, N. Y. Muffler for internal combustion engines. 2,071,351; Feb. 23.

McNeil, John, London, England, assignor to The International Nickel Company, Inc., New York, N. Y. Electrode and electrical contact. 2,071,645; Feb. 23.

McPhail, Theodore, Fort Hancock, N. J. Container closure. 2,071,700; Feb. 23.

McWane, Henry E., Lynchburg, Va. Forehearth. 2,071,890; Feb. 23.

Meder, Heinrich, Dresden, Germany. Producing a completely insulating air and acidproof protective coating especially for mirrors. 2,071,555; Feb. 23.

Medical Society of Milwaukee County, The. (See Martin, Hilmar G., assignor.)

Méjean, Jacques G., Chatou, assignor to Societe Bronzavia, Courbevoie, France. Shock absorbing apparatus. 2,071,701; Feb. 23.

Melind, Louis, Chicago, Ill. Making rubber printing type and plates. 2,071,646; Feb. 23.

Menough, Paul S., Pittsburgh, Pa., assignor to Michiana Products Corporation, Michigan City, Ind. Furnace conveyer. 2,071,556; Feb. 23.

Mercedes Buromaschinen Werke Aktiengesellschaft. (See Kämmel, Hugo, assignor.)

Metalloys Company. (See Schultz, Randall W., assignor.)

Meura, Paul, Tournai, Belgium. Filter. 2,071,891; Feb. 23.

Meyer, Edwin C., Los Angeles, Calif. Pencil sharpener. 2,071,352; Feb. 23.

Michiana Products Corporation. (See Klouman, Henning, assignor.)

Michiana Products Corporation. (See Menough, Paul S., assignor.)

Midway Chemical Company. (See Burchell, E. W., and Altenbern, assignors.)

Miessner, Benjamin F., township of Millburn, Essex County, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Alarm system. 2,071,933; Feb. 23.

Miessner, Benjamin F., Millburn, and C. T. Jacobs, New Providence, N. J., assignors to Miessner Inventions, Inc. Apparatus for the production of music. 2,071,649; Feb. 23.

Miessner Inventions, Inc. (See Miessner, B. F., and Jacobs, assignors.)

Miller, Elliot A., New York, N. Y. Garment storage bag. 2,071,850; Feb. 23.

Miller, Kay. (See Swennes, B. A., and Miller.)

Miller, Lloyd E., Cleveland Heights, assignor to The Reliance Electric & Engineering Company, Cleveland, Ohio. Adjustable speed electric motor. 2,072,008; Feb. 23.

Miller, Vernon L., assignor to The Faultless Rubber Company, Ashland, Ohio. Shaped rubber sponge. 2,071,647; Feb. 23.

Milprint Products Corporation. (See Hanson, Roy E., assignor.)

Mining Engineering Company Limited, The. (See Moore, Matthew S., assignor.)

Minneapolis-Honeywell Regulator Company. (See Campbell, Thomas F., assignor.)

Minneapolis-Moline Power Implement Company. (See Korsmo, A., and Ronning, assignors.)

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Voltage control circuit. 2,071,984; Feb. 23.

Minnis, George F., Jr., Chicago, Ill. Window cleaner's anchorage. 2,072,041; Feb. 23.

Minorsky, Nicolai, Narberth, Pa., assignor to Radio Corporation of America, New York, N. Y. Electron discharge tube system. 2,071,759; Feb. 23.

Mirfield, George E., Youngstown, Ohio, assignor, by mesne assignments, to Direct Current Welding Company. Machine for welding tubular articles. 2,071,760; Feb. 23.

Miyaoka, Yasutaka, Colfax, Calif. Combination flashlight and headlight. 2,071,557; Feb. 23.

Mock, Frank C., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Fuel pump. 2,071,800; Feb. 23.

Moeller, George J., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston expander inserter. 2,071,648; Feb. 23.

Mohr, Georg. (See Paschen, P., and Mohr, assignors.)

Moore, Clark M., Evanston, assignor to Diversey Corporation, Chicago, Ill. Bakepan. 2,071,892; Feb. 23.

Moore, Matthew S., Malvern, assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Loading machine for mines. 2,072,009; Feb. 23.

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Automatic adjusting device. 2,072,010; Feb. 23.

Morgan, Willard L., Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Compositions for fireproofing. 2,071,353; Feb. 23.

Morgan, Willard L., Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Fireproofing compositions. 2,071,354; Feb. 23.

Morgan, Willard L., Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article of manufacture. 2,071,558; Feb. 23.

Morgan, Willard L., Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article of manufacture. 2,071,559; Feb. 23.

Morris, George L. (See Travers, L. C., and Morris, assignors.)

Morway, Arnold J. (See Zimmer, J. C., and Morway.)

Moss, Benjamin L., and F. J. Landgraf, assignors to L. Moss, Chicago, Ill. Multiple fuse plug. 2,071,934; Feb. 23.

Moss, Leopold. (See Moss, B. L., and Landgraf, assignors.)

Moss, William H., London, England, assignor to Celanese Corporation of America. Treatment of textile material. 2,071,419; Feb. 23.

Motor Terminals Company. (See Fitch, Benjamin F., assignor.)

Motor Terminals Company. (See Norbom, Ragnar A., assignor.)

Mully, Glenn, Scarsdale, N. Y., assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Control for refrigerating systems. 2,071,935; Feb. 23.

Müller, C. H. F., Aktiengesellschaft. (See Jonas, Gottfried B., assignor.)

Muns, George E., Midland, Pa. Thermostatic control for warm air furnaces. 2,071,560; Feb. 23.

Murray Corporation of America, The. (See Northup, Amos E., assignor.)

Musket, Peter P., and D. E. Richardson, assignors to H. G. Fischer & Co. Inc., Chicago, Ill. High frequency apparatus. 2,071,561; Feb. 23.

Mustin, George T., Memphis, Tenn. Windshield wiper 2,071,851; Feb. 23.

Muth, Friedrich, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Hydroxycarbazole carboxylic acid arylamides. 2,071,702; Feb. 23.

Myers, Guy M., Washington, D. C., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Firing table. 2,072,006; Feb. 23.

Myers, William H., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Collapsible core and making and using the same. 2,071,864; Feb. 23.

Myllus, Walter G., Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Watt-hour meter. 2,071,936; Feb. 23.

N. V. Nederlandsche Instrumenten Compagnie "Nedinsco." (See Papello, Karl, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Dobben, P. W., and Visser, assignor.)

Nagele, Joseph, Sheldon, Ill. Combined can bail and opener. 2,071,650; Feb. 23.

Napolitan, Gene, Brooklyn, N. Y. Brake. 2,071,420; Feb. 23.

Nathan, Adolf. (See Varren, Alexander, assignor.)

National Blank Book Company. (See Schade, John, assignor.)

National Bread Wrapping Machine Co. (See Lyon, Norman W., assignor.)

National Cash Register Company, The. (See Breitling, Ernst, assignor.)

National Malleable and Steel Castings Company. (See Bazeley, Arthur J., assignor.)

National Supply Company of Delaware, The. (See Noltein, George F., assignor.)

Nawiasky, Paul. (See Kuhrmann, F., Nawiasky, and Grosskinsky.)

Neill, David S., Genoa, Italy. Process and device for degumming ramie and other similar fibers. 2,071,651; Feb. 23.

Nell, Gustave M., and A. G. Slatcher, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 2,071,852; Feb. 23.

Nelson, Bernard S., New Orleans, La., H. E. Chambers, Jr., and J. G. Norton, Dallas, Tex., assignors to A. M. Lockett and Company, Limited, New Orleans, La. Automatic suction primer for oil field service. 2,071,703; Feb. 23.

Nelson, Herman, Corporation, The. (See Shurtleff, Wilfred, assignor.)

Nelson, Jennings, St. Paul, Minn. Scraper. 2,071,562; Feb. 23.

Nelson, John W., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Gasifier for heating industrial appliances. 2,071,421; Feb. 23.

Nerney, George E., Attleboro, Mass., assignor to Bay State Optical Company. Eyeglass construction. 2,071,893; Feb. 23.

Neubert, Paul, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Device for indicating the temperature distribution of hot bodies. 2,071,471; Feb. 23.

Newcomb, Edward R., Niagara Falls, N. Y., and H. R. Stratford, Cleveland, Ohio, said Newcomb assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., said Stratford assignor to The Stratmore Company, Cleveland, Ohio. Abrading apparatus. 2,071,563; Feb. 23.

Newlin, George E., Los Angeles, Calif. Kitchen utensil. 2,071,422; Feb. 23.

Nicholson, Leslie G., St. Helena, Calif. Motorcycle driving mechanism, drive line, and braking mechanism 2,071,761; Feb. 23.

Nickle, Burr, Butler, Pa. Mat. 2,071,762; Feb. 23.

Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Cyclic variable frequency oscillator. 2,071,564; Feb. 23.

Noltein, George F., Springfield, assignor to The National Supply Company of Delaware, Toledo, Ohio. Internal combustion engine. 2,072,011; Feb. 23.

Noma Electric Corporation. (See Wolf, Abraham, assignor.)

Noma, Inc. (See Lewis, Wilbur S., assignor.)

Norbom, Ragnar A., Clifton, N. J., assignor to Motor Terminals Company, New York, N. Y. Vehicle for carrying demountable bodies. 2,071,355; Feb. 23.

Nordlohne, Pierre J. H. A., Eindhoven, Netherlands, assignor to Radio Corporation of America. Ultra-high frequency oscillation generator. 2,071,423; Feb. 23.

Normann, Wilhelm, and H. Prückner, assignors, by mesne assignments, to Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Producing tetrahydrofurfuryl alcohol. 2,071,704; Feb. 23.

Northup, Amos E. (See Widman, C. H., and Northup.)

Northup, Amos E., Pleasant Ridge, Mich., assignor to The Murray Corporation of America. Vehicle body. 2,071,652; Feb. 23.

Norton Company. (See Van der Pyl, Edward, assignor.)

Norton Company. (See Wood, Wallace H., assignor.)

Norton, John G. (See Nelson, B. S., Chambers, and Norton, assignors.)

Nürnberger, Paul, Markneukirchen, assignor to E. Herrmann, Berlin, Germany. Bow for stringed instruments. 2,071,894; Feb. 23.

Nyhagen, Richard M., Jr., Chicago, Ill. Building construction. 2,071,653; Feb. 23.

Ober, Leonard, assignor, by mesne assignments, to Controlled Weights, Inc., Baltimore, Md. Apparatus for indicating and recording weighing operations. 2,071,705; Feb. 23.

Oelbaum, Henry, Cranston, assignor to H. Hassenfeld, Providence, R. I. Interchangeable fountain marking pen. 2,071,985; Feb. 23.

Oelkers, Alfred H., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,071,945; Feb. 23.

Oelkers, Alfred H., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,071,946; Feb. 23.

Oelkers, Alfred H., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,071,947; Feb. 23.

Öholm, Gustav V., Nockeby, assignor to Aktiebolaget Svenska Flaktfabriken, Stockholm, Sweden. Method of and apparatus for cleaning pine and fir cones and the like. 2,071,895; Feb. 23.

Oilgear Company, The. (See Douglas, James K., assignor.)

Oilgear Company, The. (See Ferris, W., and Foblan, assignors.)

Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Ironing machine. 2,071,896; Feb. 23.

Opticolor Aktiengesellschaft. (See Räntsch, Kurt, assignor.)

Ossenbrunner, Armin. (See Hagedorn, M., Ossenbrunner, and Wilmanns.)

Oudemans, Gillis. (See Honing, W., and Oudemans, assignors.)

Outboard Motors Corporation. (See Irgens, Finn T., assignor.)

Overmyer, George J., Hartford City, Ind. Combined cap valve and cream separator for milk bottles. 2,071,565; Feb. 23.

Pacific Machinery Company. (See Thompson, Albert R., assignor.)

Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)

Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)

Pad-Y-Wax Company. (See Stroop, John, assignor.)

Pagett, William P., Denver, Colo. Teeing golf balls and device therefor. 2,071,356; Feb. 23.

Papello, Karl, Jena, Germany, assignor to the firm N. V. Nederlandsche Instrumenten Compagnie "Nedinsco", Venlo, Netherlands. Apparatus for following a target. 2,071,424; Feb. 23.

Papello, Karl, Jena, Germany, assignor to the firm N. V. Nederlandsche Instrumenten Compagnie "Nedinsco", Venlo, Netherlands. Calculating apparatus for firing directors for shooting at moving aerial targets. 2,071,425; Feb. 23.

Paper Service Company, The. (See Kemp, William C., assignor.)

Paper Service Company, The. (See Rowe, William W., assignor.)

Papini, Anthony. (See Schlicker, H. C., and Papini.)

Parker, Milton E. (See Johnston, A. H., Welsberg, Johnson, and Parker.)

Parker, Milton E. (See Welsberg, S. M., Johnson, and Parker.)

Parsons, Raymond V., Tudor City, assignor to Johns Manville Corporation, New York, N. Y. Building wall assembly. 2,071,865; Feb. 23.

Paschen, Paul, and G. Mohr, Nuremberg, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin Siemensstadt, Germany. Odometer for railway vehicles. 2,071,654; Feb. 23.

Postor Products, Inc. (See Engert, Caspar F., assignor.)

Patent-Treuhand Gesellschaft fuer Elektrische Gluehlampen. (See Regenstreif, J., and Sorge, assignors.)

Pates, Thomas S. (See Braden, William C., assignor.)

Patrol Valve Company, The. (See Geurink, L. H., and Schulte, assignors.)

Patterson Shade Co. (See Hendricks, Ralph T., assignor.)

Payne, Frank E., Glencoe, and A. J. Matter, Park Ridge, assignors to Crane Packing Company, Chicago, Ill. Packing. 2,071,566; Feb. 23.

Payne, William H., La Grange, Ill. Clamp for electric arc furnace electrodes. 2,071,937; Feb. 23.

Pazzano, Frederick F., Waltham, Mass. Combination battery tool. 2,071,897; Feb. 23.

Pennybacker, Miles, West Orange, assignor to Voltarc Tubes, Inc., Newark, N. J. Luminous discharge tube. 2,071,426; Feb. 23.

Pensel, George R., Amsterdam, N. Y. Combination tanning process. 2,071,567; Feb. 23.

Perfection Steel Company. (See Hardesty, Ben F., assignor.)

Permanent Reed Co. (See Larsen, Albert M., assignor.)

Permutit Company, The. (See Tiger, Howard L., assignor.)

Permutit Company (1934), The. (See Bard, Francis N assignor.)

Peters, Leo R., Cleveland, Ohio, assignor to General Electric Company. Illuminating device. 2,071,948; Feb. 23.

Pierce, James B., Jr., assignor to Barium Reduction Corporation, Charleston, W. Va. Blanc fixe and making same. 2,071,938; Feb. 23.

Pierce, John B., Foundation. (See Groeniger, William C.)

Piggott, Henry A., Cheadle Hulme, and E. H. Rodd, Brooklands, England, assignors to Imperial Chemical Industries Limited. Sensitized photographic silver halide emulsions. 2,071,898; Feb. 23.

Piggott, Henry A., Cheadle Hulme, and E. H. Rodd, Brooklands, England, assignors to Imperial Chemical Industries Limited. Sensitized photographic film, plate, and emulsion. 2,071,899; Feb. 23.

Pintsch, Julius, Aktiengesellschaft. (See von Mihaly Dénes, assignor.)

Pittsburgh Steel Drum Company. (See Jesser, Albert E., assignor.)

Plaskon Company. (See Howald, Arthur M., assignor.)

Pletcher, Clarence, Buchanan, Mich. Water-sand blast gun. 2,071,472; Feb. 23.

Plymouth Rubber Company. (See Harris, Frank, assignor.)

Pollitzer, Franz, Grossbesselohe, near Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Separation of gas mixtures. 2,071,763; Feb. 23.

Porter, Frank. (See Rogers, D. A., and Porter.)

Porter, Frank, Syracuse, assignor to The Solvay Process Company, New York, N. Y. Recovery of phthalic anhydride or acid. 2,071,357; Feb. 23.

Power Specialties Limited. (See Cockburn, David H., assignor.)

Pressed Steel Car Company. (See Suckfield, George A., assignor.)

Price, Abraham R., San Francisco, Calif. Buckle for suspenders. 2,071,427; Feb. 23.

Prince, David C., Swarthmore, Pa. Automatic gear shift. 2,071,428; Feb. 23.

Prince, Samuel F., Clovis, N. Mex. Brake beam safety support. 2,071,568; Feb. 23.

Procter, Howard E., Portsmouth, N. H. Gauge and locating device for torpedo tubes. 2,071,358; Feb. 23.

Procter, Richard H., Teaneck, N. J Auxiliary shelf for bathroom cabinets. 2,071,900; Feb. 23.

Prückner, Hermann. (See Normann W., and Prückner, assignors.)

Purrmann, Carl, assignor of one-half to Dr. Vincent H. Helmbrecht, Mayville, Wis. Toilet medicator. 2,071,655; Feb. 23.

Quave, George M., West Asheville, N. C. Bellows. 2,071,986; Feb. 23.

Rabe, Hans. (See Hartmann, H., and Rabe.)

Rabezzana, Hector. (See Randolph, D. W., and Rabezzana, assignors.)

Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Shielded mica spark plug. 2,071,570; Feb. 23.

Rabezzana, Hector, T. G. McDougal, J. T. Ford and W. S. Kirk, Flint, assignors to General Motors Corporation, Detroit, Mich. Two-piece center wire spark plug. 2,071,571; Feb. 23.

Rabezzana, Hector, and A. J. Battey, Flint, assignors to General Motors Corporation, Detroit, Mich. Radio shield for spark plugs. 2,071,572; Feb. 23.

Radio Corporation of America. (See Frantz, Samuel G., assignor.)

Radio Corporation of America. (See Miessner, Benjamin F., assignor.)

Radio Corporation of America. (See Minorsky, Nicolai, assignor.)

Radio Corporation of America. (See Nordlohne, Pierre J. H. A., assignor.)

Radio Corporation of America. (See Reinartz, John L., assignor.)

Radio Corporation of America. (See Rust, Noel M., assignor.)

Radio Corporation of America. (See Sidney, Watson, assignor.)

Radio Corporation of America. (See Smith, Rogers M., assignor.)

Radio Corporation of America. (See Vasselli, Anthony J., assignor.)

Radway, Carl L. (See Barnes, R. H., and Radway.)

Ragatz, Edward G., assignor to Union Oil Company of California, Los Angeles, Calif. Fractionating method and apparatus. 2,071,429; Feb. 23.

Raizess, George W., and L. W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Halogen derivatives of α-ethyl propyl cresols. 2,071,939; Feb. 23.

Ramsey Accessories Manufacturing Corporation. (See Moeller George J., assignor.)

Rand, Le Roy H., Brooklyn, N. Y. Garment protector. 2,071,569; Feb. 23.

Randall Company, The. (See Randall, H. D., and Johnston, assignors.)

Randall, Howard D., and W. F. Johnston, assignors to The Randall Company, Cincinnati, Ohio. Nut hulling machine. 2,071,853; Feb. 23.

Randol, Glenn T., Marmaduke, Ark. Transmission control mechanism for motor vehicles. 2,071,359; Feb. 23.

Randolph, Donald W., and H. Rabezzana, Flint, assignors to General Motors Corporation, Detroit, Mich. Ignition system. 2,071,573; Feb. 23.

Räntsch, Kurt, Tetlow-Seehof near Berlin, Germany, assignor to Opticolor Aktiengesellschaft, Glarus, Switzerland. Apparatus for printing lenticulated films. 2,071,764; Feb. 23.
Rauen, Carl F., Grosse Pointe, Mich. Transmission. 2,072,057; Feb. 23.
Rauen, Carl F., Grosse Pointe, Mich. Clutch structure. 2,072,058; Feb. 23.
Rauen, Carl F., Grosse Pointe, Mich. Power transmission system. 2,072,059; Feb. 23.
Raytheon Production Corporation. (See Heins, Harold, assignor.)
Reach, Milton B., Springfield, assignor to The Stopperless Water Bottle Co., Chicopee, Mass. Water bag or the like. 2,071,706; Feb. 23.
Read, John W. (See Haas, L. W., and Read.)
Reading Iron Company. (See Hartgen, Frederick A., assignor.)
Reed & Carnrick. (See Eldred, Frank R., assignor.)
Regenstreif, Jakob, Berlin-Charlottenburg, and O. Sorge, Berlin-Wilmersdorf, assignors to Patent-Treuhand-Gesellschaft fuel Elektrische Gluehlampen, (m. b. H.) Berlin, Germany. Electric furnace for melting glass. 2,071,707; Feb. 23.
Regis, Edward, and G. Esposito, Brooklyn, N. Y. Garment and belt means therefor. 2,071,574; Feb. 23.
Rehfeld, George W., Manhattan, Kans. Jetty structure. 2,071,656; Feb. 23.
Reich, Samuel, Brooklyn, N. Y. Box. 2,071,949; Feb. 23.
Reid, James, Darien, Conn. Waterproofed paper. 2,071,360; Feb. 23.
Reinartz, John L., Manchester, Conn., assignor to Radio Corporation of America. Superregenerative receiver. 2,071,950; Feb. 23.
Reiter, Harold J., Chicago, Ill. Spring fastener. 2,071,575; Feb. 23.
Reiter, Harold J., Chicago, Ill. Snap fastener. 2,071,576; Feb. 23.
Reliance Electric & Engineering Company, The. (See Miller, Lloyd E., assignor.)
Remington Rand Inc. (See Landsiedel, Harry, assignor.)
Remington Typewriter Company. (See Strother, Robert H., assignor.)
Renwick, William S., and A. S. Enever, assignors to The M. G. Car Company Limited, Abingdon-on-Thames, England. Suspension of road vehicles. 2,071,577; Feb. 23.
Republic Steel Corporation. (See Sloan, Thomas N., assignor.)
Research Laboratories of National Dairy Products Corporation. (See Weisberg, S. M., Johnson, and Parker, assignors.)
Research Laboratories of National Dairy Products Corporation, Inc. (See Johnson, A. H., Weusberg, Johnson, and Parker, assignors.)
Resinous Products & Chemical Company, The. (See Bruson, H. A., Robinson, and Stein.)
Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Buckle. 2,071,940; Feb. 23.
Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Buckle. 2,071,951; Feb. 23.
Reynolds Corporation. (See Coddington, Edwin D., assignor.)
Reynolds, Frank P., assignor to Bird & Son, Inc., East Walpole, Mass. Siding shingle. 2,071,430; Feb. 23.
Rheem Manufacturing Company. (See Rheem, Richard S., assignor.)
Rheem, Richard S., Oakland, assignor to Rheem Manufacturing Company, Richmond, Calif. Noncorrosive lined container. 2,071,602; Feb. 23.
Rhodus, Lloyd, Kelso, Wash., assignor to H. H. Vertrees, Pittsfield, Ill. Corn planter. 2,071,708; Feb. 23.
Richardson, Donald E. (See Musket, P. P., and Richardson.)
Richardson, Gideon, Seattle, Wash. Selfclosing nozzle for containers. 2,071,657; Feb. 23.
Ricketts, James R., Oakland, Calif. Shoemaker's stitching awl. 2,071,901; Feb. 23.
Riddell, John T., Chicago, Ill. Gymnasium and outing shoe. 2,071,431; Feb. 23.
Riddle, Harvey W., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Wire strand. 2,071,709; Feb. 23.
Ridler, Earl S., Shaker Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicic acid gels. 2,071,987; Feb. 23.
Rieman, Otto A., St. Louis, Mo. Electrical connecting device. 2,072,042; Feb. 23.
Roach, Edmund J., Beaumont, Tex., assignor to Beaumont Iron Works Company. Pedestal sheave assembly. 2,071,578; Feb. 23.
Roach, Edmund J., Beaumont, assignor to Beaumont Iron Works Company, Jefferson County, Tex. Clutch for rotary draw works. 2,071,579; Feb. 23.
Roberts, Glyn P., Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,071,658; Feb. 23.
Roberts-Gordon Appliance Corporation. (See Gordon, William S. Jr., assignor.)
Robinson, Jack D. (See Bruson, H. A., Robinson, and Stein.)
Rockware Glass Syndicate Limited, The. (See Adams, Frederick W., assignor.)
Rodd, Ernest H. (See Piggott, Henry A., and Rodd.)
Rodman, Clarence J., Alliance, Ohio. Enameling. 2,071,765; Feb. 23.
Roesch, Frank P., Chicago, Ill., and C. R. Davison, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Firing table. 2,072,049; Feb. 23.
Rogers, Donald A., Petersburg, Va., and F. Porter, Syracuse, assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Catalytic oxidation of naphthalene. 2,071,361; Feb. 23.
Rohde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug. 2,071,432; Feb. 23.
Rohn, Wilhelm, assignor to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany. Manufacturing iron alloys. 2,071,942; Feb. 23.
Ronning, Martin. (See Korsmo, A., and Ronning.)
Rose, Harry, Plymouth, Ind. Engine cooling and car heating system and apparatus. 2,071,659; Feb. 23.
Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Powder gun and plunger device adapted therefor. 2,071,580; Feb. 23.
Rosenberg, George, and L. Spiselman, New York, N. Y. Glass picture frame and decorative corner connecter therefor. 2,071,581; Feb. 23.
Ross, Clifford O., Beverly Hills, Calif. Lubricant retainer for the supporting springs of vehicles. 2,071,854; Feb. 23.
Roth, Henry W., Detroit, Mich. Switch actuating device for electric welding machines. 2,071,473; Feb. 23.
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Bag and container for heavy duty. 2,071,362; Feb. 23.
Ruscoe, Garnet W. (See Holm-Hansen, O., and Ruscoe.)
Russ, Harley W., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wood heel turning machine. 2,071,433; Feb. 23.
Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. Tunable selector circuits. 2,071,902; Feb. 23.
Rust, Theodore M., and D. T. Craft, Norfolk, Va. Heating and cooling system. 2,071,801; Feb. 23.
Salerni, Piero M., Westminster, England. Power transmission mechanism. 2,071,582; Feb. 23.
Saltzman, George C. (See Bouton, E. M., and Saltzman, assignors.)
Sanders, Charles, North Vancouver, British Columbia, Canada. Dredging apparatus. 2,072,012; Feb. 23.
Särnmark, Axel U., Gothenburg, Sweden. Method and machine for producing flakes and the like from plastic masses. 2,071,434; Feb. 23.
Sasse, Carl, Lanenau, Germany. Comfort chair. 2,071,988; Feb. 23.
Saudicoeur, Louis J., Villeurbanne, assignor to Ateliers de Constructions Electriques de Delle, Paris, France. Combined flame baffle and indicator for fusible cutouts. 2,071,435; Feb. 23.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Bookbinder construction. 2,071,766; Feb. 23.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf book. 2,071,767; Feb. 23.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf book. 2,071,768; Feb. 23.
Schaelchlin, Walter, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ship propulsion stability control. 2,071,855; Feb. 23.
Schafer, John V., assignor to Bronson Reel Company, Bronson, Mich. Fishing reel. 2,071,474; Feb. 23.
Scheibell, Gordon R., Newark, N. J. Sound film apparatus 2,071,952; Feb. 23.
Scheineman, Fred W. (See Thiele, E. W., and Scheineman, assignors.)
Schering-Kahlbaum A. G. (See Hildebrandt, Friedrich, assignor.)
Schine, Isaac E. (See Lamb, C. P., and Schine.)
Schirmer, G., Inc. (See Engel, Carl, assignor.)
Schlesische Spiegelglas-Manufactur, Carl Tielsch G. m. b. H. (See Lamesch, Armand, assignor.)
Schlicker, Herman C., Brooklyn, N. Y., and A. Papini, Leonia, N. J. Electric lamp socket. 2,071,769; Feb. 23.
Schmid, Alfred, Berlin-Dahlem, Germany, assignor to O. F. Wyss, Zurich, Switzerland. Ignition composition. 2,071,710; Feb. 23.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Acid and water-proofed articles and making same. 2,071,436; Feb. 23.
Schou, Theodor, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Flywheel type electric machine. 2,071,953; Feb. 23.
Schulte, William A. (See Geurink, L. H., and Schulte.)
Schultz, Randall W., assignor to Metalloys Company, Williamsport, Pa. Wire coating process and apparatus. 2,072,060; Feb. 23.
Schulz, Alfred J., and H. H. Schulz, Milwaukee, Wis. Door check. 2,071,660; Feb. 23.
Schulz, Herbert H. (See Schulz, Alfred J., and H. H.)
Schutt, Arthur J., Lockport, N. Y., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Making bellows. 2,071,583; Feb. 23.

Schuyler, Robert J., and J. U. Shanklin, Lawton, Okla. Apparatus for and method of preventing unauthorized removal of vehicle tags. 2,071,661; Feb. 23.
Scovill Manufacturing Company. (See Dews, Joseph W., assignor.)
Scruggs, Loyd, University City, Mo. Chuck or tool holder. 2,071,954; Feb. 23.
Sealtest System Laboratories, Inc. (See Weisberg, D. M., Chappell, Stringer and Stevens, and Trebler, assignors.)
Searle, Clarence C., Maricopa, Calif. Pumping unit. 2,071,437; Feb. 23.
Segal, Hyman R., New York, N. Y. Package. 2,071,856; Feb. 23.
Seibel, Elmer F. (See Davison, C. R., and Seibel.)
Sellas, Harry H. (See Kouvalils, Theodore P., assignor.)
Severson, Charles E. (See Dierks, L. E., and Severson.)
Shanklin, John U. (See Schuyler, R. J., and Shanklin.)
Shannon, Ellwood M., Bala, Pa. Power reverse gear. 2,071,363; Feb. 23.
Sharples Solvents Corporation, The. (See Thomas, Charles A., assignor.)
Sharps, Samuel, assignor to Superior Knitting Mills, Philadelphia, Pa. Garment construction and making the same. 2,072,050; Feb. 23.
Shaw, Claude, and J. Best, Bristol, Va.; said Best assignor to said Shaw. Doweling machine. 2,072,013; Feb. 23.
Shaw-Walker Company, The. (See Hunter, David E., assignor.)
Sheffield Steel Corporation. (See Westphal, Frederick A., assignor.)
Shell Development Company. (See Tamele, M. W., and Groll, assignors.)
Shepard, David C. (See Smith, Swan, assignor.)
Sherman, John Q., Dayton, Ohio. Manifold material. 2,071,364; Feb. 23.
Shield, Lansing P., Hackensack, N. J. Apparatus for distributing or collecting articles. 2,071,770; Feb. 23.
Shield, Lansing P., Hackensack, N. J. System and apparatus for distributing or collecting articles. 2,071,771; Feb. 23.
Shippy, Leo C., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Machine for forming radiator strips. 2,071,584; Feb. 23.
Shipway, George E., Noroton, Conn., assignor to Johns-Manville Corporation, New York, N. Y. Joint assembly and nailing strip. 2,071,772; Feb. 23.
Shively, John J., New York, N. Y. Inertia operated device. 2,071,903; Feb. 23.
Shorter, Sydney A., T. C. Williams, and J. Locke, assignors to The British Corron Industry Research Corporation, Didsbury, Manchester, England. Producing slivers or ends of fibrous materials. 2,071,438; Feb. 23.
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Direct reading comfortable temperature indicator. 2,071,904; Feb. 23.
Sidney, Watson, Bloomfield, N. J., assignor to Radio Corporation of America. Welding apparatus. 2,071,773; Feb. 23.
Siecke, Wolfhart. (See von Girsewald, C. B., Siecke, and Wohlwill.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Paschen, P., and Mohr, assignors.)
Sigg, Emil A., Sherwood, Ohio. Coupling for a flywheel. 2,071,475; Feb. 23.
Sinclair Refining Company. (See Beach, Kenneth A., assignor.)
Sippel, John J. (See Butterworth, H. W., Jr., and Sippel.)
Slatcher, Alfred G. (See Nell, G. M., and Slatcher.)
Sloan, Thomas N., Buffalo, N. Y., assignor to Republic Steel Corporation, Yonngstown, Ohio. Method of and apparatus for die rolling. 2,071,866; Feb. 23.
Smith, George L., Rockford, Ill., assignor, by mesne assignments, to Thermo Brakes Corporation, Washington, D. C. Automatic brake adjusting mechanism. 2,072,014; Feb. 23.
Smith, Henry J., Minneapolis, Minn. Traffic signal. 2,071,955; Feb. 23.
Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Locking mechanism. 2,071,585; Feb. 23.
Smith, Rogers M., Merchantville, N. J., assignor to Radio Corporation of America. Radio receiving system. 2,071,858; Feb. 23.
Smith, Roy M., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company. Broad range time limit relay. 2,071,857; Feb. 23.
Smith, S. Morgan, Company. (See Brisbane, Eugene C., assignor.)
Smith, Swan, White Bear, assignor to D. C. Shepard, St. Paul, Minn. Container and hoop construction. 2,071,662; Feb. 23.
Smith, Swan, White Bear, assignor to D. C. Shepard, St. Paul, Minn. Cover fastener. 2,071,663; Feb. 23.
Smith, Thomas A., Bradley Beach, N. J. Toy derrick. 2,071,905; Feb. 23.
Sneva, Ingolf E., assignor to Ideal Machine Company, Chicago, Ill. Fruit pitting machine. 2,071,664; Feb. 23.
Snow, Lester R., Winchester, Mass. Envelope. 2,071,439; Feb. 23.
Societe Bronzavia. (See Méjean, Jacques G., assignor.)
Societe d'Inventions Aeronautigques et Mecaniques S. I. A. M. (See Lévy, René L., assignor.)
Socony-Vacuum Oil Company. (See Fisher, Gerald M., assignor.)
Socony-Vacuum Oil Company. (See Watt, Ellsworth, assignor.)
Solar Industries, Inc. (See Ballentine, Earle W., assignor.)
Soldt, Adolf G., Long Island City, N. Y. Milk bottle receptacle. 2,071,956; Feb. 23.
Solvay Process Company, The. (See Brown, Ralph L., assignor.)
Solvay Process Company, The. (See Porter, Frank, assignor.)
Solvay Process Company, The. (See Rogers, D. A., and Porter, assignors.)
Sorge, Ottokar. (See Regenstreif, J., and Sorge, assignors.)
Spalding, A. G., & Bros. (See Dickson, John B., assignor.)
Spalding, A. G., & Bros. (See Glahe, Frederick W., assignor.)
Spiselman, Louis. (See Rosenberg, G., and Spelselman.)
Spöttel, Adolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio control device. 2,071,774; Feb. 23.
Sprouls, Hugh W., Portland, Oreg. Automatic knee-locking device. 2,071,711; Feb. 23.
Stanco Incorporated. (See Rose, William H.)
Standard Oil Company. (See Thiele, E. W., and Scheineman.)
Standard Oil Company of California. (See Maker, Frank L., assignor.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Howard, Frank A., assignor.)
Standard Oil Development Company. (See Howard, F. A., and Haupt, assignors.)
Standard Oil Development Company. (See Matheson, George L., assignor.)
Standard Oil Development Company. (See McCullam, William G., assignor.)
Standard Oil Development Company. (See Winning, C., and Fulton, assignors.)
Standard Oil Development Company. (See Winning, C., and Holtzclaw, assignors.)
Standard Oil Development Company. (See Zimmer, J. C., and Morway, assignors.)
Standard Stoker Company, The. (See Davison, C. R., and Seibel, assignors.)
Standard Stoker Company. (See Myers, Guy M., assignors.)
Standard Stoker Company, The. (See Roesch, F. P., and Davison, assignors.)
Starr, Oscar L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Power transmission mechanism. 2,071,665; Feb. 23.
Steiner, Leo E., Milwaukee, Wis. Magnetic transfer device. 2,071,859; Feb. 23.
Stevens, Richard H., Baltimore, Md., assignor to Bethlehem Steel Company. Ingot mold. 2,071,906 Feb. 23.
Stevens, Stoddard. (See Weisberg, S. M., Chappell, Stringer, Stevens, and Trebler.)
Stoddard, Ralph N., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,071,860; Feb. 23.
Stopperless Water Bottle Co., The. (See Reach, Milton B., assignor.)
Stover, Murray A., Pasadena, Calif. Musical instrument pitch control accessory. 2,072,043; Feb. 23.
Stratford, Herbert R. (See Newcomb, E. R., and Stratford.)
Stratmore Company, The. (See Newcomb, E. R., and Stratford, assignors.)
Stringer, William E. (See Weisberg, S. M., Chappell, Stringer, Stevens and Trebler.)
Stroop, John, New York, N. Y., assignor to Pad-Y-Wax Company, Inc. Wax applicator and making the same 2,071,365; Feb. 23.
Strother, Robert H., Montclair, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 2,071,586; Feb. 23.
Sturtevant, B. F., Company. (See Bentley, Oliver D. H., assignor.)
Stüting, Heinrich, Witten-on-the-Ruhr, Germany. Roll stand unit for a continuous reducing mill. 2,071,712; Feb. 23.
Suckfield, George A., Avalon, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car brake. 2,071,587; Feb. 23.
Superior Knitting Mills. (See Sharps, Samuel, assignor.)
Svetlic, Matthew W. (See Williamson, M. A., and Svetlic.)
Swann Research, Inc. (See Jenkins, Russell L., assignor.)
Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C. Railway or other vehicles. 2,071,802; Feb. 23.
Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission mechanism. 2,071,589; Feb. 23.
Swennes, Benjamin A., and K. Miller, Rockford, said Swennes assignor to Borg-Warner Corporation, Chicago, Ill. Automatic clutch. 2,071,588; Feb. 23.
Sylvan, Joseph, Chicago, Ill. Sectional metallic building construction. 2,071,666; Feb. 23.

Sylvania Industrial Corporation. (See Morgan, Willard L., assignor.)
Symington-Gould Corporation, The. (See Kadel, B. W., and Barrows, assignors.)
Tamele, Miroslav W., and H. P. A. Groll, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Treatment of unsaturated halides. 2,072,015; Feb. 23.
Tamele, Miroslav W., Oakland, and H. P. A. Groll, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Production of allyl alcohol. 2,072,016; Feb. 23.
Tate, Christopher. (See Tate, Frank E. B., and C.)
Tate, E. H., Company. (See Tate, Frank E. B., and C., assignors.)
Tate, Frank E. B., and C. Tate, Malden, assignors to E. H. Tate Company, Boston, Mass. Wall hook and supporting card therefor. 2,071,957; Feb. 23.
Tattersall, Harold J., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Preparation of polymers in sheet or block form. 2,071,907; Feb. 23.
Teatini, Dario, Hougaerde, Belgium. Purification of sugar factory and refinery juices. 2,071,776; Feb. 23.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Spöttel, Adolf, assignor.)
Terrill, John B., Jr., assignor to The Western Union Telegraph Company, New York, N. Y. Terminal clip and distributing block. 2,071,713; Feb. 23.
Texas Company, The. (See Hendrey, Waldersee B., assignor.)
Thermo Brakes Corporation. (See Smith, George L., assignor.)
Thiele, Ernest W., and F. W. Scheineman, assignors to Standard Oil Company, Chicago, Ill. Extracting light mineral oil distillates with sulphur dioxide. 2,071,590; Feb. 23.
Tholin, Albert L., La Grange, Ill. Sewage treatment. 2,071,591; Feb. 23.
Thomas, Charles A., Wayne, assignor to The Sharples Corporation, Philadelphia, Pa. Production of alkyl substituted aryl hydrocarbons. 2,072,061; Feb. 23.
Thomas, Myron F., Chicago, Ill., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibitor for pickling and cleaning solutions. 2,071,989; Feb. 23.
Thompson, Albert R., San Jose, Calif., assignor to Pacific Machinery Company, San Francisco, Calif. Peach splitter. 2,071,667; Feb. 23.
Thompson Products, Incorporated. (See Hufferd, G. H., and Graham, assignors.)
Thompson, Richard, Los Angeles, Calif. Vehicle body. 2,071,592; Feb. 23.
Thormann, Wilhelm, Munich, Germany. Boot, especially for sport. 2,071,593; Feb. 23.
Thorp, Vaughn P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 2,071,476; Feb. 23.
Tiger, Howard L., assignor to The Permutit Company, New York, N. Y. Standardizing water for carbonated beverages. 2,071,990; Feb. 23.
Timken-Detroit Axle Company, The. (See Keese, Beverly W., assignor.)
Timken Roller Bearing Company, The. (See Hektner, Joel, assignor.)
Timken Roller Bearing Company, The. (See Kifer, Ward G., assignor.)
Toledo Scale Manufacturing Company. (See Hurt, Samuel H., assignor.)
Toledo Scale Manufacturing Company. (See Jerome, Alan J., assignor.)
Toledo Scale Manufacturing Company. (See Marshall, Charles O., assignor.)
Toledo Scale Manufacturing Company. (See Waltz, Foster V., assignor.)
Toledo Scale Manufacturing Company. (See Weckerly, Mark A., assignor.)
Toledo Scale Manufacturing Company. (See Williams, Lawrence S., assignor.)
Tomita, Rioe, Punnene, Maui, Hawaii. Self retaining closure for collapsible tubes. 2,071,867; Feb. 23.
Tomlin, John R., and A. Lundquist, New York, and A. J. Horton, White Plains, assignors to R. Hoe & Company, Inc., New York, N. Y., Irving Trust Company, permanent trustee. Web supply mechanism. 2,071,440; Feb. 23.
Touceda, Enrique G. (See Williams, H. A., and Touceda.)
Travers, Lewis C., and G. L. Morris, assignors to C. S. Greenwood, Gardner, Mass. Folding chair. 2,072,074; Feb. 23.
Travers, Lewis C., and G. L. Morris, assignors to Mahoney Chair Company, Gardner, Mass. Folding chair. 2,072,075; Feb. 23.
Trebler, Henning A. (See Weisberg, S. M., Chappell, Stringer, Stevens, and Trebler.)
Tremain, Ruth V. (See Henze, O. C. W., and Tremain, assignors.)
Trimbach, Clem G., Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Streamline mount for miniature bombs. 2,071,594; Feb. 23.
Trofimov, Lev A., Cleveland Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Arc dissipating device. 2,071,595; Feb. 23.
Trolley, Isaac. (See Bateman, F. H., and Trolley.)
Ungerer, Fritz, Pforzheim, Germany. Hot straightening of plates. 2,071,596; Feb. 23.
Union Carbide and Carbon Corporation. (See Bägley, G. D., and Erasmus, assignors.)
Union Carbide and Carbon Corporation. (See Franks, Russell, assignor.)
Union Carbide and Carbon Corporation. (See Pollitzer, Franz, assignor.)
Union Oil Company of California. (See Ragatz, Edward G., assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
United Kingdom Optical Company, Limited (1936). (See Culver, E., and Emerson, assignors.)
United Shoe Machinery Corporation. (See Bessom, Earl A., assignor.)
United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Russ, Harley W., assignor.)
United Shoe Machinery Corporation. (See Winnett, Thomas G., assignor.)
United States Rubber Products, Inc. (See Wikle, George F., assignor.)
United States Steel Corporation. (See Male, Milton, assignor.)
United States Steel Corporation. (See White, W. B., and Llewellyn, assignors.)
Universal Air Filter Corporation. (See Walker, Russell S., assignor.)
Universal Lubricating Systems, Inc. (See Johnson, William H., assignor.)
Utah Radio Products Company. (See Barrett, Edward L., assignor.)
Utah Radio Products Company. (See Barrett, E. L., and Brandstrom, assignors.)
Valley Camp Coal Company, The. (See Dartnell, William W., assignor.)
Van Bloem, Paul S., Great Neck, assignor to Viking Products Corporation, New York, N. Y. Illuminated indicating device. 2,071,777; Feb. 23.
Vanderbilt, R. T., Company, Incorporated. (See Alton, William H., assignor.)
Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Abrasive wheel. 2,072,051; Feb. 23.
Van Dyke, William A., Forest Grove, Oreg. Grain and seed separator. 2,071,908; Feb. 23.
Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,071,714; Feb. 23.
Varkas, Spiros S., New York, N. Y. Clutch mechanism. 2,071,991; Feb. 23.
Varren, Alexander, assignor to Adolf Nathan, Essen, Germany. Manifolding pattern sheet. 2,071,441; Feb. 23.
Vasselli, Anthony J., Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Stem for electron discharge devices. 2,071,597; Feb. 23.
Vaughan, William. (See Brown, A. E., and Vaughan.)
Vertrees, Herbert H. (See Rhodus, Lloyd, assignor.)
Victor Manufacturing & Gasket Company. (See Heinze, William A., assignor.)
Viking Products Corporation. (See Van Bloem, Paul S., assignor.)
Visser, Johannes. (See Dobben, P. W., and Visser.)
Vogt Manufacturing Corporation. (See Buchanan, James A., assignor.)
Voltarc Tubes, Inc. (See Pennybacker, Miles, assignor.)
Von Girsewald, Conway B., W. Stecke, and M. Wohlwill, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Producing fuming sulphuric acid having a high concentration. 2,071,598; Feb. 23.
Von Issendorff, Jürgen, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reversible conversion system. 2,071,805; Feb. 23.
Von Lüde, Kurt, Berlin, Germany. Recovery of moisture for use on lighter-than-air aircraft. 2,071,868; Feb. 23.
Von Mihaly, Dénes, Berlin-Wilmersdorf, assignor to the firm Julius Pintsch Aktiengesellschaft, Berlin, Germany. Apparatus for recording sound on or reproducing from an endless band of film. 2,071,477; Feb. 23.
W-K-M Company. (See Laurent, Milton P., assignor.)
Wachter, Lester. (See Anthony, W. C., and Wachter.)
Wadsworth, Frank L. O., East Liberty, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,071,668; Feb. 23.
Wadsworth, Frank L. O., East Liberty, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,071,669; Feb. 23.
Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
Walker, Russell S., assignor to Universal Air Filter Corporation, Duluth, Minn. Air filter for ventilating system or apparatus. 2,071,806; Feb. 23.
Walne, William R., Houston, Tex. Diesel drive for oil wells. 2,071,778; Feb. 23.
Waltz, Foster V., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,071,442; Feb. 23.
Wampler, Roy W. (See Arner, W. J., and Wampler.)

Warner Bros. Pictures, Inc. (See Jackman, Fred W., assignor.)
Warner, Faye, St. Joseph, Mich. Fish conveyer. 2,071,670; Feb. 23.
Watrous, Ward W., Jr., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Producing intermittent effects and system therefor. 2,071,958; Feb. 23.
Watt, Ellsworth, Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Fractional distillation. 2,071,909; Feb. 23.
Wayman, Albert J., Youngstown, assignor of one-half to E. H. McClure, East Palestine, Ohio. Clamp. 2,071,959; Feb. 23.
Weckerly, Mark A., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,071,443; Feb. 23.
Wefers, Martin, Union, N. J. Tester for internal combustion engines. 2,071,599; Feb. 23.
Weiland, Alfred, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation. Fabricated structure for air conditioning units. 2,071,366; Feb. 23.
Weisberg, Samuel M. (See Johnson, A. H., Weisberg, Johnson, and Parker.)
Weisberg, Samuel M., A. H. Johnson, Baltimore, Md., and M. E. Parker, Danville, Ill., assignors to Research Laboratories of National Dairy Products Corporation, Inc., Baltimore, Md. Treating lactic fluids. 2,071,367; Feb. 23.
Weisberg, Samuel M., Baltimore, Md., F. L. Chappell, W. E. Stringer, and S. Stevens, Hobart, N. Y., and H. A. Trebler, assignors to Seal Test System Laboratories, Inc., Baltimore, Md. Making lactate salts and lactic acid. 2,071,368; Feb. 23.
Welch, William H., Cuyahoga Falls, assignor to The Firestone Steel Products Company, Akron, Ohio. Electrode and making the same. 2,071,671; Feb. 23.
Wellekens, John F., New York, N. Y. Game device. 2,071,600; Feb. 23.
Wellington, Barrett R., Troy, N. Y. Range finder. 2,071,444; Feb. 23.
Western Union Telegraph Company, The. (See Mample, Adolph Z., assignor.)
Western Union Telegraph Company, The. (See Terrill, John B., Jr., assignor.)
Westinghouse Air Brake Company, The. (See Baughman, George W., assignor.)
Westinghouse Air Brake Company, The. (See Dempsey, Philip W., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Gnavi, Aldo, assignor.)
Westinghouse Air Brake Company, The. (See Hancock, Milton L., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company. (See Kusebauch, Anton E., assignor.)
Westinghouse Air Brake Company, The. (See Lloyd, David W., assignor.)
Westinghouse Air Brake Company, The. (See Williams, Samuel L., assignor.)
Westinghouse Electric Elevator Company. (See Bouton, E. M., and Saltzman, assignors.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric & Manufacturing Company. (See Barnsteiner, Alfons, assignor.)
Westinghouse Electric & Manufacturing Company. (See Eames, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Frank, Leo C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, O. S., and Dorfman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Jordan, Richard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kauders, Viliam, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lindstrom, Ture, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mylius, Walter G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Roy M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stoddard, Ralph N., assignor.)
Westinghouse Electric & Manufacturing Company. (See von Issendorff, Jurgen, assignor.)
Westinghouse Electric & Manufacturing Company. (See Watrous, Ward W. Jr., assignor.)
Westphal, Frederick A., assignor to Sheffield Steel Corporation, Kansas City, Mo. Rod and wire handling mechanism. 2,071,715; Feb. 23.
Wheland Company, The. (See Campbell, George E., assignor.)
Whitcomb, Preston, Kenmore, assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Variable delivery pump. 2,071,672; Feb. 23.
White, John I. (See Blackwell, F. S., and White.)
White, William B., Chicago, Ill., and F. T. Llewellyn, Newark, N. J., assignors to United States Steel Corporation, New York, N. Y. Pianoforte. 2,071,992; Feb. 23.
Whitlock, George E., assignor to The City Auto Stamping Company, Toledo, Ohio. Radiator front. 2,071,673; Feb. 23.
Whitlock, George E., assignor to The City Auto Stamping Company, Toledo, Ohio. Grille construction. 2,071,674; Feb. 23.
Whitlock, George E., assignor to The City Auto Stamping Company, Toledo, Ohio. Combined radiator shell and grille. 2,071,675; Feb. 23.
Whitmore, William B., Oak Park, assignor to Ditto, Incorporated, Chicago, Ill. Treating hectograph bands. 2,071,910; Feb. 23.
Whittaker, Frederick A., deceased, by S. J. Whittaker, of Attleboro, Mass., administratrix, assignor to Marathon Company, Attleboro, Mass. Lighter. 2,071,601; Feb. 23.
Whittaker, Sarah J., administratrix. (See Whittaker, Frederick A.)
Wick, Ross H., Woodhaven, N. Y. Hose coupling. 2,071,478; Feb. 23.
Widman, Charles H., Detroit, and A. E. Northrup, Pleasant Ridge, Mich. Vehicle body construction. 2,072,044; Feb. 23.
Wikle, George F., Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Apparatus for manufacturing tires. 2,071,716; Feb. 23.
Wilkins, Marion W., Brookline, Mass. Hand scouring device. 2,071,869; Feb. 23.
Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
Williams, Allison R., Chevy Chase, Md. Vehicle suspension mechanism. 2,071,480; Feb. 23.
Williams, Harry A., and E. G. Touceda, Albany, N. Y. Flash lamp. 2,071,369; Feb. 23.
Williams, Harry A., and E. G. Touceda, Albany, N. Y. Flash lighting device. 2,071,370; Feb. 23.
Williams, J. H., & Co. (See Kress, Willard C., assignor.)
Williams, Lawrence S., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Lens for indicating devices. 2,071,676; Feb. 23.
Williams, Samuel L., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,071,718; Feb. 23.
Williams, Thomas C. (See Shorter, S. A., Williams, and Locke.)
Williamson, Matilda A., and M. W. Svetlic, Pittsburgh, Pa. Game toy. 2,071,479; Feb. 23.
Willing, Mark S., Mount Holly, Va. Preventing soil erosion. 2,071,779; Feb. 23.
Wilmanns, Gustav. (See Hagedorn, M., Ossenbrunner, and Wilmanns.)
Wilson Fastener Company, The. (See Wilson, Frank E., assignor.)
Wilson, Frank E., East Cleveland, assignor to The Wilson Fastener Company, Cleveland, Ohio. Making fastener tape. 2,071,371; Feb. 23.
Wilson, Ralph W., assignor to Ralph W. Wilson Company, Inc., New York, N. Y. Shaker cap. 2,071,960; Feb. 23.
Wilson, Ralph W., Company. (See Wilson, Ralph W., assignor.)
Winkle, John R., Ridley Park, Pa. Fuel and air mixing device. 2,071,717; Feb. 23.
Winnett, Thomas G., Whitman, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 2,071,775; Feb. 23.
Winning, Carl, and S. C. Fulton, Elizabeth, N. J., assignors to Standard Oil Development Company. Dyed lubricating oil. 2,071,481; Feb. 23.
Winning, Carl, Elizabeth, and J. B. Holtzclaw, Roselle, N. J., assignors to Standard Oil Development Company. Antifreeze. 2,071,482; Feb. 23.
Winslow, Charles A., Oakland, Calif. Filter. 2,071,483; Feb. 23.
Winterhalter, Martin, Wuppertal, Wichlinghausen, Barmen, Germany. Making slide fasteners. 2,071,603; Feb. 23.
Wired Radio, Inc. (See Curtis, Richard C., assignor.)
Wired Radio, Inc. (See Hund, August, assignor.)
Wisneski, Stanley, Cloquet, Minn. Clothes hanger. 2,072,017; Feb. 23.
Wittmer, George G., Chappaqua, and M. H. Beakes, Larchmont, N. Y., assignors to American Cyanamid Company, New York, N. Y. Insect repellent and exterminator. 2,071,484; Feb. 23.
Wohlwill, Max. (See von Girsewald, C. B., Siecke, and Wohlwill.)
Wolf, Abraham, Brooklyn, assignor to Noma Electric Corporation, New York, N. Y. Electric lamp socket. 2,071,445; Feb. 23.
Wolff, Ivan, New York, N. Y., assignor to A. A. Johnson, Bridgeport, Conn. Kite. 2,071,807; Feb. 23.
Wolfram, Arthur, and K. Bonstedt, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the fluoridine series and preparing them. 2,071,372; Feb. 23.

Wolfram, Arthur, and K. Bonstedt, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing cellulose, cotton, or the like. 2,072,062; Feb. 23.
Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Hydraulically operated grinding machine. 2,071,677; Feb. 23.
Woodward Governor Company. (See Kalin, Albert, assignor.)
Worley & Co. (See Crilly, William P., assignor.)
Worrall, Roy R., Webster Groves, assignor to Alvey Conveyor Manufacturing Co., St. Louis, Mo. Conveyer and chain therefor. 2,071,485; Feb. 23.
Wright, Jesse C., Los Angeles, and J. H. Howard, Huntington Park, Calif. Well tool construction. 2,071,604; Feb. 23.
Wright, John P. (See Lewis, O. L., and Wright.)
Wright, John S., Wichita, Kans. Sanitary container. 2,071,486; Feb. 23.
Wurtele, Allan R., New Roads, La. Internal combustion engine. 2,071,719; Feb. 23.
Wurzbach, Hugh E., and C. H. Konold, Magna, Utah. Vibratory apparatus. 2,071,373; Feb. 23.
Wyss, Oswald F. (See Schmid, Alfred, assignor.)
Yellow Truck and Coach Manufacturing Company. (See Kelley, Oliver K., assignor.)
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,071,961; Feb. 23.
Young, Hugh E., Chicago, Ill. Electric control system. 2,071,446; Feb. 23.
Young, Hugh E., Chicago, Ill. Circuit breaker. 2,071,447; Feb. 23.
Young, Hugh E., Chicago, Ill. Auxiliary circuit. 2,071,911; Feb. 23.
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Zeh, Walter, Dessau in Anhalt, W. Gaedke, Hofheim in Taunus, M. Dabelow, Frankfort-Hochst, and W. Zerweck, Frankfort-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Sensitizing of photographic emulsions. 2,071,374; Feb. 23.
Zeh, Walter, Dessau in Anhalt, W. Gaedke, Hofheim in Taunus, M. Dabelow, Frankfort-on-the-Main-Hochst, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Trimethine cyanine dyes. 2,071,993; Feb. 23.
Zeh, Walter, Dessau, W. Kaedke, Hofheim in Taunus, M. Dabelow, Frankfort-on-the-Main-Hochst, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Thiazole trimethine cyanines. 2,071,994; Feb. 23.
Zennig, Johannes, and P. Becker, Berlin, Germany, assignors to Accounting and Tabulating Machine Corporation, New York, N. Y. Printing and counting sorter. 2,071,487; Feb. 23.
Zerweck, Werner. (See Zeh, W., Gaedke, Dabelow, and Zerweck.)
Zihler, Leon, Winnipeg, Manitoba, Canada. Cereal dehydration plant. 2,071,448; Feb. 23.
Zimmer, John C., Elizabeth, N. J., and A. J. Morway, Jackson Heights, N. Y., assignors to Standard Oil Development Company. Antifreeze lubricating grease. 2,071,488; Feb. 23.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Banding machine. H. R. Schutz. 20,277; Feb. 23.
Beauty appliance. E. Knauth. 20,276; Feb. 23.
Lumber, Gypsum. C. F. Davis. 20,275; Feb. 23.
Seal, Grease. J. R. Winter. 20,278; Feb. 23.

LIST OF DESIGN INVENTIONS

Air conditioner for vehicles or similar article, Roof mounted. R. F. Peo. 103,336; Feb. 23.
Air conditioner or similar article, Vehicle roof mounted. R. F. Peo. 103,337: Feb. 23.
Alphabet for forming monograms for wearing apparel or similar article. C. Emmey. 103,315; Feb. 23.
Bicycle. O. E. Stutsman and G. L. Becker. 103,351; Feb. 23.
Blind, Venetian. W. Wade and E. North. 103,354; Feb. 23.
Blouse. I. H. Bernstein and M. Pressiaff. 103,366; Feb. 23.
Bottle. J. H. Funkey. 103,316; Feb. 23.
Bottle. F. Neuschaefer. 103,360; Feb. 23.
Buckle. H. G. Whitehouse. 103,355; Feb. 23.
Cab for power shovels or similar devices, Enclosed. G. S. Lawson. 103,383; Feb. 23.
Cabinet or similar article, Phonograph. L. D. Norton and C. H. Andresen. 103,361; Feb. 23.
Carpet or similar article. G. V. Uihlein. 103,353; Feb. 23.
Case, Gear. H. C. Peterson. 103,338; Feb. 23.
Casing, Air conditioning control. E. J. Dillman. 103,309; Feb. 23.
Casing or similar article, Heater. P. Kilham. 103,326; Feb. 23.
Casing or similar article of manufacture, Display. E. A. Shank. 103,348; Feb. 23.
Chair. D. Powell. 103,340; Feb. 23.
Clock, Revolving. R. Magro. 103,334; Feb. 23.
Comb and hook, Combined. W. N. Brady. 103,302; Feb. 23.
Compass, Magnetic. W. E. Hull. 103,321; Feb. 23.
Container for fruit or similar article, Display. M. Cooper. 103,367; Feb. 23.
Container, Sanitary lavatory brush. A. Ilische. 103,358; Feb. 23.
Cover, Transmitter. C. A. Volf. 103,365; Feb. 23.
Drawer pull. A. F. Jones. 103,324; Feb. 23.
Dress. A. Guzy. 103,370–1; Feb. 23.
Dress. I. Kranz. 103,373; Feb. 23.
Dress. D. W. Price. 103,375; Feb. 23.
Dress. P. Schlessel. 103,380–2; Feb. 23.
Gilet. J. E. Grotta. 103,369; Feb. 23.
Handbag or similar article. S. R. Goldsmith. 103,317; Feb. 23.
Inkstand. F. M. Ashley. 103,296; Feb. 23.
Inkwell. K. Rettich. 103,341; Feb. 23.
Insulator, Trolley pole head-enclosing. W. A. Hamilton. 103,318; Feb. 23.
Ironing machine gear head. R. W. Janda. 103,322; Feb. 23.
Kit, Ski. F. N. Lewis. 103,359; Feb. 23.
Lace insert. A. Ruchman. 103,342–6; Feb. 23.
Lace insert. A. Ruchman. 103,362; Feb. 23.
Leather or similar article. F. A. Kolb. 103,327; Feb. 23.
Mill building. H. Janssen. 103,323; Feb. 23.
Ornament, Automobile hood. L. K. Franklin. 103,357; Feb. 23.
Ornament for a shoe or similar article. J. Kowal. 103,372; Feb. 23.
Panel board, Electric control. C. W. Sundberg and M. Ferar. 103,364; Feb. 23.
Picture viewer, Motion. W. C. Tichenor. 103,352; Feb. 23.
Pump and valve, Combined rotary. P. C. Petersen. 103,339; Feb. 23.
Refrigerator. R. Loewy. 103,332; Feb. 23.
Register. H. S. Covell. 103,308; Feb. 23.
Rug. L. Biva. 103,299–300; Feb. 23.
Screw. F. K. Brown. 103,304; Feb. 23.
Shaving device, Electric. L. V. Aronson. 103,294–5; Feb. 23.
Shoe. P. Borda. 103,301; Feb. 23.
Shoe. J. Levine. 103,331; Feb. 23.
Shoe. T. Samuels. 103,347; Feb. 23.
Shoe. D. J. Silver. 103,349; Feb. 23.
Shoe or similar article. N. Elkin. 103,311–14; Feb. 23.
Shoe or similar article. P. D. La Valle. 103,330; Feb. 23.
Slip. M. M. Goldstein. 103,368; Feb. 23.
Spectacle frame or similar article. K. S. Barrett. 103,297; Feb. 23.
Spoon or other article of flatware. E. J. Conroy. 103,307; Feb. 23.
Stand and article support, Combination fuel. C. H. Bergiund. 103,298; Feb. 23.
Stand, Display. J. Lomaistro. 103,333; Feb. 23.
Stand, Funnel. H. Cory. 103,307; Feb. 23.
Stand, Merchandise dispensing. J. Caplan. 103,305; Feb. 23.
Stove, Cooking. R. N. Hanson and S. Rasmussen. 103,319; Feb. 23.
Support, Electric lamp. E. Schwarz. 103,363; Feb. 23.
Support for use in embalming human bodies, Shoulder. A. O. Spriggs. 103,350; Feb. 23.
Table, Extension. C. H. Brandt. 103,303; Feb. 23.
Textile fabric. R. J. Krause. 103,328; Feb. 23.
Textile fabric C. Lang. 103,329; Feb. 23.
Textile fabric C. M. Peisner. 103,335; Feb. 23.
Textile fabric. L. Phillips. 103,374; Feb. 23.
Textile fabric. W. Ross. 103,376–7; Feb. 23.
Textile fabric. C. C. Ryan. 103,378; Feb. 23.
Textile fabric. R. Schey. 103,379; Feb. 23.
Textile fabric, Woven. J. L. Walther. 103,292; Feb. 23.
Tire. J. E. Allen and A. E. Benson. 103,293; Feb. 23.
Tool for ice cream cabinets, Defrosting. A. Hegenberger. 103,320; Feb. 23.
Transformer. G. McL. Cole. 103,356; Feb. 23.
Tray, Individual server serving. T. J. Durksen. 103,310; Feb. 23.
Vacuum cleaner and blower or similar article, Combined portable. T. G. Jonn. 103,325; Feb. 23.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF FEBRUARY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. E. R. Newcomb and H. R. Stratford. 2,071,563; Feb. 23.
Abrasive articles, Manufacturing. O. L. Mahlman. 2,071,549; Feb. 23.
Abrasive wheel. E. Van der Pyl. 2,072,051; Feb. 23.
Accounting machine. E. Breitling. 2,071,387–8; Feb. 23.
Acid and water-proofed articles and making same. G. Schneider. 2,071,436; Feb. 23.
Acid arylamides, Hydroxycarbazole carboxylic. F. Muth. 2,071,702; Feb. 23.
Acid compositions, Manufacture of. T. Cummings. 2,071,816; Feb. 23.
Acid gels, Silicic. E. S. Ridler. 2,071,987; Feb. 23.
Acid having a high concentration, Producing fuming sulphuric. C. B. von Girsewald, W. Siecke and M. Wohlwill. 2,071,598; Feb. 23.
Acids and producing same, Higher aromatic keto fatty. H. A. Bruson, J. D. Robinson, and O. Stein. 2,071,496; Feb. 23.
Acids, Purification of naphthenic. W. B. Hendrey. 2,072,053; Feb. 23.
Acids, Racemizing amino. R. S. Bley. 2,071,327; Feb. 23.
Adding and listing machine. L. P. Crosman. 2,071,501; Feb. 23.
Adjustable hot saw gauge. W. W. Hill. 2,071,692; Feb. 23.
Adjustable speed electric motor. L. E. Miller. 2,072,008 Feb. 23.
Adjusting device, Automatic. A. Moorhouse. 2,072,010; Feb. 23.
Aeroplane. H. Anathor-Henrikson. 2,071,744; Feb. 23.
Aeroplane construction. W. F. Crowe. 2,072,029; Feb. 23.
Aeroplane wing structure. A. S. Barkley. 2,071,317; Feb. 23.
Alarm system. B. F. Miessner. 2,071,933; Feb. 23.
Alcohol, Producing tetrahydrofurfuryl. W. Normann and H. Prückner. 2,071,704; Feb. 23.
Alcohol, Production of allyl. M. W. Tamele and H. P. A. Groll. 2,072,016; Feb. 23.
Alcohols, Manufacture of polyhydric. H. Dreyfus. 2,071,395; Feb. 23.
Alloys, Manufacturing iron. W. Rohn. 2,071,942; Feb. 23.
Alloys, Preparing beryllium. W. B. Donahue. 2,072,067; Feb. 23.
Amplifier arrangement for listening devices. F. A. Fischer. 2,071,739; Feb. 23.
Anchorage, Window cleaner's. G. F. Minnis, Jr. 2,072,041; Feb. 23.
Anhydride or acid, Recovery of phthalic. F. Porter. 2,071,357; Feb. 23.
Anhydride, Recovering phthalic. R. L. Brown. 2,071,329; Feb. 23.
Anode construction for discharge tubes having rotary anodes. G. B. Jonas. 2,071,696; Feb. 23.
Anti-freeze. C. Winning and J. B. Holtzclaw. 2,071,482; Feb. 23.
Anvil, Ledger plate. L. P. Boyer. 2,072,021; Feb. 23.
Apparatus for distributing or collecting articles. L. P. Shield. 2,071,770; Feb. 23.
Apparel. M. Caridis. 2,071,497; Feb. 23.
Applicator and making the same, Wax. J. Stroop. 2,071,365; Feb. 23.
Arc dissipating device. L. A. Trofimov. 2,071,595; Feb. 23.
Armor for football players and the like, Protective. F. W. Glahe. 2,071,827; Feb. 23.
Article of manufacture. W. L. Morgan. 2,071,558–9; Feb. 23.
Article to facilitate business accounting. W. O. W. Lee and M. O. Jones. 2,072,040; Feb. 23.
Ash tray. G. F. Douglas. 2,071,394; Feb. 23.
Automatic clutch. B. A. Swennes and K. Miller. 2,071,588; Feb. 23.
Automobile jack. H. J. Marlowe. 2,071,470; Feb. 23.
Automobile rocking device. R. Atti and D. J. Hayes. 2,072,019; Feb. 23.
Awl, Shoemaker's stitching. J. R. Ricketts. 2,071,901; Feb. 23.
Bag: *See*—
Garment storage bag.
Bag. W. E. Higginbottom. 2,071,745; Feb. 23.
Bag and container for heavy duty. W. W. Rowe. 2,071,362; Feb. 23.
Bag or the like, Water. M. B. Reach. 2,071,706; Feb. 23.
Ball and opener, Combined can. J. Nagele. 2,071,650; Feb. 23.
Bakepan. C. M. Moore. 2,071,892; Feb. 23.
Baking. J. F. Korda. 2,071,635; Feb 23
Barrel, Metal F. Gettelman. 2,071,621; Feb. 23.
Bathing device, Infant's. B. H. Kennedy. 2,072,038; Feb. 23.
Battery: *See*—
Storage battery.
Battery charge control for small power plants. L. C. Frank. 2,071,826; Feb. 23.
Battery tool, Combination. F. F. Pazzano. 2,071,897; Feb. 23.
Bearing: *See*—
Roller bearing.
Bed and divan, Combination. L. Blumenthal. 2,071,727; Feb. 23.
Beet pilling machine. H. L. Hartburg. 2,071,743; Feb. 23.
Beet topping machine. J. Fechtner. 2,071,738; Feb. 23.
Bellows. G. M. Quave. 2,071,986; Feb 23.
Bellows, Making. A. J. Schutt. 2,071,583; Feb. 23.
Blanc fixe and making same. J. B. Pierce, Jr. 2,071,938; Feb. 23.
Blind, Venetian. R. T. Hendricks. 2,071,791; Feb. 23.
Blocks of carbon dioxide ice, Apparatus for utilizing. H. Bürsitzký. 2,071,728; Feb. 23.
Boiler for central heating, Gas generating. J. Bellay. 2,071,678; Feb. 23.
Bolt, Toggle. F. A. Cossentine. 2,072,066; Feb. 23.
Book, Loose leaf. J. Schade. 2,071,767–8; Feb. 23.
Bookbinder construction. J. Schade. 2,071,766; Feb. 23.
Boot, especially for sport. W. Thormann. 2,071,593; Feb. 23.
Bottle. L. A. Leppke. 2,071,847; Feb. 23.
Bottle, Nonrefillable. J. D. Harris 2,071,877; Feb 23.
Bottle receptacle, Milk. A. G. Soldt. 2,071,956; Feb. 23.
Bow for stringed instruments. P. Nürnberger. 2,071,894; Feb. 23.
Box. S. Reich. 2,071,949; Feb. 23.
Boxes, particularly in large garages for motor vehicles, Arrangement for closing. J. Keller. 2,071,840; Feb. 23.
Brake: *See*—
Car brake. Electropneumatic brake.
Clasp brake. Fluid pressure brake.
Brake. H. G. Axtmann. 2,071,606; Feb. 23.
Brake. L. E. La Brie. 2,071,636; Feb. 23.
Brake. G. Napolitan. 2,071,420; Feb. 23.
Brake. G. P. Roberts. 2,071,658; Feb. 23.
Brake. F. L. O. Wadsworth. 2,071,668–9; Feb. 23.
Brake adjusting mechanism, Automatic. G. L. Smith. 2,072,014; Feb. 23.
Brake beam safety support. S. F. Prince. 2,071,568; Feb. 23.
Brake construction, Magnetic track. C. C. Farmer. 2,071,737; Feb. 23.
Brake cylinder protector. M. L. Hancock. 2,071,742; Feb. 23.
Brake for vehicles, Internally contracting disk. M. J. Gillett. 2,071,788; Feb. 23.
Brewer, Vacuum coffee. H. Cory. 2,071,919; Feb. 23.
Buckle. J. R. Reyburn. 2,071,940; Feb. 23.
Buckle. J. R. Reyburn. 2,071,951; Feb. 23.
Buckle for suspenders. A. R. Price. 2,071,427; Feb. 23.
Building construction. O. B. Lane. 2,071,349; Feb. 23.
Building construction. R. M. Nyhagen, Jr. 2,071,653; Feb. 23.
Building construction, Sectional metallic. J. Sylvan. 2,071,666; Feb. 23.
Burglar alarm switch. H. and M. E. Jackson. 2,071,343; Feb. 23.
Burner controls, Fluid fuel. W. S. Gordon, Jr. 2,071,876; Feb. 23.
Cable and applying same, Tension. J. F. Howe. 2,071,694; Feb. 23.
Calcium magnesium chloride, Treatment of. P. R. Martin. 2,071,417; Feb. 23.
Calculating apparatus for firing directors for shooting at moving aerial targets. K. Papello. 2,071,425; Feb. 23.
Can puncturing and closing means. P. Kmetko and A. Krcek. 2,072,002; Feb. 23.
Cans and the like, Apparatus for filling. F. L. Darling. 2,071,504; Feb. 23.
Cap for collapsible tubes, Self-closing. G. Lateur. 2,071,412–3; Feb. 23.
Cap, Shaker. R. W. Wilson. 2,071,960; Feb. 23.

Caps, Drawing fiber. J. M. Hothersall. 2,071,340; Feb. 23.
Car brake. G. A. Suckfield. 2,071,587; Feb. 23.
Car dumper. W. T. Dalton. 2,071,503; Feb. 23.
Car equipment, Safety. D. W. Lloyd. 2,071,751–3; Feb. 23.
Car, House. F. Ditchfield. 2,071,508; Feb. 23.
Carbon pack or container. H. Landsiedel. 2,071,981; Feb. 23.
Carton erecting machine. A. E. Brown and W. Vaughan. 2,072,065; Feb. 23.
Cathode, Thermionic. H. Heins. 2,071,522; Feb. 23.
Cellulose, cotton, or the like, Dyeing. A. Wolfram and K. Bonstedt. 2,072,062; Feb. 23.
Cementation, Process of. H. K. Ihrig. 2,071,533; Feb. 23.
Cementitious composition and making the same. L. T. Brownmiller. 2,071,681; Feb. 23.
Centralizing and controlling mechanism for car couplers. A. J. Bazeley. 2,071,491; Feb. 23.
Centrifugal pump. C. L. Frohnert. 2,072,033; Feb. 23.
Ceramic product and making, Low dielectric loss. W. Bloch. 2,071,452; Feb. 23.
Chair: *See*—
Comfort chair. Folding chair.
Chair back. W. H. Gunlocke. 2,071,974; Feb. 23.
Check, Door. G. Hammond. 2,071,690; Feb. 23.
Check, Door. A. J. and H. H. Schulz. 2,071,660; Feb. 23.
Chromium steel seamless tube. R. Franks 2,071,740; Feb. 23.
Chuck or tool holder L. Scruggs. 2,071,954; Feb. 23.
Cinchona bark alkaloid derivative. G. Lutz. 2,072,004; Feb. 23.
Cinematographic apparatus. M. R. Huc. 2,071,878; Feb. 23.
Cinematographic projector employing combined sound and picture films. A. L. V. C. Debrie. 2,071,782; Feb. 23.
Circuit, Auxiliary. H. E. Young. 2,071,911; Feb. 23.
Circuit breaker. O. S. Jennings and H. D. Dorfman. 2,071,837; Feb. 23.
Circuit breaker. T. Lindstrom. 2,071,848; Feb. 23.
Circuit breaker. H. E. Young. 2,071,447; Feb. 23.
Circuit, Voltage control. S. Minneci. 2,071,984; Feb. 23.
Circuits, Tunable selector. N. M. Rust. 2,071,902; Feb. 23.
Clamp. A. J. Wayman. 2,071,959; Feb. 23.
Clamp for electric arc furnace electrodes. W. H. Payne. 2,071,937; Feb. 23.
Clarifier. C. H. Coberly. 2,071,320; Feb. 23.
Clasp brake. W. H. Baselt. 2,071,963–4; Feb. 23.
Classifier. A. C. Daman. 2,071,617; Feb. 23.
Cleaner: *See*—
Vacuum cleaner.
Cleaner construction, Vacuum. K. Court. 2,071,614; Feb. 23.
Clip and distributing block, Terminal. J. B. Terrill, Jr. 2,071,713; Feb. 23.
Closure construction, Split-ring barrel. C. T. Draper and W. C. Grosser. 2,071,971; Feb. 23.
Closure, Container. T. McPhail. 2,071,700; Feb. 23.
Closure for collapsible tubes, Self retaining. R. Tomita. 2,071,867; Feb. 23.
Closure for containers. H. P. Cline. 2,072,026; Feb. 23.
Clothes hanger. S. Wisneski. 2,072,017; Feb. 23.
Clothespin. E. C. Behnke. 2,071,812; Feb. 23.
Clutch: *See*—
Automatic clutch. Vacuum power clutch.
Electromagnetic clutch.
Clutch and gear shift interlock. O. K. Kelley. 2,071,538; Feb. 23.
Clutch for rotary draw works. E. J. Roach. 2,071,579; Feb. 23.
Clutch mechanism. S. S. Varkas. 2,071,991; Feb. 23.
Clutch mechanism for combustion motors. A. Cohen. 2,071,613; Feb. 23.
Clutch structure. C. F. Rauen. 2,072,058; Feb. 23.
Coachwork for automobiles, All-metal. F. Accardi. 2,071,449; Feb. 23.
Coating especially for mirrors, Producing a completely insulating air and acidproof protective. H. Meder. 2,071,555; Feb. 23.
Coating process. A. H. Kelling. 2,071,841; Feb. 23.
Combination stop and check valve. A. J. Diescher. 2,071,969; Feb. 23.
Comfort chair. C. Sasse. 2,071,988; Feb. 23.
Compensator, Alternating-current. E. L. Harder. 2,071,833; Feb. 23.
Compensator for metering systems. E. L. Harder. 2,071,832; Feb. 23.
Compensator, Polyphase impedance drop. E. L. Harder. 2,071,834; Feb. 23.
Composition of matter. M. Engelmann. 2,071,875; Feb. 23.
Composition of matter for coating industry. C. Ellis. 2,072,069; Feb. 23.
Compositions for fireproofing. W. L. Morgan. 2,071,353; Feb. 23.
Compressor, Hydraulic. C. Daub. 2,072,045; Feb. 23.
Computing device. C. O. Marshall. 2,071,416; Feb. 23.
Computing machine. R. H. Strother. 2,071,586; Feb. 23.
Concrete building construction. A. Arnn. 2,071,378; Feb. 23.
Condensation product of cinchona bark alkaloid. G. Lutz. 2,072,003; Feb. 23.
Conduit for rectifying columns, Overflow. C. P. Hochgesand. 2,071,526; Feb. 23.
Connecter for taps, pipes, and the like. E. Aghnides. 2,071,780; Feb. 23.
Container: *See*—
Dispensing container. Sanitary container.
Egg holding container. Shipping container.
Flexible container. Vending container.
Freight container.
Noncorrosive lined container.
Container and hoop construction. S. Smith. 2,071,662; Feb. 23.
Container cover closing machine. C. T. Draper. 2,071,970; Feb. 23.
Containers, Apparatus for transferring movable. B. F. Fitch. 2,071,335; Feb. 23.
Control for friction transmission. J. Ehrlich. 2,071,785; Feb. 23.
Control mechanism. C. B. Kurtz. 2,071,348; Feb. 23.
Control mechanism for carburetors and the like. R. B. Hyde. 2,071,695; Feb. 23.
Control of highway crossing signals, Apparatus for the. E. M. Allen. 2,071,995; Feb. 23.
Control of highway crossing signals, Apparatus for the. H. S. Young. 2,071,961; Feb. 23.
Controlling device for mechanisms. J. Flaws, Jr. 2,071,941; Feb. 23.
Conversion system, Reversible. J. von Issendorff. 2,071,805; Feb. 23.
Conveyer and chain therefor. R. R. Worrall. 2,071,485; Feb. 23.
Conveyer, Fish. F. Warner. 2,071,670; Feb. 23.
Cooking appliance. A. Barnsteiner. 2,071,810; Feb. 23.
Cooling system. W. L. Dudley. 2,071,509; Feb. 23.
Core and making and using the same, Collapsible. W. H. Myers. 2,071,864; Feb. 23.
Core drill. J. F. Bozeman. 2,071,916; Feb. 23.
Core for molds, Friable. H. M. Kraner. 2,071,542; Feb. 23.
Correction device for dictating machines. T. H. Beard and J. M. Lucarelle. 2,072,064; Feb. 23.
Correction device for dictation machines. J. M. Lucarelle. 2,072,055; Feb. 23.
Cosmetic holder. R. N. Houlihan. 2,071,747; Feb. 23.
Coupling: *See*—
Hose coupling.
Coupling for a flywheel. E. A. Sigg. 2,071,475; Feb. 23.
Coupling mechanism. J. P. Anderson. 2,071,490; Feb. 23.
Cover: *See*—
Receptacle cover.
Cover fastener. S. Smith. 2,071,663; Feb. 23.
Crusher, Ice. W. A. Coventry. 2,071,730; Feb. 23.
Cushion, Spring. R. Klein. 2,071,540; Feb. 23.
Cutter: *See*—
Pipe cutter.
Deck having reenforced annular gas space, Floating. F. A. Howard and C. H. Haupt. 2,071,530; Feb. 23.
Defecators, Flushing. W. C. Groeniger. 2,071,790; Feb. 23.
Defects in cable sheaths, Locating. A. Z. Mample. 2,071,098; Feb. 23.
Device for twisting and shaping pretzels. C. Adler. 2,071,321; Feb. 13.
Die rolling, Method of and apparatus for. T. N. Sloan. 2,071,866; Feb. 23.
Digger, Vegetable. F. H. Bateman and I. Trolley. 2,071,325; Feb. 23.
Dispensing container. A. J. Chamberlain. 2,071,815; Feb. 23.
Dispensing device. W. H. Johnson. 2,071,407; Feb. 23.
Display package. L. S. Downey. 2,071,735; Feb. 23.
Distillation, Fractional. E. Watt. 2,071,909; Feb. 23.
Distributing and collecting articles, System and apparatus for. L. P. Shield. 2,071,771; Feb. 23.
Dobby heads, Attachment for. R. C. Edwards. 2,071,784; Feb. 23.
Door and brake interlock device. E. E. Hewitt. 2,071,754; Feb. 23.
Door latching mechanism. W. P. Crilly. 2,071,732; Feb. 23.
Door, Overhead acting. M. L. Cornell and M. I. Herold. 2,071,500; Feb. 23.
Doweling machine. C. Shaw and J. Best. 2,072,013; Feb. 23.
Draft diverter. R. L. Klar. 2,071,409; Feb. 23.
Draining rack. N. Hoffman. 2,071,944; Feb. 23.
Drawknife. P. V. Hayford. 2,071,691; Feb. 23.
Drawworks. G. E. Campbell. 2,072,024; Feb. 23.
Dredging apparatus. C. Sanders. 2,072,012; Feb. 23.
Drill: *See*—
Core drill.
Drinking glass protector. J. C. Gambell. 2,071,399; Feb. 23.
Drive for oil wells, Diesel. W. R. Waine. 2,071,778; Feb. 23.
Drive for outboard motors, Cushion reverse. F. T. Irgens. 2,071,634; Feb. 23.
Drive, Hydraulic. W. C. Anthony and L. Wachter. 2,071,605; Feb. 23.
Drum rolling device. J. D. McGlynn. 2,071,889; Feb. 23.

Dye process. S. U. Boehmer. 2,071,492; Feb. 23.
Dyes, Trimethine cyanine. W. Zeh, W. Gaedke, M. Dabelow, and W. Zerweck. 2,071,993; Feb. 23.
Dyestuffs of the fluoridine series and preparing them. A. Wolfram and K. Bonstedt. 2,071,372; Feb. 23.
Dynamo-electric machine. V. Kauders. 2,071,839; Feb. 23.
Egg holding container. F. Kronenberger. 2,071,545; Feb. 23.
Electric circuit interrupter. J. Biermanns. 2,071,965; Feb. 23.
Electric control system. H. E. Young. 2,071,446; Feb. 23.
Electric incandescent lamp. W. Honing and G. Oudemans. 2,071,979; Feb. 23.
Electric machine, Fly wheel type. T. Schou. 2,071,953; Feb. 23.
Electrical apparatus. R. N. Stoddard. 2,071,860; Feb. 23.
Electrical connecting device. O. A. Rieman. 2,072,042; Feb. 23.
Electrical discharge device. E. F. Lowry. 2,071,849; Feb. 23.
Electrode and electrical contact. J. McNeil. 2,071,645; Feb. 23.
Electrode and making the same. W. H. Welch. 2,071,671; Feb. 23.
Electrode thermionic tube, Multiple. R. M. Heintz. 2,071,630; Feb. 23.
Electromagnetic clutch. E. M. Fraser. 2,071,943; Feb. 23.
Electron discharge device. J. R. Balsley. 2,071,382; Feb. 23.
Electron discharge device. S. G. Frantz. 2,071,923; Feb. 23.
Electron discharge tube system. N. Minorsky. 2,071,759; Feb. 23.
Electron multiplying device. P. T. Farnsworth. 2,071,515; Feb. 23.
Electropneumatic brake. G. W. Baughman. 2,071,722; Feb. 23.
Electrostatic separation of mixed particles of different electrical behavior, Apparatus for the. G. Grave. 2,071,460; Feb. 23.
Elevator system. W. F. Eames. 2,071,820; Feb. 23.
Emulsions, Sensitized photographic silver halide. H. A. Piggott and E. H. Rodd. 2,071,898; Feb. 23.
Enameling. C. J. Rodman. 2,071,765; Feb. 23.
Engine: *See*—
Internal combustion engine. Rotary engine.
Engine cooling and car heating system and apparatus. H. Rose. 2,071,659; Feb. 23.
Enteric coating. F. R. Eldred. 2,071,511; Feb. 23.
Envelope. L. R. Snow. 2,071,439; Feb. 23.
Esters of cellulose, Manufacture of organic. C. Dreyfus and H. E. Martin. 2,071,333; Feb. 23.
Esters, Purifying polyglycerol. R. Furness. 2,071,459; Feb. 23.
Exhauster for sprinkler systems. W. B. Griffith and D. A. Keller. 2,071,789; Feb. 23.
Extension table. E. P. Charak. 2,071,729; Feb. 23.
Eyeglass construction. G. E. Nerney. 2,071,893; Feb. 23.
Eyes, Apparatus for testing. H. G. Martin. 2,072,056; Feb. 23.
Fabricated structure for air conditioning units. A. Welland. 2,071,366; Feb. 23.
Fabrics, Manufacture of pile. A. W. Drobile, G. S. Hiers, and W. R. Keen. 2,071,922; Feb. 23.
Fastener: *See*—
Cover fastener. Spring fastener.
Snap fastener.
Fastener. J. W. Dews. 2,071,505; Feb. 23.
Fasteners, Making slide. M. Winterhalter. 2,071,603; Feb. 23.
Fasteners to sheetlike material, Applying. J. W. Dews. 2,071,507; Feb. 23.
Fastening. F. H. Ellsworth and G. A. Gleason. 2,071,685; Feb. 23.
Faucet connection. B. H. Kennedy. 2,071,842; Feb. 23.
Ferro-alloys and of making alloy steels from such alloys, Making. B. F. Hardesty. 2,071,339; Feb. 23.
Fibers, Process and device for degumming ramie and other similar. D. S. Neill. 2,071,651; Feb. 23.
Fibrous material and making the same, Fabricated vegetable. G. H. Ellis. 2,071,822; Feb. 23.
Film. M. Hagedorn, A. Ossenbrunner, and G. Wilmanns. 2,071,462–3; Feb. 23.
Film apparatus, Sound. G. B. Scheibell. 2,071,952; Feb. 23.
Film plate, and emulsion, Sensitized photographic. H. A. Piggott and E. H. Rodd. 2,071,899; Feb. 23.
Films, Apparatus for printing lenticulated. K. Räntach. 2,071,764; Feb. 23.
Films, Rewinding devices for motion picture. R. S. Holloway. 2,071,527; Feb. 23.
Filter: *See*—
Grease filter. Oil filter.
Filter. P. Meura. 2,071,891; Feb. 23.
Filter and assembling the same, Oil. G. L. Matheson. 2,071,550; Feb. 23.
Filter for lubricating oil. F. A. Howard. 2,071,529; Feb. 23.
Filter for ventilating systems or apparatus, Air. R. S. Walker. 2,071,806; Feb. 23.
Filters. C. A. Winslow. 2,071,483; Feb. 23.
Finger for furnace conveyers. H. Klouman. 2,071,541; Feb. 23.
Fire hose reel, Housed. J. A. Craig and E. Davies. 2,071,731; Feb. 23.
Fireproofing composition. W. L. Morgan. 2,071,354; Feb. 23.
Firing table. C. R. Davison and E. F. Seibel. 2,072,052; Feb. 23.
Firing table. G. M. Myers. 2,072,006; Feb. 23.
Firing table. F. P. Roesch and C. R. Davison. 2,072,049; Feb. 23.
Fishing reel. J. V. Schafer. 2,071,474; Feb. 23.
Fitting of front fenders, lamps, and radiator upon a carriage body. G. Broulhiet. 2,071,328; Feb. 23.
Flakes and the like from plastic masses, Method and machine for producing. A. U. Särnmark. 2,071,434; Feb. 23.
Flame baffle and indicator for fusible cut-outs, Combined. L. J. Saudicoeur. 2,071,435; Feb. 23.
Flash lamp. H. A. Williams and E. G. Touceda. 2,071,369; Feb. 23.
Flashlight and headlight, Combination. Y. Miyaoka. 2,071,557; Feb. 23.
Flash lighting device. H. A. Williams and E. G. Touceda. 2,071,370; Feb. 23.
Flashing. L. Friedberg. 2,071,687; Feb. 23.
Flexible container. G. K. Gearlings. 2,071,927; Feb. 23.
Flow device. J. R. Long. 2,071,639; Feb. 23.
Fluid power transmission. W. C. Braden. 2,071,493; Feb. 23.
Fluid pressure brake. A. Gnavi. 2,071,741; Feb. 23.
Fluid pressure brake. E. E. Hewitt. 2,071,755; Feb. 23.
Fluid pressure regulator and flow control device. C. H. Cleveland. 2,071,871; Feb. 23.
Fluorescence producing substances soluble in hydrocarbon oils, Production of. H. Hartmann and H. Rabe. 2,071,521; Feb. 23.
Folding chair. L. C. Travers and G. L. Morris. 2,072,074–5; Feb. 23.
Food products, Preservation of packaged. L. W. Haas and J. W. Read. 2,071,625; Feb. 23.
Forehearth. H. E. McWane. 2,071,890; Feb. 23.
Form, Bread. W. Kowalski. 2,071,845; Feb. 23.
Fractionating method and apparatus. E. G. Regatz. 2,071,429; Feb. 23.
Frame and decorative corner connecter therefor, Glass picture. G. Rosenberg and L. Spiselman. 2,071,581; Feb. 23.
Freezing apparatus. J. Huber. 2,071,465; Feb. 23.
Freezing, mixing, and chopping machine. L. H. Kuhn and G. W. Hart. 2,071,410; Feb. 23.
Freight container. B. F. Fitch. 2,071,334; Feb. 23.
Frequency oscillation generator, Ultra high. P. J. H. A. Nordlohne. 2,071,423; Feb. 23.
Friction article and producing same. J. S. Fisher. 2,072,070; Feb. 23.
Fruit pitting machine. I. E. Sneva. 2,071,664; Feb. 23.
Fruits and vegetables, Coloring. J. J. R. Bristow. 2,072,022; Feb. 23.
Fuel and air mixing device. J. R. Winkle. 2,071,717; Feb. 23.
Fuel mixture control. S. F. Hunt. 2,071,633; Feb. 23.
Fuel pump. F. C. Mock. 2,071,800; Feb. 23.
Furnace conveyer. P. S. Menough. 2,071,556; Feb. 23.
Furnace for melting glass, Electric. J. Regenstreif and O. Sorge. 2,071,707; Feb. 23.
Fuse. I. Korn. 2,071,843; Feb. 23.
Fuse. M. L. Mathsen. 2,071,350; Feb. 23.
Game device. J. F. Wellekens. 2,071,600; Feb. 23.
Gardening implement, Wheeled. B. B. Downing. 2,072,031; Feb. 23.
Garment. D. W. Barmon. 2,072,020; Feb. 23.
Garment and belt means therefor. E. Regis and G. Esposito. 2,071,574; Feb. 23.
Garment construction and making the same. S. Sharps. 2,072,505; Feb. 23.
Garment protector. Le R. H. Rand. 2,071,569; Feb. 23.
Garment storage bag. E. A. Miller. 2,071,850; Feb. 23.
Gas mixtures, Separation of. F. Pollitzer. 2,071,763; Feb. 23.
Gas separator. A. L. Doherty. 2,071,393; Feb. 23.
Gaseous discharge device, Electric. V. J. Francis. 2,071,973; Feb. 23.
Gasifier for heating industrial appliances. J. W. Nelson. 2,071,421; Feb. 23.
Gasket, Laminated. G. T. Balfe. 2,071,322; Feb. 23.
Gasket, Pipe coupling. A. R. Kusebauch. 2,071,750; Feb. 23.
Gasoline dispensing apparatus. G. W. McDougall. 2,071,554; Feb. 23.
Gate and control system, Highway crossing. J. H. Fraser. 2,071,924; Feb. 23.
Gauge: *See*—
Adjustable hot saw gauge.
Gauge and locating device for torpedo tubes. H. E. Procter. 2,071,358; Feb. 23.
Gauge for shears, Back. R. T. Hazelton. 2,071,402; Feb. 23.
Gear: *See*—
Power reverse gear.
Gear for airplanes, Retractable landing. R. L. Lévy. 2,071,884; Feb. 23.

Gear shift, Automatic. D. C. Prince. 2,071,428; Feb. 23.
Generator: *See*—
Frequency oscillation generator. Oscillation generator.
Generator. A. Kalin. 2,071,536; Feb. 23.
Glass, Gauge. A. Lamesch. 2,071,411; Feb. 23.
Glass, Laminated safety. W. J. Arner and R. W. Wampler. 2,071,377; Feb. 23.
Governor for internal combustion engines, Centrifugal. G. Lunn. 2,071,641; Feb. 23.
Grain and seed separator. W. A. Van Dyke. 2,071,908; Feb. 23.
Grain size of steel, Determining. W. D. Brown and C. V. Foerster. 2,071,680; Feb. 23.
Grass cutting machine. D. H. Cockburn. 2,071,872; Feb. 23.
Grease, Antifreeze lubricating. J. C. Zimmer and A. J. Morway. 2,071,488; Feb. 23.
Grease filter. T. P. Kouvallis. 2,071,467; Feb. 23.
Grease retainer with washer and spacer, Armored. W. A. Heinze. 2,071,403; Feb. 23.
Grille construction. G. E. Whitlock. 2,071,674; Feb. 23.
Grinding machine. H. A. Kremer. 2,071,882; Feb. 23.
Grinding machine, Hydraulically operated. W. H. Wood. 2,071,677; Feb. 23.
Guard, Dust. C. C. Farmer. 2,071,736; Feb. 23.
Guard, Traffic. G. A. Gleason. 2,071,863; Feb. 23.
Guide arm for valve rods. J. F. Duncan. 2,071,823; Feb. 23.
Gun and plunger device adapted therefor, Powder. W. H. Rose. 2,071,580; Feb. 23.
Gun, Water-sand blast. C. Pletcher. 2,071,472; Feb. 23.
Hair waving device. W. S. Lewis. 2,071,886; Feb. 23.
Halides, Treatment of unsaturated. M. W. Tamele and H. P. A. Groll. 2,072,015; Feb. 23.
Halogen derivatives of α-ethyl propyl cresols. G. W. Raiziss and LeR. Clemence. 2,071,939; Feb. 23.
Hand scouring device. M. W. Wilkins. 2,071,869; Feb. 23.
Hanger: *See*—
Clothes hanger.
Harvester, Windrow. A. Korsmo and M. Ronning. 2,071,844; Feb. 23.
Heat transfer apparatus. W. C. Graham. 2,071,624; Feb. 23.
Heater: *See*—
Water heater.
Heater. J. E. Leonard. 2,072,048; Feb. 23.
Heating and cooling system. T. M. Rust and D. T. Craft. 2,071,801; Feb. 23.
Hectograph bands, Treating. W. B. Whitmore. 2,071,910; Feb. 23.
Heel-seat fitting machine. E. A. Bessom. 2,071,326; Feb. 23.
Heel turning machine, Wood. H. W. Russ. 2,071,433; Feb. 23.
High frequency apparatus. P. P. Musket and D. E. Richardson. 2,071,561; Feb. 23.
Hinge. L. T. Cooper. 2,072,028; Feb. 23.
Hoisting apparatus for replacing structural beams. W. C. and R. H. Guest. 2,071,461; Feb. 23.
Holder: *See*—
Chuck or tool holder. Key holder.
Cosmetic holder. Telephone holder.
Jar holder. Train order holder.
Holder and the like, Milk bottle. A. Chalifoux. 2,071,498; Feb. 23.
Hook and supporting card therefor, Wall. F. E. B. and C. Tate. 2,071,957; Feb. 23.
Hormones and their production, Acyl octahydro follicle. F. Hildebrandt. 2,071,803–4; Feb. 23.
Hose coupling. R. H. Wick. 2,071,478; Feb. 23.
Hot straightening of plates. F. Ungerer. 2,071,596; Feb. 23.
Hydrocarbons, Cracking. K. A. Beach. 2,071,723; Feb. 23.
Hydrocarbons, Production of alkyl substituted aryl. C. A. Thomas. 2,072,061; Feb. 23.
Hydrogen, Process and apparatus for producing. G. D. Bagley and H. W. B. deW. Erasmus. 2,071,721; Feb. 23.
Hydrometer, Electric. M. Björndal. 2,071,607; Feb. 23.
Ignition composition. A. Schmid. 2,071,710; Feb. 23.
Ignition system. D. W. Randolph and H. Rabezzana. 2,071,573; Feb. 23.
Illuminated indicating device. P. S. Van Bloem. 2,071,777; Feb. 23.
Illuminating device. L. R. Peters. 2,071,948; Feb. 23.
Illusory display device. M. T. Ashe. 2,072,018; Feb. 23.
Images, Producing photographic dyestuff. B. Caspar. 2,071,688; Feb. 23.
Indicator: *See*—
Temperature indicator.
Inertia operated device. J. J. Shively. 2,071,903; Feb. 23.
Ingot mold. R. H. Stevens. 2,071,906; Feb. 23.
Inhibitor for pickling and cleaning solutions. M. F. Thomas. 2,071,989; Feb. 23.
Intermittent effects and system therefor, Producing. W. W. Watrous, Jr. 2,071,958; Feb. 23.
Internal combustion engine. G. F. Noltein. 2,072,011; Feb. 23.
Internal combustion engine. A. R. Wurtele. 2,071,719; Feb. 23.
Ionic discharge tube. J. E. Henderson and B. C. Beck. 2,071,464; Feb. 23.
Iron metallurgy. F. A. Hartgen. 2,072,072–3; Feb. 23.
Ironing machine. J. J. McCabe. 2,071,888; Feb. 23.
Ironing machine. W. F. Oliver. 2,071,896; Feb. 23.
Jack: *See*—
Automobile jack.
Jar holder, Fruit. W. C. Fleck and C. F. Ayle. 2,071,518; Feb. 23.
Jetty structure. G. W. Rehfeld. 2,071,656; Feb. 23.
Joint: *See*—
Needle bearing joint. Rail joint.
Joint assembly and nailing strip. G. E. Shipway. 2,071,772; Feb. 23.
Juices, Purification of sugar factory and refinery. D. Teatini. 2,071,776; Feb. 23.
Key, Brake shoe. J. A. McGrew. 2,072,007; Feb. 23.
Keyboard, Practicing. C. Engel. 2,072,071; Feb. 23.
Key holder. B. E. Matthews. 2,071,757; Feb. 23.
Kite. I. Wolff. 2,071,807; Feb. 23.
Knee-locking device, Automatic. H. W. Sprouls. 2,071,711; Feb. 23.
Knife cutting mechanism for looms. J. Lowrie. 2,071,414; Feb. 23.
Knotter, Weaver's. F. W. Higgins and W. H. Goldsmith, Jr. 2,071,525; Feb. 23.
Lacquers and lacquer starting materials containing artificial resins, Production of. R. Hessen. 2,071,521; Feb. 23.
Lactic compounds, Making. A. H. Johnson, S. M. Weisberg, J. J. Johnson and M. E. Parker. 2,071,346; Feb. 23.
Lactic fluids, Treating. S. M. Weisberg, A. H. Johnson and M. E. Parker. 2,071,367; Feb. 23.
Ladder, Automatic leveling. C. E. Bowers. 2,071,608; Feb. 23.
Lagoon and ocean terminal, Sports. J. D. Harrison. 2,071,520; Feb. 23.
Laminted structure. R. F. Dickson. 2,071,921; Feb. 23.
Lamp: *See*—
Electric incandescent lamp. Flash lamp.
Lamp. T. Chanock. 2,071,612; Feb. 23.
Last. J. B. Hadaway. 2,071,400; Feb. 23.
Lath material, Insulating. E. D. Coddington. 2,071,454; Feb. 23.
Lathe. W. Ferris and G. H. Fobian. 2,071,786; Feb. 23.
Laying-out and printing device. J. B. Ennis. 2,071,458; Feb. 23.
Leather substitute and making the same. F. Harris. 2,071,626; Feb. 23.
Lens for indicating devices. L. S. Williams. 2,071,676; Feb. 23.
Lens, Multifocal. E. Culver and S. A. Emerson. 2,071,616; Feb. 23.
Letter sheet, Duplex. J. Giordano. 2,071,623; Feb. 23.
Lighter. F. A. Whittaker. 2,071,601; Feb. 23.
Lighter and control, Gas range. L. H. Geurink and W. A. Schulte. 2,072,034; Feb. 23.
Liquids from solids, Separation of. O. H. Buse. 2,071,998; Feb. 23.
Liquor, Apparatus for distilling spirituous. T. J. Hines. 2,071,693; Feb. 23.
Loading machine for mines. M. S. Moore. 2,072,009; Feb. 23.
Locking device for crane hooks. K. Clodfelter. 2,071,499; Feb. 23.
Locking mechanism. R. E. Smith. 2,071,585; Feb. 23.
Loudspeaker and like instrument. R. R. Glen. 2,071,829; Feb. 23.
Loudspeaker, sound reproducing instrument and the like. R. R. Glen. 2,071,828; Feb. 23.
Lubricant retainer for the supporting springs of vehicles. C. O. Ross. 2,071,854; Feb. 23.
Lubricating device. J. L. Creveling. 2,071,615; Feb. 23.
Lubricating system. O. D. H. Bentley. 2,071,913; Feb. 23.
Luminous discharge tube. M. Pennybacker. 2,071,426; Feb. 23.
Machine for coating printers' rollers. C. C. Bingham. 2,071,915; Feb. 23.
Machine for forming radiator strips. L. C. Shippy. 2,071,584; Feb. 23.
Machine for welding tubular articles. G. E. Mirfield. 2,071,760; Feb. 23.
Machine tool. J. R. Johnson. 2,071,980; Feb. 23.
Machines for seaming lids on cans. F. O. L. Chorlton. 2,071,683; Feb. 23.
Magnetic transfer device. L. E. Steiner. 2,071,859; Feb. 23.
Manifold material. J. Q. Sherman. 2,071,364; Feb. 23.
Mat. B. Nickle. 2,071,762; Feb. 23.
Material, Apparatus for spraying. C. P. Lamb and I. E. Schine. 2,071,846; Feb. 23.
Medicator, Toilet. C. Purrmann. 2,071,655; Feb. 23.

Metal naphthenate, Producing a. G. M. Fisher. 2,071,862; Feb. 23.
Meter: *See*—
Watt-hour meter.
Micrometer. C. F. Axelson. 2,071,315; Feb. 23.
Microscope. C. F. Jones. 2,071,408; Feb. 23.
Mirror, Rear view. W. La Hodny. 2,071,883; Feb. 23.
Mixer. A. T. Johns. 2,071,879; Feb. 23.
Moisture for use on lighter-than-air-aircraft, Recovery of. K. von Lüde. 2,071,868; Feb. 23.
Mold: *See*—
Ingot mold.
Mold for piston packing. P. W. Dempsey. 2,071,734; Feb. 23.
Molding press. A. M. Howald. 2,071,795; Feb. 23.
Mop. E. W. Burchell and G. A. Altenbern. 2,071,918; Feb. 23.
Motor: *See*—
Adjustable speed electric motor.
Rotary motor.
Motor compressor unit. E. W. Ballentine. 2,071,870; Feb. 23.
Motor device, Vibratory. E. L. Barrett. 2,071,384; Feb. 23.
Motorcycle driving mechanism, drive line, and braking mechanism. L. G. Nicholson. 2,071,761; Feb. 23.
Mount for miniature bombs, Streamline. C. G. Trimbach. 2,071,594; Feb. 23.
Mounting, Lens. C. J. Callahan. 2,071,331; Feb. 23.
Mounting, Venetian blind. R. T. Hendricks. 2,071,792; Feb. 23.
Mounting, Wheel. W. F. Dalton. 2,071,502; Feb. 23.
Muffler for internal combustion engines. A. J. McNamara. 2,071,351; Feb. 23.
Multipactor phase control. P. T. Farnsworth. 2,071,517; Feb. 23.
Multiple fuse plug. B. L. Moss and F. J. Landgraf. 2,071,934; Feb. 23.
Music, Apparatus for the production of. B. F. Miessner and C. T. Jacobs. 2,071,649; Feb. 23.
Musical instrument pitch control accessory. M. A. Stover. 2,072,043; Feb. 23.
Naphthalene, Catalytic oxidation of. D. A. Rogers and F. Porter. 2,071,361; Feb. 23.
Needle bearing joint. G. H. Hufferd and M. P. Graham. 2,071,341; Feb. 23.
Noncorrosive lined container. R. S. Rheem. 2,071,602; Feb. 23.
Nozzle and strainer, Spray. W. Czarnecki. 2,071,920; Feb. 23.
Nozzle for containers, Self-closing. G. Richardson. 2,071,657; Feb. 23.
Nut hulling machine. H. D. Randall and W. F. Johnston. 2,071,853; Feb. 23.
Odometer for railway vehicles. P. Paschen and G. Mohr. 2,071,654; Feb. 23.
Oil distillates with sulphur dioxide, Extracting light mineral. E. W. Thiele and F. W. Scheineman. 2,071,590; Feb. 23.
Oil, Distillation of. F. L. Maker. 2,071,643; Feb. 23.
Oil, Dyed lubricating. C. Winning and S. C. Fulton. 2,071,481; Feb. 23.
Oil filter. J. A. Baldwin. 2,071,996; Feb. 23.
Oiling device. R. L. Harter. 2,071,929; Feb. 23.
Oils against oxidation, Stabilizing fatty. W. F. Douglass. 2,071,457; Feb. 23.
Oils, Distilling. A. Knudsen. 2,072,039; Feb. 23.
Oscillation generator. P. T. Farnsworth. 2,071,516; Feb. 23.
Oscillator, Cyclic variable frequency. A. McL. Nicolson. 2,071,564; Feb. 23.
Oven, Portable baking. W. Horsman. 2,072,036; Feb. 23.
Overshoe, Fur trimmed. E. W. Dunbar. 2,071,783; Feb. 23.
Package. H. R. Segal. 2,071,856; Feb. 23.
Package and receptacle. F. J. Hines. 2,071,978; Feb. 23.
Packing. G. A. Finlayson. 2,071,825; Feb. 23.
Packing. F. E. Payne and A. J. Matter. 2,071,566; Feb. 23.
Pad support and holder for general use. J. Faberson. 2,071,514; Feb. 23.
Panel, Attachment for a nonfogging glazing. F. J. Bartuska and E. E. Bartuska. 2,071,811; Feb. 23.
Paper product, Multilaterally stretchable creped. W. C. Kemp. 2,071,347; Feb. 23.
Paper, Waterproofed. J. Reid. 2,071,360; Feb. 23.
Pattern sheets, Manifolding. A. Varren. 2,071,441; Feb. 23.
Pedestal sheave assembly. E. J. Roach. 2,071,578; Feb. 23.
Peeler, Banana. R. E. Leavens. 2,071,931; Feb. 23.
Pen, Interchangeable fountain marking. H. Celbaum. 2,071,985; Feb. 23.
Pencil, Selective magazine. W. Dürrler. 2,071,510; Feb. 23.
Perylene, Manufacture of. F. Kuhrmann, P. Nawiasky, and O. Grosskinsky. 2,071,468; Feb. 23.
Phonograph. W. F. Feyrer. 2,071,972; Feb. 23.
Phosphates and making same, Organic. S. L. Bass. 2,071,323; Feb. 23.
Photographic emulsions, Sensitizing of. W. Zeh, W. Gaedke, M. Dabelow, and W. Zerweck. 2,071,374; Feb. 23.
Photographic image bearer and making same. E. E. Eckardt. 2,071,821; Feb. 23.
Pianoforte. W. B. White and F. T. Llewellyn. 2,071,992; Feb. 23.
Pianoforte construction. M. Male. 2,072,005; Feb. 23.
Pickling apparatus. A. Dietzel. 2,071,818; Feb. 23.
Pickling inhibitor and process. E. K. Bolton. 2,071,966; Feb. 23.
Pigmented composition. R. L. Jenkins. 2,071,836; Feb. 23.
Pine and fir cones and the like, Method of and apparatus for cleaning. G. V. Öholm. 2,071,895; Feb. 23.
Pipe cutter, Quick adjusting. G. D. Manville. 2,071,756; Feb. 23.
Pipe flanging machine. F. H. Andrus. 2,071,314; Feb. 23.
Pipe rack. W. C. Hollis. 2,071,632; Feb. 23.
Piston expander inserter. G. J. Moeller. 2,071,648; Feb. 23.
Plant and bin arrangement for coal, Domestic screening. W. W. Dartnell. 2,071,456; Feb. 23.
Plant, Cereal dehydration. L. Zihler. 2,071,448; Feb. 23.
Planter, Corn. L. Rhodus. 2,071,708; Feb. 23.
Planter, Twin-row potato. F. H. Bateman and I. Trolley. 2,071,324; Feb. 23.
Plug: *See*—
Multiple fuse plug.
Spark plug.
Waste pipe trap plug.
Pocket routing machine. J. Gragg. 2,071,519; Feb. 23.
Polymerization. M. L. Macht. 2,071,932; Feb. 23.
Polymers in sheet or block form, Preparation of. H. J. Tattersall. 2,071,907; Feb. 23.
Portrait mount and compact for fashion anticipation, Illusion. O. C. W. Henze and R. V. Tremain. 2,071,338; Feb. 23.
Power feed for drilling machines. E. J. Kingsbury. 2,071,539; Feb. 23.
Power reverse gear. E. M. Shannon. 2,071,363; Feb. 23.
Power transmission mechanism. P. M. Salerni. 2,071,582; Feb. 23.
Power transmission mechanism. O. L. Starr. 2,071,665; Feb. 23.
Power transmission system. C. F. Rauen. 2,072,059; Feb. 23.
Power transmitting or receiving device, Mechanical. E. L. Barrett and F. Brandstrom. 2,071,383; Feb. 23.
Press: *See*—
Molding press.
Stenciling printing press.
Press for production of board-like products, Continuous. T. W. Dike. 2,071,999; Feb. 23.
Pressure compensation for packing. O. D. H. Bentley. 2,071,914; Feb. 23.
Primer for oil field service, Automatic suction. B. S. Nelson, H. E. Chambers, Jr., and J. G. Norton. 2,071,703; Feb. 23.
Printing adding machine. H. Kämmel. 2,071,880; Feb. 23.
Propeller for aircraft or the like. W. W. Everts. 2,071,513; Feb. 23.
Propeller shaft lubricating apparatus. H. A. Guthans. 2,072,001; Feb. 23.
Protector: *See*—
Brake cylinder protector.
Drinking glass protector.
Garment protector.
Pulverizer. E. G. Bailey, P. R. Cassidy, and R. M. Hardgrove. 2,071,379–80; Feb. 23.
Pulverizing unit. R. M. Hardgrove. 2,071,381; Feb. 23.
Pump: *See*—
Centrifugal pump.
Fuel pump.
Variable delivery pump.
Pumping unit. C. C. Searle. 2,071,437; Feb. 23.
Pyrophyllite, Manufacture of. W. H. Alton. 2,072,063; Feb. 23.
Rack: *See*—
Draining rack.
Pipe rack.
Racket, Badminton. J. B. Dickson. 2,071,684; Feb. 23.
Radiator cores, Testing. W. R. Kuhns. 2,071,546; Feb. 23.
Radiator front. G. E. Whitlock. 2,071,673; Feb. 23.
Radiator shell and grille, Combined. G. E. Whitlock. 2,071,675; Feb. 23.
Radio control device. A. Spüttel. 2,071,774; Feb. 23.
Radio receiver. W. A. Frantz and P. D. Kendall. 2,071,398; Feb. 23.
Radio receiver, Automatic. P. P. Estermyer, Sr. 2,072,046; Feb. 23.
Radio receiving system. R. M. Smith. 2,071,858; Feb. 23.
Rail joint. R. Farles. 2,071,397; Feb. 23.
Raincoat and pocketbook, Combined. W. T. Damron. 2,072,030; Feb. 23.
Range finder. B. R. Wellington. 2,071,444; Feb. 23.
Rayon spinning machine. H. W. Butterworth, Jr., and J. J. Sippel. 2,072,023; Feb. 23.
Reamer, Well. A. C. Catland. 2,071,611; Feb. 23.
Receptacle: *See*—
Bottle receptacle.
Receptacle cover. A. B. and P. J. Krause. 2,071,881; Feb. 23.
Reception system. R. C. Curtis. 2,071,733; Feb. 23.
Recording instrument. W. Büngner. 2,071,967; Feb. 23.
Rectifier tube. A. Hund. 2,071,748; Feb. 23.

Reeds, Making single beating. A. M. Larsen. 2,072,054; Feb. 23.
Reel: *See*—
Fire hose reel.
Fishing reel.
Reel for harvester, Pick-up. O. W. Hawn. 2,071,627; Feb. 23.
Refrigerating systems, Control for. G. Muffly. 2,071,935; Feb. 23.
Refrigeration. J. N. Lewis. 2,071,798; Feb. 23.
Relief valve. H. Allen. 2,071,375–6; Feb. 23.
Repellent and exterminator, Insect. G. G. Wittwer and M. H. Beakes. 2,071,484; Feb. 23.
Residue, waste, and the like, Process and apparatus for treating. L. Hermanns. 2,071,835; Feb. 23.
Resin compression mixtures, Preparation of artificial. R. Hessen. 2,071,523; Feb. 23.
Resinous products or compositions, and making same. C. Ellis. 2,072,068; Feb. 23.
Revolving grip tool. W. C. Kress. 2,071,543; Feb. 23.
Ring: *See*—
Sealing ring.
Rod and wire handling mechanism. F. A. Westphal. 2,071,715; Feb. 23.
Rod line hook-off and anchor. W. W. Foster. 2,071,787; Feb. 23.
Roll stand unit for a continuous reducing mill. H. Stüting. 2,071,712; Feb. 23.
Roller bearing. W. G. Kifer. 2,071,797; Feb. 23.
Roof for storage tanks, Floating. W. G. McCullam. 2,071,552–3; Feb. 23.
Rotary engine. R. Mabille. 2,071,799; Feb. 23.
Rotary motor. M. E. Hover. 2,071,528; Feb. 23.
Salts and lactic acid, Making lactate. S. M. Weisberg, F. L. Chappell, W. E. Stringer, S. Stevens, and H. A. Trebler. 2,071,368; Feb. 23.
Sand spreader. H. Brunner. 2,071,495; Feb. 23.
Sands and the like, Purification of silica. F. W. Adams. 2,071,720; Feb. 23.
Sanitary container. J. S. Wright. 2,071,486; Feb. 23.
Saw blade and its manufacture, Gin. R. H. Barnes and C. L. Radway. 2,071,861; Feb. 23.
Saw kerf, Saw-surfacing and cleaning a. A. M. Ferrari and G. M. Hoffman. 2,071,618; Feb. 23.
Scale, Letter. J. Kaplan. 2,072,037; Feb. 23.
Scale, Weighing. S. N. Hurt. 2,071,404; Feb. 23.
Scale, Weighing. M. A. Wackerly. 2,071,443; Feb. 23.
Scale, Weighing. F. V. Waltz. 2,071,442; Feb. 23.
Scraper. J. Nelson. 2,071,562; Feb. 23.
Screen: *See*—
Translucent projection screen.
Screen, Making a translucent picture projection. F. W. Jackman. 2,071,344; Feb. 23.
Sealing ring. A. E. Jesser. 2,071,535; Feb. 23.
Seat attachment for water closets. W. C. Groeniger. 2,071,337; Feb. 23.
Separator: *See*—
Gas separator.
Grain and seed separator.
Separator. O. Holm-Hansen and G. W. Ruscoe. 2,071,975; Feb. 23.
Sewage treatment. A. L. Tholin. 2,071,591; Feb. 23.
Shade, Window. R. Guyer. 2,071,830; Feb. 23.
Sharpener, Pencil. E. C. Meyer. 2,071,352; Feb. 23.
Shelf for bathroom cabinets, Auxiliary. R. H. Procter. 2,071,900; Feb. 23.
Shield, Cultivator. C. R. Machotka. 2,071,642; Feb. 23.
Shield for spark plugs, Radio. H. Rabezzana and A. J. Battey. 2,071,572; Feb. 23.
Shingle, Siding. F. P. Reynolds. 2,071,430; Feb. 23.
Ship construction. H. P. Frear. 2,071,925; Feb. 23.
Ship propulsion stability control. W. Schaelchlin. 2,071,855; Feb. 23.
Shipping container. O. M. Babcock. 2,071,962; Feb. 23.
Shock absorber. C. R. Hanna. 2,071,831; Feb. 23.
Shock absorber. O. L. Lewis and J. P. Wright. 2,071,885; Feb. 23.
Shock absorbing apparatus. J. G. Méjean. 2,071,701; Feb. 23.
Shoe, Gymnasium and outing. J. T. Riddell. 2,071,431; Feb. 23.
Shoe machine. K. Engel. 2,071,396; Feb. 23.
Shoes, Making. E. A. Bickford. 2,071,725; Feb. 23.
Shoes, Manufacture of. T. G. Winnett. 2,071,775; Feb. 23.
Signaling apparatus. L. E. Dierks and C. E. Severson. 2,071,873; Feb. 23.
Signal: *See*—
Traffic signal.
Signaling system. F. K. Low. 2,071,547; Feb. 23.
Slab, Floor. E. D. Coddington. 2,071,455; Feb. 23.
Slider for multiple fasteners, Self-locking. H. D. Kroll. 2,071,544; Feb. 23.
Slip. M. P. Laurent. 2,071,637; Feb. 23.
Slivers or ends of fibrous materials, Producing. S. A. Shorter, T. C. Williams, and J. Locke. 2,071,438; Feb. 23.
Snap fastener. H. J. Reiter. 2,071,576; Feb. 23.
Snare, Animal. J. G. Burns. 2,071,453; Feb. 23.
Socket, Electric lamp. H. C. Schlicker and A. Papini. 2,071,769; Feb. 23.
Socket, Electric lamp. A. Wolf. 2,071,445; Feb. 23.
Socket, Tube. T. Martin. 2,071,699; Feb. 23.
Soil erosion, Preventing. M. S. Willing. 2,071,779; Feb. 23.
Sorter, Printing and counting. J. Zennig and P. Becker. 2,071,487; Feb. 23.
Sound damping device for loud speakers. J. A. Hayenga and F. E. Brooks. 2,072,035; Feb. 23.
Sound on or reproducing from an endless band of film, Apparatus for recording. D. von Mihaly. 2,071,477; Feb. 23.
Sound reproducing system and apparatus. R. D. Aurandt. 2,071,316; Feb. 23.
Spark plug. A. E. Anderson. 2,071,450; Feb. 23.
Spark plug. O. C. Rohde. 2,071,432; Feb. 23.
Spark plug, Radio shield. H. Rabezzana and A. J. Battey. 2,071,572; Feb. 23.
Spark plug, Shielded mica. H. Rabezzana. 2,071,570; Feb. 23.
Spark plug, Two-piece center wire. H. Rabezzana, T. G. McDougal, J. T. Ford, and W. S. Kirk. 2,071,571; Feb. 23.
Splitter, Peach. A. R. Thompson. 2,071,667; Feb. 23.
Sponge, Shaped rubber. V. L. Miller. 2,071,647; Feb. 23.
Spout for cans. O. J. Lauterbach. 2,071,638; Feb. 23.
Spring fastener. H. J. Reiter. 2,071,575; Feb. 23.
Stairway, Moving. E. M. Bouton and G. C. Saltzman. 2,071,813; Feb. 23.
Stairway, Moving. J. Dunlop. 2,071,819; Feb. 23.
Stand. F. A. Malin and L. Domine. 2,071,887; Feb. 23.
Stem for electron discharge devices. A. J. Vasselli. 2,071,597; Feb. 23.
Stencil printing machine. C. F. Engert. 2,071,824; Feb. 23.
Stenciling printing press. F. S. Blackwell and J. I. White. 2,071,726; Feb. 23.
Storage battery. H. W. Lormor. 2,071,469; Feb. 23.
Strap construction, Textile. J. A. Buchanan. 2,071,319; Feb. 23.
Strip material, Apparatus for guiding and aligning. D. Buccicone. 2,071,682; Feb. 23.
Strip milling machine. W. J. Fiegel. 2,071,619; Feb. 23.
Striping or banding machine. A. and R. H. Johnson. 2,071,345; Feb. 23.
Suction cleaning apparatus. E. F. Martinet. 2,071,982; Feb. 23.
Sulphonamides, Preparing n-alkoxyalkyl aryl. B. C. Bren. 2,071,917; Feb. 23.
Sulphur dioxide, Producing. H. O. C. Ingraham. 2,071,534; Feb. 23.
Superregenerative receiver. J. L. Reinartz. 2,071,950; Feb. 23.
Support: *See*—
Brake beam safety support.
Suspension for tank trucks, Three-point. R. F. Buchholz. 2,071,330; Feb. 23.
Suspension of road-vehicles. W. S. Renwick and A. S. Enever. 2,071,577; Feb. 23.
Switch: *See*—
Burglar alarm switch.
Switch actuating device for electric welding machines. H. W. Roth. 2,071,473; Feb. 23.
Table: *See*—
Extension table.
Firing table.
Table for rolling mills, Catcher. C. E. Bowron and A. G. Delany. 2,071,609; Feb. 23.
Table or the like, Collapsible. C. Golden. 2,071,928; Feb. 23.
Tag, Locked license. C. L. Fortinberry. 2,072,000; Feb. 23.
Tags, Apparatus for and method of preventing unauthorized removal of vehicle. R. J. Schuyler and J. U. Shanklin. 2,071,661; Feb. 23.
Tanning process, Combination. G. R. Pensel. 2,071,567; Feb. 23.
Tape, Making fastener. F. E. Wilson. 2,071,371; Feb. 23.
Target, Apparatus for following a. K. Papello. 2,071,424; Feb. 23.
Tear-resistant product and producing same. G. K. Geerlings. 2,071,926; Feb. 23.
Teeing golf balls and device therefor. W. P. Pagett. 2,071,356; Feb. 23.
Telegraph system. V. P. Thorp. 2,071,476; Feb. 23.
Telephone holder. W. B. Chapman. 2,071,332; Feb. 23.
Temperature controlling system. T. F. Campbell. 2,072,025; Feb. 23.
Temperature distribution of hot bodies, Device for indicating the. P. Neubert. 2,071,471; Feb. 23.
Temperature indicator, Direct reading comfortable. W. Shurtleff. 2,071,904; Feb. 23.
Temperature regulation. P. M. Hulme. 2,071,531; Feb. 23.
Tester for internal combustion engines. M. Wefers. 2,071,599; Feb. 23.
Textile material, Treatment of. W. H. Moss. 2,071,419; Feb. 23.
Textile materials, Treatment of. E. B. Bell. 2,071,385; Feb. 23.
Thermostatic control for warm air furnaces. G. E. Muns. 2,071,560; Feb. 23.
Thiazole trimethine cyanines. W. Zeh, W. Gaedke, M. Dabelow, and W. Zerweck. 2,071,994; Feb. 23.
Time limit relay, Broad range. R. M. Smith. 2,071,857; Feb. 23.
Tip-wagon. I. Ingwarsson. 2,071,796; Feb. 23.

Tires, Apparatus for manufacturing. G. F. Wikle. 2,071,716; Feb. 23.
Tool: *See*—
Battery tool. Revolving grip tool.
Machine tool.
Tool construction, Well. J. C. Wright and J. H. Howard. 2,071,604; Feb. 23.
Tool for applying fasteners. J. W. Dews. 2,071,506; Feb. 23.
Tool for watchmakers, Combined crowding and staking. J. I. Hansen. 2,071,401; Feb. 23.
Tool retainer. G. M. Nell and A. C. Slatcher. 2,071,852; Feb. 23.
Toy derrick. T. A. Smith. 2,071,905; Feb. 23.
Toy, Game. M. A. Williamson and M. W. Svetlic. 2,071,479; Feb. 23.
Traffic signal. H. J. Smith. 2,071,955; Feb. 23.
Traffic signaling system. H. J. Brandenburger. 2,071,494; Feb. 23.
Trailer. H. J. Alvord. 2,071,489; Feb. 23.
Train describing and recording system. M. H. Loughridge. 2,071,640; Feb. 23.
Train order holder. L. W. Compton. 2,072,027; Feb. 23.
Translucent projection screen. F. W. Jackman. 2,071,342; Feb. 23.
Transmission. C. F. Rauen. 2,072,057; Feb. 23.
Transmission control mechanism for motor vehicles. G. T. Randol. 2,071,359; Feb. 23.
Transmission, Hydraulic. J. K. Douglas. 2,071,781; Feb. 23.
Transmission mechanism. B. A. Swennes. 2,071,589; Feb. 23.
Transmission of angular movements, Distant. E. Granat. 2,071,689; Feb. 23.
Tray, Cabinet-enclosed posting. D. E. Hunter. 2,071,930; Feb. 23.
Truck, Railway. B. W. Kadel and D. S. Barrows. 2,071,466; Feb. 23.
Truck, Railway car. J. Hektner. 2,071,793–4; Feb. 23.
Trunk, bed, and tent, Combination. J. A. McBrady. 2,071,644; Feb. 23.
Tube: *See*—
Chromium steel seamless tube. Ionic discharge tube.
Luminous discharge tube.
Electrode thermionic tube. Rectifier tube.
Tube or incandescent lamp, Electric discharge. P. W. Dobben and J. Visser. 2,071,874; Feb. 23.
Type and plates, Making rubber printing. L. Melind. 2,071,646; Feb. 23.
Umbrella. G. S. Berman. 2,071,724; Feb. 23.
Underframe. W. C. Hedgcock and R. B. Cottrell. 2,071,629; Feb. 23.
Utensil, Cooking. W. S. Bremer. 2,071,318; Feb. 23.
Utensil, Enamelware. H. Dean. 2,071,817; Feb. 23.
Utensil, Kitchen. G. M. Newlin. 2,071,422; Feb. 23.
Vacuum cleaner. R. H. Jordan. 2,071,838; Feb. 23.
Vacuum power clutch. J. H. K. and H. J. De N. McCollum. 2,071,983; Feb. 23.
Valve: *See*—
Combination stop and check valve. Relief valve.
Valve. E. C. Brisbane. 2,071,814; Feb. 23.
Valve. I. W. Knight. 2,071,749; Feb. 23.
Valve adjusting device. R. W. Manning. 2,071,415; Feb. 23.
Valve and cream separator for milk bottles, Combined cap. G. J. Overmyer. 2,071,565; Feb. 23.
Valve converting system, Electric. P. M. Currier. 2,071,968; Feb. 23.
Variable delivery pump. P. Whitcomb. 2,071,672; Feb. 23.
Variable load brake. S. L. Williams. 2,071,718; Feb. 23.
Vehicle, Automotive. B. W. Keese. 2,071,537; Feb. 23.
Vehicle body. A. E. Northup. 2,071,652; Feb. 23.
Vehicle body. R. Thompson. 2,071,592; Feb. 23.
Vehicle body construction. C. H. Widman and A. E. Northup. 2,072,044; Feb. 23.
Vehicle, Convertible. B. F. Fitch. 2,071,620; Feb. 23.
Vehicle for carrying demountable bodies. R. A. Norbom. 2,071,355; Feb. 23.
Vehicle lifting device, Movable. J. L. Barr. 2,071,451; Feb. 23.
Vehicle, Motor. C. E. Frederickson. 2,071,686; Feb. 23.
Vehicle, Motor. C. W. Van Ranst. 2,071,714; Feb. 23.
Vehicle suspension mechanism. A. R. Williams. 2,071,480; Feb. 23.
Vehicles, Railway or other. E. A. Sweeley and N. T. Anderson. 2,071,802; Feb. 23.
Vending container. M. E. Bretschger. 2,071,679; Feb. 23.
Vibratory apparatus. H. E. Wurzbach and C. H. Konold. 2,071,373; Feb. 23.
Voltolization, Apparatus for. G. L. Matheson. 2,071,551; Feb. 23.
Volumetric analysis apparatus. C. P. Larrabee. 2,071,697; Feb. 23.
Wall assembly, Building. R. V. Parsons. 2,071,865; Feb. 23.
Wall structure, Laminated culvert head. P. E. Hoak. 2,071,746; Feb. 23.
Washing and cleansing composition. C. Ellis. 2,071,512; Feb. 23.
Washing machine. G. M. Gibson. 2,071,622; Feb. 23.
Washing machine. J. B. Kirby. 2,072,047; Feb. 23.
Waste pipe trap plug. M. J. Hyman. 2,071,532; Feb. 23.
Water for carbonated beverages, Standardizing. H. L. Tiger. 2,071,990; Feb. 23.
Water heater. B. L. Elam. 2,072,032; Feb. 23.
Waterproofing structures, Method of. J. McKay. 2,071,758; Feb. 23.
Water purifying and cooling system. W. R. Hildebrand. 2,071,631; Feb. 23.
Water softening apparatus. F. N. Bard. 2,071,997; Feb. 23.
Watt-hour meter. W. C. Mylius. 2,071,936; Feb. 23.
Web supply mechanism. J. R. Tomlin, A. Lundquist, and A. J. Horton. 2,071,440; Feb. 23.
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Labels	37
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Patents Granted	42
Designs	166

February 2, 1937

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Reissues	2—No.	20,259 to No.	20,260, inclusive.
Plant Patents	2—No.	231 to No.	232, inclusive.
Patents	543—No.	2,069,194 to No.	2,069,736, inclusive.
Designs	113—No.	102,978 to No.	103,090, inclusive.
Total	1,003		

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Trade-Marks—Registration—Class 47—Wines, and Class 49—Distilled Alcoholic Liquors

In view of the provisions of the Federal Alcohol Administration Act, which became effective August 15, 1936, it is required that there be furnished in every application for the registration of a mark applied to goods falling in Class 47, or in Class 49, a photographic or photostat copy of the certificate of label approval issued by the Federal Alcohol Administration.

CONWAY P. COE,
Commissioner.

Notice of Cancellation

U. S. Patent Office, *Washington, Jan. 9, 1937.*

Acme Products Limited, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by J. C. Eno (U. S.) Limited, Belmont Building, Madison Avenue at 34th Street, New York, N. Y., to effect the cancellation of trade-mark registrations of Acme Products Limited, 6533 East Jefferson Street, Detroit, Mich., and Winnipeg, Canada, No. 248,117, dated October 16, 1928, and No. 249,926, dated November 27, 1928, and the notice of such proceeding sent by registered mail to the said Acme Products Limited at the said addresses having been returned by the post office undeliverable, notice is hereby given that unless said Acme Products Limited, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

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Hereby enters this disclaimer to claims 1, 4, 7, 8, 9, and 11 in said Letters Patent.

1,976,523.—*William K. Sonnemann*, Dallas, Tex. Synchronizing System. Patent dated October 9, 1934. Disclaimer filed January 8, 1937, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 3 and 4 of the patent specification.

388720

210—	131:	2,071,550	221—	60:	2,071,657	240—	81:	2,071,612	252—	8:	2,071,720
		2,071,996			2,071,867	241—	12:	2,071,427	254—	126:	2,071,470
	132:	2,071,529			2,072,026	242—	57:	2,071,527		187:	2,071,579
	149:	2,071,998		62:	2,071,960		58:	2,071,440		195:	2,071,578
	165:	2,071,483		69:	2,071,944		84.1:	2,071,474	255—	19:	2,071,778
	188:	2,071,891		95:	2,071,554		128:	2,071,715			2,072,024
211—	60:	2,071,632	223—	104:	2,071,901	244—	13:	2,072,029		61:	2,071,604
	153:	2,071,900	226—	71:	2,071,504		23:	2,071,744		72:	2,071,916
212—	66:	2,071,905	228—	29:	2,071,608		102:	2,071,884		73:	2,071,611
213—	17:	2,071,491	229—	5.5:	2,071,662		123:	2,071,317	256—	13.1:	2,071,863
214—	38:	2,071,335		5.7:	2,071,663		153:	2,071,807	257—	106:	2,071,624
	98:	2,071,503		23:	2,071,962	246—	107:	2,071,640	258—	2:	2,072,027
215—	1:	2,071,847		31:	2,071,949		126:	2,071,961	259—	72:	2,071,373
	24:	2,071,877		46:	2,071,610		128:	2,071,924		101:	2,071,622
217—	26.5:	2,071,545		55:	2,071,362		130:	2,071,995		110:	2,071,410
218—	6:	2,071,506			2,071,927	247—	2:	2,071,936		113:	2,071,879
	29:	2,071,507		62:	2,071,745	248—	47:	2,071,887	260—	2:	2,071,932
219—	4:	2,071,418		85:	2,071,439	249—	63:	2,071,443		8:	2,072,068
		2,071,473		87:	2,071,976	250—	14:	2,071,398		11:	2,071,862
	6:	2,071,760		92.1:	2,071,623		17:	2,071,423		29:	2,071,372
	35:	2,071,810	230—	58:	2,071,870		20:	2,071,733		44:	2,071,993
	40:	2,072,032		91:	2,072,045			2,071,858			2,071,994
220—	1.5:	2,071,334	232—	42:	2,071,498			2,071,950		46:	2,071,702
	10:	2,071,621			2,071,956		24:	2,071,773		54:	2,071,704
	26:	2,071,530	234—	1:	2,072,055		27:	2,071,382	99.20:		2,071,323
		2,071,552			2,072,064			2,071,517		102:	2,071,333
		2,071,553		1.5:	2,071,967		27.5:	2,071,522		103:	2,071,804
	36:	2,071,486	235—	7:	2,071,388			2,071,597		106:	2,071,803
	43:	2,071,650		59:	2,071,586			2,071,630		108:	2,071,327
	44:	2,071,881			2,071,880			2,071,748			2,071,496
	51:	2,072,002		61.5:	2,071,424			2,071,849			2,072,053
	61:	2,071,535			2,071,425			2,071,874		112:	2,071,368
		2,071,971		91:	2,071,487		34:	2,071,912		122:	2,071,346
	63:	2,071,602		95:	2,071,654		35:	2,071,696		123:	2,071,329
221—	6:	2,071,700		144:	2,071,407		36:	2,071,516			2,071,357
	11:	2,071,815	236—	9:	2,072,025			2,071,564			2,071,361
	23:	2,071,638		16:	2,071,560			2,071,958		128:	2,071,917
		2,071,679	237—	48:	2,071,801		40:	2,071,774		154:	2,071,939
	47.3:	2,071,615	238—	244:	2,071,397	251—	34:	2,071,876		156:	2,072,015
	60:	2,071,412	240—	2.1:	2,071,777		97:	2,071,814			2,072,016
		2,071,413		10.6:	2,071,557	252—	5:	2,071,482		156.5:	2,071,395

260—	168:	2,071,468	286—	6:	2,071,736
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261—	11:	2,071,509		31:	2,071,825
	51:	2,071,717	287—	90:	2,071,341
	114:	2,071,526	288—	1:	R. 20,278
263—	8:	2,071,541			2,071,322
		2,071,556			2,071,403
265—	5:	2,071,406	289—	3:	2,071,525
		2,071,705	290—	30:	2,071,826
	29:	2,071,416	292—	48:	2,071,585
	49:	2,071,442		340:	2,071,732
	59:	2,071,404	293—	54:	2,071,673
	63:	2,072,037			2,071,674
266—	7:	2,071,818			2,071,675
	40:	2,071,890	294—	82:	2,071,499
267—	19:	2,071,577	295—	36:	2,071,946
	49:	2,071,854	296—	23:	2,071,489
	66:	2,071,714		28:	2,071,449
271—	2.6:	2,071,682	298—	18:	2,071,796
273—	33:	2,071,356	299—	78:	2,071,731
	73:	2,071,684		120:	2,071,920
	104:	2,071,479	303—	1:	2,071,742
	121:	2,071,600		6.1:	2,071,752
274—	17:	2,071,972			2,071,753
275—	14:	2,071,495			2,071,754
279—	52:	2,071,954			2,071,755
280—	5:	2,071,330		20:	2,071,722
	49:	2,071,889		22:	2,071,718
	96.3:	2,071,686		54:	2,071,751
	106:	2,072,044		60:	2,071,741
	124:	2,071,480	306—	4:	2,071,838
	150:	2,071,451		11:	2,071,614
		2,071,903	308—	36.2:	2,072,001
	152:	2,071,328		180:	2,071,945
281—	25:	2,071,766			2,071,947
282—	12:	2,071,364		214:	2,071,628
283—	1:	2,072,040			2,071,797
285—	69:	2,071,750	311—	75:	2,071,729
	84:	2,071,478		78:	2,071,928
	90:	2,071,780			
		2,071,842			

U. S. GOVERNMENT PRINTING OFFICE 1937

THE

OFFICIAL GAZETTE

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United States Patent Office

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383720

Condition of Applications Under Examination at Close of Business January 16, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 35,994; Trade-Mark Division, 1,803. Oldest new case, July 8, 1936; oldest amended, July 8, 1936.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 7	Nov. 6	335
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Aug. 20	Aug. 26	1,022
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 21	Oct. 30	455
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Sept. 17	Sept. 17	595
3077	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Oct. 12	Oct. 10	425
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Sept. 9	Sept. 14	734
5725	7. JARBOE, C. G., Optics; Photography	Oct. 18	Oct. 19	789
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 12	Oct. 8	438
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 22	Oct. 24	386
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Oct. 16	Oct. 18	369
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 12	Oct. 22	399
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Oct. 20	Oct. 20	349
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 4	Nov. 4	450
5097	14. SMITH, G. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Oct. 3	Oct. 2	560
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 18	Oct. 18	880
5612	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 30	Sept. 30	698
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 21	Oct. 19	571
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 22	Sept. 21	467
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 25	Sept. 16	665
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 21	Sept. 18	453
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 16	Oct. 16	624
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 22	Oct. 22	579
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	July 8	July 8	501
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 19	Oct. 20	585
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 14	Oct. 15	574
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 26	Oct. 28	321
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Aug. 17	Aug. 17	812
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Oct. 17	Oct. 6	323
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Oct. 17	Oct. 17	505
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 22	Sept. 18	673
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 19	Oct. 23	471
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation, Agitating.	Oct. 21	Oct. 21	457
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 28	Sept. 29	718
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 17	Oct. 20	321
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 19	Oct. 6	626
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 17	Oct. 19	270
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 5	Sept. 30	594
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 17	Oct. 22	376
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 16	Nov. 16	311
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 16	Sept. 16	1,080
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Sept. 5	Sept. 17	538
5882	42. CUTTING, H. O., Electric Signaling	Oct. 7	Oct. 9	415
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Oct. 16	Oct. 16	595
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Sept. 29	Sept. 26	637
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 15	Oct. 13	322
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 29	Oct. 1	558
7600	47. BARKER, H., Clutches; Brakes	Oct. 22	Oct. 16	485
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Oct. 16	Oct. 17	521
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 6	Nov. 9	378
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Oct. 16	Oct. 16	500
5628	51. BACKUS, C. D., Radiant Energy	Oct. 16	Oct. 16	717
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 24	Oct. 28	633
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 16	Sept. 16	949
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Oct. 23	Oct. 28	301
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 10	Sept. 10	689
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Oct. 16	Oct. 16	926
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Sept. 15	Oct. 19	459
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 14	Oct. 22	275
4709	59. Shepard, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Oct. 12	Oct. 22	410
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Sept. 16	Sept. 17	602
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 29	Oct. 7	215
3876	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 17	Oct. 12	437
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting; and Fermentation	Oct. 10	Oct. 10	473
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Oct. 17	Oct. 19	767
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 13	Aug. 8	790
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	Dec. 11	Dec. 28	1,532
	(Labels and Prints	Dec. 16	Jan. 2	271
2605	Designs, H. H. KALUPY	Dec. 14	Jan. 4	621

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE GAUERKE

No. 3,674. Decided November 30, 1936

PATENTABILITY—RESIN—DISCOVERY OF NEW PROPERTY OF CONSTITUENT.

Claims for a resin including sunflower seed oil acids and claims for the process of producing such resin *Held* unpatentable since the mere discovery that sunflower seed oil has the quality of preventing yellowing, a quality not possessed by other vegetable drying oils, cannot be made the basis of a patent where the "prior art shows that such oil is of the kind and class that such art taught was useful in the composition of resins of the character here involved."

APPEAL from the Patent Office. Affirmed.

Mr. Ralph F. Miller for Gauerke.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting all of the claims, numbered 1 to 14, inclusive, of appellant's application; the ground of rejection was the lack of patentability of the claims over the cited prior art.

Nine of the claims are product claims, the remainder being process claims. Claims 1 and 7 are illustrative of the claims and read as follows:

1. An oil modified polyhydric alcohol-polybasic acid resin comprising a polyhydric alcohol ester of an organic polybasic acid and sunflower seed oil acids.

7. A process which comprises heating a polyhydric alcohol, an organic polybasic acid and sunflower seed oil acids until resinification takes place.

The references cited are: Arsem, 1,098,776, June 2, 1914; Weber, 1,690,515, November 6, 1928; Kienle, 1,893,873, January 10, 1933; Kienle et al., "Alkyd Resins as Film-Forming Materials," Journal of Industrial and Engineering Chemistry, April, 1929, pp. 349–352.

Appellant's claimed invention is concisely described by his counsel in the brief as follows:

The invention, which relates to improvements in a known type of synthetic resin, is effected by chemically modifying such resin with a specific vegetable or fatty oil instead of the fatty oils heretofore used as modifying agents for this type of resin. * * *

As will be observed from the claims, the specific vegetable oil involved is sunflower seed oil.

The reference Arsem relates to resinous condensation products and process of making the same. It discloses the formation of resins from polyhydric alcohol and polybasic acid. As modifying ingredients there are disclosed, among others, stearic, palmitic, oleic acids, and mixtures of acids.

The reference Weber relates to a composition of matter containing a cellulose derivative. It discloses resins prepared from drying or semi-drying oils and their fatty acids, an organic acid other than the fatty acids from oils, and a polyhydric alcohol. Among the oils mentioned are soya bean, linseed, cocoanut, China wood, rapeseed, and corn.

The patent to Kienle relates to resinous condensation products and process of making them. It relates to resins of the polyhydric alcohol and polybasic acid type, and involves the use of an acid derived from a drying oil. Mentioned are China wood, linseed, or perilla oils, and oleostearic, linolic, or linolenic acids.

The article by Kienle et al. relates to alkyd resins which "include all those complexes resulting primarily from the inter-reaction of a polyhydric alcohol and polybasic acid." The article discloses that oxygen-convertible resins

* * * are prepared by replacing part of the polybasic acid with the necessary amount of an oxidizable, unsaturated, fatty acid or acids—for example, linoleic, linolenic, oleostearic acid, or, what is more economical, with the mixed fatty acids of *any one of the drying oils.* [Italics ours.]

The Examiner, in rejecting the claims, held that the prior art showed the use of various specified drying oils, other than sunflower seed oil. With regard to the claimed superiority of appellant's product, that it has greater resistance to "after yellowing," the Examiner held that differences were to be expected between the product resulting from the use of any one oil of the class shown in the prior art and the product resulting from the use of any other of such oils. He finally held that the use of a class of oils for the purpose was shown by the prior art, that appellant had merely used an oil of the same class, and that what he had done did not constitute invention.

Prior to consideration of the matter by the Board of Appeals, appellant filed, under rule 76 of the Patent Office, an affidavit by one James K. Hunt, being in effect a challenge of some of the statements made by the Examiner. The case was remanded to the Examiner, who held that said affidavit did not "have any particular pertinence to the rejection * * *." After limiting one statement in his former decision, not important here, the Examiner concluded with the following: "The other averments may be conceded without altering the grounds of rejection previously given."

Upon appeal, the Board of Appeals affirmed the holding of the Examiner, upon the grounds given by him, concluding as follows:

Sunflower seed oil and its properties are well known. We are persuaded that it did not require the exercise of the inventive faculty, in view of the teachings of the prior art references, to select this particular drying oil as a modifying agent of an alkyd resin. We are not satisfied that the alleged new result is anything more than a change in degree.

In appellant's brief, under the heading *The Issue*, we find the following:

* * * For the present purpose the statement of facts simply need be that the vegetable oils have been used in modifying the properties of the resins, and that the drying oils have been used when an air drying resin is wanted, and that appellant's invention consists in using a specific vegetable oil, sunflower seed oil, in making such resins whereby he obtains:

1. *Resins which are substantially free from after-yellowing, and*
2. *Resins which are at the same time fast drying.*

The patent to Weber states:

In the present invention resins prepared from *drying or semi-drying oils*, such as, castor oil, linseed oil, or their fatty acids, an organic acid, such as, phthalic anhydride, and glycerol, glycol, or other appropriate alcohol, toughened by means of a cellulose ester or ether, are superior in that compositions so prepared are less susceptible to outside influences, such as moisture, light, etc., particularly where such composition is to be used for the preparation of lacquers or lacquer enamels, which would be subject to exposure to the weather. * * * [Italics ours.]

Examples are given of the use of China wood oil, soya bean oil, corn oil, and rape-seed oil.

The patent to Kienle states:

I have discovered that when an aromatic or cyclic polybasic acid, such as phthalic acid, is associated with an unsaturated, oxidizable acid, namely an acid derived from a *drying oil*, such, for example, as oleostearic, linolic, or linolenic acid, such acids having more than one double bond in the molecule, that then a new form of resinous material is produced which differs in many important respects from the resin containing a non-drying fatty acid. * * * [Italics ours.]

Claim 38 of this patent reads as follows:

38. A resinous product which on saponification yields a polyhydric alcohol, a polybasic organic acid, and a drying oil acid.

The Kienle et al. publication states, as hereinbefore quoted, that the fatty acids of any one of the drying oils may be used in oxygen convertible resins.

It is clear from the foregoing that the prior art taught that the fatty acids of any of the drying or semi-drying vegetable oils might be used in the composition of a resin in which polyhydric alcohol and an organic polybasic acid are constituent elements.

It is established by the record that sunflower seed oil is a drying or semi-drying oil. In the Examiner's statement we find the following:

Sunflower seed oil is a drying oil having an iodine value of 129–136 and the principal acids are oleic 33.4, linolic 57.5, palmitic 3.5, stearic 2.9. Linseed oil has an iodine value 175–202. The acids are: Solid acids 10–15, liquid acids, oleic 15–20, linolic 30, linolenic 38. Saturated acids 8, stearic 64.4, palmitic 290. It will be evident that the greatest difference is in the presence of linolenic acid in linseed oil.

In the affidavit of Dr. Hunt, introduced by appellant, with respect to the statement of the Examiner above quoted, we find the following:

I further depose and say that the data given in lines 19 to 24 of the mentioned page of the Examiner's statement are substantially correct, but the Examiner's deduction in lines 24 and 25 is incorrect in so far as it conveys the impression that the differences in results obtained by applicant are due to the presence of linolenic acid in linseed oil and in its absence from sunflower seed oil, the error in the deduction just mentioned being conclusively shown by the fact that China wood oil resins, to the best of my knowledge, are inferior to the corresponding linseed oil resins from the standpoint of darkening, and yet China wood oil contains no linolenic acid.

I further depose and say that although sunflower seed oil (hitherto relatively scarce oil, the procuring of which must be specially sought for and which would not be offered in response to a request simply for a drying oil) has drying properties inferior to those of the commonly used oils such as linseed or China wood, yet films of the resins containing substantial quantities of combined sunflower seed oil dry about as fast as the corresponding linseed oil resins.

It will be observed that the affidavit admits the statement of the Examiner that sunflower seed oil is a drying oil is correct, but asserts that its drying properties are inferior to the commonly used oils, yet the resins in which sunflower seed oil is used dry about as fast as the corresponding linseed oil resins. After the decision of the Board of Appeals, appellant made a request for reconsideration of such decision, which was denied. In his memorandum making such request appellant set out the International Critical Tables, in which sunflower seed oil is classified as a drying oil and its constituents are stated.

From the foregoing it appears that the prior art taught the use of drying and semi-drying vegetable oils in the preparation of resins of the general character here involved; that sunflower seed oil is a drying or semi-drying oil; that, aside from its quality of preventing "yellowing," it is operative for the same general purposes for which drying and semi-drying vegetable oils were specified in the prior art. This is not denied by appellant, but he asserts that he is the first to discover that the use of sunflower seed oil will prevent yellowing of the resin, and that by its use the resin is "fast drying."

We are of the opinion that, so far as "yellowing" is concerned, appellant has only discovered an additional quality possessed by sunflower seed oil in a use which any one skilled in the art, following the teachings of the prior art, might make of it; so far as "fast drying" is concerned, it appears that sunflower seed oil was classified in the International Critical Tables introduced by appellant as a drying oil, and it would seem that the difference between it and other drying oils, with respect to "fast drying," is only a matter of degree. In view of the prior art cited we think that anyone skilled in the art, with sunflower seed oil available, would naturally and without the exercise of the inventive faculty select it for the making of resins such as are here involved, although he might not know that it possessed the additional quality of preventing "yellowing."

The mere discovery of a quality of sunflower seed oil, not possessed by other vegetable drying oils, cannot be made the basis of a patent when the prior art shows that such oil is of the kind and class that such art taught was useful in the composition of resins of the character here involved.

We think the principle here involved is analogous to the well-established rule that mere discovery of an additional function in a device invented by another does not constitute invention. *Weis* v. *Woodman*, 20 C. C. P. A. (Patents) 1211, 65 F.(2d) 274, 437 O. G. 860; *In re Lang*, 23 C. C. P. A. (Patents) 994, 82 F.(2d) 399, 468 O. G. 283.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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1,358,483, A. Wachsman, Stop mechanism for knitting machine, filed Dec. 8, 1936, D. C., E. D. N. Y., Doc. E 8181, *A. Wachsman* v. *Robaczynski Machine Corp.*

1,423,237, T. G. McGirr, Machine for applying hoods to articles, D. C. N. J., Doc. E 5216, *American Safety Razor Corp.* v. *Estate of E. Hensle et al.* Consent decree for complainant Nov. 2, 1936.

1,423,956, Mitchell & White, Tipless incandescent lamp, D. C. N. J., Doc. E 5068, *General Electric Co.* v. *Sonolux Co.* Consent decree for complainant Nov. 16, 1936.

1,436,459, J. Reece, Seat cover, D. C., S. D. N. Y., Doc. E 77/126, *Evr-Klean Seat Pad Co.* v. *J. Ludesdorf.* Dismissed without prejudice (Dec. 9, 1936).

1,460,716. B. F. Greer, Book form savings bank, D. C., S. D. N. Y., Doc. E 82/40, *Bankers Utilities Co., Inc., et al.* v. *D. H. Zell, Inc.* Consent order of discontinuance without prejudice (notice Dec. 3, 1936).

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1,479,925, R. Oleri, Cylindrical ravioli shaper, sealer, and cutter, D. C., S. D. Calif., C. Div., Doc. E 421–S, *R. Oleri* v. *A. E. Barili et al.* Dismissed on motion of complainant Dec. 8, 1936.

1,508,504, J. de S. Brown, Heels for boots and shoes, filed Nov. 2, 1936, D. C. N. J., Doc. E 5612, *Comolite Corp.* v. *Union Plastics Co.*

1,575,967, E. R. Brodton, Fluid for industrial purposes, D. C. N. J., Doc. E 5510, *R. C. Fasenacht et al.* v. *Carrier Engineering Corp. et al.* Dismissed as to Carrier Engineering Corp. Nov. 9, 1936.

1,599,979, L. Tibbetts, Necktie and method of lining same, D. C., N. D. Calif. (San Francisco), Doc. E 3724–L, *L. Tibbetts et al.* v. *J. M. Cohen.* Dismissed for want of prosecution Nov. 9, 1936. Doc. E 3726–L, *L. Tibbetts et al.* v. *Raphael, Weil & Co.* Decree as above.

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1,876,308, O. B. Law, et al., Swivel seat, D. C. Mich. (Grand Rapids), Doc. 2695, *O. B. Law et al.* v. *E. H. Sheldon & Co.* Dismissed without prejudice for want of prosecution Dec. 10, 1936.

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1,902,641, E. A. Haveles, Restaurant check holder, filed Dec. 4, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 1063–M, *E. A. Haveles* v. *Borun Bros. et al.*

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1,914,010, W. E. Eccles, Electrical connection, filed Dec. 1, 1936, D. C., S. D. N. Y., Doc. E 84/189, *The Andrew Terry Co.* v. *H. J. Levy.*

1,929,366, L. H. McClintock, Decorative article, D. C., S. D. Calif., C. Div., Doc. E 697–H, *L. H. McClintock* v. *J. P. Gleason et al.* Decree for defendant; patent held invalid Dec. 9, 1936.

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2,026,082, C. B. Darrow, Board game apparatus, D. C. Tex. (Ft. Worth), Doc. E 883, *Parker Bros., Inc.*, v. *R. Copeland.* Bill and counterclaim dismissed Dec. 8, 1936.

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Re. 18,280, J. B. Kirby, Clothes washing machine, filed Dec. 7, 1936, D. C., S. D. Ind. (Indianapolis), Doc. E 1886, *The Apex Electrical Mfg. Co. et al.* v. *The Maytag Co. et al.*

Re. 19,620 (of 1,868,458), L. Blumenstock, Shirt envelope, D. C., S. D. N. Y., Doc. E 76/114, *Spear Box Co., Inc.*, v. *Whitman Supply Co., Inc.* Bill dismissed without prejudice (notice Dec. 12, 1936).

Des. 86,226, D. L. Hadley, Gas range, D. C., N. D. Ohio, E. Div., Doc. E 5480, *The Tappan Stove Co.* v. *W. Taylor Son & Co.* Dismissed without prejudice Dec. 19, 1936. Doc. E 5481, *The Tappan Stove Co.* v. *Sears, Roebuck & Co.* Decree as above.

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T. M. 226,735, Corning Distilling Co., Whisky, D. C., N. D. Ill., E. Div., Doc. 15019, *The Old Quaker Co.* v. *Paramount Distilling Corp.* Dismissed by stipulation July 7, 1936.

Trade-Mark Registrations Canceled

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53,199. Proprietary medicine. The Brandreth Co., Ossining and New York, N. Y. Registered May 29, 1906. Canceled January 8, 1937.

124,620. Tablets for curds and whey. Viking Rennet Company, Hoboken, N. J. Registered February 25, 1919. Canceled December 11, 1936.

129,678. Paper. Dill & Collins Co., Philadelphia, Pa. Registered March 9, 1920. Canceled November 24, 1936.

163,440. Laundry blue or bluing. James T. Lyons, doing business as Lyons Chemical Works, Chicago, Ill. Registered January 9, 1923. Canceled January 8, 1937.

185,328. High-temperature cement. Celite Products Company, Los Angeles, Calif. Registered June 10, 1924. Canceled November 24, 1936.

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271,084. Refractory insulating parts. Porcelain Products, Inc., Findlay, Ohio. Registered May 27, 1930. Canceled December 11, 1936.

271,089. Hosiery, underwear, and sweaters. H. K. Regar & Sons, Inc., Bridgeport, Pa. Registered May 27, 1930. Canceled November 6, 1936.

271,613. Field and grass seeds. O. M. Scott & Sons Company, Marysville, Ohio. Registered June 10, 1930. Canceled December 11, 1936.

292,348. Potato chips. Havmor Food Products, Inc., New York, and Brooklyn, N. Y. Registered March 15, 1932. Canceled January 8, 1937.

297,030. Underwear and hosiery. Vanity Fair Silk Mills, Reading, Pa. Registered August 30, 1932. Canceled November 24, 1936.

312,840. Brandy and other potable distilled spirits. Schenley Wine & Spirit Import Corporation, New York, N. Y. Registered May 8, 1934. Canceled December 15, 1936.

319,876. Wines of all kinds. Etablissements Léon Rigault, Societe Anonyme, Beaunne, France. Registered December 4, 1934. Canceled November 24, 1936.

324,794. Certain named pharmaceutical and medicinal preparations. Elna D. Openshaw, doing business as Anna Lee Laboratories, Los Angeles, Calif., and Salt Lake City, Utah. Registered June 4, 1935. Canceled November 24, 1936.

327,351. Newspaper column. William Smith, New York, N. Y. Registered August 20, 1935. Canceled November 6, 1936.

328,045. Lumber. Mitcheal Joseph George, Goshen, N. Y. Registered September 10, 1935. Canceled December 4, 1936.

331,771. Whiskey. Herman Kraus, New York, N. Y. Registered January 21, 1936. Canceled November 24, 1936.

336,138. Alcoholic cordials, and whiskey cocktails. Jacob S. Polefsky, doing business as Continental Pure Products Co., Jersey City, N. J. Registered June 23, 1936. Canceled December 4, 1936.

337,635. Hypodermic injections. Cerecedo Hnos. & Co., Sucs., San Juan, Puerto Rico. Registered August 11, 1936. Canceled January 8, 1937.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 2, 1937

[VOL. 475. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 380,247. A. COURCHESNE, INC., doing business as El Paso Clay & Powder Company, El Paso, Tex. Filed June 25, 1936.

Gusher Brand

The word "Brand" is disclaimed apart from the mark.
For Rotary Drilling Clay.
Claims use since June, 1928.

Ser. No. 385,951. SUMMEROUR AND SMITH, doing business as Shur-Make Half & Half Co., Vernon, Tex., and Elk City, Okla. Filed Nov. 24, 1936.

SHUR-MAKE

For Cotton Seed.
Claims use since Sept. 1, 1936.

CLASS 2

Receptacles

Ser. No. 386,680. IMPERIAL MOLDED PRODUCTS CORPORATION, Chicago, Ill. Filed Dec. 12, 1936.

SANI-TRETE

For Dispensers and Dispenser Closures for Sugar, Catsup, Mustard, Salt, and Pepper; Dispensers for Cream, Butter, Butter Chips, and Toast and Waffle Covers.
Claims use since Mar. 5, 1934.

Ser. No. 386,825. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn. Filed Dec. 16, 1936.

ELECTROCOLOR

For Oil Cans.
Claims use since June 26, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 383,209. DU BARRY BAGS INCORPORATED, New York, N. Y. Filed Sept. 14, 1936.

Du Barry Bags
INCORPORATED
"Bags of Beauty"

The words "Bags of Beauty" are disclaimed when used apart from the mark.
For Ladies' Hand Bags and Pocketbooks.
Claims use since Sept. 1, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 372,209. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Dec. 3, 1935.

XELSAFIX

For Chemical Substance Used as a Detergent for Textile, Household, Industrial and Other Purposes where Detergency is Required.
Claims use since December, 1934.

Ser. No. 372,212. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Dec. 3, 1935.

MAPROFIX

For Chemical Substance Used as a Detergent for Textile, Household, Industrial, and Other Purposes Where Detergency is Required.
Claims use since April, 1933.

Ser. No. 383,546. THE SAVOGRAN COMPANY, Boston, Mass. Filed Sept. 23, 1936.



The words "The Cold Water Soap Powder" are disclaimed as part of the mark.
For Cold Water Soap Powder.
Claims use since Sept. 21, 1936.

Ser. No. 383,941. PURE SOLVENT CO., INC., New York, N. Y. Filed Oct. 3, 1936.



The wording "Pure-Solvent" is disclaimed apart from the mark as shown.
For Detergent Compound for Cleansing the Skin, Fabrics, and the Surfaces of Glass, Porcelain, Metal, Stone, Wood (Painted or Unpainted), Rubber, Linoleum, and Tile.
Claims use since Aug. 20, 1935.

Ser. No. 385,218. GEORGE W. EBY, doing business as Strap E Z Manufacturing Co., Fort Wayne, Ind. Filed Nov. 6, 1936.



The word "Strap" apart from the mark shown is disclaimed.
For Razor Strop Dressing for Use in Honing or Sharpening Razors.
Claims use since October, 1932.

Ser. No. 385,458. H. KIRK WHITE & Co., Oconomowoc, Wis. Filed Nov. 12, 1936.

SEPTICENE

For Shaving Cream and Shaving Soap.
Claims use since October, 1903.

Ser. No. 385,614. VIZ CORPORATION OF AMERICA, Norwalk, Conn. Filed Nov. 16, 1936.

VIZ
THE MAGIC THAW

The word "Thaw" is disclaimed apart from the mark as shown.
For Compound for Keeping Windshields Clear of Ice, Snow, and Vapors.
Claims use since Nov. 6, 1936.

Ser. No. 385,656. WOOLMAN AND ROBLES, New York, N. Y. Filed Nov. 17, 1936.



For Leather Dressing Which Restores the Lustre of the Leather.
Claims use since Aug. 3, 1936.

Ser. No. 385,713. H. KIRK WHITE & Co., Oconomowoc, Wis. Filed Nov. 18, 1936.

ADSOL

For Cleaning Compound and Type Cleaner.
Claims use since July 26, 1936.

Ser. No. 386,172. SAKS & COMPANY, New York, N. Y. Filed Dec. 1, 1936.

MAJOR'S

For Shaving Cream, Shaving Soap, and Toilet Soap.
Claims use since Sept. 1, 1933.

Ser. No. 386,440. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Dec. 7, 1936.

SANI-TEX

For Hygienic Soap.
Claims use since Oct. 13, 1936.

Ser. No. 386,463. VEL-VETTE LABORATORIES, INC., New York, N. Y. Filed Dec. 7, 1936.

RE-NUZ-ALL

For Chemical Preparation for Removing Stains, Ink, Grease, Gum, Paint, Varnish, and the Like from Rugs, Fabrics, Walls, and Other Surfaces.
Claims use since Aug. 1, 1936.

Ser. No. 386,468. WIZARD, INC., Chicago, Ill. Filed Nov. 30, 1936.



WIZARD

For Carpet Cleaning Compound, Metal Polish, and Shoe Cleaner and Polish.
Claims use since Dec. 10, 1914, on carpet cleaning compound and metal polish, and since Aug. 9, 1934, on shoe cleaner and polish.

Ser. No. 386,534. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Dec. 9, 1936.

NOVEX

For Alkaline Cleaning Compound, in Powdered Form, for Cleaning Metallic Containers.
Claims use sinc Oct. 15, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 372,210. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Dec. 3, 1935.

XELSAFIX

For Chemical Substance Used as a Detergent for Textile, Household, Industrial, and Other Purposes Where Detergency is Required.
Claims use since December, 1934.

Ser. No. 372,211. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Dec. 3, 1935.

MAPROFIX

For Chemical Substance Used as a Detergent for Textile, Household, Industrial, and Other Purposes Where Detergency is Required.
Claims use since April, 1933.

Ser. No. 374,975. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Feb. 18, 1936.

LIBRETTO
de
JEURELLE

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Jan. 17, 1936.

Ser. No. 381,412. THE KNOX COMPANY, Los Angeles, Calif. Filed July 24, 1936.

SISTEX

For Preparations for the Treatment of Disorders of the Kidneys and Bladder, Rheumatism, and Uric Acid Troubles.
Claims use since Mar. 26, 1926.

Ser. No. 381,572. NUTRI-BROM PHARMACAL CO., INC., Brooklyn, N. Y. Filed July 29, 1936.

VIMATONE

For Ferruginous Tonic and Hematinic.
Claims use since June, 1935.

Ser. No. 382,008. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Aug. 10, 1936.

STA-FLO

For Laundry Starch.
Claims use since July 30, 1936.

Ser. No. 382,147. MEDICINAL RESEARCH LABORATORIES, Philadelphia, Pa. Filed Aug. 12, 1936.

Sitiruen

For Preparations in the Form of an Ointment, Oil, and Solution, to be Applied Externally in the Treatment of Arthritis, Neuritis, Rheumatism, Neuralgia, Lumbago, Sore Joints, Muscular Aches and Pains.
Claims use since Mar. 3, 1925.

Ser. No. 383,416. CLARK O. FOUNTAINE, Moorestown, N. J. Filed Sept. 16, 1936.

FootMaster

For Medicinal Preparation for the Treatment of Athlete's Foot and Other Foot Ailments.
Claims use since June 17, 1936.

Ser. No. 383,807. BENEDICT A. GIUSTI, doing business as International Pharmacy, Yuma, Ariz. Filed Sept. 30, 1936.

RX196

The letters "RX" are disclaimed apart from the mark.
For Ointment for Relief of All Forms of Infected Skin Sores, Chafes, Cuts, and Bruises.
Claims use since May 1, 1936.

Ser. No. 384,047. OLD RELIABLE LABORATORIES, INCORPORATED, Ashland, Ky. Filed Oct. 6, 1936.

WIMMER'S

CREO-LINGIA

For Medicine for the Treatment of Common Coughs, Colds, Hoarseness, Sore Throat, and Minor Bronchitis.
Claims use since Sept. 25, 1935.

Ser. No. 384,222. SOZOL (1924) LIMITED, London, England. Filed Oct. 10, 1936.

OTEG

For Egg Preservatives (Not Being Ingredients in Food).
Claims use since Apr. 23, 1926.

Ser. No. 384,309. THE ALLEN COMPANY, Toledo, Ohio. Filed Oct. 14, 1936.

Paraseptic

For Preparation for the Treatment of Athlete's Foot, Pediculosis, Scabies, Chiggers, Mosquito Bites, Bee Stings, Callouses, and as a Mosquito Repellent and an Agent Useful in the Treatment of Burns, Wounds, and Cuts.
Claims use since Oct. 1, 1934.

Ser. No. 384,404. VINCENZO BOCCELLA, doing business as Viba Company, Philadelphia, Pa. Filed Oct. 16, 1936.

CITRO-TERPIN

The word "Terpin" is disclaimed.
For Medicinal Preparation for Coughs Due to Colds or Bronchitis.
Claims use since Mar. 1, 1933.

Ser. No. 384,497. ALBERT H. BINASH, doing business as Albert Laboratories, Chicago, Ill. Filed Oct. 19, 1936.

Ban Asma

The word "Asma" is disclaimed apart from the mark as shown.
For Medicinal Preparation for the Treatment of Asthma and Bronchitis.
Claims use since Apr. 6, 1934.

Ser. No. 384,630. QUALITY PRODUCTS CO., INC., Brooklyn, N. Y. Filed Oct. 21, 1936.

Mimosé

For Face Creams, Cleansing Creams, Face Powders, Cleansing Emulsions, Essential Texture Creams, Toilet Waters, Complexion Lotion.
Claims use since Oct. 5, 1936.

Ser. No. 384,843. THE CELASTIC CORPORATION, Wilmington, Del., and Arlington, N. J. Filed Oct. 27, 1936.

Celastic

For Softeners, i. e., Chemical Solutions Used in the Shoe Industry to Soften the Materials, Before Shaping Them, Used in Shoe Toes or Counters.
Claims use since Dec. 22, 1932.

Ser. No. 384,887. DONNA-LO LABORATORIES, INC., St. Louis, Mo. Filed Oct. 28, 1936.

Donna Lo

For Face Powder, Perfume, Soapless Shampoo, Cod Liver Oil Shampoo, Bath Oil, Rouge, Lipstick, Skin Preparations, Facial Oil.
Claims use since Oct. 1, 1935.

Ser. No. 384,912. CORNELIUS C. VANDERHOOVEN, Asheville, N. C. Filed Oct. 28, 1936.

BAN DAN

For Hair Tonics.
Claims use since Oct. 26, 1936.

Ser. No. 384,971. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Oct. 30, 1936.

SANTOFLEX

For Chemical Compounds Employed as Antioxidants in the Manufacture of Vulcanized Rubber Articles.
Claims use since Oct. 17, 1936.

Ser. No. 385,203. SYLVANIC COMPANY, INC., New York, N. Y. Filed Nov. 5, 1936.

SYLVANIC

For Chemical Compounds for Impregnating and Coating Yarns, Fabrics, and Papers for Improving the Feel, Appearance, and Durability Thereof.
Claims use since Oct. 20, 1936.

Ser. No. 385,282. ENDOWMENT FOUNDATION, New Brunswick, N. J. Filed Nov. 9, 1936.

ENDOWMENT FOUNDATION N J MOSQUITO LARVACIDE

The words "Mosquito Larvacide" are disclaimed apart from the mark.
For Mosquito Larvacide for Use in Killing Mosquitoes.
Claims use since Oct. 22, 1936.

Ser. No. 385,449. PHOENIX-POWERS CO., Camden, N. J. Filed Nov. 12, 1936.

E-NOW

The letter "E" is disclaimed apart from the mark shown.
For Capsules Which Contain the Natural Concentrate of Vitamin E Used as a Therapeutic.
Claims use since Aug. 16, 1935.

Ser. No. 385,565. COMPAÑIA ARGENTINA DE QUEBRACHO "MARCA FORMOSA" SOCIEDAD ANÓNIMA, Buenos Aires, Argentina. Filed Nov. 16, 1936.

COMPAÑIA ARGENTINA DE QUEBRACHO "MARCA FORMOSA" S.A. ★ S.F.

For Tanning Extracts.
Claims use since May 16, 1935.

Ser. No. 385,596. CHARLES MOSS, doing business as Mosscony Brand, New York, N. Y. Filed Nov. 16, 1936.

MOSSCONY BRAND

No claim is made to the word "Brand".
For Insect Spray, Bleaching Powder, Insect Powder, and Disinfectant.
Claims use since Oct. 4, 1934.

Ser. No. 385,704. SOUTHERN DYESTUFF CORPORATION, Charlotte, N. C. Filed Nov. 18, 1936.

SODYESUL

For Dyestuffs.
Claims use since July 25, 1936.

Ser. No. 385,705. SOUTHERN DYESTUFF CORPORATION, Charlotte, N. C. Filed Nov. 18, 1936.

SODYEFIDE S-67

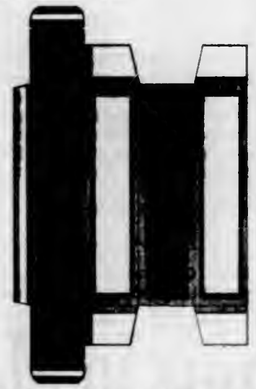
For Dyestuff.
Claims use since Oct. 19, 1936.

Ser. No. 385,714. H. KIRK WHITE & Co., Oconomowoc, Wis. Filed Nov. 18, 1936.

SEPTICENE

For Antiseptic Mouth Wash, Healing Ointment, Throat Tablets, Tooth Paste, Tooth Powder, Bath Salts, Face Cream, Deodorizing Powder, and Face Powder.
Claims use since October, 1903.

Ser. No. 385,895. MILES LABORATORIES, INC., Elkhart, Ind. Filed Nov. 23, 1936.



The drawing is lined for pale blue, gray blue, light blue, deep blue, and white. The representation of a carton per se is disclaimed.
For Antiacid Effervescent Preparation.
Claims use since Dec. 20, 1930.

Ser. No. 385,921. FORT ORANGE CHEMICAL CO., INC., Albany, N. Y. Filed Nov. 24, 1936.

Dentlock

For Adhesive Denture Powder.
Claims use since June 17, 1935.

Ser. No. 385,979. CLARA FURMAN, Brooklyn, N. Y. Filed Nov. 25, 1936.

DONNA CLAIRE

For Face Creams.
Claims use since Oct. 15, 1936.

Ser. No. 386,007. ANGLO-FRENCH LABORATORIES, INC., New York, N. Y. Filed Nov. 27, 1936.

PULVERICIN

For Medicines for Use as a Cathartic.
Claims use since Nov. 14, 1936.

Ser. No. 386,028. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y. Filed Nov. 27, 1936.

LITTLE MISS MUFFET

For Food Colors.
Claims use since Apr. 11, 1918.

Ser. No. 386,042. PARFUMERIE ST. DENIS, New York, N. Y. Filed Nov. 27, 1936.

Chivalry

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Nov. 21, 1936.

Ser. No. 386,053. CHARLES A. THAYER, doing business as The Thayer Chemical Co., Topeka, Kans. Filed Nov. 27, 1936.

Phen-Io-Men

For Preparation for External Use as a Dressing in Surgery Cuts, Lacerations, and Bruises.
Claims use since Nov. 1, 1934.

Ser. No. 386,323. WILBER CO. INC., Richmond, Va. Filed Dec. 4, 1936.

IROSUL

For Preparation for the Treatment of Anemia.
Claims use since Oct. 21, 1936.

Ser. No. 386,592. LES PARFUMS WORTH DE PARIS, INC., New York, N. Y. Filed Dec. 10, 1936.

PROJETS

For Perfumes.
Claims use since October, 1935.

CLASS 12

Construction Materials

Ser. No. 368,488. SOCIETE LE REZO, Paris, France. Filed Aug. 20, 1935.

REZO

For Doors, Architectural Wall Panels or Partitions.
Claims use since June 8, 1935.

Ser. No. 385,200. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill. Filed Nov. 5, 1936.

PLICAST Stoker Set

For Castable Refractory Material.
Claims use since Aug. 7, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 377,255. FIBRO-PLUG SOLAR INDUSTRIES, New York, N. Y. Filed Apr. 14, 1936.

FIBRO-PLUG

Applicant disclaims the word "Plug" as used in said mark.
For Anchor Plugs for Screws.
Claims use since May 1, 1935.

Ser. No. 383,999. F. S. & W. W. HIRSCH, Los Angeles, Calif. Filed Oct. 5, 1936.

METROPOLITAN

For Shut-Off Nozzles of Fire Protection Equipment.
Claims use since Oct. 23, 1923.

CLASS 15

Oils and Greases

Ser. No. 357,021. NORTH JERSEY OIL CORPORATION, Bloomfield, N. J. Filed Oct. 11, 1934.

ROYAL PURPLE



The drawing is lined for violet or purple. The wording is disclaimed apart from the mark.
For Gasoline, Lubricating Oils and Greases.
Claims use since Sept. 29, 1934.

Ser. No. 385,677. PHILLIPS PURE OIL COMPANY, Newkirk, Okla. Filed Nov. 18, 1936.



The words "Pure Oil" are disclaimed apart from the mark as shown.
For Lubricating Oils and Greases, Gasoline, Kerosene, Naphtha, and Motor Fuel Oil.
Claims use since Apr. 4, 1923.

CLASS 16

Paints and Painters' Materials

Ser. No. 386,494. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Dec. 8, 1936.

NUODEX

For Paint Driers, Varnish Driers, Enamel Driers, Lacquer Driers.
Claims use since May 13, 1932.

CLASS 17

Tobacco Products

Ser. No. 367,248. JOSÉ LOPEZ, New York, N. Y. Filed July 13, 1935.

LA VICTORIA

For Cigars.
Claims use since Aug. 3, 1883.

Ser. No. 385,921. FORT ORANGE CHEMICAL CO., INC., Albany, N. Y. Filed Nov. 24, 1936.

Dentlock

For Adhesive Denture Powder.
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Claims use since Sept. 29, 1934.

Ser. No. 385,677. PHILLIPS PURE OIL COMPANY, Newkirk, Okla. Filed Nov. 18, 1936.

PURE OIL

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Claims use since Apr. 4, 1923.

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Ser. No. 367,248. JOSÉ LOPEZ, New York, N. Y. Filed July 13, 1935.

LA VICTORIA

For Cigars.
Claims use since Aug. 3, 1883.

Ser. No. 384,850. FRANCISCO SOLAUN GONZALEZ, Habana, Cuba. Filed Oct. 27, 1936.



The words "Non Plus Ultra" and "Habana" are disclaimed apart from the mark as shown.
For Cigars.
Claims use since 1845.

Ser. No. 385,766. GEORGE W. ZIMMERMAN, Allentown, Pa., assignor to G. W. Zimmerman, Inc., a corporation of Ohio. Filed Nov. 19, 1936.

PANIC

For Smoking and Chewing Tobacco, Cigars, and Cigarettes.
Claims use since 1894.

Ser. No. 385,981. HANFF-METZGER, INC., New York, N. Y. Filed Nov. 25, 1936.



For Cigarettes.
Claims use since July 31, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 380,976. SUNSHINE-RADIO SYSTEM, INC., New York, N. Y. Filed July 13, 1936.



The words "Radio System" are disclaimed apart from the mark as shown. The drawing is lined for orange and silver.
For Automobiles.
Claims use since Mar. 26, 1936.

Ser. No. 384,256. INDIANA MOTORS CORPORATION, Cleveland, Ohio. Filed Oct. 12, 1936.



The words "Indiana" and "Motor Trucks" are disclaimed apart from the design shown. The drawing is lined for red.
For Motor Trucks.
Claims use since June 17, 1919.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 373,009. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Dec. 23, 1935.

HOME POWER

The word "Power" is disclaimed apart from the mark shown.
For Prime-Mover-Driven Electric Generator Combinations, Including Wind-Driven and Engine-Driven Electric Generator Combinations.
Claims use since Dec. 14, 1935.

Ser. No. 384,772. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed Oct. 24, 1936.



The word "Marine" is disclaimed except as shown.
The drawing is lined for red.
For **Storage** Batteries and Parts Thereof.
Claims use since Aug. 4, 1936.

Ser. No. 384,773. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed Oct. 24, 1936.



The words "Thread Rubber" and "Marine" are disclaimed except as shown. The drawing is lined for red.
For Storage Batteries and Parts Thereof.
Claims use since Sept. 1, 1936.

Ser. No. 385,019. FRANK C. WILSON, Bloomington, Ill. Filed Oct. 31, 1936.

SERVRITE

For Electric Grill.
Claims use since June 20, 1936.

Ser. No. 385,461. AMPERITE COMPANY, New York, N. Y. Filed Nov. 12, 1936.

VELOSTATIC

For Microphones.
Claims use since September, 1936.

Ser. No. 385,540. F. W. SICKLES COMPANY, Springfield, Mass. Filed Nov. 14, 1936.



For Condensers, Coils, Inductances, Transformers, and the Like for Radio Receiving and Sending Apparatus.
Claims use since Jan. 1, 1922.

Ser. No. 386,283. AUTOMATIC RADIO MANUFACTURING CO., INC., Boston, Mass. Filed Dec. 4, 1936.

AIR-MASTER

For Radio Receiving Sets and Parts.
Claims use since 1930.

Ser. No. 386,397. AUTOMATIC RADIO MANUFACTURING CO., INC., Boston, Mass. Filed Dec. 7, 1936.

AUTO-MASTER

For Radio Receiving Sets and Parts.
Claims use since 1931.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 386,885. PHILIP CASTAGNA, doing business as Option Card Company, Philadelphia, Pa. Filed Dec. 18, 1936.



For Letter and Alphabet Cards Assembled in Deck Form and Usable by a Plurality of Participants as an Educational Word Game.
Claims use since Nov. 1, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 378,005. ROTO-ROOTER CORPORATION, Des Moines, Iowa. Filed May 4, 1936.

ROTO-ROOTER

The word "Rooter" is disclaimed apart from the mark as shown.
For Sewer and Drain Cleaning Machines.
Claims use since March, 1935.

Ser. No. 384,099. ISAAC L. SCHWARTZ, doing business as S. O. S. Fire Extinguishers Company, Philadelphia, Pa. Filed Oct. 7, 1936.

S.O.S.

For Portable Hand and Automatic Fire Extinguishers.
Claims use since August, 1931.

Ser. No. 385,407. INTERNATIONAL SAFETY RAZOR CORP., Bloomfield, N. J. Filed Nov. 11, 1936.

INTERNATIONAL

For Razors and Razor Blades.
Claims use since Oct. 31, 1936.

Ser. No. 385,423. NORTON COMPANY, Worcester, Mass. Filed Nov. 11, 1936.

CRANK-O-LAP

For Abrading, Grinding, and Lapping Machines Such as Crankshaft Lapping Machines.
Claims use since Nov. 5, 1936.

Ser. No. 385,427. SHARPO SPECIALTIES COMPANY, Dayton, Ohio. Filed Nov. 11, 1936.

SHARPO

For Razor Blade Sharpeners.
Claims use since October, 1933.

Ser. No. 385,064. THE ELLIOTT ADDRESSING MACHINE COMPANY, Cambridge, Mass. Filed Nov. 18, 1936.

PAYROGRAPH

For Addressing Machines, and Stencil Printing Apparatus and Attachments Therefor, and Printing Devices for Use Therewith.
Claims use since Aug. 7, 1936.

Ser. No. 385,665. THE ELLIOTT ADDRESSING MACHINE COMPANY, Cambridge, Mass. Filed Nov. 18, 1936.

STATISTOGRAPH

For Addressing Machines, and Stencil Printing Apparatus and Attachments Therefor, and Printing Devices for Use Therewith.
Claims use since Sept. 19, 1936.

Ser. No. 386,243. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Dec. 3, 1936.

APOLLO

For Safety Razor Blades.
Claims use since Dec. 1, 1936.

Ser. No. 386,244. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Dec. 3, 1936.

CAMEL

For Safety Razor Blades.
Claims use since Dec. 1, 1936.

Ser. No. 386,370. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed Dec. 5, 1936.



For Grease Cups, Oil Cups, Lubricators, Manifold Lubricators, Lubricator Manifolds, and Fittings Used in Systems of Manifold Lubrication, and Grease Guns.
Claims use on grease cups, oil cups, and lubricators by applicant and its predecessor, since the year 1890; by applicant, on manifold lubricators, lubricator manifolds, and fittings used in systems of manifold lubrication since January 30, 1923; and on grease guns since 1906.

Ser. No. 386,384. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Dec. 5, 1936.

bif

For Sprayers.
Claims use since Oct. 27, 1931.

Ser. No. 386,407. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Dec. 7, 1936.

AIRMAN

For Safety Razor Blades.
Claims use since Dec. 2, 1936.

Ser. No. 386,408. COLTON RAZOR BLADE COMPANY, Boston Mass. Filed Dec. 7, 1936.

CHEERIO

For Safety Razor Blades.
Claims use since Dec. 2, 1936.

Ser. No. 386,409. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Dec. 7, 1936.

CLIPPER

For Safety Razor Blades.
Claims use since Dec. 2, 1936.

Ser. No. 386,410. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Dec. 7, 1936.

SHIELD

For Safety Razor Blades.
Claims use since Dec. 2, 1936.

Ser. No. 386,411. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Dec. 7, 1936.

PILOT

For Safety Razor Blades.
Claims use since Dec. 2, 1936.

Ser. No. 386,412. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Dec. 7, 1936.

STARTER

For Safety Razor Blades.
Claims use since Dec. 2, 1936.

Ser. No. 386,445. DANIEL H. RIDER, doing business as Gay Blade Co., New York, N. Y. Filed Dec. 7, 1936.



For Razor Blades and Pocket Knives for Personal Use.
Claims use since Feb. 11, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 374,024. TAYLOR, TAYLOR & HOBSON, LIMITED, Leicester, England. Filed Jan. 23, 1936.

PANFO

For Photographic Lenses.
Claims use since Sept. 30, 1935.

CLASS 27

Horological Instruments

Ser. No. 386,823. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn. Filed Dec. 16, 1936.

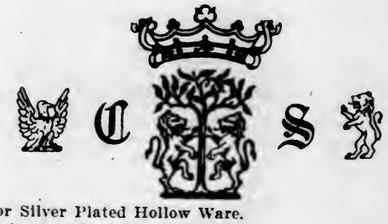
ELECTROCOLOR

For Clocks.
Claims use since June 26, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 384,736. CROWN SILVER COMPANY, INC., Brookline, Mass. Filed Oct. 24, 1936.



For Silver Plated Hollow Ware.
Claims use since Oct. 1, 1933.

Ser. No. 386,162. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Dec. 1, 1936.

LOVELY LADY

For Silver-Plated Flatware for Table Use and the Like.
Claims use since Nov. 24, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 384,040. LOCKHART MANUFACTURING CO., Pittsburgh, Pa. Filed Oc. 6, 1936.

VERI-BEST

The words "Veri-Best" are not claimed apart from the rest of the mark shown.
For Household Brooms and Mops.
Claims use since 1921 on mops, and since June 11, 1936, on brooms.

CLASS 31

Filters and Refrigerators

Ser. No. 385,622. BUTTERMILK DISPENSERS, San Francisco, Calif. Filed Nov. 17, 1936.

MOTHERS CHURN

For Refrigerated Buttermilk Dispenser and Parts Thereof.
Claims use since Oct. 2, 1936.

Ser. No. 386,503. SNO CREME FREEZER CORPORATION, Seattle, Wash. Filed Dec. 8, 1936.

SNO-CREME

For Machines for Making Frozen Confections.
Claims use since Apr. 21, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 381,604. S. BLICKMAN, INC., Weehawken, N. J. Filed July 30, 1936.



The name "Weehawken" is disclaimed except as shown.
For Tables, Cabinets, Racks, Shelving, Stands, and Like Articles Made of Metal or Other Suitable Material and Used as Food Service Equipment.
Claims use since June 1, 1936.

Ser. No. 381,790. SLEEPER, INC., Chicago, Ill. Filed Aug. 3, 1936.

METROPOLITAN

For Twin Studio Couches.
Claims use since July 3, 1936.

CLASS 33

Glassware

Ser. No. 385,876. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn. Filed Nov. 23, 1936.

SKYTEX

For Flat Glass.
Claims use since Aug. 15, 1935.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 381,283. NORTH SHORE ELECTRIC CO., INC., Woodside, N. Y. Filed July 21, 1936.

Craftsman

For Automatic Oil Burners.
Claims use since Dec. 2, 1935.

Ser. No. 382,720. THOMAS SMITH KELLY, Philadelphia, Pa. Filed Aug. 29, 1936.



The abbreviation "Reg." is disclaimed apart from the mark.
For Lamp Reflectors and Lenses.
Claims use since June 1, 1936.

Ser. No. 384,140. SAMUEL SLUTSKY, South Bend, Ind. Filed Oct. 8, 1936.



For Air Conditioners.
Claims use since Aug. 1, 1936.

Ser. No. 385,455. UNION COIL & MANUFACTURING CO., Pittsburgh, Pa. Filed Nov. 12, 1936.



The words "Pittsburgh, Pa." are disclaimed apart from the mark.
For Instantaneous Automatic Gas Water Heaters.
Claims use since Oct. 1, 1935.

Ser. No. 386,091. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn. Filed Nov. 30, 1936.

TRAILERKOOK

For Gasoline Operated Cooking Stoves.
Claims use since Oct. 13, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 386,251. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 3, 1936.

YKL

For Tires Composed Wholly or Principally of Rubber.
Claims use since Nov. 25, 1936.

Ser. No. 386,252. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 3, 1936.

RAYOTWIST

For Tires Composed Wholly or Principally of Rubber.
Claims use since Nov. 25, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 370,782. SONOTONE CORPORATION, New York, N. Y. Filed Oct. 24, 1935.

SONOTONE

For Phonographs and Apparatus for Recording Sound on Discs and Accessories Thereof.
Claims use since Aug. 28, 1933.

Ser. No. 386,324. WINTER AND COMPANY, New York, N. Y. Filed Dec. 4, 1936.

Resollector

For Pianos.
Claims use since Nov. 9, 1936.

Ser. No. 386,325. WINTER AND COMPANY, New York, N. Y. Filed Dec. 4, 1936.

Resolonic

For Pianos.
Claims use since Nov. 10, 1936.

CLASS 37

Paper and Stationery

Ser. No. 385,323. WILCO DRUG, INC., Brooklyn, N. Y. Filed Nov. 9, 1936.

ARISTOCRAT

For Facial Tissue.
Claims use since 1934.

Ser. No. 385,619. THE AMERICAN ENVELOPE CO., West Carrollton, Ohio. Filed Nov. 16, 1936.

UNI-MAILER

The word "Mailer" apart from the mark shown is disclaimed.
For Paper Envelopes.
Claims use since Oct. 1, 1936.

Ser. No. 385,850. LOUISVILLE WALL PAPER CO. INC., Louisville, Ky. Filed Nov. 21, 1936.

CARDINAL



WALLPAPERS

The word "Wallpapers" is disclaimed apart from the mark shown.
For Wall Paper.
Claims use since Nov. 4, 1936.

CLASS 38

Prints and Publications

Ser. No. 383,836. CARLILE CRUTCHER, Louisville, Ky. Filed Oct. 1, 1936.

YOU BE THE JUDGE

For Cartoons Published in Installments at Periodical Intervals.
Claims use since July 6, 1936.

Ser. No. 384,063. WILLIAM GREGG BLANCHARD, 2D, Coral Gables, Fla. Filed Sept. 21, 1936.

NATION & RACE

For Magazine.
Claims use since Aug. 1, 1936.

Ser. No. 384,933. REMINGTON PUBLISHING CO., INC., New York, N. Y. Filed Oct. 29, 1936.

THE NEW YORK
WEEKENDER

For Magazine.
Claims use since Oct. 27, 1936.

Ser. No. 385,135. CURT TEICH & COMPANY, INC., Chicago, Ill. Filed Nov. 4, 1936.

"C. T. PHOTO FINISH"

Applicant disclaims the words "Photo Finish".
For Multi-Colored Post-Cards and Pictorial Illustrations.
Claims use since September, 1934.

Ser. No. 385,137. CURT TEICH & COMPANY, INC., Chicago, Ill. Filed Nov. 4, 1936.

"C. T. AMERICAN ART COLORED"

Applicant disclaims the words "American Art Colored".
For Multi-Colored Post-Cards and Pictorial Illustrations.
Claims use since March, 1904.

Ser. No. 385,460. WHITMORE & SMITH, BOOK AGENTS, PUBLISHING HOUSE, M. E. CHURCH, SOUTH, Nashville, Tenn., Dallas, Tex., and Richmond, Va. Filed Nov. 12, 1936.

Cargo

For Periodical.
Claims use since Oct. 1, 1936.

Ser. No. 385,757. TIME, INCORPORATED, New York, N. Y. Filed Nov. 19, 1936.

The MARCH OF TIME
Prepared by the Editors of TIME The Weekly Newsmagazine

The words "Prepared by the Editors of Time The Weekly Newsmagazine" are disclaimed apart from the mark.
For Newspaper Column.
Claims use since Oct. 29, 1936.

Ser. No. 385,802. PHILADELPHIA RECORD COMPANY, Philadelphia, Pa. Filed Nov. 20, 1936.

Perhaps It's News

For Column for Articles or Writings Published in Its Daily Newspaper the Philadelphia Record.
Claims use since Jan. 27, 1935.

Ser. No. 386,131. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Nov. 30, 1936.

Business Speaks

For Sections of Periodical Publications.
Claims use since Nov. 16, 1936.

Ser. No. 386,132. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Nov. 30, 1936.

The Question of the Week

For Sections of Periodical Publications.
Claims use since Nov. 16, 1936.

CLASS 39.

Clothing

Ser. No. 334,688. ISADOR PANITZ, doing business as Yale Underwear Co., Baltimore, Md. Filed Feb. 6, 1933.

The KING OF SHORTS

The word "Shorts" is disclaimed apart from the drawing.
For Men's and Women's Running Pants, Shorts, Athletic Shirts, Drawers, Union Suits, Pajamas, and Children's Athletic Underwear and Pajamas.
Claims use since Aug. 1, 1932.

Ser. No. 378,337. RICE-STIX DRY GOODS CO., St. Louis, Mo. Filed May 11, 1936.

Paddle n' Saddle TOGS

The word "Togs" is disclaimed apart from the mark as shown.
For Sport Dresses, Slacks, Shorts, Culottes, Play Suits, Men's, Ladies', and Children's Sport Shirts and Blouses, and Men's Dress, Negligee, and Work Shirts.
Claims use since May 7, 1936.

Ser. No. 380,278. HARRIET C. HUGHES, Southport, Conn. Filed June 26, 1936.

"SUPER-V(EYE)ZOR"

THE BECOMING SPORT SHADE

The words "V(Eye)Zor" and "The Becoming Sport Shade" are disclaimed apart from the mark as shown.
For Sport Visors.
Claims use since June 19, 1936.

Ser. No. 380,415. SULKIS SHOE COMPANY, Marlboro, Mass. Filed June 29, 1936.

Feather Arch

For Leather Shoes, Fabric Shoes, and Shoes Made of a Combination of Leather and Fabric.
Claims use since Oct. 25, 1935.

Ser. No. 380,629. THE FOREST GARMENT COMPANY, Cleveland, Ohio. Filed July 6, 1936.

Peggy Jean

For Women's, Misses', and Children's Coats, Suits, Dresses, Blouses, Smocks, Culottes.
Claims use since November, 1933.

Ser. No. 383,169. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Sept. 12, 1936.

MERSILLA

For Children's and Infants' Wear—Namely, Dresses, Bonnets, Gowns, Kimonos, Underwear, Booties, Sacques, Sweaters, Hoods, Jackets, Bath Robes, Hosiery, Baby Buntings, and Gertrudes; Corsets; Handkerchiefs; and Underwear for Men, Women, and Children.
Claims use since Mar. 27, 1936.

Ser. No. 383,442. THE PEERTEX CORPORATION, Atlantic City, N. J. Filed Sept. 19, 1936.



The picture is fanciful.
For Hosiery and Ladies' Silk Underwear.
Claims use since Mar. 1, 1936.

Ser. No. 383,863. KATIE M. QUINN, doing business as The Kaytees Mfg. Co., Crisfield, Md. Filed Oct. 3, 1936.

KAYTEES

For Babies' Diaper Suspenders.
Claims use since Mar. 1, 1935.

Ser. No. 384,209. HACK SHOE COMPANY, Detroit, Mich. Filed Oct. 10, 1936.

THE HACK-O-PEDIC SHOE

The word "Shoes" is disclaimed apart from the mark as shown.
For Foot Wear and Particularly for Shoes Made of Leather, of Fabric and Rubber, of Leather and Fabric, and of Leather, Fabric, and Rubber.
Claims use since Mar. 2, 1926.

Ser. No. 384,273. THE STROUSS-HIRSHBERG COMPANY, Youngstown, Ohio. Filed Oct. 12, 1936.

Stride Eze

The word "Eze" is disclaimed except as shown.
For Women's Shoes Made of Leather, Rubber, and Fabric, and Combinations of Those Materials.
Claims use since Aug. 31, 1936.

Ser. No. 384,538. NATHAN KUSHMAN, doing business as Milan Sportswear Company, New York, N. Y. Filed Oct. 19, 1936.

TWINLETTS

For Sportswear—Namely, Dresses, Skirts, Blouses, Sweaters for Women and Misses.
Claims use since Sept. 14, 1936.

Ser. No. 384,558. KENNETH ROMIG, Evanston, Ill. Filed Oct. 19, 1936.



The representation of a shoe is disclaimed except as shown.
For Shoes of Leather, Rubber, and Fabric, and Combinations of Those Materials.
Claims use since May 1, 1936.

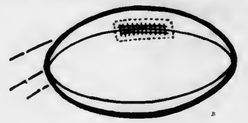
Ser. No. 384,907. FELIX SAFIAN, New York, N. Y. Filed Oct. 28, 1936.

AIRMODES

The word "Modes" is disclaimed apart from the mark as shown.
For Men's, Women's, Young Ladies', and Children's Dresses, Coats, and Suits.
Claims use since August, 1936.

Ser. No. 385,210. BUFFALO FAULTLESS PANTS CO. INC., Buffalo, N. Y. Filed Nov. 6, 1936.

THE All American Line



For Men's and Boys' Trousers, Pants, Knee-Pants, Knickerbockers, Trunks, Shorts, and Suits.
Claims use since Oct. 1, 1935.

Ser. No. 385,245. D. ARMSTRONG & COMPANY, INC., Rochester, N. Y. Filed Nov. 7, 1936.



For Shoes Principally of Leather, Shoes Principally of Fabric, and Shoes of a Combination of Leather and Fabric.
Claims use since March, 1936.

Ser. No. 385,464. IRWILL KNITWEAR CORP., New York, N. Y. Filed Nov. 14, 1936.

Mode-Luna

The word "Mode" apart from the mark as shown is disclaimed.

For Sportswear—Namely, Sweaters, Blouses, Skirts, and Suits for Women and Children.

Claims use since June 15, 1936.

Ser. No. 385,572. FRACKVILLE M'FG. COMPANY, INC., New York, N. Y. Filed Nov. 16, 1936.



For Men's Pajamas, Outer Shirts, and Underwear, Nightshirts.

Claims use since 1932.

Ser. No. 385,731. THE H. W. GOSSARD CO., Chicago, Ill. Filed Nov. 19, 1936.

Dream-Spun

The word "Spun" is disclaimed apart from the mark as shown.

For Corsets, Girdles, Brassières, Combination Corsets and Brassières, Step-In Corsets, Panties, and Bathing Suits.

Claims use since Oct. 29, 1936.

Ser. No. 385,801. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Nov. 20, 1936.

Highland Shaggie

The word "Shaggie" is disclaimed apart from the mark as shown.

For Women's Wearing Apparel—Namely, Coats and Suits.

Claims use since Nov. 6, 1936.

Ser. No. 385,916. U. S. MAIL ORDER COMPANY, INC., Wilmington, Del. Filed Nov. 23, 1936.

U-ESS



For Men's and Boys' Outer and Under Shirts, Pajamas, and Drawers.

Claims use since Oct. 30, 1936.

Ser. No. 386,025. W. T. GRANT COMPANY, New York, N. Y. Filed Nov. 27, 1936.

Seamont

For Men's Shorts.

Claims use since Sept. 2, 1936.

Ser. No. 386,030. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y. Filed Nov. 27, 1936.

Cuddl'form

For Slips.

Claims use since Nov. 18, 1936.

Ser. No. 386,031. THE JUVENILE SHOE CORPORATION OF AMERICA, Aurora and St. Louis, Mo. Filed Nov. 27, 1936.

Happy Steppers
KEEP YOUR FEET YOUNG

For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.

Claims use since Nov. 1, 1936.

Ser. No. 386,044. PASADENA SLIPPER COMPANY, INC., Pasadena, Calif. Filed Nov. 27, 1936.

COOL-EES

For Shoes Made of Leather, Fabric, or a Combination of Leather and Fabric.

Claims use since Nov. 10, 1936.

Ser. No. 386,167. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Dec. 1, 1936.

NICKY

For Sweat Shirts, Polo Shirts, Jackets, Undershirts, Outershirts, Play Suits, Sweaters, Beach Robes, Slacks, Shorts, Beach Halters, and Beach Overalls for Men, Women, and Children.

Claims use since Nov. 19, 1936.

Ser. No. 386,254. L. HIRSCH & SONS, INC., Brooklyn, N. Y. Filed Dec. 3, 1936.

TWIN-O-FORM
WRAP

The word "Wrap" is disclaimed apart from the mark.

For Wrap-Around Dresses.

Claims use since Nov. 14, 1936.

Ser. No. 386,256. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Dec. 3, 1936.

Tuckies

For Pajamas for Women.

Claims use since July 24, 1936.

Ser. No. 386,257. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Dec. 3, 1936.

Nappers

For Pajamas for Women.

Claims use since July 24, 1936.

Ser. No. 386,313. MAX MATUSOW, doing business as The Matusow Mfg. Co., Philadelphia, Pa. Filed Dec. 4, 1936.



For Boys' and Young Men's Trousers, Shorts, Knickers, and Suits.

Claims use since June, 1920.

Ser. No. 386,547. MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y. Filed Dec. 9, 1936.

"CHIVERENE"

For Men's Neckties and Mufflers.

Claims use since Dec. 5, 1936.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 384,695. AMERICAN FINDINGS MANUFACTURING COMPANY, Indianapolis, Ind. Filed Oct. 20, 1936.

BAKBONE

For Shoe Horns Not Made of Precious Metal.

Claims use since Sept. 1, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 385,182. FILATEX CORPORATION, New York, N. Y. Filed Nov. 5, 1936.



For Elastic Fabrics Comprising, in Whole or in Part, Elastic Threads Formed From Rubber, Rubber Latex, and the Like, Either Covered or Uncovered.

Claims use since Oct. 27, 1936.

Ser. No. 385,588. JEAN M. LANGENIEUX, New York, N. Y. Filed Nov. 16, 1936.

BLACK PEARL

The word "Black" is disclaimed apart from the mark as shown.

For Ribbons.

Claims use since Oct. 1, 1935.

Ser. No. 385,595. MILFORD TEXTILE CORPORATION, Milford, N. H. Filed Nov. 16, 1936.



Trade-mark consists of a green and black stripe interposed on the selvage edge of the goods. No claim is made to the representation of the goods as shown.

For Fabrics in the Piece Made of Flax, Jute, or Cotton, or Combinations Thereof.

Claims use since 1925.

CLASS 43

Thread and Yarn

Ser. No. 382,941. BOTANY WORSTED MILLS, Passaic, N. J. Filed Sept. 5, 1936.

"IT'S THE TOPS"

For Yarns.

Claims use since February, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 380,327. MANFRED ABRAHAM, New York, N. Y. Filed June 27, 1936.

STEROTHERM

For Electrte Surgical Sterilizers.

Claims use since May 8, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 384,502. MARTIN D. BUCKLEY, Rochester, N. Y. Filed Oct. 19, 1936.



The word "Applejack" and the representation of a label are disclaimed.

For Apple Cider.

Claims use since Sept. 3, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 371,716. UNITED BUYERS CORPORATION, doing business as Foodcraft Products, Chicago, Ill. Filed Nov. 18, 1935.

Foodcraft

For Canned Apricots, Pitted Red Cherries, Pork and Beans, Hominy, Wheat Flour, and Coffee.

Claims use since Sept. 16, 1935.

Ser. No. 373,255. GALBAN LOBO COMPANY IMPORTING AND EXPORTING ASSOCIATION, S. A., Habana, Cuba. Filed Jan. 2, 1936.



The representation of a loaf of bread apart from the mark is disclaimed.

For Wheat Flour, Bread, Crackers, Yeast, and Malt.

Claims use since Nov. 30, 1935.

Ser. No. 383,530. JOHN D. JOHNSTON, JR., Brundidge, Ala. Filed Sept. 23, 1936.



The words "Peanut Butter" apart from the mark shown are disclaimed.

For Peanut Butter.

Claims use since July, 1930.

Ser. No. 384,276. THE TRINIDAD BEAN AND ELEVATOR COMPANY, Denver, Colo. Filed Oct. 12, 1936.



The word "Cookquick" is disclaimed apart from the mark.

For Dried Peas and Dried Beans of the Following Varieties: Limas, Pintos, Small Reds, Baby Limas, Red Kidneys, Small Whites, and Great Northerns.

Claims use since Oct. 1, 1936.

Ser. No. 384,588. C. H. GUENTHER & SON, INC., doing business as Pioneer Flour Mills, San Antonio, Tex. Filed Oct. 20, 1936.



For Wheat Flour.

Claims use since Oct. 1, 1935.

Ser. No. 385,022. AGAR PACKING & PROVISION CORPORATION, Chicago, Ill. Filed Nov. 2, 1936.



For Smoked Meats—Namely, Bacon.

Claims use since May, 1932.

Ser. No. 385,143. THE INTERSTATE RICE SALES CO., INC., Crowley, La. Filed Nov. 4, 1936.

INTERSTATE'S

Special

The word "Special" is disclaimed except as shown.

For Rice.

Claims use since May, 1934.

Ser. No. 385,306. THE A. I. ROOT COMPANY, Medina, Ohio. Filed Nov. 9, 1936.

HONEY FROST

The word "Honey" is disclaimed apart from the mark as shown.

For Specially Processed Honey.

Claims use since Oct. 1, 1936.

Ser. No. 385,437. FLORIDAGOLD CITRUS CORPORATION, Lake Alfred, Fla. Filed Nov. 12, 1936.

SEALDHEART

For Canned Citrus Fruits and Canned Citrus Juices for Food Purposes.

Claims use since Oct. 26, 1915, on said fruits; since Dec. 9, 1933, on said juices.

Ser. No. 385,439. HAVANA PINEAPPLE COMPANY, S. A., Habana, Cuba. Filed Nov. 12, 1936.

Havapine

For Canned Pineapple.

Claims use since May 1, 1934.

Ser. No. 385,613. VITA-FRESH DOG FOOD CORP., Long Island City, N. Y. Filed Nov. 16, 1936.



The words "Best", "The Modern Balanced", "Dog Food", and "Contains Vitamins A-B-D-E-G" are disclaimed apart from the mark as shown.

For Dog Food.

Claims use since Nov. 2, 1936.

Ser. No. 385,828. CLOVER FARM STORES CORPORATION, doing business as Clover Farm Stores, Cleveland, Ohio. Filed Nov. 21, 1936.

BEST O' LUCK

For Wheat Flour.
Claims use since Dec. 1, 1935.

Ser. No. 386,114. WALTER H. JOHNSON CANDY COMPANY, Chicago, Ill. Filed Nov. 30, 1936.

POWER HOUSE

For Candy.
Claims use since Aug. 28, 1934.

Ser. No. 386,418. EDINBURG CITRUS ASSOCIATION, Edinburg, Tex. Filed Dec. 7, 1936.

WILD MAN

For Fresh Citrus Fruits.
Claims use since Oct. 1, 1936.

Ser. No. 386,425. FRED G. HILVERT CO., INC., Phoenix, Ariz. Filed Dec. 7, 1936.

JET

For Fresh Vegetables, Cantaloupes, and Honeydew Melons.
Claims use since July 1, 1936.

CLASS 47

Wines

Ser. No. 384,186. NICHIBEI SHUZO KABUSHIKI KAISHA, LTD., Hilo, Hawaii. Filed Oct. 9, 1936.



KOKUSUI

The Japanese characters represent the word "Kokusui", which means in English "The essence of the country".
For Sake.
Claims use since Mar. 6, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 379,512. LOUIS ECKERT BREWING COMPANY, Los Angeles, Calif. Filed June 10, 1936.

CHAPULTEPEC

For Beer.
Claims use since May 6, 1936.

Ser. No. 380,073. THE OERTEL COMPANY, INCORPORATED, Louisville, Ky. Filed June 22, 1936.



For Ale.
Claims use since Apr. 25, 1936.

Ser. No. 383,722. THE CHRIST. DIEHL BREWING COMPANY, Defiance, Ohio. Filed Sept. 28, 1936. Under 10-year proviso.

THE CHRIST. DIEHL BREWING COMPANY TRADE MARK DEFIANCE, OHIO.

The words "Trade Mark" are disclaimed.
For Beer.
Claims use since July 1, 1893.

Ser. No. 384,455. FREE STATE BREWERY CORPORATION, Baltimore, Md. Filed Oct. 17, 1936.

Free State

HALF & HALF

The words "Half & Half" are disclaimed except as shown. The drawing is lined for yellow, black, and red.
For Malt Beverage Comprising a Mixture of Beer and Ale.
Claims use since Aug. 27, 1936.

Ser. No. 386,774. PILSER BREWING COMPANY, INC., New York, N. Y. Filed Dec. 15, 1936.

Pilsers ORIGINAL

The word "Original" apart from the mark shown is disclaimed.
For Beer.
Claims use since Oct. 23, 1933.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 382,625. FIBRE LEATHER MANUFACTURING CORPORATION, New Bedford, Mass. Filed Aug. 27, 1936.

BARKHYDE

For Composition Leather.
Claims use since Jan. 22, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 2, 1937

342,805. BEER. ARIZONA BREWING COMPANY, Phoenix, Ariz.
Filed September 28, 1936. Serial No. 383,712. PUBLISHED NOVEMBER 24, 1936. Class 48.

342,806. CHEESE FLAVORED EXPANDED CEREALS. CEREAL CONFECTION PRODUCTS COMPANY, Washington Court House, Ohio.
Filed July 29, 1936. Serial No. 381,556. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,807. ASTRINGENT, ANTISEPTIC VERMIFUGE FOR TREATMENT OF DISORDERS OF POULTRY SUCH AS COCCIDIOSIS, FOWL CHOLERA, ETC. WALTER J. CLEVELAND, doing business as Cleveland Laboratories, Bellflower, Calif.
Filed August 8, 1936. Serial No. 381,933. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,808. CHEMICAL PREPARATION FOR A BLEACH, GERMICIDE, DISINFECTANT, AND CLEANSER. JAMES CODISPOTI, doing business as Codi Laboratories Co., Pittsburgh, Pa.
Filed September 28, 1936. Serial No. 383,719. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,809. WHEAT FLOUR. COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex.
Filed October 5, 1936. Serial No. 383,985. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,810. CONTAINERS AND PARTS THEREOF AND CLOSURES THEREFOR MOLDED IN WHOLE OR IN PART FROM MATERIALS OF THE SYNTHETIC RESIN CLASS. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn.
Filed September 24, 1936. Serial No. 383,570. PUBLISHED NOVEMBER 17, 1936. Class 2.

342,811. BOTTLE WASHING COMPOUND, GENERALLY USED IN SOLID FORM. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed September 28, 1936. Serial No. 383,726. PUBLISHED NOVEMBER 24, 1936. Class 4.

342,812. SHAVING CREAM. JOSEPH DONNER, doing business as Thoroughbred Pharmacal Company, Chicago, Ill.
Filed July 27, 1936. Serial No. 381,477. PUBLISHED NOVEMBER 24, 1936. Class 4.

342,813. JELLIES. DUFFY MOTT CO., INC., New York, N. Y.
Filed October 6, 1936. Serial No. 384,044. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,814. COIN CONTROLLED AMUSEMENT APPARATUS. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed October 2, 1936. Serial No. 383,879. PUBLISHED NOVEMBER 17, 1936. Class 22.

342,815. AUTOMOBILE STORAGE BATTERIES. FEDERAL STORAGE BATTERY CO., Chicago, Ill.
Filed April 29, 1936. Serial No. 377,786. PUBLISHED NOVEMBER 24, 1936. Class 21.

342,816. MALTLESS CHOCOLATE POWDER USED AS A DESSERT. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed October 2, 1936. Serial No. 383,881. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,817. CARTOON AND COMIC STRIPS. REUBEN L. (RUBE) GOLDBERG, New York, N. Y.
Filed September 23, 1936. Serial No. 383,527. PUBLISHED NOVEMBER 24, 1936. Class 38.

342,818. PERIODICAL PUBLICATION. GULF OIL CORPORATION, Pittsburgh, Pa.
Filed September 1, 1936. Serial No. 382,792. PUBLISHED NOVEMBER 17, 1936. Class 38.

342,819. GOLF BALLS. PRESTON HERBERT, JR., White Plains, N. Y.
Filed August 11, 1936. Serial No. 382,055. PUBLISHED NOVEMBER 24, 1936. Class 22.

342,820. CONCENTRATED BEVERAGES, NONALCOHOLIC, IN SYRUP FORM. HEWLETT BROS. COMPANY, Salt Lake City, Utah.
Filed August 29, 1936. Serial No. 382,718. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,821. REFRIGERATED DISPLAY CASES; REFRIGERATORS, INCLUDING WALK-IN REFRIGERATORS, REACH-IN REFRIGERATORS, WALL TYPE REFRIGERATORS, FLORIST REFRIGERATORS; COLD STORAGE DOORS. C. V. HILL & COMPANY, INC., Trenton, N. J.
Filed August 11, 1936. Serial No. 382,056. PUBLISHED NOVEMBER 24, 1936. Class 31.

342,822. HONEY. HONEY PACKERS, INC., New York, N. Y.
Filed April 17, 1936. Serial No. 377,308. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,823. PERIODICAL. INSTITUTIONAL PUBLICATIONS, INC., Chicago, Ill.
Filed September 25, 1936. Serial No. 383,624. PUBLISHED NOVEMBER 24, 1936. Class 38.

342,824. MILK, ICE CREAM, AND DAIRY PRODUCTS—NAMELY, COTTAGE CHEESE AND BUTTER. IOWANA FARMS MILK CO., Bettendorf, Iowa.
Filed July 31, 1936. Serial No. 381,673. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,825. LAUNDRY WASHING MACHINES. ROBERT B. LAPORTE, Peoria, Ill.
Filed October 2, 1936. Serial No. 383,887. PUBLISHED NOVEMBER 24, 1936. Class 24.

342,826. CANNED VEGETABLES FOR SOUP AND BROTH. LIFEX FOOD PRODUCTS COMPANY, New York, N. Y.
Filed March 26, 1936. Serial No. 376,436. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,827. NON-ALCOHOLIC, MALTLESS BEVERAGES. JOHN LOUIS, Mount Vernon, Ill.
Filed September 30, 1936. Serial No. 383,812. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,828. FRESH LETTUCE. F. T. MCELROY, doing business as F. T. McElroy Company, Phoenix, Ariz.
Filed March 27, 1936. Serial No. 376,480. PUBLISHED JUNE 16, 1936. Class 46.

342,829. DOUGHNUTS. HERBERT E. MEILSTRUP, doing business as Do-Knots, Los Angeles, Calif.
Filed May 12, 1936. Serial No. 378,370. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,830. WIRE. NORTHWESTERN BARB WIRE COMPANY, Sterling, Ill.
Filed September 23, 1936. Serial No. 383,541. PUBLISHED NOVEMBER 17, 1936. Class 14.

342,831. WIRE. NORTHWESTERN BARB WIRE COMPANY, Sterling, Ill.
Filed September 23, 1936. Serial No. 383,543. PUBLISHED NOVEMBER 17, 1936. Class 14.

342,832. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. NUSSBAUM LIQUOR STORE, INC., New York, N. Y.
Filed August 13, 1936. Serial No. 382,133. PUBLISHED NOVEMBER 10, 1936. Class 49.

342,833. FRESH APPLES. PACIFIC NORTHWEST FRUITS, INC., Yakima, Wash.
Filed July 29, 1936. Serial No. 381,546. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,834. FRESH APPLES AND PEARS. PACIFIC NORTHWEST FRUITS, INC., Yakima, Wash.
Filed August 5, 1936. Serial No. 381,859. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,835. WINES. JOHANNES A. PETERSEN & CO., Hamburg, Germany.
Filed October 14, 1933. Serial No. 342,489. PUBLISHED NOVEMBER 24, 1936. Class 47.

342,836. WINES. JOHANNES A. PETERSEN & CO., Hamburg, Germany.
Filed February 3, 1934. Serial No. 346,924. PUBLISHED NOVEMBER 24, 1936. Class 47.

342,837. WINES. JOHANNES A. PETERSEN & CO., Hamburg, Germany.
Filed February 3, 1934. Serial No. 346,925. PUBLISHED NOVEMBER 24, 1936. Class 47.

342,838. TELESCOPIC TAPS AND COCKS FOR CONTAINERS. PHILLIPS TELESCOPIC TAPS LIMITED, London, England.
Filed May 8, 1936. Serial No. 378,227. PUBLISHED NOVEMBER 24, 1936. Class 13.

342,839. OIL BURNERS. PIONEER MANUFACTURING COMPANY, Cedar Rapids, Iowa.
Filed March 23, 1936. Serial No. 376,301. PUBLISHED NOVEMBER 24, 1936. Class 34.

342,840. SHEETS AND PILLOW CASES. SACHS BROTHERS, New York, N. Y.
Filed September 30, 1936. Serial No. 383,823. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,841. MONTHLY PUBLICATION. SCHENLEY RESEARCH INSTITUTE, INC., New York, N. Y.
Filed September 21, 1936. Serial No. 383,487. PUBLISHED NOVEMBER 24, 1936. Class 38.

342,842. CARPET AND OTHER TACKS. THE SHELTON TACK COMPANY, Shelton, Conn.
Filed March 27, 1936. Serial No. 376,500. PUBLISHED NOVEMBER 24, 1936. Class 13.

342,843. MEDICATED SOAP. STENTON LABORATORIES, INC., Philadelphia, Pa.
Filed September 24, 1936. Serial No. 383,602. PUBLISHED NOVEMBER 24, 1936. Class 4.

342,844. ELECTRIC LAMP BULBS. FRANK SULLIVAN, doing business as Marvel Lamp Manufacturing Company, Hoboken, N. J.
Filed June 15, 1934. Serial No. 352,749. PUBLISHED NOVEMBER 24, 1936. Class 21.

342,845. NET CONTAINERS FOR USE IN LAUNDRY ESTABLISHMENTS. TINGUE, BROWN & CO., New York, N. Y.
Filed October 2, 1936. Serial No. 383,904. PUBLISHED NOVEMBER 17, 1936. Class 24.

342,846. TRANSPARENT CELLULOSE BAGS AND OTHER PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed October 5, 1936. Serial No. 384,018. PUBLISHED NOVEMBER 24, 1936. Class 2.

342,847. BOARD GAME PLAYED WITH CARDS AND MOVABLE PIECES. WEALTH, UNLIMITED, Narberth, Pa.
Filed October 5, 1936. Serial No. 384,021. PUBLISHED NOVEMBER 24, 1936. Class 22.

342,848. FRESH APPLES. APPALACHIAN APPLES, INC., Martinsburg, W. Va.
Filed September 16, 1936. Serial No. 383,291. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,849. BRASS, COPPER, BRONZE, GERMAN-SILVER AND ZINC PLATES AND COPPER AND ZINC ENGRAVERS PLATES AND PHOTOENGRAVERS COPPER AND ZINC. ATLANTIC ZINC WORKS, INC., Brooklyn, N. Y.
Filed September 16, 1936. Serial No. 383,292. PUBLISHED NOVEMBER 17, 1936. Class 14.

342,850. CANDY. BARRICINI, INC., Long Island City, N. Y.
Filed June 30, 1936. Serial No. 380,435. PUBLISHED SEPTEMBER 8, 1936. Class 46.

342,851. DEODORANT CREAM. JOSEPH B. BENDER, doing business as Benco Products, New York, N. Y.
Filed June 16, 1936. Serial No. 379,922. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,852. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed June 13, 1935. Serial No. 366,137. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,853. COFFEE, TEA, SPICES, FOOD FLAVORING EXTRACTS, BAKING POWDER, CHOCOLATE, MUSTARD. BOYD TEA COMPANY, doing business as Boyd T Company, Portland, Oreg.
Filed May 14, 1936. Serial No. 378,423. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,854. NEWSPAPER COMIC STRIP. LOY BYRNES, New York, N. Y.
Filed August 21, 1936. Serial No. 382,421. PUBLISHED NOVEMBER 17, 1936. Class 38.

342,855. CARD GAME. LAURENCE T. DARRIN, Philadelphia, Pa.
Filed September 12, 1936. Serial No. 383,161. PUBLISHED NOVEMBER 24, 1936. Class 22.

342,856. PATE DE FOIES GRAS. FABRIQUE DE PATES DE FOIES GRAS EDOUARD ARTZNER, Strasbourg, France.
Filed June 30, 1936. Serial No. 380,448. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,857. PAPER DISPENSING CARTONS. FEDERATED MILLS, INC., New York, N. Y.
Filed September 16, 1936. Serial No. 383,299. PUBLISHED NOVEMBER 17, 1936. Class 2.

342,858. FIREARMS AND AMMUNITION. THE "5" SPOT SHORT RANGE GUN CLUBS OF AMERICA, INC., Toledo, Ohio.
Filed August 20, 1936. Serial No. 382,386. PUBLISHED NOVEMBER 24, 1936. Class 9.

342,859. MAYONNAISE, SALAD DRESSING, COOKED CHICKEN, CANNED SOUPS OF ALL KINDS, COOKED TURKEY, NOODLES, SANDWICH BREAD, CANNED SPAGHETTI, RAVIOLA, CHOP SUEY, CHICKEN À LA KING, CHICKEN AND NOODLES, CHICKEN SANDWICH SPREAD. M. L. GRAHAM, Seattle, Wash.
Filed June 30, 1936. Serial No. 380,453. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,860. BREAD. GROCERS BAKING COMPANY, INCORPORATED, Louisville, Ky.
Filed June 26, 1935. Serial No. 366,659. PUBLISHED SEPTEMBER 17, 1935. Class 46.

342,861. LAXATIVES. FREDERICK HOELZEL, Chicago, Ill., assignor to Falk-Baxter, Inc., Chicago, Ill.
Filed May 29, 1936. Serial No. 379,048. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,862. PERIODICAL PUBLISHED MONTHLY. THE IRISH REVIEW, INC., New York, N. Y.
Filed September 14, 1936. Serial No. 383,211. PUBLISHED NOVEMBER 24, 1936. Class 38.

342,863. FRESH CITRUS FRUITS. R. D. KEENE, INC., Winter Garden, Fla.
Filed September 16, 1936. Serial No. 383,312. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,864. FRESH CITRUS FRUITS. R. D. KEENE, INC., Winter Garden, Fla.
Filed September 16, 1936. Serial No. 383,313. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,865. READY MIXED PAINTS, VARNISHES, ENAMEL PAINT, PASTE PAINTS, PAINT IN POWDER FORM, PAINT COLORS AND SIZINGS FOR PAINTERS' USE IN CONNECTION WITH PAINTS. THE KOR-KOR PAINT COMPANY, Grand Rapids, Mich.
Filed September 8, 1936. Serial No. 383,194. PUBLISHED NOVEMBER 17, 1936. Class 16.

342,866. FRUIT JUICES AND FLAVORING EXTRACTS FOR ALCOHOLIC LIQUORS. MIL-HONE PRODUCTS Co., New York, N. Y.
Filed August 21, 1936. Serial No. 382,437. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,867. FRUIT JUICES AND FLAVORING EXTRACTS FOR ALCOHOLIC LIQUORS. MIL-HONE PRODUCTS Co., New York, N. Y.
Filed August 21, 1936. Serial No. 382,438. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,868. FRUIT JUICES AND FLAVORING EXTRACTS FOR ALCOHOLIC LIQUORS. MIL-HONE PRODUCTS Co., New York, N. Y.
Filed August 21, 1936. Serial No. 382,440. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,869. VISCID COMPOUNDS FOR USE IN GLAZING, CALKING, AND POINTING. THE PARR PAINT & COLOR CO., Cleveland, Ohio.
Filed June 23, 1936. Serial No. 380,122. PUBLISHED NOVEMBER 24, 1936. Class 12.

342,870. OIL SHAMPOO. ROCHELLE PRODUCTS, Brooklyn, N. Y.
Filed September 12, 1936. Serial No. 383,180. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,871. BRONCHIAL INHALANT, COLD TABLETS, NASAL SPRAY, LIVER TABLETS, AND BRONCHITIC TONICS. DAVID ROSSLAW, doing business as Kings Chemical Products Company, Los Angeles, Calif.
Filed August 14, 1936. Serial No. 382,177. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,872. ALLOYS FOR ARTIFICIAL DENTURES, ARTIFICIAL DENTURES, DENTAL BRIDGES, DENTAL POLISHING WHEELS, DENTAL GRINDING WHEELS, ETC. SODY AND MEYER J. SALABES, doing business as Salabes Laboratories, Baltimore, Md.
Filed August 17, 1936. Serial No. 382,282. PUBLISHED NOVEMBER 24, 1936. Class 44.

342,873. PIECE GOODS MADE OF WOOL, COTTON, RAYON, SILK, ARTIFICIAL SILK, ARTIFICIAL FIBERS, AND COMBINATIONS OF THE SAME. SIEGEL BROS. KIKI MAID COATS INC., New York, N. Y.
Filed September 14, 1936. Serial No. 383,233. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,874. PAINT ENAMELS, VARNISHES, PAINT PRIMERS, AND PAINT THINNERS. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed June 6, 1936. Serial No. 379,403. PUBLISHED NOVEMBER 17, 1936. Class 16.

342,875. ARTIFICIAL ABRADING, LAPPING, AND POLISHING GRAINS AND POWDERS, ABRADING WHEELS, ABRADING PAPERS, ABRADING CLOTHS, ABRADING STONES, POLISHING STONES, SILICON CARBIDE. SPOJENÉ ZÁVODY PRO VÝROBU KARBORUNDA A ELEKTRITU AKCIOVÁ SPOLEČNOST (UNITED CARBORUNDUM AND ELECTRITE WORKS CO.), Nove Benatky, Czechoslovakia.
Filed August 4, 1936. Serial No. 381,824. PUBLISHED NOVEMBER 24, 1936. Class 4.

342,876. ICE CREAM. BARNET L. STEIN, Chicago, Ill.
Filed September 11, 1936. Serial No. 383,144. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,877. SOLVENTS FOR REMOVING OIL, TAR, PAINT, AND THE LIKE. STERLING PRODUCTS COMPANY, Easton, Pa.
Filed September 16, 1936. Serial No. 383,330. PUBLISHED NOVEMBER 24, 1936. Class 4.

342,878. CANNED TUNA FLAKES, BONITA, AND YELLOWTAIL. SUN HARBOR PACKING CORP., San Diego, Calif.
Filed September 12, 1936. Serial No. 383,187. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,879. CANNED FISH. SUN HARBOR PACKING CORP., San Diego, Calif.
Filed September 12, 1936. Serial No. 383,186. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,880. SOYA FLOUR FOR BAKING PURPOSES. SUPERIOR BRANDS INC., Jersey City, N. J.
Filed June 4, 1936. Serial No. 379,281. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,881. DRIED FERMENTED MOLASSES YEAST PRODUCT USED AS A POULTRY AND LIVESTOCK FEED SUPPLEMENT. U. S. INDUSTRIAL ALCOHOL Co., New York, N. Y.
Filed September 15, 1936. Serial No. 383,276. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,882. OLIVES, FRUIT PRESERVES, JELLIES, HONEY, ORANGE MARMALADE, PEANUT BUTTER, APPLE BUTTER, PICKLES, TOMATO CATSUP, CHILI SAUCE, MAYONNAISE, SALAD DRESSING, AND SANDWICH SPREAD. THE WEIDEMAN COMPANY, Cleveland, Ohio.
Filed August 15, 1936. Serial No. 382,252. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,883. BEVERAGES OF THE NON-ALCOHOLIC, MALTLESS VARIETY—NAMELY, SODA WATERS OF ALL FLAVORS, GINGER ALES, SELTZER WATERS, LITHIA WATERS, AND CONCOCTIONS OF SYRUP AND WATER. WELLSTON BOTTLING WORKS, INC., St. Louis, Mo.
Filed September 10, 1936. Serial No. 383,114. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,884. DESERT CLOTH IN THE PIECE MADE FROM COTTON OR COTTON AND RAYON OSNABURG. WINNE & SUTCH COMPANY, Los Angeles, Calif.
Filed August 14, 1936. Serial No. 382,192. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,885. PREPARATION FOR CATARRH OF THE STOMACH, CHRONIC CONSTIPATION, INDIGESTION, ACTING ON THE BOWELS AS A LAXATIVE TONIC, AIDING THE LIVER AND KIDNEYS, ENRICHING THE BLOOD, INCREASING THE APPETITE, AND ASSISTING IN BUILDING UP THE SYSTEM. DAVID WRÓBLEWSKI, doing business as D. Wróblewski & Co., Brooklyn, N. Y.
Filed August 15, 1936. Serial No. 382,255. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,886. CLOTH GARMENT BAGS AND CLOTH SHOE BAGS. AL-LON MANUFACTURING CO., INC., Baltimore, Md.
Filed September 10, 1936. Serial No. 383,081. PUBLISHED NOVEMBER 24, 1936. Class 2.

342,887. PETROLEUM PRODUCTS—NAMELY, BENZINE, GASOLINE, KEROSENE, MINERAL OIL, WAXES, LUBRICATING OILS, AND GREASES. CITIES SERVICE OIL COMPANY, Dover, Del., and Chicago, Ill.
Filed July 18, 1936. Serial No. 381,151. PUBLISHED NOVEMBER 24, 1936. Class 15.

342,888. BOOKS, CIRCULARS, ADVERTISING MATTER, AND THE LIKE, SOLD AS SUCH TO THE TRADE AND ISSUED FROM TIME TO TIME. ASHTON BUDD COLLINS, Birmingham, Ala.
Filed July 3, 1936. Serial No. 380,552. PUBLISHED NOVEMBER 17, 1936. Class 38.

342,889. BUILDING BRICK UNITS. THE CONCRETE EQUIPMENT COMPANY, Holland, Mich.
Filed September 8, 1936. Serial No. 383,006. PUBLISHED NOVEMBER 24, 1936. Class 12.

342,890. PREPARED PIE-CRUST. CONTINENTAL MILLS, INC., Seattle, Wash.
Filed November 26, 1935. Serial No. 372,188. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,891. FELT PAPER FOR USE IN BUILDING CONSTRUCTION. NEWTON P. EASLING, Pekin, Ill.
Filed September 10, 1936. Serial No. 383,088. PUBLISHED NOVEMBER 17, 1936. Class 12.

342,892. DENTIFRICES, DENTAL POWDERS, AND DENTAL CREAMS; LOTIONS, OINTMENTS, CREAMS, JELLIES, SALVES, AND POWDERS FOR THE SKIN, HAIR, AND SCALP; ETC. JEROME W. EPHRAIM, INC., New York, N. Y.
Filed January 8, 1936. Serial No. 373,443. PUBLISHED NOVEMBER 3, 1936. Class 6.

342,893. ALE. FREE STATE BREWERY CORPORATION, Baltimore, Md.
Filed September 9, 1936. Serial No. 383,057. PUBLISHED NOVEMBER 24, 1936. Class 48.

342,894. LUBRICATING OILS AND GREASES AND GASOLINE. GLADEE OIL COMPANY, INCORPORATED, Detroit, Mich.
Filed August 28, 1935. Serial No. 368,777. PUBLISHED NOVEMBER 24, 1936. Class 15.

342,895. SHELLED AND UNSHELLED NUTS, RICE, AND DRIED VEGETABLES. THE GRAHAM CO. INC., New York, N. Y.
Filed February 11, 1936. Serial No. 374,714. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,896. POWDER PUFFS. HOLLYWOOD POWDER PUFF Co. INC., Brooklyn, N. Y.
Filed September 9, 1936. Serial No. 383,059. PUBLISHED NOVEMBER 17, 1936. Class 29.

342,897. SHAMPOO, DEODORANT, AND ANTISEPTIC, CATNIP BALLS, AND SULPHO-SALVE. HUMANE SOCIETY OF BALTIMORE COUNTY, Pikesville, Md.
Filed September 10, 1936. Serial No. 383,096. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,898. PERIODICAL. THE IRON AND STEEL PUBLISHING Co., Pittsburgh, Pa.
Filed September 8, 1936. Serial No. 383,023. PUBLISHED NOVEMBER 17, 1936. Class 38.

342,899. CLEANSER FOR GENERAL HOUSEHOLD USE HAVING INCIDENTAL WATER SOFTENING PROPERTIES. G. M. LEWIS CHEMICAL COMPANY, Canton, Ohio.
Filed July 13, 1936. Serial No. 380,954. PUBLISHED NOVEMBER 17, 1936. Class 4.

342,900. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, SILK, WOOL, AND/OR COMBINATIONS THEREOF. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed January 15, 1936. Serial No. 373,696. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,901. MEDICINAL PREPARATIONS FOR DOGS, SUCH AS ECZEMA LOTION, MANGE PREPARATION, WORM CAPSULES, TONIC POWDERS, ETC. JOHN GIVEN MACFARLANE, doing business as Nu Life Remedies Co., Victoria, British Columbia, Canada.
Filed November 21, 1935. Serial No. 371,817. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,902. LUBRICATING OILS AND GREASES. THE MCALESTER FUEL COMPANY, McAlester, Okla.
Filed July 17, 1936. Serial No. 381,129. PUBLISHED NOVEMBER 24, 1936. Class 15.

342,903. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS USED IN MAKING THE SAME. CHARLES MEISEZAHL MFG. CO., New York, N. Y.
Filed July 17, 1936. Serial No. 381,129. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,904. BLANKETS OF WOOL AND OF WOOL AND COTTON. NORTH STAR WOOLEN MILL COMPANY, Minneapolis, Minn.
Filed July 29, 1935. Serial No. 367,800. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,905. SHAVING SOAP, TOILET SOAP, GLYCERINE SOAP, BATH SOAP, CREAM SOAP, LIQUID GLYCERINE SOAP, SILVER CLEANING SOAP, SHAVING STICK. LES PARFUMS CHYPRON SOCIETE ANONYME, Courbevoie/Seine, France.
Filed September 4, 1936. Serial No. 382,920. PUBLISHED NOVEMBER 24, 1936. Class 4.

342,906. EAU DE COLOGNE, LAVENDER WATER, HAIR WASHES, PERFUMES, BRILLIANTINE, DEPILATORY, SHAMPOO POWDER, HAIR OIL, MOUTH WASH, ETC. LES PARFUMS CHYPRON SOCIETE ANONYME, Courbevoie/Seine, France.
Filed September 4, 1936. Serial No. 382,921. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,907. TABLE SYRUP, MINCEMEAT, AND CANNED PORK AND BEANS. POCAHONTAS GROCER COMPANY, doing business as Pocahontas Grocery Company, Pocahontas, Ark.
Filed July 10, 1936. Serial No. 380,882. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,908. NUTS—NAMELY, SALTED PECANS, PINE NUTS, FILBERTS, WALNUT MEATS, MACADAMIA NUTS, SALTED ALMONDS, BRAZIL NUTS, SALTED PIGNOLIAS, SALTED PEANUTS, SALTED CASHEWS, PILI NUTS, SALTED PISTACHIOS, AND CHESTNUTS. MORRIS ROSENBERG, Los Angeles, Calif.
Filed July 7, 1936. Serial No. 380,717. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,909. PREPARATION FOR CLEANING, DISINFECTING AND DEODORIZING DRAIN PIPES AND GARBAGE CANS, FOR BLEACHING CLOTHES, WHICH MAY INCIDENTALLY BE USED TO CLEAN TOILET BOWLS AND TO WASH WOODWORK, WINDOWS, AND LINOLEUM. PETER SALADINO, doing business as Saladino Chemical Laboratory, Indianapolis, Ind.
Filed August 22, 1936. Serial No. 382,490. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,910. INTESTINAL LAXATIVE CONSISTING OF FINELY GROUND PURE BOTANICAL HERBS IN POWDER FORM. SCIENTIFIC FOOD PRODUCTS COMPANY, Seattle, Wash.
Filed September 1, 1936. Serial No. 382,810. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,911. BREAKFAST CEREAL. SIOUX FALLS CEREAL COMPANY, Sioux Falls, S. Dak.
Filed September 10, 1936. Serial No. 383,105. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,912. COASTER SLEDS. STANDARD NOVELTY WORKS, Duncannon, Pa.
Filed September 2, 1936. Serial No. 382,843. PUBLISHED NOVEMBER 17, 1936. Class 22.

342,913. FRESH VEGETABLES. THE LESTER STIRLING Co., Salinas, Calif.
Filed July 16, 1936. Serial No. 381,078. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,914. PRINTED PAMPHLETS, PUBLISHED FROM TIME TO TIME. M. SAYLE TAYLOR, New York, N. Y.
Filed January 28, 1936. Serial No. 374,218. PUBLISHED JUNE 30, 1936. Class 38.

342,915. ROLL ROOFING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed October 19, 1935. Serial No. 370,587. PUBLISHED NOVEMBER 24, 1936. Class 12.

342,916. PHOTOGRAPHS. UNIVERSAL FOTOSTATUE COMPANY, Fairfield, Iowa.
Filed January 2, 1936. Serial No. 373,272. PUBLISHED NOVEMBER 17, 1936. Class 38.

342,917. PAINT AND VARNISH REMOVER. VALENTINE & COMPANY, New York, N. Y.
Filed July 21, 1936. Serial No. 381,294. PUBLISHED NOVEMBER 24, 1936. Class 16.

342,918. PAINT ENAMEL. VALENTINE & COMPANY, New York, N. Y.
Filed July 21, 1936. Serial No. 381,297. PUBLISHED NOVEMBER 24, 1936. Class 16.

342,919. ACIDS AND SALTS IN COMBINED POWDERED FORM FOR FOOT BATHING. ADOLPH B. VON SYDOW, Los Angeles, Calif.
Filed August 31, 1936. Serial No. 382,780. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,920. ENZYMIC PREPARATION PRODUCED UPON AND WITHIN A CEREAL BASE FOR THE DECOMPOSITION AND CONVERSION OF STARCHES AND/OR PROTEINS, AND A PRODUCT CONTAINING SUCH PREPARATION, SUCH PREPARATION AND PRODUCT BEING EACH FOR ADMIXTURE ESPECIALLY WITH DOG AND OTHER ANIMAL AND POULTRY FOOD MATERIALS. JACQUES WOLF & COMPANY, Passaic, N. J.
Filed September 2, 1936. Serial No. 382,852. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,921. WEATHER STRIPPING AND MADE-UP PORCH AND WINDOW SCREENS. YARDLEY SCREEN AND WEATHER STRIP CORPORATION, Columbus, Ohio.
Filed September 2, 1936. Serial No. 382,853. PUBLISHED NOVEMBER 24, 1936. Class 12.

342,922. DOG FOOD. ALLIED MILLS, INC., Chicago, Ill.
Filed September 28, 1936. Serial No. 383,711. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,923. LAGER BEER. ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo.
Filed September 21, 1936. Serial No. 383,458. PUBLISHED NOVEMBER 24, 1936. Class 48.

342,924. COMPOUND CONTAINING PROCAINE BASE, BUTYL-P-AMINOBENZOATE AND BENZYL ALCOHOL IN ALMOND OIL, TO PRODUCE LOCAL ANESTHESIA BY INJECTION. ASSOCIATED PHYSICIANS LABORATORIES, LTD., San Francisco, Calif.
Filed September 5, 1936. Serial No. 382,992. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,925. GENERAL TONIC. ALFRED BERNARDINI, doing business as Hughes Pharmaceutical Laboratory, New York, N. Y.
Filed September 22, 1936. Serial No. 382,500. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,926. WOOLEN PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed September 18, 1936. Serial No. 383,384. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,927. PHARMACEUTICAL OIL FOR USE IN THE TREATMENT OF PILES. WM. L. BRISTOW LABORATORIES, San Francisco, Calif.
Filed September 18, 1936. Serial No. 383,385. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,928. HUMOROUS COLUMNS APPEARING FROM TIME TO TIME IN NEWSPAPERS. GRACE ALLEN BURNS, doing business as Gracie Allen, New York, N. Y.
Filed February 17, 1936. Serial No. 374,922. PUBLISHED NOVEMBER 24, 1936. Class 38.

342,929. BEER. CENTRAL BREWERIES, INC., East St. Louis, Ill.
Filed September 23, 1936. Serial No. 383,518. PUBLISHED NOVEMBER 24, 1936. Class 48.

342,930. PERFUMES. CORNELIA W. DAVENPORT, Philadelphia, Pa.
Filed September 24, 1936. Serial No. 383,572. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,931. BOTTLE WASHING COMPOUND, GENERALLY USED IN SOLID FORM. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed September 28, 1936. Serial No. 383,727. PUBLISHED NOVEMBER 24, 1936. Class 4.

342,932. HAIR PREPARATIONS, SKIN PREPARATIONS, DENTAL PREPARATIONS, AND NAIL PREPARATIONS. FALL & FALL, Denver, Colo.
Filed September 1, 1936. Serial No. 382,791. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,933. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 23, 1936. Serial No. 383,520. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,934. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 23, 1936. Serial No. 383,522. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,935. LUBRICATING OILS AND GREASES. GEORGIA-CAROLINA OIL COMPANY, Macon, Ga.
Filed September 28, 1936. Serial No. 383,732. PUBLISHED NOVEMBER 24, 1936. Class 15.

342,936. LITHIATED LEMON BEVERAGE, SOLD AS A SOFT DRINK, AND SIRUP AND EXTRACT FOR MAKING THE SAME. JACOB GOLDHABER, Johnstown, Pa.
Filed September 29, 1936. Serial No. 383,770. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,937. CANNED FRUITS, CANNED FRUIT JUICES FOR FOOD PURPOSES. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii.
Filed September 18, 1936. Serial No. 383,340. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,938. PREPARATIONS FOR THE HAIR—NAMELY, WAVE SET AND BRILLIANTINE. HERB-VERDI, doing business as Motif Cosmetics, San Francisco, Calif.
Filed September 21, 1936. Serial No. 383,472. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,939. STEEL GRINDING BALLS AND STEEL ROLLERS - USED FOR GRINDING MILLS. KLOECKNER STEEL CORPORATION, New York, N. Y.
Filed September 29, 1936. Serial No. 383,773. PUBLISHED NOVEMBER 24, 1936. Class 14.

342,940. EMPTY WRAPPERS AND BAGS MADE OF GLASSINE, VEGETABLE PARCHMENT, PLAIN AND/OR WAXED PAPER. JOE LOWE CORPORATION, New York, N. Y.
Filed September 24, 1936. Serial No. 383,584. PUBLISHED NOVEMBER 17, 1936. Class 2.

342,941. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. MARTIN FORD MACALPINE, Mount Clemens, Mich.
Filed September 29, 1936. Serial No. 383,775. PUBLISHED NOVEMBER 24, 1936. Class 45.

342,942. SILK AND SYNTHETIC FABRICS IN THE PIECE. MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed September 22, 1936. Serial No. 383,509. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,943. SOAP. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed September 29, 1936. Serial No. 383,777. PUBLISHED NOVEMBER 17, 1936. Class 4.

342,944. GRANULAR EFFERVESCENT ALKALINE BROMIDES FOR NERVOUS INDIGESTION, SIMPLE HEADACHE, OVER INDULGENCE, CAR, SEA, TRAIN, OR AIR SICKNESS. ONEVA CO., West Pittston, Pa.
Filed August 28, 1936. Serial No. 382,673. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,945. GLUES AND GLUE BASES. GEORGE H. OSGOOD, Tacoma, Wash.
Filed September 21, 1936. Serial No. 383,478. PUBLISHED NOVEMBER 24, 1936. Class 5.

342,946. WHEAT FLOUR AND SELF-RISING FLOUR. PARKER GROCERY COMPANY, Owensboro, Ky.
Filed September 4, 1936. Serial No. 382,927. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,947. WOOLEN PIECE GOODS. WILLIAM H. PRENDERGAST COMPANY, New York, N. Y.
Filed September 26, 1936. Serial No. 383,687. PUBLISHED NOVEMBER 24, 1936. Class 42.

342,948. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed September 25, 1936. Serial No. 383,634. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,949. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed September 25, 1936. Serial No. 383,635. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,950. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed September 25, 1936. Serial No. 383,636. PUBLISHED NOVEMBER 17, 1936. Class 46.

342,951. LADIES' HANDBAGS. R. & K. LEATHER GOODS CO., INC., New York, N. Y.
Filed September 25, 1936. Serial No. 383,648. PUBLISHED NOVEMBER 24, 1936. Class 3.

342,952. RADIO RECEIVING SETS, GENERATORS, AND STORAGE BATTERIES. REPUBLIC ELECTRIC MANUFACTURING COMPANY, Davenport, Iowa.
Filed March 5, 1936. Serial No. 375,599. PUBLISHED NOVEMBER 24, 1936. Class 21.

342,953. FOLDING IRONING TABLES. SAGINAW MANUFACTURING CO., Saginaw, Mich.
Filed September 25, 1936. Serial No. 383,646. PUBLISHED NOVEMBER 17, 1936. Class 24.

342,954. FOLDING IRONING TABLES. SAGINAW MANUFACTURING CO., Saginaw, Mich.
Filed September 25, 1936. Serial No. 383,647. PUBLISHED NOVEMBER 17, 1936. Class 24.

342,955. LUBRICATING OIL. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed September 17, 1936. Serial No. 383,372. PUBLISHED NOVEMBER 24, 1936. Class 15.

342,956. LUBRICATING OIL. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed September 19, 1936. Serial No. 383,453. PUBLISHED NOVEMBER 24, 1936. Class 15.

342,957. FLUID DRY CLEANING SOAP. STERLING PRODUCTS COMPANY, Easton, Pa.
Filed September 16, 1936. Serial No. 383,331. PUBLISHED NOVEMBER 24, 1936. Class 4.

342,958. BEER. TIVOLI BREWING COMPANY, Detroit, Mich.
Filed September 25, 1936. Serial No. 383,657. PUBLISHED NOVEMBER 24, 1936. Class 48.

342,959. SHORTENING OF BLENDED ANIMAL FATS. F. G. VOGT & SONS, INC., Philadelphia, Pa.
Filed September 5, 1936. Serial No. 382,971. PUBLISHED NOVEMBER 24, 1936. Class 46.

342,960. PAPER BAGS, PAPER BOXES, AND PAPER CONTAINERS. WALTHAM BAG & PAPER COMPANY, Waltham, Mass.
Filed September 29, 1936. Serial No. 383,791. PUBLISHED NOVEMBER 17, 1936. Class 2.

342,961. COMPOSITIONS FOR CLEANING, DRESSING, AND POLISHING SHEET MATERIALS WHICH HAVE A SMOOTH SURFACE IN THE NATURE OF SHOE LEATHER. WHITTEMORE BROS. CORP., Cambridge, Mass.
Filed September 16, 1936. Serial No. 383,339. PUBLISHED NOVEMBER 17, 1936. Class 4.

342,962. PALATABLE EMULSOID OF ALUMINUM HYDROXIDE IN DISTILLED WATER. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed September 26, 1936. Serial No. 383,695. PUBLISHED NOVEMBER 17, 1936. Class 6.

[ACT OF MARCH 19, 1920. SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

342,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KAPLAN RICE MILL, INC., Kaplan, La. Filed Nov. 4, 1936. Serial No. 385,144.

KAPLAN'S

GOLD MEDAL

For Rice.
Claims use since May, 1934.

342,964. (CLASS 12. CONSTRUCTION MATERIALS.) WESTERN CEDAR SHAKE CO., Portland, Oreg. Filed Oct. 26, 1936. Serial No. 384,829.

Nucut

For Cedar Shakes.
Claims use since September, 1933.

342,965. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SILVER SEAL PRODUCTS, INC., Plainfield, N. J. Filed Sept. 25, 1936. Serial No. 383,653.

TOM RICKEY

For Soft Drink, and for a Mixer with Gin, Rum, and Other Alcoholic Liquors.
Claims use since Dec. 19, 1930.

342,966. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORCESTER KNITTING COMPANY, Worcester, Mass., and New York, N. Y. Filed Sept. 23, 1936. Serial No. 383,557.

FLAN-L-SUEDE

For Piece Goods of Worsted Fabric, Cotton, Knitted and Woven Fabrics, Silk, Rayon, Linen, and for Fabrics Made of a Combination of Such Materials.
Claims use since January, 1935.

342,967. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ANNETTE HANDBAG CO., New York, N. Y. Filed Sept. 18, 1936. Serial No. 383,382.

"CORDE"

For Handbags.
Claims use since Mar. 1, 1931.

342,968. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KINKEAD INDUSTRIES, INC., Chicago, Ill. Filed Sept. 4, 1936. Serial No. 382,918.

TRADE PROTECT-EDGE MARK

For Metal Decorative Trim, Bindings, Edgings, Moldings, Counter and Sink Edgings and Nosings for Floors, Walls, Furniture and Their Coverings; also Stair Nosings.
Claims use since Nov. 1, 1935.

342,969. (CLASS 33. GLASSWARE.) FOURCO GLASS COMPANY, Clarksburg, W. Va. Filed July 30, 1936. Serial No. 381,609.

CLEARLITE GLASS

For Sheet Glass, Flat Glass, Plate Glass, Window Glass, Vertically Drawn Glass, and Case-Hardened Glass Sheets Known as Safety Glass.
Claims use since Dec. 1, 1935.

342,970. (CLASS 39. CLOTHING.) THE STACKS SHOE COMPANY, Cincinnati, Ohio. Filed July 7, 1936. Serial No. 380,724.

Foot Corrector RELIEF SHOE

For Shoes Made of Leather.
Claims use since Jan. 2, 1933.

342,971. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed May 27, 1936. Serial No. 378,931.

RED TOUGH — RED-TOUGH

For Steel in Bars, Billets, and Shapes.
Claims use since May 1, 1935.

342,972. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed May 27, 1936. Serial No. 378,930.

RED HARD — RED-HARD

For Steel in Bars, Billets, and Shapes.
Claims use since May 1, 1937.

342,973. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed May 27, 1936. Serial No. 378,929.

RED WEAR — RED-WEAR

For Steel in Bars, Billets, and Shapes.
Claims use since May 1, 1935.

342,974. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed May 27, 1936. Serial No. 378,928.

WATER TOUGH — WATER-TOUGH

For Steel in Bars, Billets, and Shapes.
Claims use since May 1, 1935.

342,975. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed May 27, 1936. Serial No. 378,927.

WATER HARD — WATER-HARD

For Steel in Bars, Billets, and Shapes.
Claims use since May 1, 1935.

342,976. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed May 27, 1936. Serial No. 378,926.

WATER WEAR — WATER-WEAR

For Steel in Bars, Billets, and Shapes.
Claims use since May 1, 1935

342,977. (CLASS 12. CONSTRUCTION MATERIALS.) FRANKLIN POTTERY, INCORPORATED, Lansdale, Pa., assignor to Franklin Tile Company, Lansdale, Pa., a corporation of Pennsylvania. Filed Oct. 7, 1931. Serial No. 319,813.

BRITETONE

For Wall and Floor Tiles.
Claims use since Sept. 1, 1931.

342,978. (CLASS 12. CONSTRUCTION MATERIALS.) FRANKLIN POTTERY, INCORPORATED, Lansdale, Pa., assignor to Franklin Tile Company, Lansdale, Pa., a corporation of Pennsylvania. Filed Oct. 7, 1931. Serial No. 319,814.

MOTLETONE

For Wall and Floor Tiles.
Claims use since Sept. 1, 1931.

342,979. (CLASS 12. CONSTRUCTION MATERIALS.) FRANKLIN POTTERY, INCORPORATED, Lansdale, Pa., assignor to Franklin Tile Company, Lansdale, Pa., a corporation of Pennsylvania. Filed Oct. 7, 1931. Serial No. 319,817.

CUSHINEDGE

For Wall and Floor Tiles of Ceramic Material.
Claims use since Sept. 1, 1931.

342,980. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SEAL ZIT CORPORATION, Chicago, Ill. Filed July 18, 1934. Serial No. 354,057.

Seal Zit

For Heat Insulating Packing Rings for Refrigerated Dispensing Cabinets.
Claims use since Feb. 10, 1934.

342,981. (CLASS 38. PRINTS AND PUBLICATIONS.) NEEDLECRAFT SERVICE INC., New York, N. Y. Filed Nov. 28, 1934. Serial No. 358,744.

Laura Wheeler

For Pattern Release Sheets of a Periodical Nature.
Claims use since April 10, 1933.

342,982. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) POWER TITE PISTON RING COMPANY, Los Angeles, Calif. Filed July 22, 1935. Serial No. 367,542.

POWER TITE

For Piston Packing Rings.
Claims use since May 1, 1935.

342,983. (CLASS 37. PAPER AND STATIONERY.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed Sept. 4, 1935. Serial No. 368,973.

NULINE

For Wrapping Paper.
Claims use since Aug. 26, 1935.

342,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HAMPTON CRACKER COMPANY, INC., Louisville, Ky. Filed Oct. 18, 1935. Serial No. 370,508.

HAMPTON'S TWICE BAKED

For Soda Crackers or Biscuits.
Claims use since Oct. 12, 1935.

342,985. (CLASS 15. OILS AND GREASES.) HALSTEAD PRODUCTS CO., Oakland, Calif. Filed November 25, 1935. Serial No. 371,970.

HALSTEAD

For Oils and Greases, Particularly Graphite Oil, and Oil for Blending with Crank Case Lubricants, and Oil for Treatment of Internal Combustion Engines by Introduction Into the Intake Manifold.
Claims use since Nov. 2, 1935.

342,986. (CLASS 12. CONSTRUCTION MATERIALS.) GEORGE C. WILKINS, South Windham, Maine. Filed Dec. 26, 1935. Serial No. 373,091.

STORMSHEATH

For Building Paper.
Claims use since Oct. 20, 1935.

342,987. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Dec. 28, 1935. Serial No. 373,129.

MITY NICE

For Toilet Soap.
Claims use since Dec 5, 1935.

342,988. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) W. T. GRANT COMPANY, New York, N. Y. Filed Apr. 22, 1936. Serial No. 377,508.

Lovlee

For Pearls.
Claims use since Oct. 1, 1935.

342,989. (CLASS 37. PAPER AND STATIONERY.) J. W. STEELE & CO., Kansas City, Mo. Filed May 8, 1936. Serial No. 378,245.

STEELELOX

For Garment Holding Means—Namely, Bands for Holding Garments in a Folded State and Made of Paper Material for Garment Manufacturers and Laundries.
Claims use since April, 1933.

342,990. (CLASS 37. PAPER AND STATIONERY.) J. W. STEELE & CO., Kansas City, Mo. Filed May 8, 1936. Serial No. 378,246.

"STEELE-STYLE"

For Garment Accessories for Garment Manufacturers and Laundries Comprising Bands of Paper Material for Holding Garments in a Folded State.
Claims use since January, 1935.

TRADE-MARK REGISTRATIONS RENEWED

110,045. SHORTENING COMPOUND. Registered May 2, 1916. HAUSER PACKING CO., Los Angeles, Calif. Renewed May 2, 1936, to Armour & Company, Chicago, Ill., a corporation of New Jersey, assignee.

112,695. A PARAFFIN-OIL USED IN THE TREATMENT OF CERTAIN NAMED DISEASES. Registered September 19, 1916. THE OWL DRUG COMPANY. Renewed September 19, 1936, to The Owl Drug Co., San Francisco, Calif., a corporation of Nevada, assignee.

113,746. EYEGLASSES AND SPECTACLES AND PARTS THEREOF. Registered October 31, 1916. E. KIRSTEIN SONS CO., Rochester, N. Y. Renewed October 31, 1936, to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York, assignee.

114,166. DRIED BEANS. Registered December 5, 1916. JUDSON MICHIGBEAN COMPANY, Durant, Mich. Renewed December 5, 1936, to Judson Michigbean Company, Linden, Mich., a firm.

114,264. COTTON ROPE. Registered December 5, 1916. MOUNT VERNON-WOODBERRY MILLS, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed December 5, 1936.

114,531. PREPARED MILK WITH EGG ALBUMEN. Registered December 19, 1916. NEZEN COMPANY. Renewed December 19, 1936, to Wm. A. Warehime, doing business as The Nezen Milk Food Company, Cleveland, Ohio, successor.

116,273. YARNS OF WOOL, WORSTED, OR HAIR. Registered April 24, 1917. J. AND J. BALDWIN AND PARTNERS, LIMITED. Renewed April 24, 1937, to Patons & Baldwins, Limited, Halifax, England, a British corporation, assignee.

116,374. WHISKY. Registered April 24, 1917. STEIN BROTHERS, Chicago, Ill. Renewed April 24, 1937, to Simon Levi Co. Ltd., Los Angeles, Calif., a corporation of California, assignee by mesne assignments.

116,380. AN INSECT-DESTROYING POWDER. Registered April 24, 1917. HENRY THOMAS TOMPSITT, St. Kilda, near Melbourne, Victoria, Australia. Renewed April 24, 1937, to Rocke Tompsitt and Company Proprietary Limited, Melbourne, Victoria, Australia, a corporation of Victoria, Australia, assignee.

116,436. BUTTONS. Registered May 1, 1917. LINDENHURST MANUFACTURING CO., Lindenhurst, N. Y., a corporation of New York. Renewed May 1, 1937.

116,830. TABLE-TOPS. Registered May 29, 1917. THE ENAMEL PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 29, 1937.

116,895. AN ANTISEPTIC FLOOR-DRESSING. Registered June 5, 1917. FREDERICK DISINFECTANT CO., Atlanta, Ga., a corporation of Georgia. Renewed June 5, 1937.

117,062. POULTRY FOOD. Registered June 12, 1917. RUSSIA CEMENT COMPANY, Gloucester, Mass., a corporation of Massachusetts. Renewed June 12, 1937.

LABELS

REGISTERED FEBRUARY 2, 1937

48,789.—*Title:* ACE HIGH. For New Car Polish. ACE HIGH PRODUCTS COMPANY, Los Angeles, Calif. Published March 18, 1934.

48,790.—*Title:* ADA MILLING CO. FLOUR; (BLUE AND WHITE STRIPES). For Flour. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,791.—*Title:* ADA MILLING CO. FLOUR; (BROWN, GREEN, AND WHITE VARIED SIZED BLOCKS). For Flour. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,792.—*Title:* ADA MILLING CO. FLOUR; (MULTIPLE COLORED TULIPS WITH WHITE BACKGROUND). For Flour. ADA MILLING COMPANY, Ada, Okla. PUBlished October 15, 1936.

48,793.—*Title:* ADA MILLING CO. FLOUR; (NURSERY PATTERN WITH LAVENDER BACKGROUND). For Flour. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,794.—*Title:* ADA MILLING CO. CORN MEAL; (RED DISK, BLUE CIRCLE, AND WHITE CHECKERED PATTERN). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,795.—*Title:* ADA MILLING CO. CORN MEAL; (NURSERY PATTERN WITH WHITE DOTS AND PINK BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,796.—*Title:* ADA MILLING CO. CORN MEAL; (VERY SMALL LAVENDER AND WHITE CHECKERED PATTERN). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,797.—*Title:* ADA MILLING CO. CORN MEAL; (MULTIPLE COLORED FLORAL DESIGN WITH WHITE BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,798.—*Title:* ADA MILLING CO. CORN MEAL; (MAROON AND BLUE BLOCK PATTERN WITH WHITE BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,799.—*Title:* ADA MILLING CO. CORN MEAL; (BLUE AND WHITE POLKA DOT PATTERN). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,800.—*Title:* ADA MILLING CO. FLOUR; (VARIED COLORED DICE WITH WHITE BACKGROUND). For Flour. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,801.—*Title:* ADA MILLING CO. CORN MEAL; (RED AND WHITE LEAF PATTERN WITH BLUE BACK GROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,802.—*Title:* ADA MILLING CO. FLOUR; (GRAY AND WHITE STRIPES WITH DOTS). For Flour. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,803.—*Title:* ADA MILLING CO. CORN MEAL; (RED, WHITE, AND BLUE CHECKERED PATTERN). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,804.—*Title:* ADA MILLING CO. FLOUR; (RED, WHITE, AND BLUE PLAID). For Flour. ADA MILLING COMPANY, Ada, Okla. Published October 15, 1936.

48,805.—*Title:* JOLLY TIME GIANT YELLOW POP CORN. For Pop Corn. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Published November 25, 1936.

48,806.—*Title:* RED APPLE BRAND EGGS. For Eggs. THE APPLEGATE CREAMERY, Applegate, Mich. Published November 1, 1936.

48,807.—*Title:* BAKERITE 140. For Vegetable Shortening. THE BAKERITE CORPORATION, Chicago, Ill. Published July 17, 1935.

48,808.—*Title:* BEACH-NUT VEGETARIAN BEANS. For Beans. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published December 2, 1936.

48,809.—*Title:* FELLOW FASHION CLOTHES. For Clothes. THE BLOCH COMPANY, Cleveland, Ohio. Published November 2, 1936.

48,810.—*Title:* BURRY'S DICKENS CHARACTER ASSORTMENT ENGLISH STYLE BISCUITS. For English Style Biscuits. BURRY BISCUIT CORPORATION, Linden, N. J. Published July 7, 1936.

48,811.—*Title:* IMPORTED AND DOMESTIC SMOKING MIXTURE. For Smoking Tobacco. ED C. CANNON, doing business as Mogram Smoking Mixtures, Toledo, Ohio. Published December 26, 1936.

48,812.—*Title:* CARBONA SOAPLESS HOUSEHOLD LATHER. For A Concentrated Cleaning Preparation. CARBONA PRODUCTS COMPANY, New York, N. Y. Published October 31, 1936.

48,813.—*Title:* CARBONA SOAPLESS SUDS. For A Concentrated Cleaning Preparation. CARBONA PRODUCTS COMPANY, New York, N. Y. Published October 24, 1936.

48,814.—*Title:* CERA-LAC A NATURAL FOOD WITH A LAXATIVE EFFECT. For A Prepared Food With a Laxative Effect. THE CERA-LAC COMPANY, Los Angeles, Calif. Published September 2, 1936.

48,815.—*Title:* C & G OLD RESERVE STRAIGHT BOURBON WHISKEY. For Straight Bourbon Whiskey. CHAPIN & GORE, INC., Chicago, Ill. Published January 2, 1935.

48,816.—*Title:* SGT. JIGGS—A SCIENTIFIC SHAMPOO FOR DOGS. For a Shampoo for Dogs. CHEVRON LABORATORIES, Hollis, N. Y. Published August 20, 1936.

48,817.—*Title:* PLUS. For Canned Orange Juice. CITRUS PRODUCTS, INC., Los Angeles, Calif. Published December 5, 1936.

48,818.—*Title:* THE CRAWFORD SHOE CO.-QUALITY SHOES. For Shoes. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published June 30, 1936.

48,819.—*Title:* BROWN CROCK. For Baked Beans. CONTINENTAL FOODS CORPORATION, Los Angeles, Calif. Published November 14, 1936.

48,820.—*Title:* SPECIAL IMPORTED AND DOMESTIC SMOKING BLEND. For Smoking Tobacco. CRIMSON COACH, INC., Toledo, Ohio. Published December 30, 1936.

48,821.—*Title:* GLAN-GLO. For Gland Tablets. D. F. S. LABORATORIES, INC., Spokane, Wash. Published November 4, 1936.

48,822.—*Title:* DANT CLUB. For Straight Bourbon Whiskey. DANT & HEAD DISTILLING COMPANY, INC., Louisville, Ky. Published November 16, 1936.

48,823.—*Title:* DANT SPECIAL. For Kentucky Straight Bourbon Whiskey. DANT & HEAD DISTILLING COMPANY, INC., Louisville, Ky. Published December 1, 1936.

48,824.—*Title:* DANT & HEAD RESERVE. For Kentucky Straight Bourbon Whiskey. DANT & HEAD DISTILLING COMPANY, INC., Louisville, Ky. Published December 1, 1936.

48,825.—*Title:* KLOX. For a Compound for Making a Cleaning Solution. DOMESTIC PRODUCTS, INC., Minneapolis, Minn. Published June 6, 1936.

48,826.—*Title:* TRU-MEX PREPARED CHILE COLORADO. For Red Chili Sauce. JOE I. DOMINGUEZ, doing business as Tru-Mex Products Company, El Paso, Tex. Published August 25, 1936.

48,827.—*Title:* FLEISCHER'S CONTROLLED QUALITY MERCERIZED THREAD. For Mercerized Thread. I. FLEISCHER & SONS, Cincinnati, Ohio. Published August 20, 1936.

48,828.—*Title:* KENTUCKY VAT. For Kentucky Straight Bourbon Whiskey. IVAN P. FLORSHEIM COMPANY, Chicago, Ill. Published August 28, 1936.

48,829.—*Title:* G. Q. For Canned Pears. FOOD ASSOCIATES, INC., Seattle, Wash. Published August 27, 1936.

48,830.—*Title:* SAMSON ALE. For Ale. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published November 16, 1936.

48,831.—*Title:* THRIF-T-PACK. For Apples. GAMBLE ROBINSON CO., Minneapolis, Minn. Published November 16, 1936.

48,832.—*Title:* THRIF-T-PACK. For Tomatoes. GAMBLE ROBINSON CO., Minneapolis, Minn. Published November 16, 1936.

48,833.—*Title:* THRIF-T-PACK. For Grapefruit. GAMBLE ROBINSON CO., Minneapolis, Minn. Published November 16, 1936.

48,834.—*Title:* THRIF-T-PACK. For Oranges. GAMBLE ROBINSON CO., Minneapolis, Minn. Published November 16, 1936.

48,835.—*Title:* ORANGE PEKOE TEA. For Orange Pekoe Tea. GERMANIA TEA COMPANY, Minneapolis, Minn. Published November 1, 1936.

48,836.—*Title:* GLOVER'S IMPERIAL OINTMENT FOR SARCOPTIC MANGE. For an Ointment for Sarcoptic Mange and Minor Irritations of the Skin. H. CLAY GLOVER CO., INC., New York, N. Y. Published October 15, 1936.

48,837.—*Title:* CUTE-ASEPTO POWDER. For a General Surgical Dusting Powder. HART DRUG CORPORATION, Miami, Fla. Published November 9, 1936.

48,838.—*Title:* $1000.00 GUARANTEED ENAMEL CLEANER. For a Powder for Cleaning Enameled Surfaces. B. HELLER & COMPANY, Chicago, Ill. Published December 7, 1936.

48,839.—*Title:* SENATE BEER. For Bottled Beer. CHR. HEURICH BREWING CO., Washington, D. C. Published December 1, 1936.

48,840.—*Title:* HILLS BROS. COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published November 19, 1936.

48,841.—*Title:* HEINIE'S. For Beer. HILLSBORO BREWING COMPANY, Hillsboro, Wis. Published October 15, 1936.

48,842.—*Title:* TEA-ROOM TEA. For Tea. PETER H. JACKLIN, doing business as Standard Coffee & Tea Mills, Chicago, Ill. Published March 23, 1936.

48,843.—*Title:* L. B. HAIR OIL. For Hair Oil. L. B. LABORATORIES, INC., Los Angeles, Calif. Published November 1, 1936.

48,844.—*Title:* L. B. FOAMING OIL SHAMPOO. For Shampoo. L. B. LABORATORIES, INC., Los Angeles, Calif. Published November 1, 1936.

48,845.—*Title:* L. B. PERMANENT WAVE OIL. For Permanent Wave Oil. L. B. LABORATORIES, INC., Los Angeles, Calif. Published October 20, 1936.

48,846.—*Title:* MISS U. S. A. PURS-PAK HAIR NETS. For Hair Nets. H. A. LOEB & Co., Chicago, Ill. Published October 14, 1936.

48,847.—*Title:* BIG TEN. For Straight Whiskey. SIEGFRIED LOEWENTHAL COMPANY, Cleveland, Ohio. Published September 15, 1936.

48,848.—*Title:* ASTRINGENT. For an Astringent. EDNA BRUNS LOOKER, New York, N. Y. Published October 5, 1936.

48,849.—*Title:* PAY COLA. For a Beverage. MARTIN FORD MACALPINE, doing business as The MacAlpine Company, Mount Clemens, Mich. Published November 19, 1936.

48,850.—*Title:* MAJESTIC CANS. For Cans. MAJESTIC CAN CORPORATION, Brooklyn, N. Y. Published May 2, 1935.

48,851.—*Title:* STANDARD STAPLES. For Standard Staples. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published October 30, 1936.

48,852.—*Title:* BANQUET (McCORMICK'S) ORANGE PEKOE TEA. For Orange Pekoe Tea. MCCORMICK & CO., INC., doing business as McCormick & Co., Baltimore, Md. Published April 15, 1936.

48,853.—*Title:* DRUM MAJOR. For Scotch Whisky. MCGREGOR, SCOTT & CO. LTD., Glasgow, Scotland. Published January 9, 1937.

48,854.—*Title:* MEAD'S POWDERED LACTIC ACID MILK (WHOLE MILK CULTURED). For Powdered Lactic Acid Milk. MEAD JOHNSON & COMPANY, Evansville, Ind. Published December 1, 1936.

48,855.—*Title:* HOSTESS PACKAGE. For Foods. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published August 11, 1936.

48,856.—*Title:* RADIANT E-Z WOOD. For a Plastic and Pliable Material for Repairing Picture Frames, Cracks in Woodwork, Floors, Furniture Utensils, Grafting, and Other Uses. MIDWAY CHEMICAL CO., Chicago, Ill. Published April 21, 1936.

48,857.—*Title:* THIS GARMENT IS NOT RETURNABLE AFTER USE. For Bathing Suits. NATIONAL KNITTED OUTERWEAR ASSOCIATION, New York, N. Y. Published November 4, 1936.

48,858.—*Title:* PRIDE O' PLAINS. For Butter. NEBRASKA COOPERATIVE CREAMERIES, INC., Omaha, Nebr. Published October 3, 1936.

48,859.—*Title:* SWEET GEORGIA BROWN SKIN TONIC. For Skin Tonic. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1936.

48,860.—*Title:* SWEET GEORGIA BROWN HAIR PERFUME. For Hair Perfume. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1936.

48,861.—*Title:* SWEET GEORGIA BROWN BATH OIL. For Bath Oil. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1936.

48,862.—*Title:* SWEET GEORGIA BROWN FACE POWDER. For Face Powder. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1936.

48,863.—*Title:* VAN VAN INCENSE POWDERS. For Incense Powders. MORTON G. NEUMANN, doing business as Famous Products Company, Chicago, Ill. Published July 1, 1936.

48,864.—*Title:* VALMOR FAMILY LINIMENT. For Liniment. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published July 1, 1936.

48,865.—*Title:* LUCKY BROWN COCOANUT OIL SHAMPOO. For Cocoanut Oil Shampoo. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published December 15, 1936.

48,866.—*Title:* ACAMPA. For Wines. PACIFIC CAN COMPANY, San Francisco, Calif. Published October 23, 1936.

48,867.—*Title:* PARKER-KALON MODERN FASTENING DEVICES. For Fastening Devices. PARKER-KALON CORPORATION, New York, N. Y. Published December 15, 1936.

48,868.—*Title:* MOUNDS. For Chocolate and Coconut Confection. PETER PAUL, INC., Naugatuck, Conn. Published December 1, 1936.

48,869.—*Title:* PLANTERS PEANUT JUMBO BLOCK. For Peanut Bars. PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa., and Suffolk, Va. Published October 24, 1936.

48,870.—*Title:* PROPHO—A SCIENTIFICALLY PREPARED VENEREAL DISEASE PREVENTATIVE. For a scientifically Prepared Venereal Disease Preventative. PROPHO CORPORATION, Chicago, Ill. Published August 1, 1936.

48,871.—*Title:* GOLD-N-RICH. For Cheese. PURE MILK CHEESE CO., Elgin, Ill. Published December 7, 1936.

48,872.—*Title:* GRAFIZE. For Powdered Graphite. WILLIAM L. REARDON, Peoria, Ill. Published December 10, 1935.

48,873.—*Title:* KITCHEN-PAK FRESH COMPRESSED YEAST. For Compressed Yeast. RED STAR YEAST & PRODUCTS COMPANY, Milwaukee, Wis. Published December 15, 1936.

48,874.—*Title:* AVIATION MILK FLAVORED BREAD. For Bread. ROMA BAKERY, Kansas City, Mo. Published March 17, 1936.

48,875.—*Title:* ROSE'S LIME JUICE—SWEETENED. For Lime Juice. L. ROSE & CO., LTD., Bloomfield, N. J. Published October 20, 1936.

48,876.—*Title:* MRS. RUBENSTEIN'S—READY TO SERVE. For Barley and Mushroom Soup. MRS. RUBENSTEIN'S FOOD PRODUCTS CORPORATION, Chicago, Ill. Published July 1, 1936.

48,877.—*Title:* SALERNO BUTTER KRAKERS. For Butter Crackers. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Published June 15, 1936.

48,878.—*Title:* T. W. SAMUELS STRAIGHT BOURBON WHISKEY. For Straight Bourbon Whiskey. T. W. SAMUELS DISTILLERY, INC., Deatsville, Ky., and Cincinnati, Ohio. Published November 17, 1936.

48,879.—*Title:* FIGHT FAN. For Candy Bars. SCHUTTER-JOHNSON CANDY CORPORATION, Chicago, Ill. Published September 25, 1936.

48,880.—*Title:* FISH HAWK. For Snelled Fish-Hooks. CLARENCE H. SHOFF, doing business as Shoff Fishing Tackle Co., Kent, Wash. Published September 21, 1936.

48,881.—*Title:* VIKING PERFECT. For Hollow Point Forged Snelled Fish-Hooks. CLARENCE H. SHOFF, doing business as Shoff Fishing Tackle Co., Kent, Wash. Published September 21, 1936.

48,882.—*Title:* WHOLE WHEAT. For Bread. SPAULDING BAKERIES, INCORPORATED, doing business as Spaulding Bakeries, Binghamton, N. Y. Published October 10, 1935.

48,883.—*Title:* SUPERIOR. For Mushrooms. SUPERIOR CANNING CO. INCORPORATED, Avondale, Pa. Published December 23, 1936.

48,884.—*Title:* WAGNER'S. For Mushrooms. SUPERIOR CANNING CO. INCORPORATED, Avondale, Pa. Published December 23, 1936.

48,885.—*Title:* TAYLOR'S ALL-IN-ONE SPICED SEASONING. For Spiced Seasoning for Meats and Poultry. CHARLES J. TAYLOR, Santa Monica, Calif. Published September 25, 1936.

48,886.—*Title:* NEPTER. For Dehydrated Kelp Fortified with Cod Liver Oil Vitamin. VITA PRODUCTS INC., Zeeland, Mich. Published November 10, 1936.

48,887.—*Title:* VOLCRIT. For Preparation Recommended for Treatment of Athlete's Foot and Common Ringworm Infection of Hands and Feet. ELMER O. VOLKMANN, doing business as The Volcrit Company, Milwaukee, Wis. Published October 24, 1936.

48,888.—*Title:* WASHINGTON CRAFTSMEN. For Upholstered Furniture. WASHINGTON FURNITURE MANUFACTURING COMPANY, Seattle, Wash. Published November 12, 1936.

48,889.—*Title:* CERTIFIED PRESCRIPTION. For Prescriptions. YALE DRUG CO., INC., New York, N. Y. Published January 5, 1937.

48,890.—*Title:* SUPREME QUALITY—A YALE PRODUCT. For Pure Norwegian Cod Liver Oil Fortified with Natural Vitamin D. YALE PRODUCTS INC., New York, N. Y. Published October 24, 1936.

PRINTS

REGISTERED FEBRUARY 2, 1937

16,026.—*Title:* NUTS 2U. For Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published November 20, 1936.

16,027.—*Title:* PRICE LIST ON SOME OF MY STUFF. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published November 25, 1936.

16,028.—*Title:* THE TRUTH ABOUT WALNUTS. For Walnuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published November 23, 1936.

16,029.—*Title:* COMPTODESK. For Comptometer Desks. ALBERT BALSTER, doing business as Balster and Comptodesk, Chicago, Ill. Published November 1, 1935.

16,030.—*Title:* A SOUVENIR FROM BEECH-NUT. For Foods. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 2, 1936.

16,031.—*Title:* GROW, BABY, GROW! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published December 5, 1936.

16,032.—*Title:* SLEEP TIGHT, LITTLE LADY! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published January 1, 1937.

16,033.—*Title:* LIFE HISTORY AND METAMORPHOSIS OF PLUM CURCULIO. For Arsenate of Lead Used for Peach Insect and Disease Control. GENERAL CHEMICAL COMPANY, New York, N. Y. Published April 10, 1936.

16,034.—*Title:* LIFE HISTORY AND METAMORPHOSIS OF COTTON BOLL WEEVIL. For Calcium Arsenate Used for Cotton Boll Weevil Control. GENERAL CHEMICAL COMPANY, New York, N. Y. Published May 2, 1936.

16,035.—*Title:* WINTER . . . SUMMER . . . THE WHOLE YEAR ROUND. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published November 15, 1936.

16,036.—*Title:* ENJOY THIS WRITING THRILL. For Writing Sets. GREGORY INK CO., Los Angeles, Calif. Published November 17, 1936.

16,037.—*Title:* TIMES MAY CHANGE . . . BUT FIFTY-EIGHT YEARS OF UNVARYING QUALITY LEADERSHIP IS YOUR ASSURANCE OF THIS. For Coffee. HILLS BROS., San Francisco, Calif. Published November 17, 1936.

16,038.—*Title:* TIMES MAY CHANGE . . . BUT TRUE IDEALS NEED NEVER CHANGE. For Coffee. HILLS BROS., San Francisco, Calif. Published November 10, 1936.

16,039.—*Title:* FIFTY-EIGHT YEARS AGO HILLS BROS. STARTED TO ROAST AND PACK THE FINEST COFFEE OBTAINABLE. For Coffee. HILLS BROS., San Francisco, Calif. Published November 3, 1936.

16,040.—*Title:* FOR FIFTY-EIGHT YEARS, EVER SINCE HILLS BROS. COFFEE WAS FIRST ROASTED AND PACKED. For Coffee. HILLS BROS., San Francisco, Calif. Published October 27, 1936.

16,041.—*Title:* TIMES MAY CHANGE . . . BUT FIFTY-EIGHT YEARS OF UNVARYING QUALITY LEADERSHIP IS YOUR ASSURANCE OF THIS. For Coffee. HILLS BROS., San Francisco, Calif. Published November 17, 1936.

16,042.—*Title:* TIMES MAY CHANGE . . . BUT TRUE IDEALS NEED NEVER CHANGE. For Coffee. HILLS BROS., San Francisco, Calif. Published November 10, 1936.

16,043.—*Title:* FIFTY-EIGHT YEARS AGO HILLS BROS. STARTED TO ROAST AND PACK THE FINEST COFFEE OBTAINABLE. For Coffee. HILLS BROS., San Francisco, Calif. Published November 3, 1936.

16,044.—*Title:* FOR FIFTY EIGHT YEARS HILLS BROS. HAVE STEADFASTLY MAINTAINED A TRADITION OF UNCHANGING QUALITY IN ROASTING AND PACKING. For Coffee. HILLS BROS., San Francisco, Calif. Published September 15, 1936.

16,045.—*Title:* AT THE END OF EVERY MEAL. For Coffee. HILLS BROS., San Francisco, Calif. Published September 22, 1936.

16,046.—*Title:* FOR FIFTY-EIGHT YEARS HILLS BROS. HAVE BEEN ROASTING AND PACKING THE FINEST COFFEE OBTAINABLE. For Coffee. HILLS BROS., San Francisco, Calif. Published September 29, 1936.

16,047.—*Title:* FIFTY-EIGHT YEARS AGO NEWS TRAVELED SLOWLY, BY WORD-OF-MOUTH. For Coffee. HILLS BROS., San Francisco, Calif. Published October 6, 1936.

16,048.—*Title:* FIFTY-EIGHT YEARS AGO HILLS BROS. COFFEE BECAME THE FAVORITE OF THOSE WHO WANTED THE FINEST IN COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published October 13, 1936.

16,049.—*Title:* FOR FIFTY-EIGHT YEARS HILLS BROS. HAVE MAINTAINED A TRADITION OF SUPERB AND UNVARYING QUALITY. For Coffee. HILLS BROS., San Francisco, Calif. Published October 20, 1936.

16,050.—*Title:* FOR CHRISTMAS—INTERWOVEN. For Socks. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Published November 14, 1936.

16,051.—*Title:* CHOCOLATE FLAVORED SUNSHINE VITAMIN-D DRINK. For a Chocolate Flavored Drink. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Published September 15, 1936.

16,052.—*Title:* JOHNSTON CHOCOLATE FLAVORED SUNSHINE VITAMIN-D DRINK. For a Chocolate Flavored Drink. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Published September 15, 1936.

16,053.—*Title:* CHOCOLATE FLAVORED SUNSHINE VITAMIN-D DRINK. For a Chocolate Flavored Drink. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Published September 15, 1936.

16,054.—*Title:* CHOCOLATE FLAVORED SUNSHINE VITAMIN-D DRINK. For a Chocolate Flavored Drink. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Published September 15, 1936.

16,055.—*Title:* OLIVER OUTLET. For Electric Outlets or Plugs. JOSEPH W. LANDERS, Chattanooga, Tenn. Published September 17, 1935.

16,056.—*Title:* "GO OUT TONITE? WITH MY FEET . . . I'D DIE!" "WHY YOU SHOULD WEAR HEALTH SPOT SHOES FOR REAL FOOT COMFORT," WHY YOU SUFFER WITH CORNS, BUNIONS, CALLUSES. For Shoes. MUSEBECK SHOE COMPANY, Danville, Ill. Published November 10, 1936.

16,057.—*Title:* LET'S MAKE A DARN GOOD WISH. For Milk Products. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Published November 10, 1936.

16,058.—*Title:* SO MUCH MORE FLAVOR WHEN YOU SAY—PABST, AD 4361. For Beer. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published November 19, 1936.

16,059.—*Title:* WHICH IS BETTER ECONOMY? For Flour. ROYAL MILLING COMPANY, Minneapolis, Minn. Published December 2, 1936.

16,060.—*Title:* DON'T THROW DOLLARS TO THE CHICKENS TO TRY TO SAVE A FEW CENTS ON FLOUR. For Flour. ROYAL MILLING COMPANY, Minneapolis, Minn. Published December 16, 1936.

16,061.—*Title:* BE HAPPY, GO LUCKY! For Cigarettes and Tobacco. EARL F. SCRAPER, Wichita, Kans. Published January 27, 1936.

16,062.—*Title:* HI-HAT. For Hat Rests. P. B. and E. N. THOMPSON, Naugatuck, Conn. Published October 1, 1936.

16,063.—*Title:* WASHINGTON CRAFTSMEN. For Upholstered Furniture. WASHINGTON FURNITURE MANUFACTURING COMPANY, Seattle, Wash. Published November 12, 1936.

16,064.—*Title:* ENACTONE. For Half-Tones. WHITAKER-RUEHL ENGRAVING COMPANY, St. Louis, Mo. Published November 5, 1936.

16,065.—*Title:* WHITMORE'S. For Pressure-Proof Lubricants. THE WHITMORE MANUFACTURING COMPANY, Cleveland, Ohio. Published December 5, 1936.

16,066.—*Title:* JUST THE THING FOR THE CHILDREN. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published November 9, 1936.

16,067.—*Title:* LOOK INTO THIS. For Stockings. AMERICAN FURNITURE SALES CO., Cleveland, Ohio. Published December 29, 1936.

REISSUES

FEBRUARY 2, 1937

20,259

WATER COOLER

Alfred E. Nave, Evansville, Ind., assignor to Servel Inc., New York, N. Y., a corporation of Delaware

Original No. 1,854,995, dated April 19, 1932, Serial No. 512,316, January 30, 1931. Application for reissue October 5, 1936, Serial No. 104,030

7 Claims. (Cl. 62—141)



1. A device of the class described, comprising a frame structure, an evaporator supported by said frame structure, a refrigerating unit for cooling said evaporator, a jacket of insulation around the evaporator, and a detachable separately complete shell adapted to be slipped down over and enclose the frame structure, refrigerating unit and evaporator.

20,260

WAXING PAD

William W. Weller, Chester, N. J., assignor to Pad-Y-Wax Company, Inc., a corporation of New York

Original No. 1,994,425, dated March 12, 1935, Serial No. 714,994, March 10, 1934. Application for reissue November 27, 1936, Serial No. 113,004

7 Claims. (Cl. 91—62.5)



5. A waxing implement comprising, a container including two opposed walls, one of which is impervious to wax and wax solvents, the other of which is pervious to wax in a solvent, a compressible structure contained within said applicator between said walls and of skeleton formation producing a multiplicity of voids, and a charge of wax dispersed through said voids to be exuded through said pervious wall upon compression of said skeleton structure as a result of force applied to said impervious wall.

PLANT PATENTS

GRANTED FEBRUARY 2, 1937

231

CAMELLIA

Edward A. McIlhenny, Avery Island, La.

Application August 7, 1936, Serial No. 94,872

1 Claim. (Cl. 47—60)

A new and distinct variety of *Camellia japonica*, characterized as to novelty by the uniform brilliant pink color and large size of its bloom, substantially as shown and described.

232

PEACH TREE

Jay Perry, Benton County, near Kennewick, Wash., assignor to Columbia & Okanogan Nursery Company, Wenatchee, Wash.

Application October 1, 1936, Serial No. 103,591

1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree of the Elberta type, as herein described, characterized particularly by the high red coloring of its fruit as shown, and its earlier maturity.

PATENTS

GRANTED FEBRUARY 2, 1937

2,069,194

GAS PURIFICATION MATERIAL

Joseph W. Ayers, Easton, Pa., assignor to C. K. Williams & Co., Easton, Pa., a corporation of Pennsylvania

No Drawing. Application July 28, 1933, Serial No. 682,633

8 Claims. (Cl. 252—2.5)

1. A composition for the purification of gas by removal of hydrogen sulfide consisting of an absorption sponge containing hydrated iron oxide and calcium sulfate, the proportion of the oxide in the oxide sulfate mixture being not less than about 28%, as Fe_2O_3, said hydrated iron oxide-sulfate mixture having been produced by leaching a calcined mixture of red iron oxide and ferric sulfate and precipitating the iron content in the solution as hydrated iron oxide by reaction with calcium hydroxide.

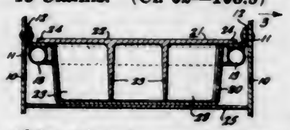
2,069,195

RAPID FREEZING DEVICE

Ralph H. Chilton, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 30, 1934, Serial No. 723,029

15 Claims. (Cl. 62—108.5)



1. In a refrigerator, in combination, a cooling unit having a refrigerated ledge support therein, a removable freezing container adapted to contain water positioned adjacent said support and having a metallic partitioning member therein, said member having metal portions adapted to lie upon and directly contact said refrigerated ledge support when said container is in freezing position and thereby provide a good heat path between said refrigerated support and partitioning member.

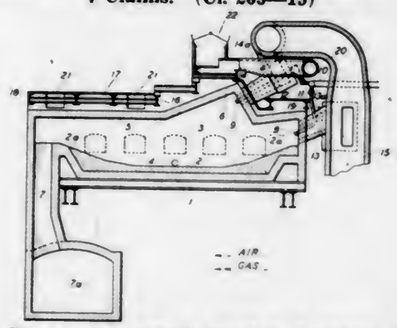
2,069,196

METHOD OF AND APPARATUS FOR MAKING OPEN HEARTH STEEL

Martin J. Conway, Coatesville, Pa.

Application August 5, 1935, Serial No. 34,692

7 Claims. (Cl. 263—15)



1. In an open hearth furnace, a hearth, side walls and roof, forming a heating chamber enlarged intermediate its ends to constitute a plurality of combustion compartments, one of which is elevated with respect to the other, burner openings to said compartments communicating with a source of preheated air, burners projecting into said compartments through said openings in clined to impinge flame streams against the material supported on the hearth, a common exit for the product of combustion remote from said combustion compartments, and means for independently controlling the supply of air and fuel to each of said combustion compartments to provide a regulable flame stream into and beyond said combustion compartments.

5. The method of treating steel in an open hearth furnace consisting in the application of a plurality of flame streams spaced longitudinally and transversely of the furnace chamber at one end thereof to blanket the bath supported by the furnace hearth, supporting combustion in the furnace chamber by a regulable quantity of preheated air, and maintaining the temperature of the preheated air constant during the entire treating period.

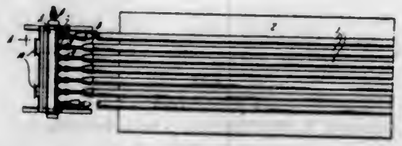
2,069,197

METHOD AND APPARATUS FOR PROCESSING TUBULAR YIELDABLE OBJECTS

Nathaniel H. Curtiss, Passaic, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application May 18, 1934, Serial No. 726,278

7 Claims. (Cl. 18—6)



4. The method of curing hose having a fabric jacket and a tubular rubber lining therein, comprising the steps of passing curing fluid through the hose and building up internal pressure therein, and constantly and independently elongating each hose under uniform tension while it is being cured under the internal curing pressure, whereby each hose is elongated independently of the resistance offered by any other hose that may be cured at the same time.

2,069,198

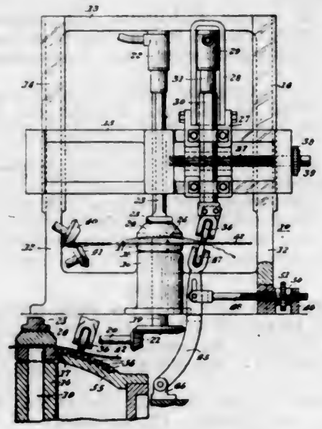
APPARATUS FOR MAKING DISHED HEADS

Charles B. Cushwa, Youngstown, Ohio

Application October 19, 1933, Serial No. 694,256

3 Claims. (Cl. 113—52)

1. Apparatus for making dished heads comprising a frame, a rotatable support in the frame, a hydraulic jack on the frame for clamping a plate on the support, a cross-head extending transversely of the frame, a carriage movable along the cross-head, a tool post adjustable vertically on the cross-head, a hydraulic jack normally exerting a force longitudinally of said tool post, and a pivoted arm for controlling vertical movement of the tool on lateral movement of the carriage.



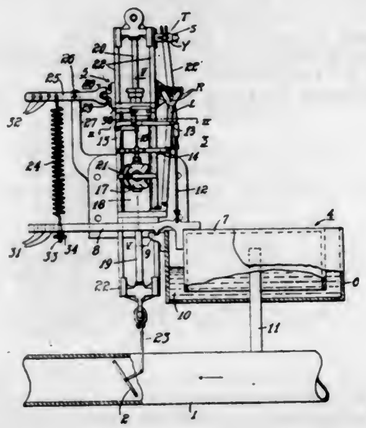
2,069,199

PRESSURE REGULATING DEVICE

Robert R. Donaldson, Jr., Pittsburgh, Pa., assignor to John M. Hopwood, Dormont, Pa.

Application May 9, 1931, Serial No. 536,298

11 Claims. (Cl. 50—10)



1. In combination, a pressure responsive element, a regulator controlled thereby, yielding means having operative connection between the regulator and pressure responsive element and adjusted to be normally in balance with said pressure responsive element, while said element is subjected to a predetermined pressure, the characteristic of said yielding means being such that it offers substantially no resistance to small movements of the pressure responsive element in response to slight changes in pressure and increasingly greater resistance to relatively large sudden movements of said element in response to greater changes in pressure, and means operated by the regulator for decreasing the opposing force exerted by said yielding means and tending to restore it to its normal balance with said pressure responsive element.

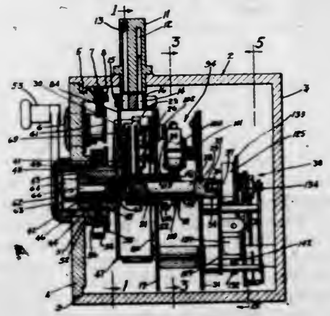
2,069,200

ELECTRIC CURRENT DISPENSING DEVICE

Harry W. Ackley, Minneapolis, Minn., assignor to Frances A. Genter, Minneapolis, Minn.

Application July 11, 1934, Serial No. 734,642

9 Claims. (Cl. 194—72)



1. In an electric current dispensing device, a clock mechanism, a normally open electric switch, an operating member, coin actuated means for operatively connecting said member to said clock mechanism and said switch, whereby when the member is rotated, the clock is wound and said switch conditioned for closing, ratchet means for preventing return movement of said operating member until it has been rotated to the limit of its forward movement, and means associated with said operating member for effecting complete closing of the switch, when said member is returned to its normal position, following winding of the clock mechanism.

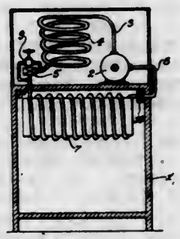
2,069,201

DEFROSTING APPARATUS

Ira Allison, St. Louis, Mo., assignor, by direct and mesne assignments, to Arthur L. Hardin

Application September 16, 1932, Serial No. 633,444

7 Claims. (Cl. 62—3)



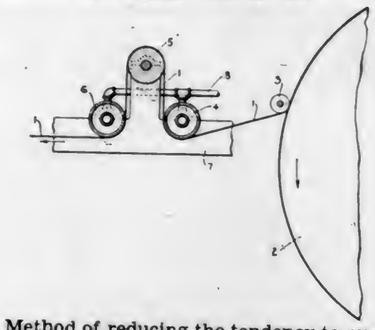
1. The combination with a refrigerating system having a compressor, a condenser and an evaporator, of an expansion valve between said condenser and said evaporator having auxiliary means operable to place said condenser and evaporator in unrestricted communication without disturbing the setting of said expansion valve, and a second expansion valve between said evaporator and said compressor.

2,069,202

PRODUCTION OF IMPROVED FILM

Bjorn Andersen, Maplewood, and Ralph H. Ball, Elizabeth, N. J., assignors to Celluloid Corporation, a corporation of New Jersey

Application June 9, 1934, Serial No. 729,872
12 Claims. (Cl. 18—57)



1. Method of reducing the tendency to curl of a film, foil, thin sheet or like product produced by depositing a film-forming solution containing a derivative of cellulose on a support, evaporating volatile solvent from the deposited solution, and stripping from the support the film or like product thus formed, which comprises subjecting said product to the action of heat applied by means of heated surfaces in greater quantity to the air side than to the wheel side thereof.

2,069,203

PRODUCTION OF RUSTLESS IRON

William B. Arness, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Application July 20, 1933, Serial No. 681,373
9 Claims. (Cl. 75—127)

1. In the production of nitrogen-containing rustless iron and steel of fine grain structure, the art which includes, preparing a bath of molten iron covered by an overlying slag containing oxides of chromium, reducing the oxides of chromium contained in the slag thereby enriching said bath, and after withdrawing the slag from which the oxides have been reduced and forming on said bath a basic finishing slag, adding to said bath a ferrochrome of high nitrogen content whereby metal of a desired nitrogen content is achieved.

2,069,204

PRODUCTION OF RUSTLESS IRON

William B. Arness, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Application July 20, 1933, Serial No. 681,374
9 Claims. (Cl. 75—127)

1. In the production of nitrogen-containing rustless iron and steel of fine grain structure, the art which includes, forming a ferrous metal bath containing chromium from a charge including one or more chromium-bearing metallic ingredients substantially free from nitrogen and melting in said bath an iron-chromium alloy of substantial nitrogen content, the chromium of the bath being available to take up nitrogen coming from said iron-chromium alloy of substantialy nitrogen content thereby minimizing a loss of nitrogen and assuring the production of sound metal.

2,069,205

METHOD OF PRODUCING IRON CHROMIUM ALLOYS OF APPRECIABLE NITROGEN CONTENT

William B. Arness, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Original application December 3, 1932, Serial No. 645,637. Divided and this application January 4, 1934, Serial No. 705,282
7 Claims. (Cl. 75—127)

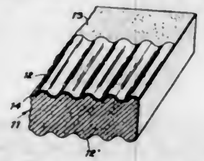
1. In the production of iron-chromium alloys of appreciable nitrogen contents, the art which includes preparing and maintaining a bath of ferrous metal containing chromium in intimate contact with nascent or atomic nitrogen gas introduced into the presence of said bath.

2,069,206

METHOD AND APPARATUS FOR RECOVERING PRECIOUS METAL FROM ORE

Frank C. Axtell, Pasadena, Calif., assignor of three-fourths to Harold Wheaton, Los Angeles, Calif.

Application August 16, 1933, Serial No. 685,364
16 Claims. (Cl. 209—179)



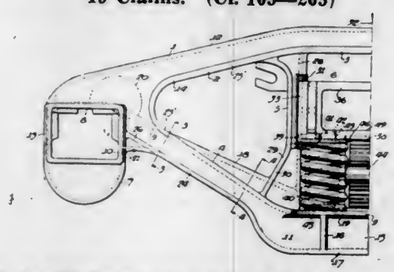
1. For use in the recovery of a metal from its ore: a carbon plate; and a mercury alloy coating on a surface of said plate.

2,069,207

RAILWAY TRUCK

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application February 25, 1932, Serial No. 595,135
19 Claims. (Cl. 105—205)



3. A side frame comprising a tension member, the intermediate portion of which is formed as an upper web with depending substantially parallel flanges, the end portions of which comprise upper web portions with depending flanges angularly spread away from the vertical positions to a greater and greater degree as they approach the ends of the frame.

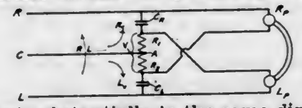
2,069,208

ELECTRICAL CIRCUITS

Laurence Batchelder, Peterborough, N. H., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application September 16, 1931, Serial No. 563,153
10 Claims. (Cl. 177—386)

2. Arrangement for emphasizing the binaural effect in a system having two circuits, means for producing alternating current of the same periodicity having original vectors in each circuit and means for varying the phase of said currents with respect to each other, said arrangement comprising electrical means for producing one vector



component substantially in the same direction as one of the original vectors and another component in substantially the opposite direction to the other original vector and means in each circuit for indicating the resultant of the respective original and component vectors.

2,069,209

DYESTUFF PASTE FOR USE IN PRINTING

George M. Bishop, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application November 7, 1929, Serial No. 405,532
11 Claims. (Cl. 8—6)

1. As a composition of matter, a dyestuff paste comprising a dibenzanthrone dyestuff and a hydroxyalkyl ether.

2,069,210

FLAVANTHRONE DYESTUFF AND PRINTING PASTE

George M. Bishop, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Original application November 7, 1929, Serial No. 405,532. Divided and this application February 21, 1936, Serial No. 65,065
10 Claims. (Cl. 8—6)

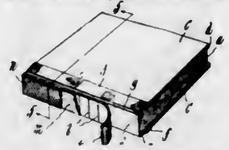
1. As a composition of matter, a dyestuff paste comprising a flavanthrone dyestuff and a hydroxy alkyl ether.

2,069,211

METHOD OF BOOKBINDING

Frank Brown, Malden, Mass.

Application March 15, 1935, Serial No. 11,245
2 Claims. (Cl. 281—21)



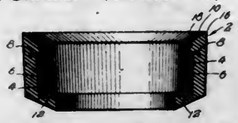
1. The method of bookbinding which consists in placing the leaves of the book in a stack, applying to one or both faces of the stack a collection of leaves and a reinforcing fabric strip secured together adjacent to one edge together with an outer leaf secured to the reinforcing strip at a distance from such edge, the secured edges of such collection of leaves and reinforcing strip being registered with an edge of the before named stack of leaves, incising said edge of the leaves, uniting a fibrous binding strip to such incised edges by an adhesive in liquid state of a character such that it penetrates the incisions so produced and upon drying is tough and flexible, folding back the reinforcing strip and attached outer leaf into substantial register with the bound edges of the leaves, and uniting the folded over part of the reinforcing strip to the fixed part of the strip.

2,069,212

PACKING RING

Malcolm R. Buffington, Millburn, N. J.

Application April 9, 1935, Serial No. 15,467
11 Claims. (Cl. 309—33)



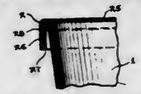
1. A packing ring comprising a substantially circular body portion composed of vulcanized synthetic rubber composition, said body portion having a centrally disposed opening, an outwardly extending lip portion at the upper part of said packing ring, an inwardly extending base portion at the lower end of said packing ring, a reenforcing member within said body portion having an upper flanged part having a downwardly extending projection thereon adjacent the said lip portion to reenforce said lip portion and to prevent flopping of the cup member and an inwardly projecting flange part for reenforcing the said base portion of the packing ring.

2,069,213

CONTAINER AND CLOSURE CAP THEREFOR

Herman Carew, Easton, Pa., assignor to Individual Drinking Cup Company, Inc., Easton, Pa., a corporation of Pennsylvania

Application November 27, 1931, Serial No. 577,605
3 Claims. (Cl. 229—5.5)



1. In combination, a paper receptacle having a resilient lip portion formed by beading the upper edge to present a continuous outwardly extending rounded under surface projected laterally of the side of the receptacle, associated with a cap also of paper and having a top portion and a resilient skirt portion possessing a rounded seating portion, the cap being adapted to receive the bead of the body into the complemental seating portion thereof when the cap is forced in place so that the resiliency of the opposing body and cap parts will effect close hugging engagement of the cap with the beaded portion of the receptacle above and throughout the curved abutting surfaces thereof, the skirt portion having a part projecting inwardly and engaging under the rounded surface of the bead of the receptacle and cooperating therewith to effect firm seating of the bead in a relatively upward and outward direction with respect to the cap and within the rounded seating portion thereof thereby securing the cap and receptacle together and permitting the cap to be forcibly removed without injury to either by riding action of the bead over the wall of said seating portion.

2,069,214

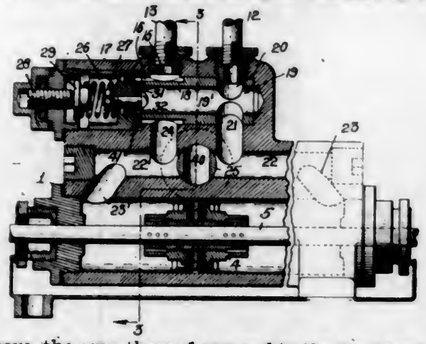
SAFETY DEVICE FOR AIRPLANE AUTOMATIC PILOTS

Bert G. Carlson, Queens Village, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application November 2, 1934, Serial No. 751,143
7 Claims. (Cl. 244—29)

2. In a safety device for hydraulic servo motors for aircraft and the like, separate passages for leading the liquid to and from the motor in either direction, a bypass valve therebetween, compris-

ing a sleeve, the interior of which is exposed to the liquid pressure in one passage and the exterior to the liquid pressure in the other passage, a valve face normally seating on the end of said

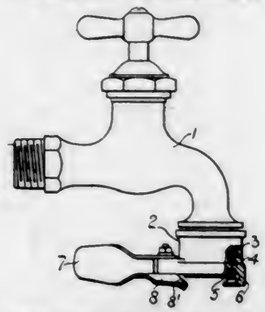


sleeve, the area thereof exposed to the liquid within and without said sleeve being the same, and spring means for yieldingly holding said valve closed except when subject to more than normal pressure.

2,069,215
PRINTING PROCESS AND COMPOSITION THEREFOR
Ivan Fleming Chambers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1934, Serial No. 740,455
14 Claims. (Cl. 8—6)

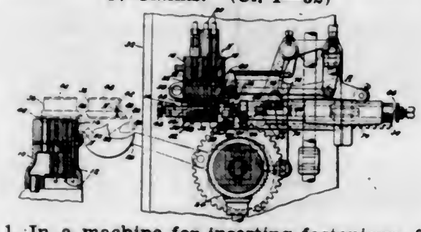
1. In a process of printing textile fibers with vat dyestuffs, the improvement which comprises applying the dyestuff to the fiber in the presence of an alkali-soluble salt of a branched-chain aliphatic carboxylic acid containing not less than 6 and not more than 12 carbon atoms.

2,069,216
HOSE CONNECTION
Omar E. Clark, Detroit, Mich.
Application March 14, 1935, Serial No. 11,135
1 Claim. (Cl. 285—170)



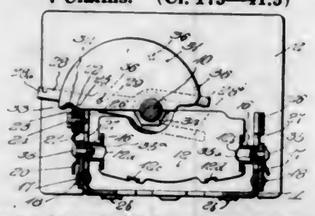
A hose connection constructed for attachment to a water serving pipe provided with a threaded end, said connection having an internally threaded cylindrical body portion adapted to engage the threaded end of the water pipe and having a downwardly extending part constructed with an inwardly and downwardly inclined lip, a lever pivotally carried by said body on the opposite side from said lip and provided with a terminal portion having an inclined surface, a hose connection having a flat circular top and a cylindrical throat portion located below the top less in diameter than the top and connected therewith by a portion having an external conical form and adapted to engage the lip of said body, and the said inclined terminal portion of the lever being arranged to engage the said conical part of the connection whereby a movement of the lever in one direction tightens said body portion on the water pipe and forces said connection in the same direction in contact with said body.

2,069,217
FASTENING-INSERTING APPARATUS
Anthony Cocozella, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 11, 1933, Serial No. 688,884
37 Claims. (Cl. 1—32)



1. In a machine for inserting fastenings, fastening-inserting mechanism, fastening-supplying mechanism, bodily movable means for transferring fastenings from the supplying mechanism to the inserting mechanism, and means for inverting the fastenings during their transfer.

2,069,218
VARIABLE CONDENSER
Samuel Cohen, Brooklyn, N. Y., assignor to General Instrument Corporation, New York, N. Y., a corporation of New York
Application August 12, 1930, Serial No. 474,789
7 Claims. (Cl. 175—41.5)



1. Means for establishing connection with the individual stages of a multiple variable condenser which includes, a frame structure, a rotatable shaft member journaled in said frame structure, a set of stator plates insulatingly supported with respect to said frame structure, a sleeve carried by said shaft, a set of rotor plates supported by said sleeve and adapted to be variably interleaved with said stator plates, a connector comprising a resilient strip forked at one end to embrace said rotatable shaft and to establish electrical connection by frictional engagement with the end of said sleeve, the frame structure adjacent said stator plates having means for supporting said connector in any one of several selected angular positions with respect to said rotatable shaft with said connector extending beyond the limits of said frame structure and parallel to the plane of said frame structure for providing a connection to said rotor plates.

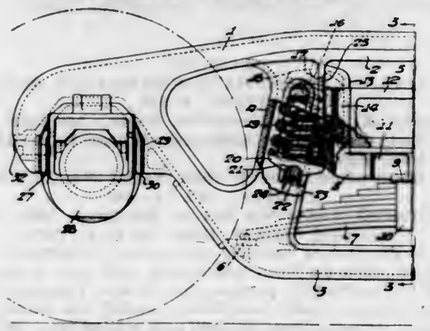
7. In an electrical condenser, the combination with a stator element, of a supporting structure including a frame providing a surface extending longitudinally of the frame along and adjacent to the stator element, a strip of insulating material mounted on and secured to said surface, means for securing said stator element to said strip, means providing a second surface on said frame spaced from the first-named surface and lying in the plane of the outer surface of said strip of insulating material, a strip of spring conducting material arranged to lie over the second-named surface, said strip of spring material being bowed outwardly away from said second-named surface, a strip of dielectric material mounted between said second-named surface and the strip of spring material, and means for gradually moving said strip of conducting material into full contact with said strip of dielectric material in the region of said second surface.

2,069,219
BUMPER FOR A WINDOW GLASS
James L. Conlon, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 15, 1936, Serial No. 74,455
7 Claims. (Cl. 296—44)



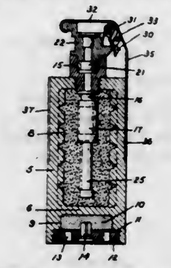
1. In a vehicle body having a window panel arranged for retreat into, and withdrawal from, a window well, a support in the window well, an opening in the said support having a mouth portion wider than the remaining portion of the opening, a bumper having a head portion and an interlock portion, the said interlock portion being adapted to be passed through the mouth of the said opening and being wider than the remaining portion of the said opening whereby the said interlock portion of the bumper can be passed through the mouth of the opening and the bumper slid along the opening to interengage the interlock portion of the bumper with the said support in the remaining portion of the opening.

2,069,220
RAILWAY TRUCK
Glenn F. Couch, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application November 2, 1934, Serial No. 751,202
15 Claims. (Cl. 105—197.1)



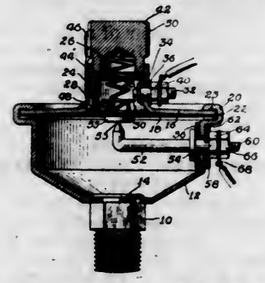
1. In a railway truck, in combination, a side frame formed with compression and tension members spaced at intermediate portions by guide columns, leaving a bolster opening therebetween, spring means disposed in the lower portion of said opening and spanning the distance between said columns, other spring means supported directly by said frame and disposed directly above the end portions of said first-mentioned spring means, and a bolster disposed above said first-mentioned spring means and between said second-mentioned spring means and resiliently supported by both.

2,069,221
GRENADE
Richard C. Coupland, United States Army, Norfolk, Va.
Application August 14, 1935, Serial No. 36,138
2 Claims. (Cl. 102—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A grenade comprising a body, an adapter secured to the body and having a flanged tube disposed within the body, said tube having an aperture between the flanges, a sleeve mounted on the flanges of the tube and cooperating with the tube to form a container, an explosive charge in the container, a fuse head rotatably mounted in the adapter, a firing mechanism carried by the fuse head, an inner tube carried by the fuse head and extending through the adapter tube, said tube having an aperture positionable in and out of communication with the aperture of the adapter tube, a time fuse in the inner tube, and an explosive charge at the inner end of the inner tube.

2,069,222
SIGNAL
Robert M. Cremer, Chicago, Ill.
Application March 19, 1934, Serial No. 716,387
7 Claims. (Cl. 200—83)



1. In a pressure detector; a housing comprising two opposed one-piece sheet metal cups united into an integral unit by bending the edge of one cup around the edge of the other cup; a diaphragm and an annular sealing washer clamped

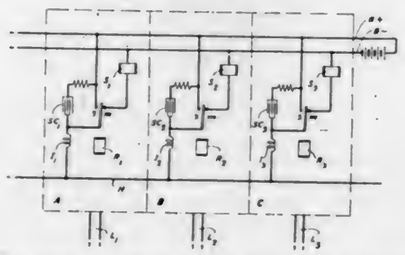
between the edges of said cups; the cup on the low pressure side of the diaphragm being relatively shallow and having wall portions lying close to the undistorted position of said diaphragm, to engage the diaphragm after a predetermined displacement thereof and protect it from further distortion; the cup on the low pressure side having a central neck; contact making and breaking means actuated by the diaphragm; and adjustable resilient means housed in said neck and opposing the yielding of said diaphragm in response to pressure; said resilient means comprising a cap threaded into the end of said neck, a helical spring carried by said cap, and a mechanical terminal carried on the inner end of said spring and bearing against said diaphragm; and an insulated electric terminal extending laterally from one side into the cup on the high pressure side of the diaphragm to underlie said contact making and breaking means.

2,069,223

INTERCONNECTING TELEGRAPH REPEATER SYSTEM

George C. Cummings, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 24, 1935, Serial No. 32,858
8 Claims. (Cl. 178—73)



1. A local one-wire circuit, a plurality of polar signal transmitting relay means each connected to said circuit for energization in multiple in response to an operating potential applied to said circuit, a plurality of signal receiving relay means each having two-position contact means for alternately connecting a source of said operating potential to said circuit and disconnecting it from said circuit in response to alternate signal impulses through said receiving relay means, and bias correcting circuit means having capacitance connected between said one-wire circuit and said source of potential, the capacitance of said bias correcting circuit means being dimensioned in proportion to the number of said transmitting relay means connected for multiple energization to said one-wire circuit to compensate for the travel time of said contact means.

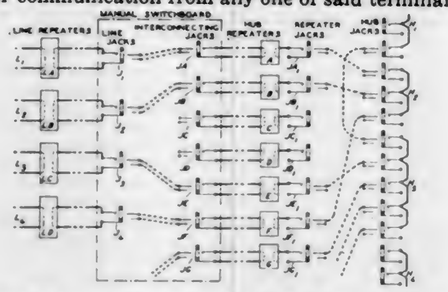
2,069,224

INTERCONNECTING TELEGRAPH REPEATER SYSTEM

George C. Cummings, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 24, 1935, Serial No. 32,859
4 Claims. (Cl. 178—75)

1. A telegraph repeating system comprising a plurality of at least three two-way terminal repeaters, an interconnecting repeater having one side serially connected to each of said terminal repeaters, and a circuit interconnecting the other side of said interconnecting repeaters in multiple for communication from any one of said terminal



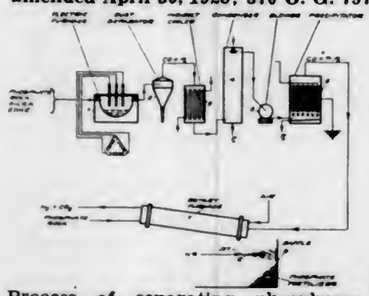
repeaters over the others of said terminal repeaters.

2,069,225

PRODUCING PHOSPHORUS AND PHOSPHATE FERTILIZER

Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation

Application June 5, 1935, Serial No. 25,091
3 Claims. (Cl. 71—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. Process of separating phosphorus from phosphorus reduction furnace gases, which comprises separating a very substantial proportion of the elemental phosphorus from the gaseous mixture by condensation and separating the very small proportion of the phosphorus remaining in the resulting gaseous mixture by contacting the products of its combustion with phosphate rock for the fusion of the rock with the amount of the phosphorus pentoxide in the oxidized gaseous mixture contacting the phosphate rock being only a small proportion of the phosphorus pentoxide content of the phosphate rock being fused.

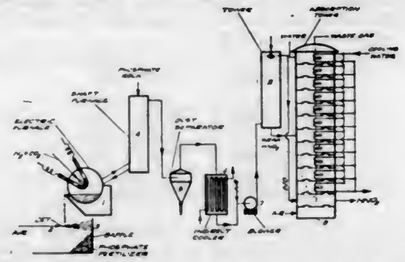
2,069,226

MAKING PHOSPHATE FERTILIZER AND NITRIC ACID

Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation

Application June 6, 1935, Serial No. 25,281
3 Claims. (Cl. 71—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. Process of making phosphate fertilizer and fixed nitrogen from phosphate rock and a mixture of nitrogen, carbon dioxide and phosphorus pentoxide, which comprises passing the mixture of nitrogen, carbon dioxide and phosphorus pentoxide through an electric arc to form nitric oxide; fusing the phosphate rock by heat from the electric arc; partially cooling the hot gaseous mixture leaving the zone of the electric arc by countercurrent contact of the gaseous mix-



ture with the phosphate rock before fusion; and removing the nitric oxide from the cooled gaseous mixture.

2,069,227

PROCESS FOR PRODUCING DECORATED SURFACES.

Karl Eichstädt, Berlin, Germany, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan

Application November 16, 1933, Serial No. 698,328
In Germany November 26, 1932
2 Claims. (Cl. 41—35)



1. The method of forming an artificial stone in simulation of a natural stone, comprising reproducing the natural stone by a photogravure method, transferring such reproduction in color to portions of a polished surface, applying a layer of pigment over the entire surface and over said color, applying a plastic material to said coated surface, solidifying said material by the application of pressure thereto, there being a greater degree of adhesion between said material and said pigment and between said pigment layer and said reproduction than there is between said color and/or said reproduction and said surface, and subsequently removing said solidified material and coatings as a unit from said surface.

2,069,228

PROCESS FOR DECORATING WOOD OR SIMILAR MATERIALS

Karl Eichstädt, Charlottenburg, Germany, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan

Application November 24, 1933, Serial No. 699,535
In Germany November 26, 1932
1 Claim. (Cl. 41—26)



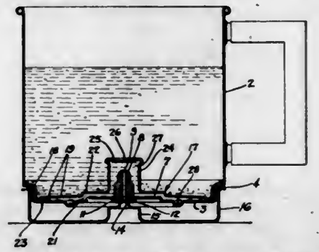
The method of decorating wood surfaces, comprising heating a transparent liquid compound including glue, glycerine and barium sulphate, applying such compound to the surface to be decorated, removing part of such coating by a scraping action, leaving a thin, even surfaced layer of such compound over the entire surface to be decorated, drying the coated surface, thereafter decorating the wood surface by a printing operation to simulate a more expensive wood, and finally applying a wearing coat to the decorated surface.

2,069,229

COFFEE MAKING APPARATUS

Robert Ferris, Minneapolis, Minn.

Application June 29, 1936, Serial No. 87,970
6 Claims. (Cl. 53—3)



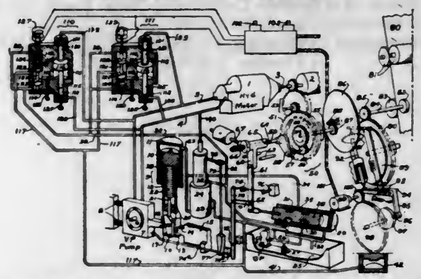
1. In an apparatus of the class described, a container having a bottom wall provided with an upwardly projecting member having a discharge opening extending longitudinally therethrough, a filtering member loosely supported in the container and having a raised portion fitting over and enclosing said upwardly projecting member with its walls spaced from the corresponding walls thereof, the upper wall of said hood portion being concaved and having an air vent therein, said air vent being adapted to be sealed by the solids and liquids resting in said concave portion, said hood cooperating with said upwardly projecting member to form a siphon, whereby substantially all of the liquid in the container may be drained therefrom through said discharge opening.

2,069,230

SPEED CONTROLLER FOR PRIME MOVERS

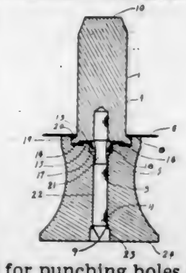
Walter Ferris, Milwaukee, Wis.

Application February 27, 1936, Serial No. 66,025
20 Claims. (Cl. 60—53)



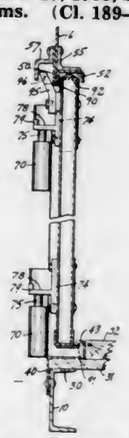
1. The combination, with a load, a variable speed prime mover for driving said load, a source of energy for said prime mover and transmission lines for the transmission of energy from said source to said prime mover and from said prime mover to said load, of a controller for controlling said prime mover and operable to maintain the speed thereof proportional to a standard or measuring speed, means for adjusting said controller to change the speed of said prime mover to a speed having a different ratio to said standard speed whereby an additional positive or negative force is required to overcome the inertia of said load during such speed change, and means connected to one of said transmission lines and energized from another source for overcoming the inertia of said load.

2,069,231
HAND PUNCH
Edward H. Findlay, Pomona, Calif.
Application February 23, 1935, Serial No. 7,815
9 Claims. (Cl. 1.64—29)



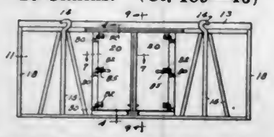
1. In a tool for punching holes the combination of a punch member having a shoulder at one end which provides a circular shearing edge of a diameter greater than the remainder of said punch member, a guide pin secured in said punch member, said guide pin being concentric with said shearing edges of said punch member, a groove in said guide pin immediately adjacent to the face of said punch member; a die member provided with a recess to receive said punch member, a second recess concentric to said first recess and adapted to receive said guide pin, said second recess having an enlarged portion adjacent the entrance thereto, an annular ridge located in said first recess and concentric thereto; an annular depression in the face of the punch member, said depression being concentric to said guide pin and adapted to receive said annular ridge provided in said die member; a third recess in said die member adapted to receive said guide pin and having an enlarged section adjacent the exit thereof.

2,069,232
DOOR CONSTRUCTION FOR FREIGHT CONTAINERS
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application September 19, 1933, Serial No. 690,105
10 Claims. (Cl. 189—46)



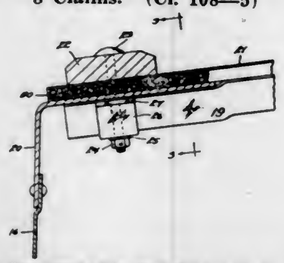
1. The combination of a container having a door hinged to it on a vertical axis, a keeper on the container above the doorway, an upward projection on the door adapted to engage such keeper when the door is open and elevated, and a spring tending to maintain the door elevated.

2,069,233
DOOR LOCKING MECHANISM FOR FREIGHT CONTAINERS
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application January 6, 1934, Serial No. 705,529
10 Claims. (Cl. 189—46)



1. In a container having a doorway, and a door hinged to the container in a manner to enable it to have a sliding movement along the hinge axis, the combination of leverage mechanism adapted to be operated from the exterior of the door to raise the door from a normal lower position into an elevated position when it is closed, and a bead on the outer side of the door near the top adapted to come into engagement with a portion of the container when the door is closed.

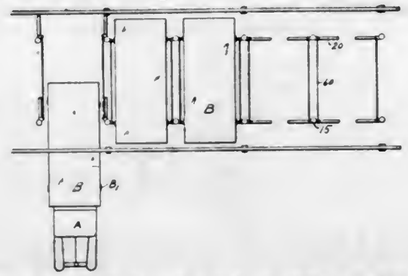
2,069,234
FREIGHT CONTAINER
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Original application September 19, 1933, Serial No. 690,104. Divided and this application May 3, 1934, Serial No. 723,661
8 Claims. (Cl. 108—5)



1. In a demountable freight container, having ends, a roof and roof braces terminating adjacent said ends, means for fastening the roof to said ends comprising an angle piece riveted to each end and bolted to the roof portion and the roof braces, together with a part of the roof portion overlapping the outer face of said end, and the vertical part of the angle piece and the end portion and the overlapping roof portion being riveted together.

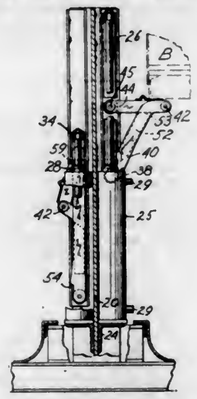
2,069,235
APPARATUS FOR SUPPORTING DEMOUNTABLE BODIES
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application May 24, 1934, Serial No. 727,321
6 Claims. (Cl. 248—1)

6. In load handling apparatus of the class described the combination of four fixed and rigid upright columns in quadrilateral arrangement defining an entryway for a truck adapted to carry a demountable body, brackets respectively pivoted at vertically spaced regions on each column, each bracket being swingable horizontally toward the center of the entryway into a position in which it will underlie a demountable body in substantially the position in which it is supported on such truck in the entryway and into another position in which the bracket is entirely out of vertical alignment with the body and entirely



out of the way of the truck in passing into and out of the entryway, and means operatively connecting the brackets on respective sides of the entryway whereby the movement of one bracket to the desired position similarly positions the other.

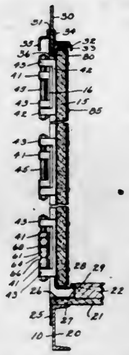
2,069,236
MECHANISM FOR RAISING AND SUPPORTING DEMOUNTABLE BODIES
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application July 2, 1934, Serial No. 733,469
20 Claims. (Cl. 254—45)



1. A lifting and supporting mechanism for a demountable body, comprising a pair of fixed vertical supports spaced apart on each side of a vehicular space, vertically reciprocable members respectively carried by said supports and adapted to engage the demountable body, power mechanism associated with each support to raise or lower said members, and means independent of said mechanism to lock said members in a raised position against lowering movement.

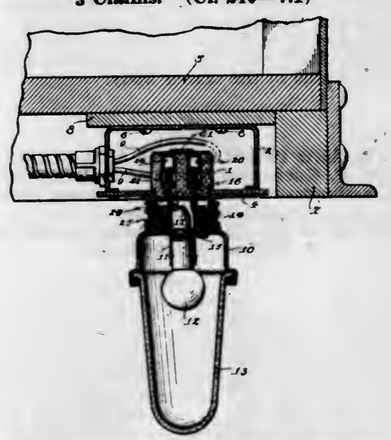
2,069,237
DOOR OPERATING MECHANISM
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application September 15, 1934, Serial No. 744,213
2 Claims. (Cl. 189—46)

1. In a container, a door frame having a door hinged thereto on a vertical slidable hinge axis, positively acting mechanism operable from the exterior of the container and by movement relative to the door for raising and lowering the door when closed without disengaging said hinges, and vertically abutting means adjacent the top



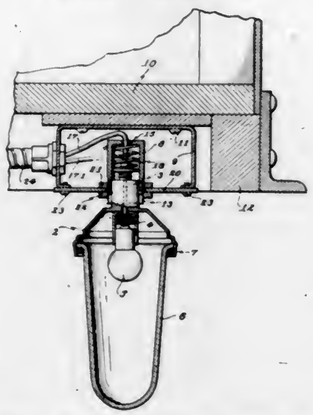
and bottom of the doorway, operating when the door is closed and consequent upon movement of the door in one direction by said mechanism, to make tight connections at both the top and bottom of the door.

2,069,238
TRAILER LIGHT
Edwin J. Fraser, Riverside, Ill., assignor to Keeshin Motor Express Co. Inc., Chicago, Ill., a corporation of Illinois
Application February 29, 1936, Serial No. 66,403
3 Claims. (Cl. 240—7.1)



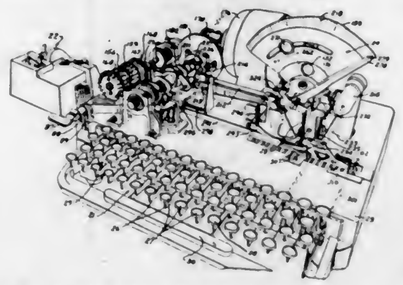
1. A trailer light of the class described comprising an outlet box, and a receptacle mounted therein having contact members connected to a source of current, said outlet box being mounted under the floor boards and adjacent an edge of a trailer body, in combination with a detachable lighting unit comprising a casing, lamp socket, lamp, lens, and an attachment plug having protruding contact fingers, said plug being formed and arranged for integral attachment to a face of said casing, all operatively arranged in a unitary structure, and resilient cushion means mounted on said attachment plug and arranged to effect a tight connection between said lighting unit and receptacle when the same are connected together.

2,069,239
TRAILER LIGHT
Edwin J. Fraser, Riverside, Ill., assignor to Keeshin Motor Express Co. Inc., Chicago, Ill., a corporation of Illinois
Application April 8, 1936, Serial No. 73,321
4 Claims. (Cl. 240—7.1)



1. A trailer light of the class described comprising a lighting unit having a casing, lamp socket and lamp housed within said casing, a lens, and an integral protruding base means provided with a lug on the surface thereof, a receptable mounted under the floor boards adjacent an edge of the trailer body, a socket arranged in said receptacle and provided with a bayonet slot to receive said lug for quick connection of said lighting unit to said socket, the exposed face end of said socket arranged to lie in a plane substantially flush with the lower exposed edge of the side frame of the trailer body.

2,069,240
KEYBOARD PERFORATOR AND COUNTER
Maurus T. Goetz and Albert H. Reiber, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 3, 1932, Serial No. 615,104
27 Claims. (Cl. 164—112)



1. In a keyboard device, a plurality of keys, a constantly rotating shaft, a perforating device, a counting device, a cam carried by said shaft to perform the perforating operation, a pair of cams carried by said shaft to initiate and control the counting operation, means controlled by said keys to effectuate through the instrumentality of said cams the operativeness of said devices, and means comprising a double trip-off latch to define the limits of operation of said devices.

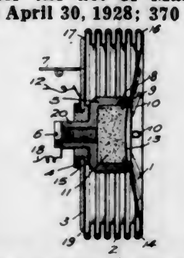
2,069,241
EYELET-INSERTING MACHINE
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 17, 1935, Serial No. 26,951
11 Claims. (Cl. 218—15)



1. In a machine of the type in which one of two cooperative eyelet-setting tools has eyelet-inserting movement; a work-supporting member having a surface arranged to be rubbed by the perimeter of an eyelet being carried to the work by said inserting tool, said surface being formed in accordance with a straight edge of said perimeter to turn the eyelet in whichever direction may be necessary to arrange said straight edge in a certain line.

9. In an eyelet-inserting machine of the type in which an eyelet-inserting tool is provided with a spring-pressed spindle for impaling an eyelet, mechanism for operating said tool, and means movable to and from the path of said tool for presenting an eyelet to said spindle; a movable stop arranged to interrupt the travel of said spindle through an eyelet held by said presenting means, and means by which said stop is operated to release the spindle in timed relation to the retractory movement of said presenting means.

2,069,242
ELECTROACOUSTIC ENERGY CONVERTING SYSTEM
George A. Graham, Fort Monmouth, Oceanport, N. J.
Application January 19, 1933, Serial No. 652,510
5 Claims. (Cl. 179—101)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

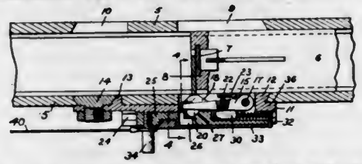


1. In an electro-acoustical energy converting system; a vibratory component, comprising an impulse responsive element; a flexing cylinder for mounting said element to permit piston-like vibration thereof and forming a fluid-tight junction therewith; a second component adapted for assembly with the first-named component as a replaceable unit, and comprising adjustable means for supporting co-operating parts of said system; means for preliminarily coupling said components to permit adjustment and calibration of active elements at desired operating frequencies; and means to complete the coupling operation of the components in fluid-tight assembly with one another and without disturbing the adjustment.

2,069,243
MANUFACTURE OF KETENE
George D. Graves and Crawford H. Greenewalt, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 28, 1934, Serial No. 737,388
17 Claims. (Cl. 260—123)

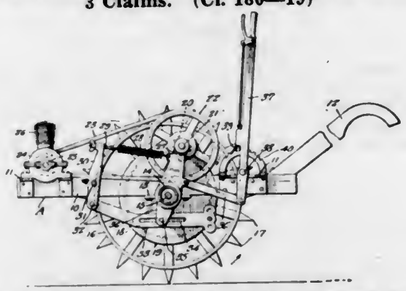
1. Method of manufacturing ketene which comprises passing the vapors of organic compounds which are decomposed by heat into substances including ketene, thru a chamber heated to at least 675° C., the contact time of said vapors being less than 1.0 second.

2,069,244
TRIGGER MECHANISM FOR MACHINE GUNS
Samuel G. Green, Gray, Ga.
Application January 16, 1935, Serial No. 2,027
3 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



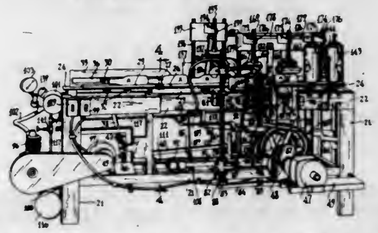
1. In a trigger mechanism, a casing adapted to be attached to a gun and having an aperture and a channel, a trigger pivotally mounted in the casing with its free end arranged to move through the aperture therein, lugs on opposite sides of the free end of the trigger, the lug on the inside of the trigger having a cam surface on its rear face and the lug on the outside of the trigger having a cam surface on its front face, a slide mounted in the channel of the casing substantially parallel to the trigger and having a recess with a cam surface adapted to coact with the cam surface on the outer lug of the trigger, and a spring seated on the trigger and acting on the slide to normally hold it in forward position.

2,069,245
TRACTOR
Harley O. Haines, Marion, Ohio, assignor of one-half to Wood A. Stanburrough, Marion, Ohio
Application October 23, 1935, Serial No. 46,400
3 Claims. (Cl. 180—19)



3. In a tractor, a frame, an axle housing journaled on said frame, an axle passed through the housing and having traction wheels, a gear fixed to said axle, a rocking arm rigid with said housing, a jack shaft journalled in said arm and having a pinion fixed thereto meshing with said gear, a draft bar, a lever pivoted in the frame and pivoted to said draft bar, an adjusted tensioning spring connected with said arm and said lever, power means for driving said jack shaft and supported by said frame, belt and pulley connections between the power means and said jack shaft, means for shifting the said arm, a loose connection between the draft bar and the said arm, means for latching the last-named means in adjusted position, and means for adjusting the tension of said spring.

2,069,246
LABEL AFFIXING MACHINE
Glen N. Hanson, Minneapolis, Minn.
Application December 7, 1934, Serial No. 756,386
4 Claims. (Cl. 216—55)



3. In a label applying machine, the combination with means for feeding articles in a row, a label holder laterally remote from said row, a label pick up and transfer device arranged to pick up the labels one at a time from said holder and to carry the same edgewise to an article in the row, and means operative at an angle to the label-delivery movement for pressing the same onto the article, said label-carrying and pressing devices being independent elements, the latter being operative to press the label after the label-carrier has moved from the delivery position.

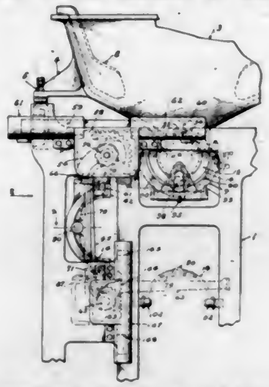
2,069,247
CAN COATING ENAMEL
Lehman E. Hoag, Bellwood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 24, 1933, Serial No. 695,047
4 Claims. (Cl. 99—181)

4. The process of preventing spangling and discoloration of the interior of metallic containers by the action of food products sealed in the cans which consists in providing a lacquer enamel coating for the cans, said lacquer including an organic metallic compound produced by chemical reaction between zinc oxides and the fatty acids of the semi-drying oils, said metallic compound being soluble within the said lacquer enamel constituting the vehicle.

2,069,248
STEREOTYPE PLATE CASTING MACHINE
William F. Huck, Richmond Hill, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 11, 1932, Serial No. 616,653
24 Claims. (Cl. 22—2)

17. In a printing plate casting machine, the combination of metal supplying means, a horizontal semi-cylindrical casting chamber, and means for supplying metal to the chamber along a line parallel to the axis of the casting chamber and extending throughout the length of the

chamber intermediate its side edges at the lowest portion of the chamber so that the metal



flows in opposite directions and upwardly from the axial line in filling the chamber.

2,069,249

APPARATUS FOR GAUGING AND STRAIGHTENING AUTOMOBILES AND PARTS THEREOF

George L. Hunt, Davenport, Iowa, assignor, by mesne assignments, to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington

Application October 27, 1930, Serial No. 493,561
22 Claims. (Cl. 153—32)

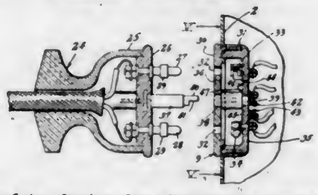
1. In a machine for the purpose indicated, a rigidly braced frame, runways thereon for the reception of an automobile, said runway being provided with wheel guides to insure proper positioning of the automobile wheels, measuring indicators in connection with the runways, and means cooperating with said indicators and an automobile on the runways to indicate the amount by which the automobile deviates from correct mechanical form.

2,069,250

SAFETY DEVICE FOR HIGH POTENTIAL ELECTRICAL CIRCUITS

Ralph C. Hyde, Los Angeles, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application December 5, 1933, Serial No. 700,979
1 Claim. (Cl. 200—118)



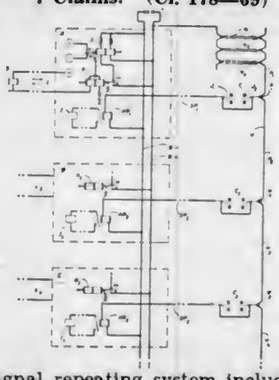
In a safety device for electrical apparatus employing high potential electric current derived from a transformer having a high potential winding, a plug and receptacle connections for connecting said electrical apparatus with said high potential winding, said receptacle having a pair of terminals for the passage of high potential current therethrough, a spark gap comprising a pair of spaced bimetallic members, one connected to each of said terminals to limit an arc which may be drawn between said plug and receptacle connections for the distance defined by said spark gap whereby the heat of an arc drawn between said bimetallic members will reduce the distance therebetween.

2,069,251

INTERCONNECTING TELEGRAPH REPEATER SYSTEM

Fullerton S. Kinkead, Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 24, 1935, Serial No. 32,867
7 Claims. (Cl. 178—69)



1. A signal repeating system including a plurality of individual repeaters for two-way signaling between their associated line circuits and each having a line side and a local side, a one-wire multiple connection having a branch connected to each of said local sides for transmission of signals between them and an alarm system for detection of opens in said connection and branches comprising a plurality of relay means each connected to the extremity of one of said branches, high resistance circuit means connected to an extremity of said multiple connection and a source of potential connected between said relay means and said high resistance circuit.

2,069,252

ENAMEL AND VARNISH

Harvey G. Kittredge and Albert J. Turner, Dayton, Ohio, assignors to The Kay and Ess Chemical Corp., Dayton, Ohio, a corporation of Delaware

No Drawing. Application December 28, 1934, Serial No. 759,549
4 Claims. (Cl. 134—26)

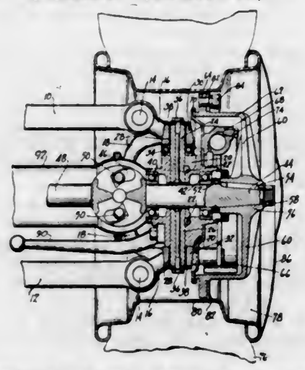
1. A composition of matter capable of drying in a hard irregular finish upon being baked from 200 to 225 degrees F., comprising a varnish composed of phenolic aldehyde resin 1 part, colophony 8 parts, glycerol 1 part, raw China wood oil, linoleate of lead, linoleate of cobalt and petroleum naphtha; a second varnish composed of a phenolic resin which is a condensate of pure phenol, raw China-wood oil, toluol and petroleum naphtha; raw China wood oil and a thinner of toluol and petroleum naphtha, and a light color paste ground in spar varnish.

2,069,253

WHEEL

Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York

Application August 25, 1933, Serial No. 686,722
4 Claims. (Cl. 180—43)



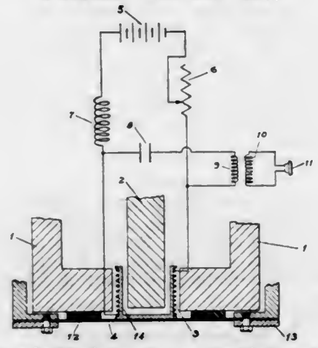
1. A vehicle wheel assembly comprising a bowed member having upper and lower coaxial bearings, a horizontal tubular member having upper and lower pivots journaled in said bearings, spaced anti-friction bearings in said tubular member on opposite sides of said pivots and seated against oppositely-facing annular shoulders in the ends of said member, a horizontal shaft journaled in said bearings and having an enlarged inner end lying at the side of the inner of said bearings remote from the pivots and forming part of a driving universal joint and which engages and holds against its shoulder the inner one of said anti-friction bearings and which shaft has mounted thereon an adjustable member engaging and holding against its shoulder the outer one of said anti-friction bearings, and a road wheel mounted on the outer end of said shaft.

2,069,254

SOUND APPARATUS

Willy Kunze, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application February 24, 1930, Serial No. 430,929
In Germany March 1, 1929
2 Claims. (Cl. 177—386)



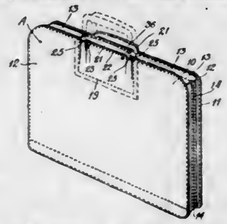
1. An electrodynamic converter comprising means for producing a magnetic field, a diaphragm, a coil fixed to said diaphragm and extending into said magnetic field, mechanical damping means comprising a solid yielding elastic compressible material adapted to be compressed by said diaphragm, said means being attached on the one side to said diaphragm, means presenting a substantially rigid surface touching said damping means on the other side and means for variably controlling the effect of said damping means comprising said coil, a source of electric current and adjustable means for varying the current in said coil, for compressing the said damping means, said coil serving to cooperate with the magnetic field to convert acoustic to electric energy.

2,069,255

BRIEF CASE

Samuel H. Lifton, Brooklyn, N. Y.

Application September 14, 1935, Serial No. 40,569
6 Claims. (Cl. 150—1.6)



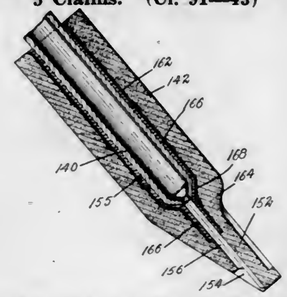
1. In a brief case, the combination of, disconnectible and hingedly associated complementary sections each of which comprises; an outer wall constituting a part of said case, a facing secured at its sides and bottom to a surface of said wall and forming with the latter an accessible pocket open substantially at the top of said facing, a handle comprising; an upper substantially horizontal grip portion, vertical side arms and a lower substantially horizontal brace, said handle being inserted in said pocket except for said grip portion, and a line of stitching partially closing the pocket opening defined by said wall and facing, said line of stitching extending between said side arms above said brace to define gaps between the sides of said pocket and said line of stitching for slidably guiding said arms, said line of stitching cooperating with said brace to limit upward displacement of said handle relative to said outer wall.

2,069,256

NOZZLE FOR SHOE COATING MACHINES

Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application February 20, 1936, Serial No. 64,965
5 Claims. (Cl. 91—43)



3 A flexible rubber nozzle comprising a hollow body having a cavity and a tip and having a minute passage extending from said cavity and

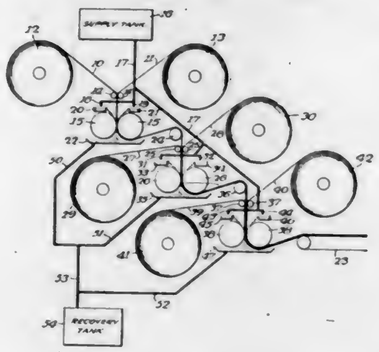
emerging near the end of the tip, said rubber nozzle containing a reinforcement which surrounds the inner end of the cavity and a portion only of the minute passage.

2,069,257

PROCESS OF AND APPARATUS FOR MANUFACTURING ARTIFICIAL LEATHER OR THE LIKE

Ernst Mahler, Neenah, and John B. Catlin, Appleton, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin

Application July 5, 1934, Serial No. 733,936
8 Claims. (Cl. 154—40)



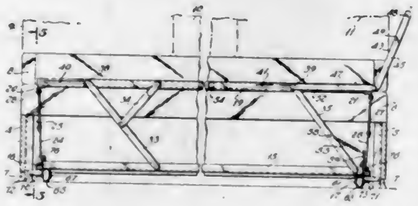
1. A process of fabricating a product of the character described, which consists in continuously moving a bat of creped tissue wadding through a compression zone, saturating said bat with a filling and binding liquid before it passes through said zone, continuously moving the wet bat through one or more additional compression zones, moving dry bats of similar material into contact with both sides of the wet bat at each said additional zone or zones and compressing them onto said wet bat, saturating said dry bats with a filling and binding liquid before they pass through said additional zone or zones, and then drying the resultant article.

2,069,258

COUCH BED

Joseph Martin, New York, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York

Application March 10, 1934, Serial No. 714,904
11 Claims. (Cl. 5—21)



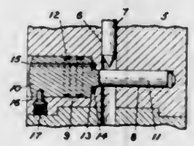
3. The combination with a lower frame, of an upper frame, two pairs of parallel moving lifting links, each link of one pair pivotally connected to one side of said lower frame and slot and pin connected to one side of said upper frame and each link of said other pair pivotally connected to the other side of said lower frame and slot and pin connected to the other side of said upper frame, a control bracket having parallel levers pivotally connected at their lower ends to said upper frame, cross rods connecting parallel arms of said levers to one another forming a handle for the user and a pillow support when in raised position, secondary links pivotally connecting the upper ends of said lifting links to intermediate portions of said levers, and guide links pivotally connecting the ends of the upper frame to the ends of the lower frame to guide said upper frame in a vertical movement when actuated by said lifting links.

2,069,259

DELAYED ARMING DEVICE FOR FUSES

Marvin L. Mathsen, Wharton, N. J.

Application August 7, 1936, Serial No. 94,816
3 Claims. (Cl. 102—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fuse, a body having a passage, an arming bolt slidably mounted in the passage and when movable therein during flight having a tendency to create a vacuum which retards its movement, an air inlet in the bolt for conducting air to the rear of the bolt to destroy the vacuum, said inlet dimensioned to control the degree of retardation and the rate of movement of the bolt, and packing around the arming bolt.

2,069,260

STEEL ROLL COMPOSITION

William J. Merten, Pittsburgh, Pa., assignor to The Nitralloy Corporation, a corporation of Delaware

No Drawing. Application May 18, 1933, Serial No. 671,721. Renewed March 24, 1936
11 Claims. (Cl. 148—31)

1. As a new article of manufacture, a machine part forged of a ferrous body containing carbon from .55 to .70 per cent., chromium above 4.0 and below 5.5 per cent., vanadium from .45 to .60 per cent., and molybdenum from .90 to 1.10 per cent., said machine part having a nitride-hardened surface.

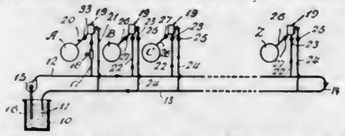
2,069,261

FEEDING DEVICE AND METHOD

Georges Monnet, Chateau de Franiere, Namur, Belgium, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France

Application November 8, 1934, Serial No. 751,979
In France November 8, 1933
10 Claims. (Cl. 51—263)

10. In combination with a pipe adapted to transmit an abrasive substance, an elastic tube constituting a part of said pipe and adapted to transmit said abrasive substance, a pinch valve, said elastic tube constituting a part of said pinch valve, and compressed air-actuated means for



compressing said elastic tube to interrupt the flow of said abrasive substance through said tube.

2,069,262

MANUFACTURE OF CHLORINATED RUBBER

Terence Neil Montgomery, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 11, 1935, Serial No. 6,127. In Great Britain February 13, 1934
8 Claims. (Cl. 260—1)

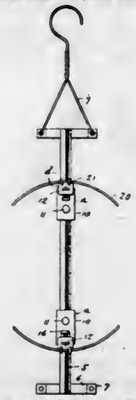
1. Process for the manufacture of chlorinated rubber which comprises reacting rubber in a finely divided condition with chlorine in the absence of solvent materials while simultaneously subjecting it to mechanical abrasion.

2,069,263

HAT HOLDER

James M. Moore, Kansas City, Mo.

Application December 4, 1935, Serial No. 52,894
3 Claims. (Cl. 211—31)



1. An apparatus of the class described comprising, in combination, an elongated member, a pair of frames on the elongated member, means for mounting the frames whereby they may be adjusted toward and away from each other and toward and away from the elongated member, said member being of V-shaped cross section, brackets of V-shaped formation having their apices fixed in the ends of the member.

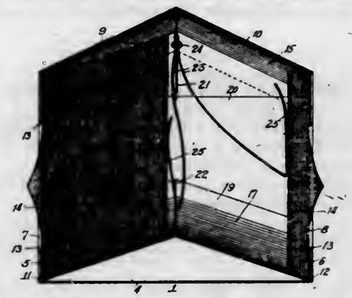
2,069,264

DISPENSING DEVICE

Elmer C. Morris, Chicago, Ill., assignor, by mesne assignments, to Robert-James Co., Chicago, Ill., a corporation of Illinois

Application June 7, 1924, Serial No. 718,419
Renewed April 21, 1936
8 Claims. (Cl. 312—61)

5. In a dispensing device for a stack of folded articles, the combination of a container comprising a compartment, one of the walls of which is provided with an opening for dispensing said articles therethrough, a support in the container in which the ends of the articles rest as they are pressed forward toward the dispensing opening, and a spring secured in said compartment and adapted to exert pressure forwardly and upwardly on the rear of the stack as the articles in front are removed, tending thereby to lift the stack of folded articles and to reduce the frictional pressure on the ends of the articles as said articles are moved forward on the support.



2,069,265

STABILIZED FATS AND OILS

Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application November 17, 1933, Serial No. 698,543
7 Claims. (Cl. 87—12)

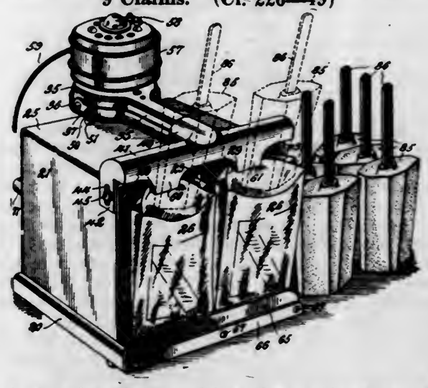
1. A refined glyceride selected from the group consisting of oils and fats subject to rancidity carrying a small percentage of a direct infusion of an oil containing seed including anti-rancidity constituents sufficient to inhibit substantial rancidity in said glyceride, the glyceride being substantially free from seed fibers.

2,069,266

BAGGING MACHINE

Robert F. Nicodemus, Frederick, Md.

Application June 13, 1933, Serial No. 675,619
9 Claims. (Cl. 226—49)



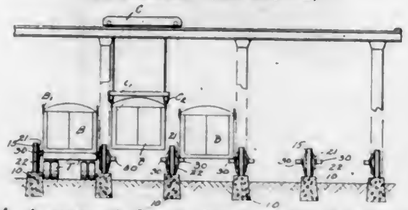
1. In a bagging machine, the combination of a holder for a plurality of bags collected together all in the same position and in collapsed condition; detent means engaging over the edge of the open side or mouth of the foremost bag in the holder and permitting release of said bag for its withdrawal from the holder without injury to the bag; a yielding detent lip adapted in normal position to engage over the edge of said foremost bag opposite the open side thereof and to be dis-

placed in removing the bag and to then automatically resume its said normal position; and means for injecting an air current into each bag when it becomes the foremost bag in the holder and thereby distendig the mouth of the bag.

2,069,267
APPARATUS FOR SUPPORTING DEMOUNTABLE BODIES

Ragnar A. Norbom, Clifton, N. J., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware

Application June 4, 1934, Serial No. 728,820
14 Claims. (Cl. 248—1)



14. A support for a demountable body, comprising a base, a pair of columns fixed in said base in a manner to demark one side of a vehicle entry-way, a toggle bracket on each column adapted to move toward the entry-way, a beam connected to each toggle bracket, whereby the thus connected toggle brackets move simultaneously, an end portion of each beam extending outwardly with respect to said entry-way, whereby the beam may be engaged by a vehicle entering the entry-way and cammed toward the columns, and means on the other side of the entry-way for supporting the body deposited on said beam.

2,069,268
COMBINATION DOOR

Martin H. Otto, Minneapolis, Minn., assignor to The Wabash Screen Door Company, Minneapolis, Minn., a corporation of Minnesota

Application July 24, 1935, Serial No. 32,923
5 Claims. (Cl. 20—36)



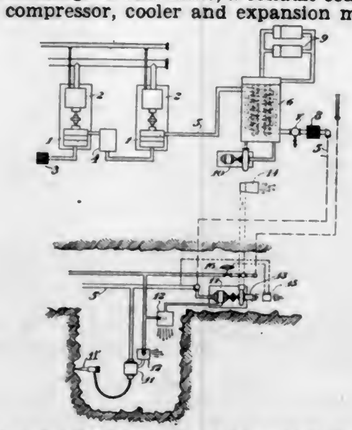
1. A closure for an opening of a housing structure, having an opening having marginally thereof at one side, a circumferentially continuous concave curved surface intersecting the face side of the door, a panel fitting within the opening and having a circumferentially continuous marginal projection overlapping and sealingly cooperative with the concave curved surface, said panel having stiles, and means for releasably securing the panel in weather-tight position, said means slidably traversing the stiles of the panel from the innermost sides thereof and entering sockets in the door, and being removable by motion toward the middle of the panel.

2,069,269
METHOD AND APPARATUS FOR DEHUMIDIFYING AND COOLING THE AIR OF MINES

Karl D. Perkins, Providence, R. I.

Application November 2, 1934, Serial No. 751,147
11 Claims. (Cl. 62—138)

3. In a mine-ventilating system, an air compressor, an air cooler, an expansion means in the deep workings of said mine, a conduit connecting said compressor, cooler and expansion means, a

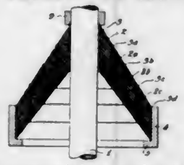


spray nozzle adjacent to said expansion means and means to supply water to said spray nozzle.

2,069,270
ELASTIC SPRING AND METHOD OF MAKING SAME

Emil H. Piron, New York, N. Y., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York

Application May 23, 1935, Serial No. 23,046
17 Claims. (Cl. 267—63)

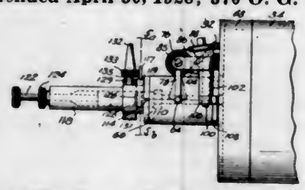


1. A spring comprising cylindrical concentric load imposing and load receiving members having elastic material therebetween and adapted to store energy in shear upon relative axial movement of said members, said material varying in axial length at any concentric cylindrical section substantially inversely with the radius whereby the shear area remains substantially constant throughout said material.

2,069,271
TORSIONAL VIBRATION RECORDING INSTRUMENT

Ford L. Prescott, Dayton, Ohio

Application September 5, 1931, Serial No. 561,488
21 Claims. (Cl. 234—5.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

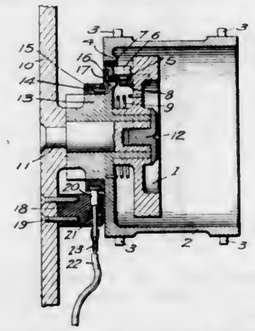


6. In a vibration indicating device, a pair of relatively light and heavy bodies having limited relative rotation about a common axis, the said relatively light body being enclosed within the relatively heavy body and the latter having an opening through which a portion of the said enclosed body is exposed and a movable indicator arm mounted on the said relatively heavy body and operatively connected with the exposed portion of the enclosed body to be moved in response to relative movements of the said bodies.

2,069,272
INERTIA OPERATED ELECTRICAL SWITCH

William H. Richards, Dayton, Ohio

Application August 17, 1934, Serial No. 740,279
4 Claims. (Cl. 200—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a camera film feed sprocket with offset cavity forming mounting flange, a freely rotatable flywheel spaced from but coaxially secured to the cavity surface of said flange, a driven pin secured to said flywheel and extending substantially to said cavity surface, a driving pin secured to said cavity surface and extending substantially to said flywheel, said driven and driving pins being parallel to and equidistant from the sprocket axis of rotation, means for yieldably securing initial contact between the aforesaid pins, and switching means associated with said sprocket and actuated upon predetermined angular separation between the aforesaid pins.

2,069,273
NONSLUDGING OIL

Raphael Rosen, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1933, Serial No. 704,763
10 Claims. (Cl. 87—9)

1. An oil of low sludging tendency, comprising a wax-free petroleum lubricating oil with a sludge dispersion agent which comprises a heavy fluid synthetic hydrocarbon of high ratio of hydrogen to carbon.

2,069,274
NONSLUDGING OIL

Raphael Rosen, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1933, Serial No. 704,764
12 Claims. (Cl. 87—9)

1. An improved lubricating oil of reduced sludging tendencies which comprises a wax containing mineral lubricating oil and a small quantity of a dispersion agent prepared by condensation of high boiling hydrocarbons at such elevated temperatures as to produce condensates without pour inhibiting properties.

2,069,275
PHENOLIC COMPOUNDS

Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 6, 1935, Serial No. 5,300
13 Claims. (Cl. 260—154)

1. A condensation product of a naphthanone and a mononuclear monohydric phenol whose para position to the phenolic hydroxyl is unoccupied.

2,069,276
LIFE LINE PROJECTILE

Michael J. Ryan, Denver, Colo., assignor to the Government of the United States, as represented by the Secretary of the Treasury

Application May 13, 1935, Serial No. 21,108
3 Claims. (Cl. 102—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

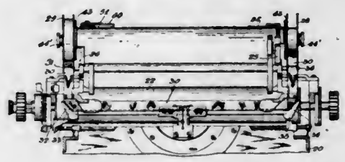


1. A projectile adapted to be discharged from the barrel of a gun comprising a nose piece adapted to extend from the muzzle of a gun barrel, a push rod attached axially to said nose piece and adapted to fit within and be discharged from a gun barrel, a line towing rod spaced parallel along one side of the axial push rod and having its forward end attached to the base portion of said nose piece, means extending from the rear end of said towing rod to a point on the opposite side of the push rod from that of the towing rod for attaching a line, whereby the weight of the towed line is counterbalanced in flight by the towing rod.

2,069,277
REVERSIBLE RIBBON FEED MECHANISM

Guido M. Sacerdote, Bayside, N. Y.

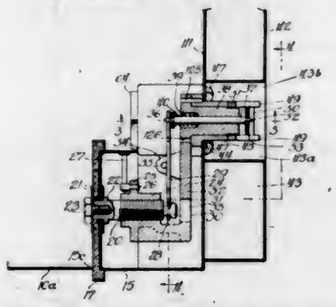
Application July 6, 1934, Serial No. 734,015
4 Claims. (Cl. 197—153)



3. In a typewriting machine, two ribbon reels, a ribbon adapted to be alternately wound upon one of said reels and unwound from the other, a driving shaft, a reel engaging sleeve loosely mounted at each end of said shaft, clutch members shiftable on said shaft adapted to connect one or the other sleeve to said shaft, a shifting rod adapted to operate said shiftable clutch members, means directly actuated by said ribbon for operating said shifting rod, power storing spring means interposed between said operating means and said rod, for transmitting movement from the former to the latter, a double conical friction shoe mounted on said shifting rod, and a spring member mounted in the path of said fric-

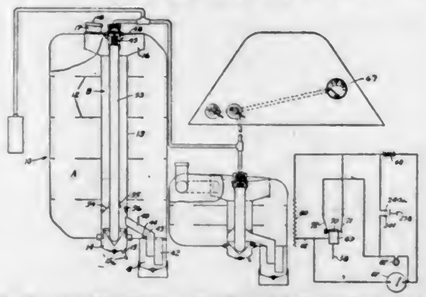
tion shoe, tending to oppose the movement of said shifting rod from either of its extreme positions to the other.

2,069,278
HEAT REGULATOR FOR OVENS AND THE LIKE
Warren W. Sackett, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 14, 1931, Serial No. 580,819
18 Claims. (Cl. 236—15)



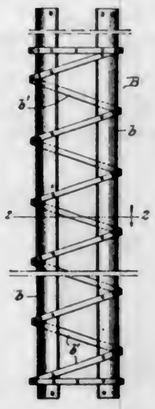
3. In combination, a planar thermal sensitive device pivoted intermediate its ends, a plunger cooperable therewith and extending normal thereto, a selecting stem disposed with its axis generally parallel the axis of said plunger and offset with respect thereto, and a lever fulcrumed between said plunger and said stem and cooperating with the plunger on one side of said fulcrum and with the stem on the opposite side of said fulcrum.

2,069,279
LIQUID MEASURING APPARATUS
David Samiran, Dayton, Ohio
Application April 16, 1935, Serial No. 16,625
17 Claims. (Cl. 73—82)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



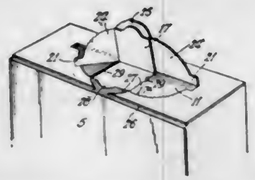
1. In combination, a main container for a variable column of liquid, an auxiliary container, a main fluid outlet in one of said containers, means for confining a continuous column of liquid in said auxiliary container, means operatively connecting said main container to said auxiliary container to permit uninterrupted flow of all the fluid from said main container through said outlet but prevent any flow of the confined liquid from said auxiliary container through said outlet until a predetermined differential in the heads of liquids in both containers is obtained, and means for continuously measuring head differences between the liquids in said containers.

2,069,280
COMPOSITE STRUCTURAL STEEL AND REENFORCED CONCRETE CONSTRUCTION
Karl R. Schuster, New York, N. Y.
Application June 18, 1928, Serial No 286,202
Renewed April 29, 1935
28 Claims (Cl. 72—76)



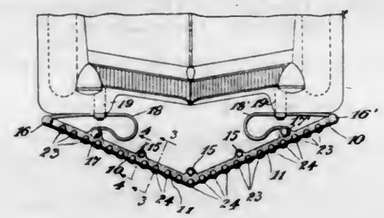
26. In combination in a construction, a plurality of spaced unitary cages arranged in endwise alinement, a plurality of beams in the spaces between said unitary cages, means for rigidly connecting the ends of said beams to said unitary cages whereby the bending moment of said beams is reduced.

2,069,281
CARTON
Bernhard B. Sebreny, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1936, Serial No 102,493
5 Claims. (Cl. 229—17)



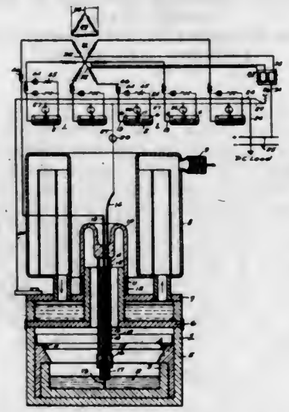
1. A container having an inner flap and an outer flap overlapping said inner flap and forming therewith a wall of the container, the outer flap being provided with a lip portion adapted to be separated from the flap along predetermined lines and bent to angular position relative to the flap along a predetermined line, end portions of said lip being foldable towards each other to form sides cooperating with an intermediate portion of the lip to form a spout, the inner flap being provided with a portion secured to said intermediate lip portion and separable from the inner flap as an incident to bending of said lip to angular position, thereby to form an opening in said inner flap through which said folded lip end portions are adapted to be projected into the container, whereby said spout is adapted to be repeatedly opened to form a dispensing spout and closed to close the container.

2,069,282
BUMPER
Noah I. Silverman, New York, N. Y.
Application July 28, 1934, Serial No 737,325
3 Claims. (Cl. 293—55)



1. In a vehicle bumper, in combination, similar upper and lower members spaced from each other, resiliently yieldable means adapted to attach said members to a vehicle to extend across an end of the latter, said means being adapted to provide for the yielding movement of said members toward the vehicle throughout their length, means adapted to maintain said members in fixed position with respect to each other, and a plurality of bumper elements disposed between said members and carried thereby to rotate about vertical axes, said elements being arranged in a series extending longitudinally along said members, said members having outer faces beyond which said bumper elements extend, said outer faces and said series being similarly of substantially a V-shape longitudinally thereof between their opposite ends with their median salient angle directed outwardly away from the vehicle and being inclined away from the apex of such angle to their opposite ends.

2,069,283
ELECTRIC ARC DEVICE
Joseph Slepian, Pittsburgh, and Leon R. Ludwig, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1932, Serial No. 626,866
57 Claims. (Cl. 175—363)

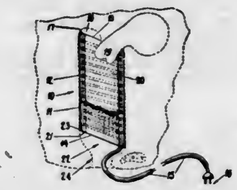


6. An arcing device comprising two spaced electrodes between which an arc is to be struck, and a make-alive device therefor, said make-alive device having a portion of poorly conducting material contacting with one of said electrodes which is to become the cathode of the arc, said portion being of such electrical and geometric characteristics as to produce a gradient of 100 volts per inch along it without prohibitively large current.

22. A vapor-arc asymmetrically conducting device comprising a sealed-off, evacuated, thoroughly treated-out container whereby the device operates without any pumping during its operation, a single active main cathode of vaporizable reconstructing cathode-material, a single active main anode, a make-alive of resistance material in contact with the main cathode for forming a cathode spot on the main cathode only at the beginning of each conducting period of the device and means for interrupting current flow to said make-alive electrode whereby substantially no ions or electrons are supplied to the space between said main cathode and said main anode during non-arcing periods.

50. A lightning arrester for use on alternating-current circuits, comprising a perforated tube of insulating material, an electrode in each end of the tube, the length of the tube being such that a power arc formed therein will automatically go out when the voltage passes through zero without of itself restriking in reverse polarity, make-alive means associated with each of said electrodes within said tube for selectively forming a cathode spot on either one of said electrodes, and excess-voltage-responsive means for energizing said make-alive means.

2,069,284
ELECTROTHERMAL THERAPEUTIC APPARATUS
David I. Solomon, New York, N. Y.
Application February 6, 1935, Serial No. 5,166
4 Claims. (Cl. 128—401)

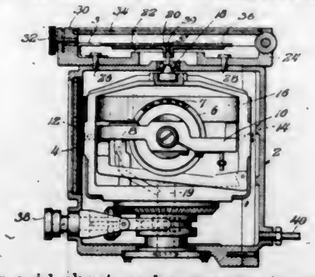


1. An electro-thermal therapeutic appliance comprising a tubular member made of pliant material and having a through central aperture, electric resistance means disposed intermediate the inner and outer walls of said tubular material, said appliance being oblique to the longitudinal axis of an organ being treated at one end and having connections for an electric circuit at the opposite end, said through aperture permitting visibility therethrough of the organ being treated.

2,069,285
ORIENTATION DEVICE
Horace Stark, Detroit, Mich.
Application March 6, 1936, Serial No. 67,543
7 Claims. (Cl. 33—204)

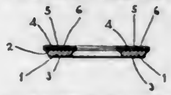
1. An orientation device for aircraft adapted for directly locating the direction of objects at a terminus and to assist in flying a predetermined course to a terminus which comprises a neutrally mounted gyroscope having three degrees of freedom with its spin axis normally horizontal, a

chart showing objects in their relative dimensions and positions at a terminus, and means con-



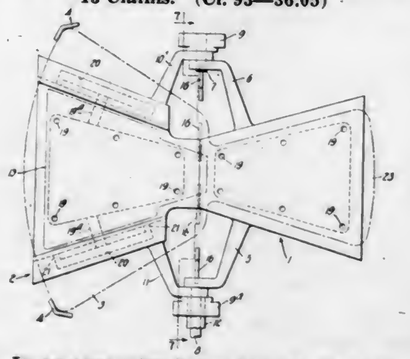
necting said chart and gyroscope to maintain a desired orientation of said chart during landing.

2,069,286
ORNAMENT
Frank J. Strassner, Maplewood Township, Essex County, N. J.
Application December 11, 1934, Serial No. 756,944
6 Claims. (Cl. 41—34)



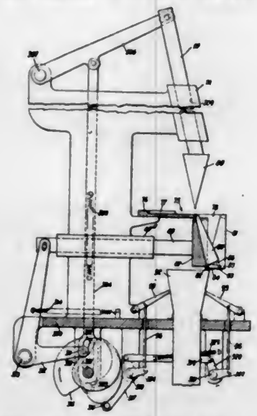
1. A metal ornament having a rear surface and carrying a binding medium whereby to secure the same to a surface to be ornamented, said medium comprising a coating of non-water soluble cement adhering to said ornament surface, and a coating of water soluble adhesive adhering to said first coating, said second coating being adapted to be moistened for adhesion to said second surface.

2,069,287
MANUFACTURE OF DRINKING CUPS
Francis P. Swallow, Worcester, Mass., assignor to United States Envelope Company, Worcester, Mass., a corporation of Maine
Application February 12, 1934, Serial No. 710,945
13 Claims. (Cl. 93—36.05)



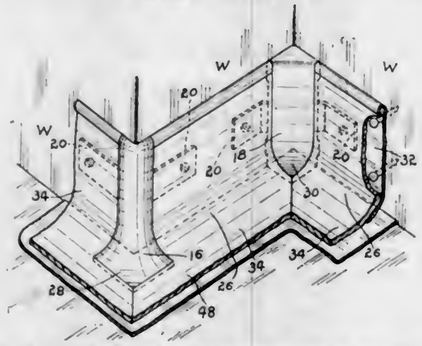
1. In an apparatus for making sanitary drinking cups, in combination, a pair of pivotally connected formers for engaging oppositely extending blank sectors, one of the formers being concave and provided with curved side recesses to bend the blank and turn side marginal portions of one sector thereof inward, and means for relatively swinging the formers toward one another to fold the blank transversely and superpose upon the inturned side marginal portions of one sector, the side marginal portions of the other sector.

2,069,288
MANUFACTURE OF SANITARY DRINKING CUPS
Francis P. Swallow, Worcester, Mass., assignor to United States Envelope Company, Worcester, Mass., a corporation of Maine
Application February 12, 1934, Serial No. 710,946
25 Claims. (Cl. 93—36.05)



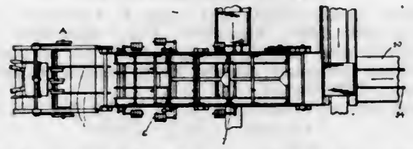
1. In a machine for making sanitary drinking cups from blanks of sheet material, each composed of a pair of oppositely extending sector-like portions, in combination, a concave former, the cavity of the former being wedge-shaped and having a flat base and rounded side recesses, and the former being open at one end and one side, a second former pivotally connected to the first, spring means urging the second former toward the first to cause the inner face of the second former to lie normally in juxtaposed relation to the flat base of the first former, and a wedge-shaped male former insertable between the first and second formers to insert a blank and fold it substantially into finished cup form.

2,069,289
METAL BACKED COVE AND END CLOSURE FOR THE SAME
Harold G. Swendsen and Carl L. Young, Seattle, Wash.
Application November 24, 1934, Serial No. 754,643
7 Claims. (Cl. 20—6)



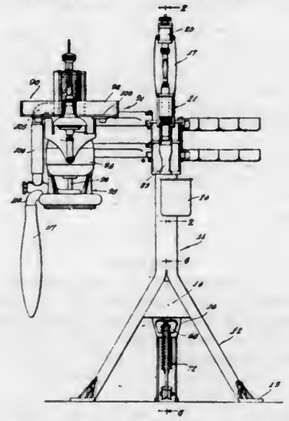
1. A coved floor border comprising a wall portion and a floor portion and a corner opening therein, a corner piece fitted in said opening and conforming to the coved border, a backing strip for the border, laterally extending fastening means on the corner piece and located between the backing strip and an upright wall, and means for securing said fastening means to said wall.

2,069,290
SORTING AND COUNTING DEVICE
William E. Taylor, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 18, 1928, Serial No. 278,813
12 Claims. (Cl. 93—93)



1. In a machine for counting and stacking metal sheets and in combination, means for counting perfect sheets passing through the machine and directing said sheets to one of a plurality of discharge points, stacking elements swingable upward and inward and downward at the sides of the machine for receiving and depositing the sheets successively, and means for actuating said stacking elements.

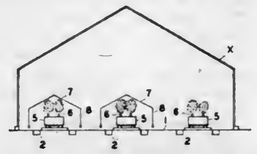
2,069,291
BRAKE LINING MACHINE
Hjalmar Thomason, Los Angeles, Calif.
Application February 9, 1933, Serial No. 655,965
16 Claims. (Cl. 164—97)



1. In a punching machine having a head with an upper and a lower arm, a punch in the upper arm, a reciprocating die mounted in the lower arm, said die having a pressure surface on its lower end, there being an axial passage with a lateral opening in the die, a hollow double lever having a cam to engage the pressure surface of the die, said lever having a discharge opening, and means to oscillate the said lever whereby the die is brought into punching relation with the punch; the punched material being adapted to discharge through the said passage, the opening in the die, the hollow lever and the opening in the lever.

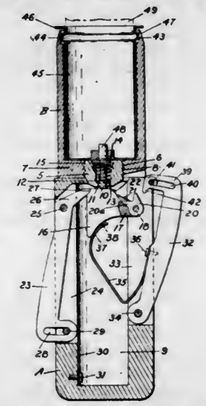
2,069,292
METHOD OF FORCING PLANT GROWTH
Clarence H. Walker, San Mateo, Calif.
Application March 17, 1936, Serial No. 69,300
7 Claims. (Cl. 47—58)

5. The method of forcing the floral productivity of plants consisting of subjecting plants to an impounded atmospheric humidity near the point of saturation for the given growing tem-



perature, and maintaining substantially such atmospheric condition during the blooming period of said plants.

2,069,293
HOLDER FOR CARTRIDGES
Samuel Wiley, Metuchen, N. J.
Application February 19, 1934, Serial No. 711,980
6 Claims. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A firing mechanism comprising a support constituting a handle and having slots in opposite sides, a firing pin mounted in the support, a hammer within the support, a pivot pin for mounting the hammer, a sear mounted on the pivot pin of the hammer, a sear spring holding the inner side of the sear against the hammer, a safety lever disposed in one of the slots of the support, a pivot pin in the vicinity of the hammer for mounting the safety lever, means for normally holding the safety lever in engagement with the hammer, a trigger lever disposed in the other slot of the support, a pivot pin remote from the hammer for mounting the trigger, a spring secured to the trigger and acting on the hammer, and a foot on the trigger having a toe engageable with the sear.

2,069,294
MANUFACTURE OF OIL SOLUBLE PHENOLS
Charles Patton Wilson, Jr., Houston, Tex.
No Drawing. Original application December 17, 1930, Serial No. 503,095. Divided and this application December 14, 1931, Serial No. 581,068. Renewed November 27, 1934
18 Claims. (Cl. 260—154)

1. A process for the manufacture of a mixture of oil-soluble phenols which comprises condensing a polyhydric phenol with a cracked hydrocarbon distillate in the presence of heat and dilute sulfuric acid thereby combining unsaturated hydrocarbon components of the distillate with

the phenol to form alkyl substituted derivatives of said phenol.

10. A composition of matter comprising essentially a complex mixture of substituted phenols, said phenols being oil-soluble and consisting essentially of a polyhydric phenol containing unsaturated hydrocarbon components of a cracked hydrocarbon distillate as substituent groups.

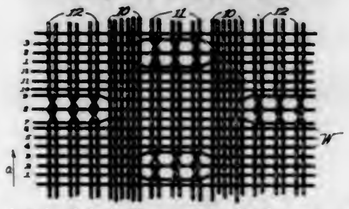
2,069,295

ELASTIC FABRIC WITH LENO WEAVE

Henry W. Wilson, Stoughton, Mass., assignor to J. W. Wood Elastic Web Co., Stoughton, Mass., a corporation of Massachusetts

Application November 18, 1935, Serial No. 50,298

1 Claim. (Cl. 139—419)



An elastic fabric having weft threads, regular elastic warp threads and leno elastic warp threads, said regular warp threads and said leno warp threads being disposed in separate sets alternating transversely of the fabric and with every other set formed entirely of leno elastic warp threads, the leno warp threads in certain sets being douped about each other in interlooped pairs on successive picks at points in the fabric spaced substantially apart warp-wise by a plurality of interposed picks in which no leno warp threads are douped and with a set of regular elastic warp threads disposed at each side thereof, and the leno warp threads in the remaining sets being douped about each other in interlooped pairs on successive picks at other points in the fabric which are spaced substantially apart warp-wise by a plurality of interposed picks in which no leno warp threads are douped and with a set of regular elastic warp threads disposed at each side thereof, and the douped portions of said remaining sets being located warp-wise between the douped portions of the first-named sets of leno warp threads and being substantially spaced warp-wise from each of said douped portions.

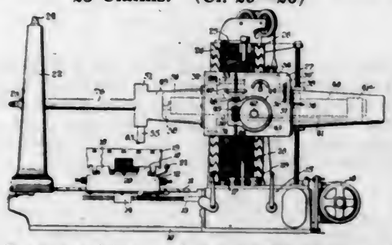
2,069,296

MACHINE TOOL AND METHOD

Raymond M. Woytych, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin

Application May 8, 1933, Serial No. 669,846

25 Claims. (Cl. 29—26)



1. In a machine tool, in combination, a tool headstock, a spindle journaled in said headstock, a housing fixed for rotation with said spindle, a tool holder slidably mounted in said housing for adjustment transversely of said spindle and projecting laterally from said housing, means in said housing for adjusting said tool holder, means including said spindle and movable longitudinally for actuating said last mentioned means, and means for rotating said spindle.

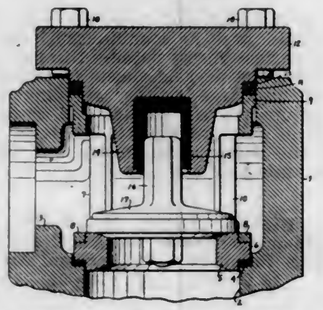
2,069,297

VALVE

James S. Abercrombie, Joseph A. Tennant, and Herbert Allen, Houston, Tex., assignors, by direct and mesne assignments, to Stephens Pump Company, Round Rock, Tex., a corporation of Delaware

Application January 23, 1932, Serial No. 588,262

5 Claims. (Cl. 251—127)



2. The combination of a valve body; a valve seat; a seat gasket between said body and said seat; a valve cage interiorly of said valve body engaging said seat; a valve for said seat; a body cover adjustable with respect to said cage and said body; and a cover gasket between said cage and said cover; said gaskets being compressible by said cover; said cover gasket being constructed with a shorter leakage path than said seat gasket so as to offer less resistance to leakage than said seat gasket.

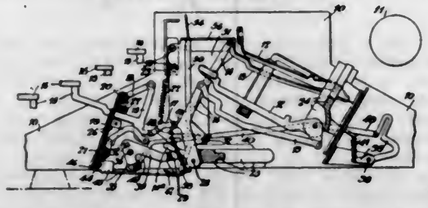
2,069,298

TYPEWRITING MACHINE

Henry Allen Avery, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York

Application September 7, 1935, Serial No. 39,515

19 Claims. (Cl. 197—33)



1. A typewriting machine having, in combination, a main frame, a set of key-operated type actions mounted in the main frame, a spring-returned universal bar mounted in the main frame for movement by the type actions, a pressure device mounted in the main frame for movement toward and from the universal bar in the path of movement of the universal bar and spring-urged toward the universal bar, and means on the main frame manually adjustable to variably limit spring-urged movement of said device toward the universal bar.

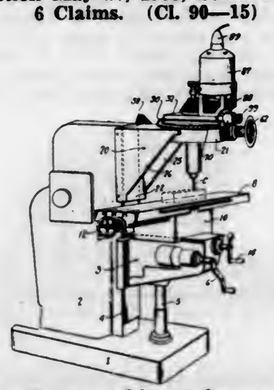
2,069,299

MILLING MACHINE

Howard W. Bartholomew, Pottstown, Pa., assignor to Doehler Die Casting Company, Toledo, Ohio, a corporation of New York

Application May 27, 1935, Serial No. 23,562

6 Claims. (Cl. 90—15)



1. In a milling machine, a frame, a vertically adjustable work table carried thereby, means to move the table laterally in different directions with respect to the frame, a cutter spindle, rotatable supporting means for the spindle, means to mount the rotatable supporting means on the frame in operative relation to the table, means to actuate the spindle supporting means, means to move the cutter spindle radially of the supporting means to effect varying cutting positions thereof relative to the work supporting table and releasable means carried by the spindle intermediate its ends and engaging a portion of the rotatable supporting means to retain the spindle in its radially adjusted position relative to the supporting means.

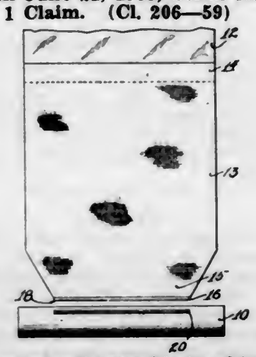
2,069,300

SHIPPING CARRIER FOR ROLLS

Edwin O. Carlson, Chicago, Ill., assignor to Copy Papers, Inc., Chicago, Ill., a corporation of Illinois

Application June 21, 1935, Serial No. 27,657

1 Claim. (Cl. 206—59)



In a duplicator roll assembly in which an elongated tube frictionally engages a smooth spindle but is slidable thereon because of the absence of protuberances on the inner face of the tube, an elongated tube of fibrous material, such as paper board, provided with a longitudinally extending slot in the wall thereof and disposed intermediate the ends thereof, an anchor member of substantially the thickness of the wall of said tube laid in said slot, and a roll of gelatin having a leader strip secured to said anchor member, said tube providing a core on which a roll of gelatin is anchored and wound, and providing with said gelatin roll and its anchor an assembly readily slidable over a smooth spindle for use in a duplicator.

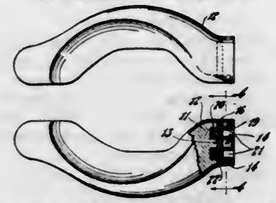
2,069,301

TOILET SEAT

George W. Carlson, Monson, Mass., assignor to C. F. Church Mfg. Co., Willimansett, Mass., a corporation of Massachusetts

Application September 6, 1933, Serial No. 688,363

13 Claims. (Cl. 4—237)



1. In a toilet seat adapted to have a hinge member secured thereto by means of a plurality of externally threaded metallic members engaging with an internally threaded metallic member, a wood core for said seat having a plurality of apertures therein in each of which a portion of one of said externally threaded metallic members is adapted to be positioned, and a coating of plastic composition extending over said core and lining the internal walls of said apertures with one continuous unbroken coating.

2,069,302

MANUFACTURE OF HYDROXY ALIPHATIC AMINES

Henry Dreyfus, London, England

No Drawing. Application May 5, 1931, Serial No. 535,285. In Great Britain June 16, 1930

10 Claims. (Cl. 260—127)

1. Process for the production of hydroxy primary aliphatic amines, which comprises subjecting the nitriles of aliphatic α-hydroxy carboxylic acids to reduction.

4. Process for the production of ethanolamine comprising subjecting glycollic acid nitrile to reduction.

2,069,303

PROCESS OF TREATING TEXTILE MATERIALS AND PRODUCT THEREOF

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 7, 1931, Serial No. 573,718. Renewed June 26, 1936

14 Claims. (Cl. 91—68)

1. Process for the production of textile materials of improved properties, which comprises applying to textile materials, containing an organic derivative of cellulose, a preparation containing a water-insoluble lower monohydric alcohol ester of a higher fatty acid and drying the textile materials while retaining said ester therein.

2,069,304

STEREOPTICON SLIDE

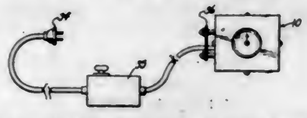
Philip S. Fischer, Chicago, Ill.

Application August 10, 1936, Serial No. 95,086

5 Claims. (Cl. 88—26)

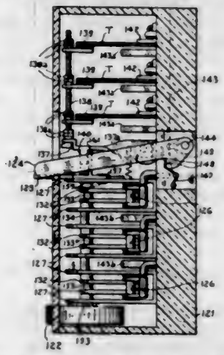
1. A stereopticon slide comprising a transparent plate having an index, a rotor rotatably secured

thereto provided with graduations, and an induction motor having a plurality of field coils secured to said plate and causing said rotor to



revolve, said rotor comprising a transparent disc surrounded by a conducting ring cooperating with said field coils.

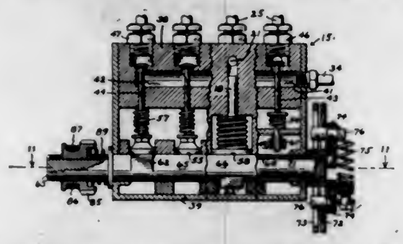
2,069,305
AUTOMATIC RESET CIRCUIT BREAKER
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original application April 21, 1933, Serial No. 667,149. Divided and this application August 24, 1935, Serial No. 37,728
18 Claims. (Cl. 200—116)



1. A multipole automatically resetting circuit breaker unit for a multipole line, including a plurality of operated members, one for each phase, means providing each member with a constant tendency to move to and from on and off positions, successively and repeatedly, and a plurality of elements, one for each phase, each of which is arranged to be energized on an abnormality in its phase, and thereafter to be deenergized automatically, each element being arranged to control the movements of all the members, so that all of the latter will go through successive and repeated cycles of movement, stopping in each of their two positions momentarily, at least, so long as there exists an abnormality on any one or more phases of the line.

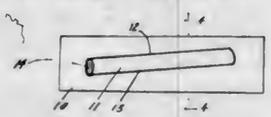
2,069,306
FUEL INJECTION CONTROL
Malte Hansson, Alameda, Calif.
Application August 6, 1934, Serial No. 738,639
2 Claims. (Cl. 123—140)

1. In a pump for effecting an intermittent delivery of liquid charges therefrom, means providing a closed working chamber having intake and delivery and relief passages therefor, a normally withdrawn displacement piston for intermittent operative projection into said chamber, means constantly and yieldingly operative to urge a withdrawn disposal of said piston, a valve operative in said intake passage, means constantly and yieldingly operative to urge the opening of said intake valve, a valve operative in said relief passage, means constantly and yieldingly operative to urge the closing of said relief valve, simultaneously operative and different cam shafts providing cams for periodically actuating said piston and valves during a rotation of the shafts whereby the intake valve is arranged to be temporarily closed solely during a working stroke of the piston and the relief valve is arranged to be opened while the intake valve is closed, mutually engaged spiral gears connecting the relief-valve-operating shaft with the piston-operating



shaft and arranged for a relative axial shifting thereof whereby to adjustably vary the timing of the opening of the relief valve with respect to the operative actuation of the piston while the connected shafts are actuated at like rotative speeds, means manually operative for effecting a relative adjustment of one said spiral gear with respect to the other, and means connecting the intake-valve-operating shaft with the piston-operating shaft for the operation of these shafts at like speeds.

2,069,307
METHOD OF TREATING ELECTRODES OF NEGATIVE GLOW DEVICES
Andrew F. Henninger, Jr., Chicago, Ill.
Application February 24, 1931, Serial No. 518,037
5 Claims. (Cl. 176—14)



5. The method of forming negative glow devices having electrodes which consists in applying to the surface of one of the electrodes as an outline of a design a coating of luminescent chemical in solution with a binder of collodion which material has the characteristic of becoming black when subjected to bombardment in the presence of active gas.

2,069,308
NEGATIVE GLOW DEVICE
Andrew F. Henninger, Jr., Chicago, Ill.
Application January 11, 1935, Serial No. 1,356
10 Claims. (Cl. 176—14)

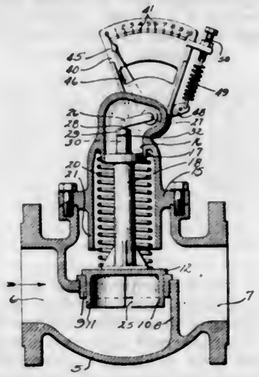
1. In a negative glow device, a tubular envelope of transparent material, a plurality of electrodes in said envelope, one of said electrodes overlying another, a curved sheet of insulating material of substantial area within said envelope and extending generally longitudinally thereof, means for supporting said electrodes from said sheet in insulated relation to each other all of said electrodes being on one side of said sheet, a press within said envelope, terminals extending from said press and conductors for electrically joining said electrodes to said

terminals, said sheet having perforations therein through which said conductors pass, said



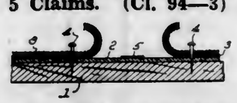
conductors being positioned on the side of said sheet opposite to said electrodes.

2,069,309
FLOW INDICATOR
Roy O. Henszey, Oconomowoc, Wis.
Application July 26, 1934, Serial No. 737,016
6 Claims. (Cl. 73—208)



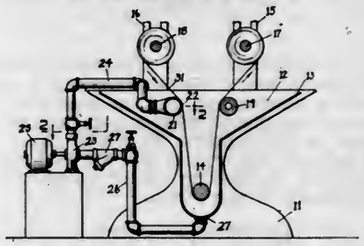
1. In a flow meter, the combination with a valve casing providing a seat and having an opening registering therewith, of a closure for said opening having a skirt projecting toward said seat, a valve member flanged to engage said seat and having an apron axially movable through said seat and provided with a radial metering aperture, said valve member being engageable with the skirt of said closure to limit its movement respecting said seat, a cylinder provided in said closure and having a sleeve-like extension toward said seat, a valve stem connected with said valve and provided with a piston operating in said cylinder and cylinder extension, a compression spring seating around said sleeve-like extension and upon said valve member, a rock shaft journaled in said closure and having a rocker arm projecting into the path of movement of a portion of said stem, indicating means carried by said rock shaft externally of said closure, and a relatively lighter spring operatively connected with said rock shaft whereby to maintain said arm in contact with said stem portion and to supplement the action of said first mentioned spring, said lighter spring being adjustable as to its bias on said rock shaft.

2,069,310
CARPETING
Frank H. Higgins, Upper Montclair, N. J.
Application December 22, 1933, Serial No. 703,664
5 Claims. (Cl. 94—3)



1. A floor covering comprising a fibrous, cushioning carpet lining, strips of fabric having a colored figured pile face and a backing with the pile yarn woven positioned on said lining with cut matching edges of said strips forming an unsewn joint therebetween, said lining and backing having substantially the same surface area and a water insoluble adhesive cement securing said backing to said lining adjacent said joint and anchoring the pile yarn along the cut edges to said backing and to the lining and securing the abutting cut edges so that the pile obscures the joint.

2,069,311
METHOD AND APPARATUS OF SCOURING AND DYEING
Thomas Harvey Hilliard, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware
Application February 20, 1934, Serial No. 712,127
6 Claims. (Cl. 8—19)



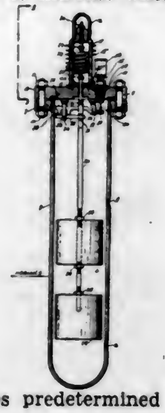
1. Method of treating textile fabrics with a liquid bath, which comprises injecting the liquid of the bath into and through the fabric at the moment that the fabric is submerged in the bath.

6. Apparatus for treating textile fabrics with a liquid, comprising a tank for the liquid, means for guiding the fabric through the tank and means for applying liquid under pressure onto the fabric, the construction and arrangement being such that liquid applying means is positioned substantially at the point where the fabric is submerged in the liquid in the tank.

2,069,312
LIQUID LEVEL INDICATOR
Curtis L. Howse, Detroit, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application May 15, 1933, Serial No. 671,079
13 Claims. (Cl. 116—110)

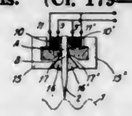
1. In a liquid level indicator, a container for the liquid, a rod suspended interiorly of the container, a weight fixed to said rod above the normal liquid level in the container, a second weight fixed to said rod below the normal liquid level in the container, a spring suspension for said rod

and associated weights and means actuated by said rod operable to indicate when the level of



the liquid reaches predetermined high or low limits.

2,069,313
ELECTRIC PICK-UP UTILIZING PIEZO-ELECTRIC CRYSTALS
Jean Jacques Hugon and Yves Rocard, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application April 28, 1933, Serial No. 668,404
In France April 30, 1932
5 Claims. (Cl. 179—100.41)



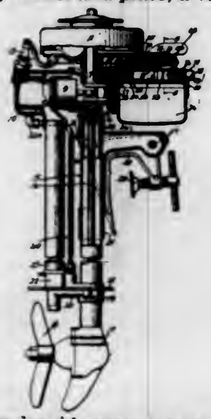
1. A pick-up comprising a support, a rigid assembly comprising a needle whose end is adapted to track a phonograph disk, at least one piezo-electric crystal placed between two electrodes and disposed in the support, an elastic mass interposed between the crystal and the said rigid assembly, and an electric circuit connected with the electrodes of the crystal.

2,069,314
PROCESS FOR MAKING BITUMINOUS COMPOSITIONS
James K. Hunt and Joseph Harrel Shipp, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1933, Serial No. 690,170
8 Claims. (Cl. 196—22)

6. Process which comprises distilling an asphaltite at 698–752° F. until 15–25% of its weight is lost.

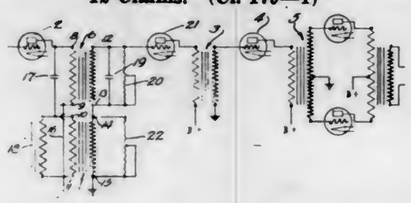
2,069,315
INTERNAL COMBUSTION ENGINE
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application April 5, 1935, Serial No. 14,875
9 Claims. (Cl. 123—73)

3. In a device of the character described, the combination with an upright crank shaft, of an internal combustion engine cylinder and crank case operatively associated with the crank shaft, a fly-wheel magneto above said cylinder on the crank shaft and provided with an angularly adjustable timer plate, a fuel reservoir adjacent the crank case and provided unitarily with a charge forming device including an air passage underlying said fly-wheel and plate, a valve controlling



air flow through said passage, a cam follower connected with said valve, and a cam connected with said plate for the movement of said valve to regulate air flow through the passage in accordance with the timing movement of said plate.

2,069,316
TRANSMISSION OF SOUND CURRENTS
Edward S. Lansing, Detroit, Mich.
Application October 16, 1931, Serial No. 568,249
12 Claims. (Cl. 179—1)

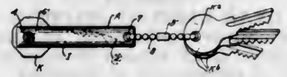


1. In a transformer coupled sound frequency dividing and transmitting system of the class described having one or more audio stages, a low frequency transformer unit and a high frequency transformer unit, a choke coil connected in parallel only with the primary of the high frequency transformer unit, a condenser connected in series parallel with the primaries of said units and said choke said high and low frequency transformer units being connected into the receiving circuit at a point ahead of the last audio stage, the secondaries of said transformer units being connected together in series, a variable resistance connecting the secondary terminals of the low frequency transformer unit acting to vary the input impedance to the following tube, and a condenser of predetermined capacity relative to the impedance of the low frequency transformer unit for blocking any high frequencies that might pass through the low frequency transformer unit.

2,069,317
KEY HOLDER
Joseph G. Lipic, Jr., St. Louis, Mo.
Application November 4, 1935, Serial No. 48,103
2 Claims. (Cl. 59—96)

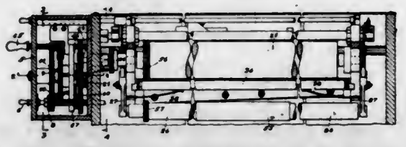
1. A key holder comprising an element having a slot formed longitudinally therein which is

open at one end of the element and at opposite sides thereof, said element being of solid formation at its other end, a pivot member extended across said slot at the end of the element where the slot is open and adapted to pivotally attach a key to the element so that said key may be



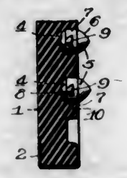
swung about said pivot member to a position within the slot or to a position extended outwardly beyond the end of the element where said slot is open, and means connected to said element at its solid end for receiving one or more other keys.

2,069,318
PHOTOCOPY MACHINE
Whitten P. Lloyd and Maxwell H. Hill, Rochester, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York
Original application July 19, 1935, Serial No. 32,246. Divided and this application January 15, 1936, Serial No. 59,260
8 Claims. (Cl. 271—2.4)



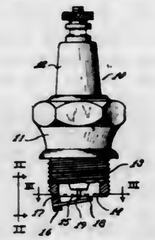
1. In a photocopy machine, the combination with paper feeding mechanism including a paper feed gear and a pressure roll for the paper, of paper clamping means normally in engagement with the paper, a rock shaft operatively connected to the pressure roll, means carried by the rock shaft engageable with the paper clamping means at the limit of the movement of the rock shaft in one direction, a rotatable member for operating the rock shaft whereby the pressure roll is moved into engagement with the paper during the first part of the movement of said rotatable member and the clamping means is disengaged from the paper at the limit of such movement of the pressure roll after it has engaged the paper, and connections between the rotatable member and the feed gear whereby the latter is operated during the further movement of the rotatable member in the same direction.

2,069,319
SIGN
Charles E. Lounsbury and Ralph J. Sheafe, Chicago, Ill.
Application March 21, 1934, Serial No. 716,598
1 Claim. (Cl. 40—130)



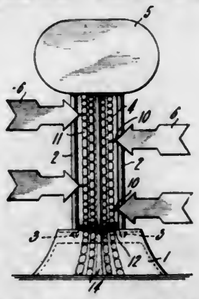
A sign construction comprising in combination, a base formed of resilient rubber and provided in one of its faces with a plurality of recesses having a concave bottom, and glass light reflecting units formed with retaining projections and a complementary convex rear surface adapted to be received in said concavity whereby when the units are forced into the recesses, the contraction of the rubber and said projections seating in the rubber surrounding the recesses anchoring the units in position, but permitting ready removal and/or replacement thereof.

2,069,320
SPARK PLUG
Leo J. McKone, Chicago, Ill., assignor of one-half to Dean D. Francis, Cleveland, Ohio, and one-eighth to Kenneth E. Lyman, Chicago, Ill.
Application July 17, 1935, Serial No. 31,804
6 Claims. (Cl. 123—169)



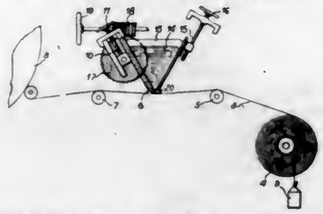
4. A spark plug comprising a coaxial electrode wire having a normal plane end face, a threaded skirt surrounding said wire and having an extension beyond said wire end face, said extension being joined to said skirt by a neck portion of reduced cross sectional area, and a second electrode wire secured in said extension and extending in non-parallel relation to the plane of said end face to define a spark gap of varying width.

2,069,321
TIRE DISPLAY RACK
Nelson E. McLaughlin, Larchmont, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 13, 1933, Serial No. 702,179
3 Claims. (Cl. 40—125)



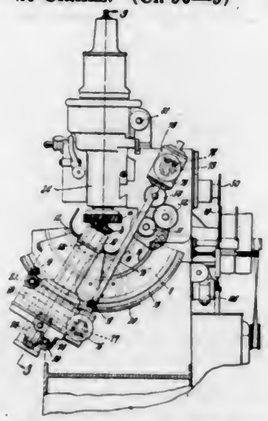
3. A display rack for automobile tires comprising a base, a pair of uprights extending upwardly from the base to receive a tire therebetween, a connecting member for the upper ends of the uprights, indicia for cooperating with a tire mounted in the rack, flexible wires resiliently supporting the indicia, and means for adjustably attaching the wires to the uprights, the free ends of the wires extending beyond the indicia to engage various parts of said tire and direct the indicia thereto.

2,069,322
FABRIC TREATMENT
Albert Mellor and Ralph James Mann, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application December 28, 1934, Serial No. 759,544
In Great Britain January 26, 1934
5 Claims. (Cl. 91—53)



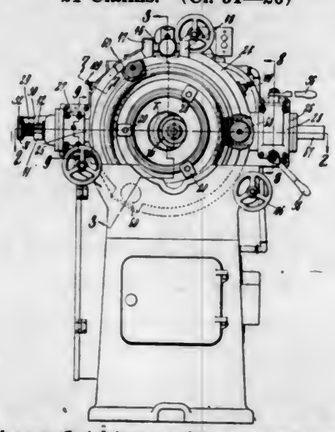
1. Apparatus for applying coating or filling material to a fabric, said appartus acomprising a pair of spaced supports for the fabric, means to draw a length of fabric under tension over the supports, and a hopper positioned between the supports, one side of the hopper forming a spreading knife projecting below the level of the supports so that the fabric is deflected from a straight line between the supports and presses against the knife by reason of the tension in the fabric, and the other side of the hopper comprising a plate inclined to the knife and having its lower edge spaced from the face of the knife at a point remote from the spreading edge of the knife and the line followed by the fabric as it approaches the knife to form a slot above the surface of the fabric for the passage of coating or filling material down the face of the knife and under the plate so as to form a pool of coating or filling material in advance of the plate on the fabric.

2,069,323
HELICAL GEAR SHAPING MACHINE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application December 14, 1932, Serial No. 647,175
29 Claims. (Cl. 90—9)



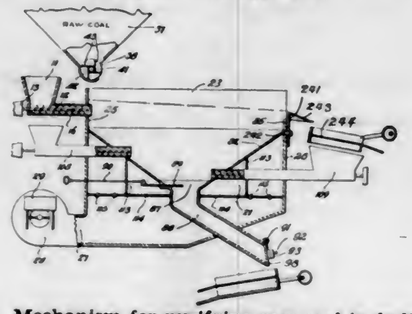
1. A helical gear generating machine comprising a lengthwise reciprocative and rotatable spindle adapted to carry a work piece, a gear shaper cutter having teeth arranged similarly to those of a spur gear, and means for holding said cutter with its axis inclined to the axis of said spindle but in a different plane therefrom, combined with means for giving simultaneous generative rotation to the cutter and work spindle while holding the cutter against axial displacement.

2,069,324
GEAR LAPPING MACHINE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application February 26, 1934, Serial No. 712,936
21 Claims. (Cl. 51—26)



17. A gear finishing machine comprising a driving shaft, a work spindle connected with said shaft to be driven thereby and having provision for axial movement relatively thereto, a finishing tool in the form of an internal gear conjugate to the work gear, supporting means for said tool holding the same rotatably in driven mesh with the work gear, and means for moving the spindle back and forth endwise simultaneously with the rotation of the shaft.

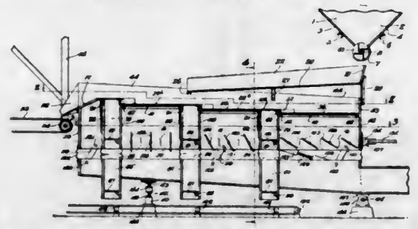
2,069,325
PROCESS AND MECHANISM FOR SEPARATING INTERMIXED DIVIDED MATERIALS
John D. Morgan, Summit, N. J., assignor to Richard Peale, Clearfield, Pa., W. Sanders Davies, New York, N. Y., and William B. Oakes, Rutherford, N. J., as trustees
Application August 5, 1931, Serial No. 555,160
12 Claims. (Cl. 209—474)



1. Mechanism for purifying raw coal including in combination means for producing a circulatory current of particulate fluidic medium having superior and inferior reaches substantially parallel to the surface of the medium, means for proportionally feeding raw coal to the superior reach of the current, and means for delivering the purified coal therefrom.

10. The process of purifying raw coal which comprises maintaining a body of dry particulate fluidic medium without bodily translational movement, forcing the particulate medium at and near the surface of the body in a current away from a feeding locus toward a discharge locus and causing a return flow by an inferior current from the discharge locus to the feeding locus, feeding raw coal to the top of the fluidic body at the feeding locus and discharging purified coal from the superior current at the discharge locus.

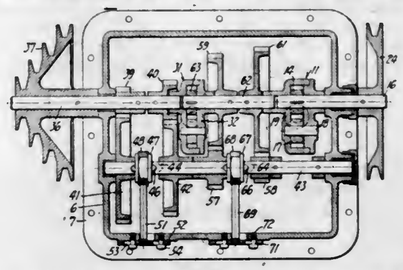
2,069,326
MECHANISM FOR SEPARATING INTERMIXED DIVIDED MATERIALS
Rembrandt Peale, Jr., St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del., a corporation of Delaware
Original application March 25, 1926, Serial No. 97,222. Divided and this application April 6, 1931, Serial No. 528,012. Renewed September 21, 1935
1 Claim. (Cl. 209—502)



A mechanism for purifying coal including in combination an air-pervious table, an air chamber underlying substantially the entire table, means for supplying air under pressure to the chamber, a plurality of compartments in the upper part of the air chamber, said compartments being disposed in a longitudinal series along the length of the table, and means for regulating the air current flow upwardly through the chambers to the table comprising longitudinal series of rotatable vanes mounted in each of the bottoms of the compartments, and subtending substantially the entire area thereof and control means operable from outside the air chamber for positioning the vanes for one compartment independently of those for the other compartments to thereby regulate the supply of air to substantially independent areas longitudinally of the table.

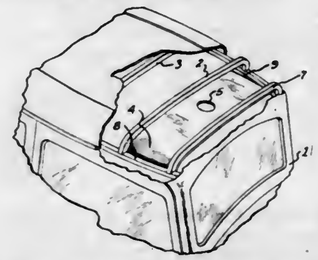
2,069,327
FUEL PUMP
William A. Ray and William R. Ray, San Francisco, Calif., assignors to General Controls Company, a corporation of California
Application December 11, 1935, Serial No. 53,920
1 Claim. (Cl. 103—87)

A fuel oil burner supply unit comprising a casing, a motor on said casing and having a power take off at each end thereof, a first pump in said casing for pumping oil into the casing and including a shaft extending out of said casing for driving from one of said power take offs, a second pump in said casing for pumping oil therefrom, and variable speed means provided between said other power take off and said second pump and including a driven shaft extending out of said casing and carrying a multi-step pulley cooperating with a like pulley on said other power take off, a countershaft in said casing, and variable speed



gear means for driving said countershaft from said driven shaft and for driving said second pump from said countershaft.

2,069,328
LOUDSPEAKER INSTALLATION FOR AUTOMOTIVE RADIO SETS
Ronald J. Rockwell, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application July 24, 1935, Serial No. 32,935
4 Claims. (Cl. 296—1)

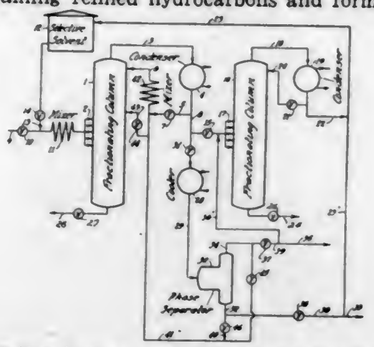


1. A loud speaker construction for vehicles having a roof, comprising a panel, means for interspacing said panel from said roof, said panel having an opening, and a loud speaker attached to said panel at said opening in such a way as to make the air on both sides of said panel responsive to vibrations set up by said loud speaker, said panel being of elongate shape and forming with said roof a resonator closed at least at its sides by members interposed between said panel and said roof which members constitute a means for interspacing said panel from said roof, said panel being also similarly closed at one end, but open at the other end.

2,069,329
PROCESS OF REFINING OILS
Petrus Jurjen Roelfsema, Walnut Creek, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 20, 1935, Serial No. 12,008
23 Claims. (Cl. 196—24)

1. The process of refining a hydrocarbon fraction containing sulfur compounds which comprises rectifying the said fraction together with a preferential solvent for the said sulfur compounds in a distillation zone maintaining the conditions of temperature and pressure in said zone to distill at least a substantial portion of the solvent together with refined hydrocarbons, withdrawing from the distillation zone a rectified top

product derived from the combined mixture and containing refined hydrocarbons and forming a



distillation bottom product in which sulfur compounds are concentrated.

2,069,330

DOBBY FOR WEAVING

Rudolf Rossmann, Gauting, near Munich, Germany, assignor to Tefag Textil-Finanz A.-G., Zurich, Switzerland

Application May 27, 1933, Serial No. 673,224
In Germany June 2, 1932
4 Claims. (Cl. 139—66)



1. In a dobby for weaving, a plurality of individual heald frames, a plurality of bearers individually supporting said individual heald frames, a plurality of actuating rods individually supportingly connected with each of said bearers, bell crank levers having two arms, always one of said levers being movably connected by one arm with one of said actuating rods, longitudinal members individually movably engaging all of said bell crank levers connected by means of said actuating rods to the same of said bearers, a pawl carried by each of said longitudinal members, a pair of knives adapted to alternately engage said pawl and move the longitudinal member by which said pawl is carried in substantially the direction of its length, an operating mechanism operatively connected to and adapted to oscillatingly move said knives, and a card feeler mechanism operatively connected to and adapted to control the movements of said operating mechanism.

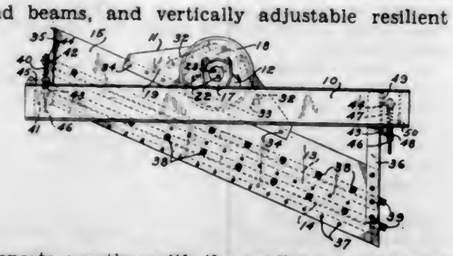
2,069,331

VIBRATORY SCREEN

Harvey H. Rumpel and Alexander L. Munro, Milwaukee, Wis., assignors to Smith Engineering Works, Milwaukee, Wis., a corporation of Wisconsin

Application August 13, 1934, Serial No. 739,516
8 Claims. (Cl. 209—326)

3. In a vibratory screen, a normally fixed frame having spaced side beams interconnected by end beams, a shaft mounted in bearings carried by said side beams, an inclined screen deck suspended from said shaft and extending downwardly through said frame between said side and end beams, and vertically adjustable resilient



supports coacting with the medial portions only of said end beams and of the ends of said deck.

2,069,332

LEAVED PACKAGE CONSTRUCTION

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application June 20, 1934, Serial No. 731,437
9 Claims. (Cl. 206—56)



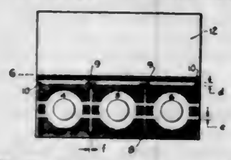
1. A package construction comprising, a plurality of package units composed of fusibly coated regenerated cellulose having heat crimped commodity-containing enclosures, said units being joined in a common area of heat crimping for maintaining all of said units in leaved relationship with each other but permitting access to each of the commodity-containing enclosures therein.

2,069,333

PACKAGE STRUCTURE

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application June 20, 1934, Serial No. 731,438
5 Claims. (Cl. 206—56)



1. A package structure composed of opposed layers of sheet material of unequal width interdigitated to form a plurality of commodity-containing separably inter-joined envelope portions, and having an area of the wider sheet extending beyond that occupied by said commodity-containing envelope portions to form a cover for said commodity-containing envelope portions, said envelope portions being individually detachable without mutilation of said cover.

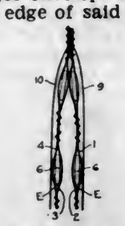
2,069,334

LEAVED PACKAGE STRUCTURE AND CLOSURE

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application May 25, 1935, Serial No. 23,362
2 Claims. (Cl. 206—56)

1. A package structure comprising, a major envelope structure, and a sheet of sealed commodity envelopes detachably joined along their edges, said sheet of envelopes being positioned within said major envelope and attached thereto along an inner edge of said major envelope, the



opposite edge of said major envelope being externally scored for separation whereby said major envelope may be separated into front and back cover flaps for said sheet of envelopes, permitting individual removal of a selected envelope from said sheet of envelopes.

2,069,335

COMPOSITE PACKAGE

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application July 9, 1935, Serial No. 30,509
2 Claims. (Cl. 206—46)



1. A package fabrication comprising, a layer of flexible light pervious cellulose material having a fusible coating upon opposite sides thereof, a layer of cellulose material attached to one side of said first mentioned layer in a manner such as to form a pocket with respect thereto to receive a commodity, and a metalliferous layer of material attached to the other side of said first mentioned layer to provide a metallic effect to said package structure as a whole.

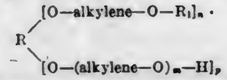
2,069,336

PRODUCTION OF DERIVATIVES OF POLYHYDRIC ALCOHOLS

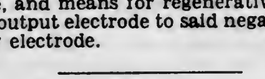
Otto Schmidt, Ludwigshafen-on-the-Rhine, and Egon Meyer, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Original application May 13, 1931, Serial No. 537,210. Divided and this application March 18, 1933, Serial No. 661,578. In Germany May 22, 1930
8 Claims. (Cl. 260—151)

1. Hydroxyalkyl ethers of polyhydric alcohols corresponding to the general formula

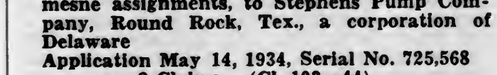


wherein R is an aliphatic group with at least 4 carbon atoms, R_1 represents a member of the class consisting of alkyl and hydroxyalkyl groups with at least 5 carbon atoms, n being an integral number corresponding to the number of carbon atoms of R less at least 2, m being any integral number from 1 to 6 and p any integral number above 1 and at the most equal to the number of carbon atoms of R less n, the said hydroxyalkyl ethers being obtainable by introducing the group R_1 into n hydroxyl groups of a compound



wherein the symbols R, n, m and p have the same meaning as above.

7. The compound corresponding to the formula:



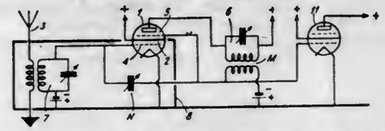
wherein the group C_6H_8 stands for the carbon chain of sorbitol and the hydrogen atoms directly attached thereto, the said compound being obtainable by reacting equimolecular amounts of the mono-sodium compound of sorbitol hexahydroxyethyl ether, and of 1,2-dodecylenechlorhydrin.

2,069,337

MULTIGRID TUBE REGENERATIVE CIRCUIT

Karl Steimel, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany

Application June 1, 1933, Serial No. 673,850
In Germany June 23, 1932
8 Claims. (Cl. 250—20)



1. In combination with a source of signals, a tube including a cathode, a signal grid adjacent the cathode, a cold output electrode, a screen grid electrode adjacent the signal grid, an auxiliary cold electrode adjacent the output electrode, said screen grid being disposed between the signal grid and the output and auxiliary electrodes, means for maintaining said screen grid and output electrode at positive voltages with respect to the cathode, a tuned signal circuit connected between the signal grid and cathode and being coupled to the signal source, means for maintaining the auxiliary electrode constantly negatively biased with respect to the entire cathode, a load network connected to the said output electrode, and means for regeneratively coupling the said output electrode to said negatively biased auxiliary electrode.

2,069,338

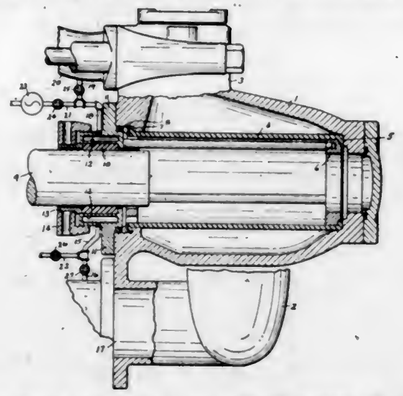
PUMP

Joseph A. Tennant, Houston, Tex., assignor, by mesne assignments, to Stephens Pump Company, Round Rock, Tex., a corporation of Delaware

Application May 14, 1934, Serial No. 725,568
8 Claims. (Cl. 103—44)

1. A pump having a barrel; inlet and outlet means for said barrel; a hollow expansible pumping member supported by and sealed in said barrel; pumping fluid in said member; a packing; a piston extending through and reciprocable in said packing to actuate said pumping fluid to

effect the expansion and contraction of said member to draw pumped fluid into said barrel through said inlet means, and to expel it from said barrel through said outlet means; a cooler surrounding said packing and communicating



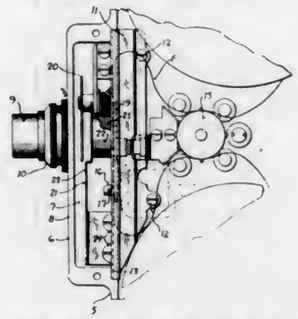
with said inlet means and outlet means so that a portion of the pumped fluid discharged through said outlet means will pass through said cooler into said inlet means, said cooler being shut off from fluid communication with said pumping fluid.

2,069,339

CAMERA

James H. Tobin, Fond du Lac, Wis., assignor to Tobin Tool and Die Company, Inc., Fond du Lac, Wis., a corporation of Wisconsin

Application January 20, 1936. Serial No. 59,865
2 Claims. (Cl. 88—17)



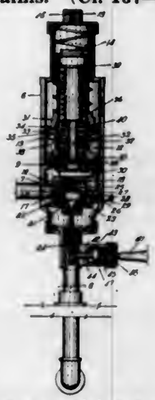
1. In a camera, a housing having a bottom wall and side walls and having a protrusion on one of its side walls defining a shutter compartment, said shutter compartment having a solid front wall and end and bottom walls integral therewith to close two sides and the ends of the shutter compartment, a removable rear wall for the shutter compartment forming a partition between it and the interior of the housing, said removable rear wall having an aperture past which film is guided, an objective mounted on the exterior of the front wall in line with said aperture, light concentrating means in the shutter compartment comprising a tube and a bracket to which the tube is secured, said bracket having an attaching flange adapted to be screwed to the side wall of the shutter compartment in a position locating the tube co-axially with the aperture and the objective and with the securing means therefor readily accessible through the open side of the shutter compartment, and a readily removable cover to close said open side of the shutter compartment.

2,069,340

AUTOMATIC INTERMITTENT FLUSH VALVE

William S. White, Denver, Colo.

Application May 28, 1934, Serial No. 727,936
3 Claims. (Cl. 137—93)



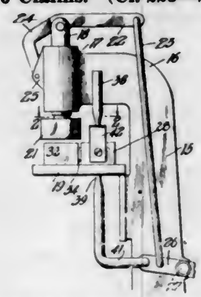
2. A flush valve comprising a casing having an inlet, an outlet and a valve seat, a valve cooperating with the seat to control the flow of water between the inlet and the outlet, a spring-pressed piston reciprocating in the casing and defining, with the valve, a control chamber at a side thereof, there being a passage between the inlet and the chamber, a check valve located in the passage for restricting the flow from the inlet into the chamber to regulate the rate of flow of water into the control chamber, the piston being movable away from the valve and against the resistance of its spring by the pressure of water in the chamber, and toward and into contact with the valve by the action of its spring, and means comprising a spring for opening the main valve by movement of the piston against the action of its spring, whereby to effect a flow of water from the chamber to the outlet.

2,069,341

APPARATUS FOR POINTING CORNERS

Howard C. Underwood and Edward B. Roby, New York, N. Y.

Application June 8, 1934, Serial No. 729,558
6 Claims. (Cl. 223—2)



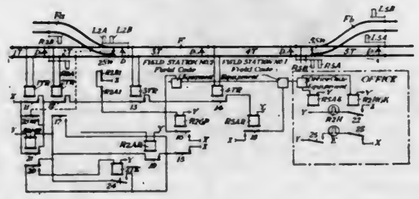
1. An apparatus as characterized comprising a forming die having a fixed section and a slidable section, said slidable section having a laterally protruding lip thereon directed toward the fixed section, a compression die, said lip being spaced from the lower face of the slidable section and the compression die having a recess to receive said lip throughout its height, and means for actuating the slidable section of the forming die and causing said lip to approach and effect a pressure toward the fixed section in use.

2,069,342

RAILWAY SIGNALING APPARATUS

James J. Vanhorn, Swissvale, Pa., assignor to Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application October 22, 1935, Serial No. 46,114
14 Claims. (Cl. 246—122)



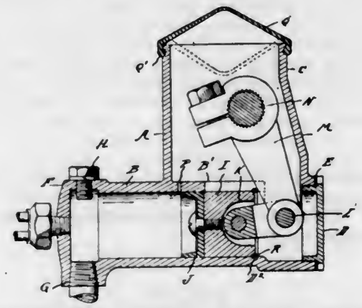
1. In combination, a stretch of railway track, a wayside signal for directing traffic into one end of said stretch, an approach relay at the other end of said stretch; means for deenergizing said approach relay when said stretch is occupied, means for also deenergizing said approach relay when a track section adjoining said stretch is occupied by a train approaching said wayside signal at clear, a signal for indicating the occupancy of any portion of the stretch and located in the office of a traffic control system associated with said stretch; and means in the office of the traffic control system jointly controlled by said approach relay and by said wayside signal for effecting actuation of said signal only when the stretch is occupied.

2,069,343

HYDRAULIC BRAKE

John William White, Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, a corporation of Indiana

Application January 8, 1932, Serial No. 585,615
4 Claims. (Cl. 220—24)



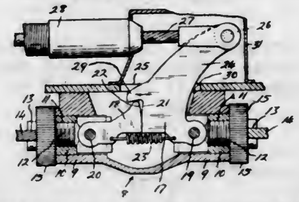
1. A sealing and displacement compensating means for fluid reservoirs comprising a nonmetallic flexible cap having a peripheral flange for removably engaging the wall of the reservoir and being normally of a substantially conical convex form capable of reversing to a concave position.

2,069,344

BRAKE MECHANISM

John William White, Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, a corporation of Indiana

Application December 19, 1932, Serial No. 648,017
13 Claims. (Cl. 188—78)



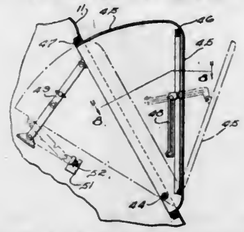
1. In brake mechanism, the combination with a brake carrier and brake friction means mounted thereon and having relatively movable ends, of a support mounted on said carrier, members upon said support for moving said ends, rockable cams movable in unison and operatively connected to said members and having cooperating cam faces in engagement, a cylinder extending transversely of and mounted upon said brake carrier, and a plunger extending within said cylinder and abutting said cams and having a slot for receiving and guiding portions of said cams.

2,069,345

TRUNK COMPARTMENT

Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application January 12, 1934, Serial No. 706,315
3 Claims. (Cl. 296—37)



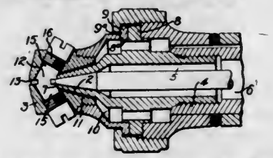
1. A vehicle body having a compartment at the rear thereof defined by the marginal edge of the paneling, a frame extending beyond said edge and pivoted for outward movement, a door pivoted on said frame, and means for sealing said frame at said marginal edge.

2,069,346

SPRAY GUN NOZZLE

Gustave A. Wilka, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio

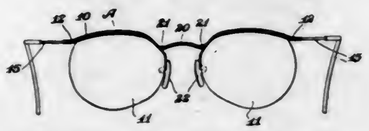
Application May 4, 1934, Serial No. 723,952
5 Claims. (Cl. 299—140)



3. In a spray-gun for spraying surface coating materials, an outer nozzle having a discharge slot at its outer end, a mixing chamber adjacent to

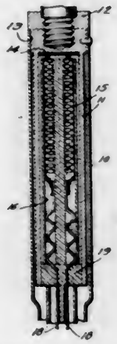
said slot and a recess in its rear end opening into said chamber in opposition to said slot and being gradually restricted toward the chamber to receive an inner material discharge nozzle, the forward end of said recess being restricted with respect to said chamber.

2,069,347
EYEGLASS CONSTRUCTION
Arthur F. Williams, St. Paul, Minn.
Application May 31, 1934, Serial No. 728,263
10 Claims. (Cl. 88—47)



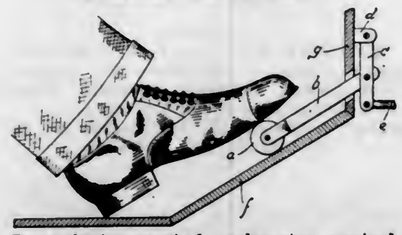
4. Glasses including segmental rim portions in the form of arcuated channels having lens engaging edges, to contain, engage, and support lenses; lenses having cooperating arcuated groove means engageable with said edges in said rim portions, the engagement terminating adjacent the upper periphery of the lenses, and bridge means connecting said rim portions.

2,069,348
HEATING UNIT
Leonard P. Young, New York, N. Y.
Original application June 20, 1934, Serial No. 731,443. Divided and this application May 1, 1935, Serial No. 19,144
6 Claims. (Cl. 201—67)



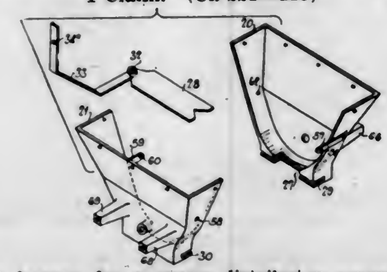
1. Heating means for electrical heating devices, comprising in combination an integral, hollow, heat-conductive casing, closed at one end and open at the other end, an element support within, and spaced from the walls of said casing, a plurality of through passages provided in said support, an originally close, helical heating element mounted expanded in all of said passages and provided with terminals having wave-shaped portions in engagement with portions of said passages, and adapted to keep said element in expanded position within the passages of said support, said wave-shaped portion terminating in straight ends extending from said casing, a hermetic seal provided at the open end of said casing, said straight terminal ends being held within said seal, and a heat-conductive pourable dielectric filling all available space in the interior of said casing.

2,069,349
ADJUSTING DEVICE FOR THROTTLE VALVES OF CARBURETORS
Heinrich Bergschicker, Leipzig, Germany
Application October 22, 1935, Serial No. 46,157
In Germany October 25, 1934
2 Claims. (Cl. 74—513)



1. In a foot operated carburetor control for motor vehicles having a floor board, dash, and a reciprocating throttle rod, of a bracket secured to the dash, a swinging lever having one end pivoted therein and its other end pivoted to the throttle link, a forked link extending through the dash with its rear end pivoted to said swinging lever, and a roller journaled in said fork and resting upon the floor board and adapted to be rotated thereon by the driver's foot to impart a reciprocating movement both to the forked link and the throttle rod.

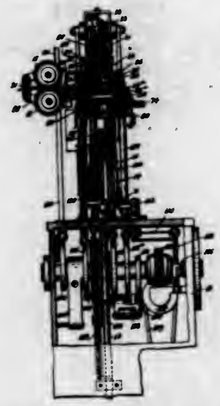
2,069,350
GUANO DISTRIBUTOR
John Blue, Jr., Laurinburg, N. C.
Application February 21, 1936, Serial No. 65,085
1 Claim. (Cl. 221—118)



A hopper for a guano distributor comprising two identical portions adapted to be joined together along a vertical plane, the rear end of one portion having a projection overlapping the rear end of the other section and the front end of said other section having a projection overlapping the front end of the first section, means for securing the overlapping portions to the respective ends, said sections when secured together having an opening in their bottom portions and a gate slidably mounted in said opening, each of said sections having a pair of outwardly projecting portions each having a horizontally disposed threaded hole for receiving means for supporting the hopper.

2,069,351
MILK BOTTLE CAPPING MACHINE
Arthur J. Briggs, Syracuse, N. Y., assignor to Sicuro Corporation, Syracuse, N. Y., a corporation of New York
Application July 3, 1933, Serial No. 678,846
21 Claims. (Cl. 226—80)

1. In a bottle capping machine, the combination with mechanism for applying a cap with a skirt to the bottle with the skirt enclosing the neck of the bottle, of mechanism for folding upward the lower annular margin of the skirt, and means for holding the bottle with the cap thereon stationary and rotating and moving said folding mechanism axially of the bottle.

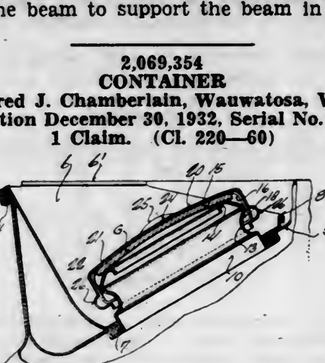


18. In a bottle capping machine, a bottle support, capping mechanism for applying a cap to the bottle and actuating mechanism and connections operated thereby for effecting relative movement of the bottle and capping mechanism, of means for feeding a blank strip from which the caps are formed into juxtaposition to the capping mechanism and the bottle, including a pair of feed rollers coacting with the strip, the rolls having a separating movement to release the strip of the feeding mechanism and the strip having a centering hole for each blank, a centering pin operated by the capping mechanism for entering said hole, and means timed with the actuating mechanism for separating the rolls preliminary to the applying of the cap blank which is in juxtaposition to the cap applying mechanism and the bottle.

19. In a bottle capping machine, the combination of mechanism for forming caps with skirts from blanks and forming the caps on the bottles, with the skirt enclosing the neck of the bottle, means for supporting the bottle in juxtaposition to the capping mechanism and the cap blanks, said mechanism including upper and lower crimping dies, and timed means for actuating the upper die toward the lower and interposed margin of the blank and for moving both dies downwardly, as a unit, plaiting the skirt and folding it downward at an inclined angle around the bottle neck so that it flares outward, and timed means for wrapping the flared skirt around the bottle neck.

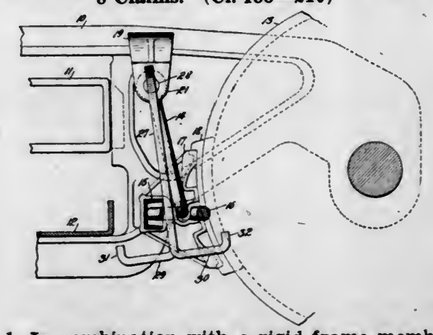
2,069,352
APPARATUS FOR APPLYING GERMICIDE AND INSECTICIDE
Thomas W. Brookshire and Samuel McDuffee, Flora, Ill.
Application January 28, 1935, Serial No. 3,741
3 Claims. (Cl. 299—88)

1. A spray gun for germicide and the like including a barrel having an inlet connection for pressure hose and an outlet, a tubular nozzle within the barrel spaced from the inner walls of the barrel and opening a substantial distance from said outlet to form a mixing chamber, a base member supporting the barrel and adapted to engage the walls of a container, a tube adapted to extend into the container upon which the base is placed, a valve for opening the tube to the nozzle, and one or more angularly disposed



baffles adjacent the nozzle for causing a swirl in the mixing chamber.

2,069,353
SAFETY HANGER FOR BRAKE BEAMS
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application September 14, 1932, Serial No. 633,053
8 Claims. (Cl. 188—210)



1. In combination with a rigid frame member of a car-truck, and a brake-beam, a safety suspending member in the form of an arm, and a pivot mounted on the frame and integral with the arm, the arm extending underneath and detached from the beam to support the beam in case it drops.

2,069,354
CONTAINER
Alfred J. Chamberlain, Wauwatosa, Wis.
Application December 30, 1932, Serial No. 649,452
1 Claim. (Cl. 220—60)

In combination with a container having an outlet fitting and a flexing closure therefor compris-

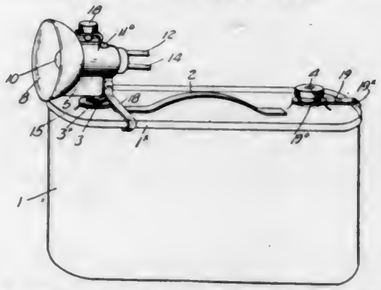
ing a cap having a central domed portion and depending locking fingers operated by a flexing movement of the dome and interengaged with said fitting, a sealing cap enclosing said fitting and its closure and having portions interlocked therewith to provide an effective seal, said sealing cap having an internal groove disposed adjacent and in such tranverse relation to the locking fingers as to accommodate the latter and prevent impairment thereof when said portions of said cap are interlocked with said fitting.

2,069,355

COMBINED CIRCUIT AND FLASHLIGHT BATTERY CONNECTION

Douglas Rolph Clarke, Toronto, Ontario, Canada

Application July 17, 1936, Serial No. 91,176
6 Claims. (Cl. 240—10.61)



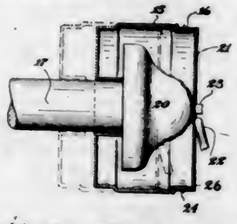
1. A combination ignition circuit and flashlight battery comprising a connector body, means for mounting the body on a battery case so as to be grounded thereto, an insulating member carried by the body, ignition circuit terminals carried by the member, one of which is grounded to the body, means insulated from the body for forming a connection between the other ignition circuit terminal and an ungrounded battery terminal, means for mounting an incandescent bulb in the insulating body so that its end contact engages the ungrounded ignition circuit terminal and a peripheral bulb contact carried by the body.

2,069,356

LATHE ATTACHMENT

Irving Cooperstein, Brooklyn, N. Y., assignor of one-half to Abraham Cooperstein, Brooklyn, N. Y.

Application December 14, 1935, Serial No. 54,402
5 Claims. (Cl. 113—52)



1. The combination with a spinning lathe having a rotatable shaft, a forming block on said shaft, a frame substantially surrounding said forming block and having at one end thereof means for slidably supporting the same on said shaft, a door part adapted to be secured to the opposite end of said frame, means for securing said door part to said last frame end, said door part and said last frame end constituting means for securing a flat blank therebetween, the end of the frame adapted to receive said door part being in a plane perpendicular to the axis of said shaft.

2,069,357

COIL UNIT

Nathan Dinion, Easton, Pa., assignor to Magnetic Windings Company, Easton, Pa., a corporation of Pennsylvania

Application Feb. 7, 1936, Serial No. 62,791
1 Claim. (Cl. 242—119)



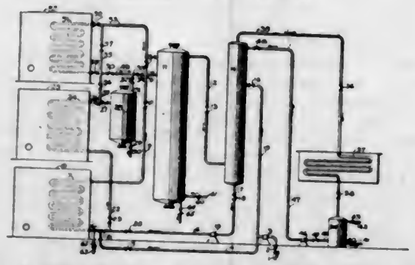
In a coil unit: a spool structure including a core member; and an end member attached to said core member and comprising an arcuate element presenting a frustro-cone-shape and having its opposite ends anchored with relation to each other; a flange carried at the perimeter of said element and disposed in a plane perpendicular to its axis, said flange including a plurality of tabs formed integral with said element; and a reinforcing element adhesively attached to said tabs for retaining them in said plane.

2,069,358

HYDROCARBON OIL CONVERSION

Carbon P. Dubbs, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application May 31, 1930, Serial No. 458,512
Renewed June 7, 1935
2 Claims. (Cl. 196—48)



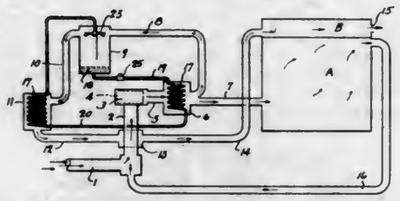
1. A process for producing gasoline and gas from heavy hydrocarbon oil which comprises heating the oil to cracking temperature under pressure in a heating zone, discharging the heated oil into a separating zone and separating the same therein into vapors and residuum, dephlegmating the vapors to condense heavier fractions thereof, passing resultant reflux condensate to a second heating zone and heating the same therein to a higher gasoline-producing cracking temperature than said heavy oil, splitting the thus heated reflux condensate and introducing one portion thereof directly to the separating zone, supplying the other portion of the heated reflux condensate to a gasifying zone and subjecting the same to gas making conditions therein, introducing the resultant gas to the separating zone, and finally condensing the dephlegmated vapors and separating the distillate from the process.

2,069,359

COOLING SYSTEM

William Lyle Dudley, Seattle, Wash.

Application December 7, 1935, Serial No. 53,364
4 Claims. (Cl. 62—139)



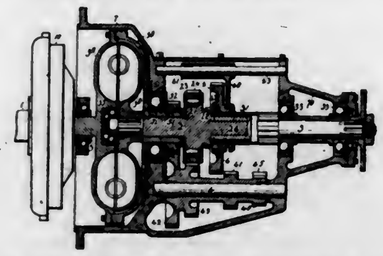
4. A cooling system for an enclosed area, comprising heat interchange devices in series in a common circulating system through which a cooling liquid is continually recirculated; said circulating system at one point being open for atmospheric contact with the liquid, means for causing air to flow through one of the interchange devices for cooling thereby, means for directing a part of the cooled air into the area to be cooled and means for directing another part of the cooled air into direct contact with the circulated liquid at the open point of the circulating system for cooling the liquid, and for causing it to contact in its flow with the other interchange device for further cooling of the circulated liquid.

2,069,360

AUTOMATIC POWER TRANSMISSION

William A. Duffield, Montreal, Quebec, Canada, assignor to Juno Corporation Limited, Montreal, Quebec, Canada

Application August 1, 1934, Serial No. 738,023
6 Claims. (Cl. 74—330)



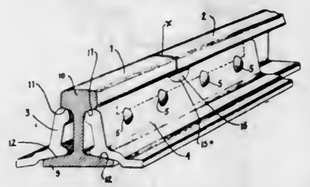
1. A power transmission, comprising a prime mover, a crank shaft, a stub shaft, a clutch between these shafts, the stub shaft carrying one member of a fluid coupling of the Fottinger type, a main shaft splined to the other member, a housing and sleeve secured to the first member, a pinion keyed to the sleeve, a countershaft, a gear in constant mesh with the pinion, a drive gear, a low speed gear and a reverse gear, said gears being integral and journalled on the countershaft, an overrunning clutch with a ring gear on the main shaft, having its ring gear meshing with the drive gear, a splined tail shaft journalled on an extension of the main shaft, a sliding gear on the splined tail shaft, a clutch element on the sliding gear, adapted to mesh with a clutch element on the main shaft, forming a coupling between the main shaft and the sliding gear and means to couple the sliding gear to the main shaft, the low speed gear or the reverse gear.

2,069,361

RAIL JOINT

Albert F. Fifield, St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application April 8, 1932, Serial No. 604,023
1 Claim. (Cl. 238—244)



A rail joint comprising a pair of aligned rail ends, a pair of joint bars at either side of said rail ends overlapping said ends, means for securing said bars to the rail ends in clamping relation thereto, a wear compensating shim extending longitudinally of the rails overlapping said ends, said shim having its wear compensating portion disposed between the upper fishing surface of one of said bars and the lower fishing surfaces of the heads of both rail ends, said shim being in the form of a single thin strip of hard steel alloy and thickest in an intermediate portion opposite the rail ends, positionable between the fishing surfaces where greatest wear has previously occurred, said thickest portion having an extension projected laterally of said surfaces over an external upper surface of the associated joint bar, said extension being in the form of a welding tab bent down over the joint bar and integrally secured to a contiguous surface of the joint bar, said tab extending longitudinally of the joint a small fraction of the longitudinal extent of the shim, said shim tapering substantially in thickness in both longitudinal directions therefrom, and being free to move up and down during use of the rails relative to the secured portion, an amount determined by the resiliency of the shim portions which in turn is determined by its thickness and distance from said tab.

2,069,362

FABRICATED BELT SPLICE AND METHOD OF SPLICING THE SAME

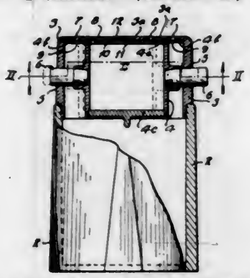
Frederick H. Ford, Waupun, Wis., assignor to The Shaler Company, Waupun, Wis., a corporation of Delaware

Application January 30, 1935, Serial No. 4,201
2 Claims. (Cl. 24—38)



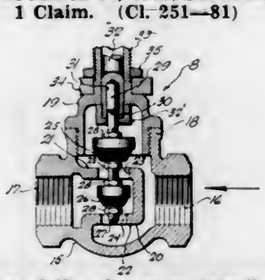
1. The method of splicing belts permeable by uncured rubber under pressure, consisting in slightly overlapping the ends to be spliced while maintaining the ends in sufficient proximity to allow them to be butted when subjected to pressure, applying unvulcanized rubber to the inner faces of the end portions, covering the exposed face of the rubber with a reinforcing strip of fibrous material, subjecting the joint to pressure sufficient to spread the overlapped ends until they are brought into butted relation to each other, and the uncured rubber forced into interlocking relation with the fibrous material of the belt and reinforcing strip, and heating the rubberized portions to a vulcanizing temperature.

2,069,363
SALT AND PEPPER SHAKER
Owen C. Gragg, Detroit, Mich.
Application January 31, 1936, Serial No. 61,692
4 Claims. (Cl. 65—45)



1. In an apparatus of the kind described, the combination of a container having an end wall, a second container located within the first named container and having a portion bearing against said wall, said second container being adapted to move rectilineally and transversely within the first named container, said portion sliding along said wall, said second container having an opening through said portion, said wall being provided with a plurality of apertures, said apertures being so located and said second container being so formed that said opening shall register with one of said apertures to form a discharge passage from said second container and the other apertures shall be closed at one end of the travel of said second container, and the first named aperture shall be closed and another aperture opened to form a passage from the first named container at the other end of the travel of said second container and means for actuating said second container from the outside of the first named container.

2,069,364
VALVE
Frank S. Gussick, Milwaukee, Wis.
Application March 11, 1935, Serial No. 10,424
1 Claim. (Cl. 251—81)

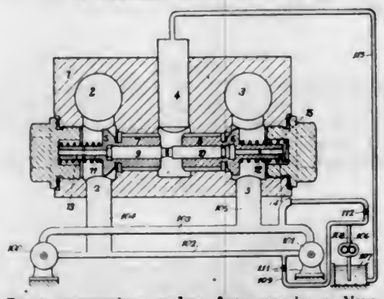


In a valve of the character described, a substantially T-shaped body having an inlet and an outlet at opposite ends of the head of the T, a partition between the inlet and outlet forming a hollow chamber which has open communication with the outlet and is closed to the inlet except through superimposed ports in superimposed walls of the chamber, said ports being axially aligned with the stem of the T and the port nearest the stem being larger than the other port, a bonnet secured in the stem of the body to close the same, a valve element having spaced plugs corresponding in size to the small and large ports and joined so as to simultaneously close both ports, said valve element moving towards the bonnet in opening so that fluid pressure acting on the large plug holds the valve element closed against the same pressure acting upon the small plug whereby the valve element is held closed as long as the seal of closure is maintained, an actuator slidable axially through the bonnet for moving the valve element from outside the body, and a lost motion connection between the valve element and the actuator allowing a degree of relative motion therebetween so as to enable quick and full opening movement of the valve element upon initial breaking of the seal of closure and positive closing motion of the valve element independently of the actuator during the final stage of closure.

2,069,365
FLOTATION REAGENT
Royal S. Handy, Kellogg, Idaho
No Drawing. Application September 20, 1935, Serial No. 41,423
2 Claims. (Cl. 252—9)

1. As a new and useful product of the class described, a compounded conditioning and frothing reagent for flotation treatment of oxide ore, comprising, oleic acid, cresylic acid, soda ash and sodium silicate, thoroughly mixed and in the form of a water miscible jelly.

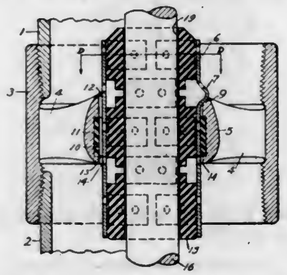
2,069,366
CONTROL ELEMENT FOR THE FLUSHING DEVICE IN HYDRAULIC GEARS
Otto Heerdt, Leipzig, Germany
Application December 24, 1935, Serial No. 56,000
In Germany March 5, 1935
3 Claims. (Cl. 277—20)



1. In a reversing valve for use in a line connecting the reservoir of a make-up system to the circuit lines of a reversible hydraulic transmission, the combination of a housing, an inlet in said housing adapted to be connected to one of said circuit lines, another inlet in said housing adapted to be connected to the other circuit line, an outlet in said housing adapted to be connected to the line leading to said reservoir, a bore in said housing communicating said outlet and inlets with each other, a valve arranged in said bore between one of said inlets and said outlet, another valve disposed in said bore between the other inlet and said outlet, said valves being movable independently of each other, and automatic hydraulic controlling means adapted to be actuated by the pressure in the circuit line carrying the liquid under high pressure and to open the valve arranged between the circuit line carrying the liquid under low pressure and said outlet.

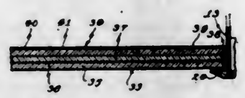
2,069,367
RUBBER BEARING
Aladar Hollander, Berkeley, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application December 11, 1935, Serial No. 53,895
10 Claims. (Cl. 308—121)

1. A bearing structure for vertical water-lubricated pump shaft bearings comprising a soft rubber sleeve bearing adapted to surround a rotating shaft, a rigid casing supporting said rubber sleeve bearing, pockets formed between the contacting faces of said sleeve and casing adapted to receive and retain a portion of the water be-



ing pumped, said pockets being provided intermediate their ends with fluid discharge passages communicating with the face of the bearing and fluid inlets through said casing communicating with said pockets above the level of said discharge passage.

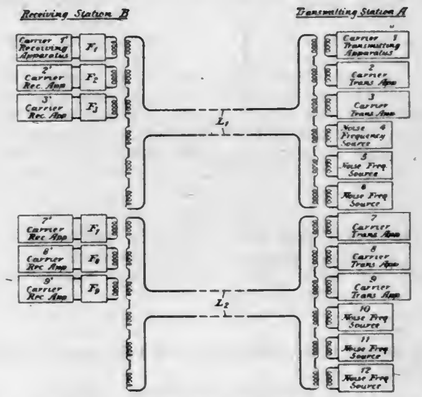
2,069,368
DISPLAY ADVERTISING DEVICE
Philip Horinstein, Chicago, Ill.
Application April 29, 1936, Serial No. 76,955
4 Claims. (Cl. 40—133)



2. A display advertising device comprising a casing having an open front and including side walls and a rear wall having light-reflective inner surfaces, a light source in the said casing, a front mirror unit arranged in the said casing at the said open front thereof and including a transparent mirror having a rear surface provided with a light-reflective transparent coating, said transparent front mirror having a transparent backing, and a rear mirror unit arranged in the said casing behind and in contact throughout substantially all of its front surface with the said backing of the said front mirror unit, said rear mirror unit having a rear surface provided with an opaque reflective coating and said second-named and opaque coating having interruptions formed therein in the form of light-penetrable advertising or display matter.

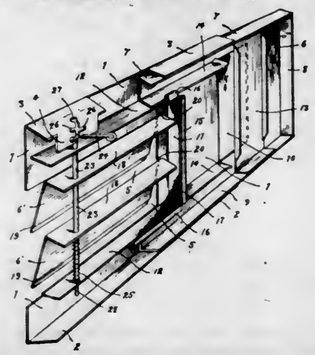
2,069,369
SECRET COMMUNICATION SYSTEM
Russell Norman Hunter, Westfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 20, 1934, Serial No. 758,516
4 Claims. (Cl. 179—1.5)

1. In a carrier communication system utilizing pairs of open wire conductors for the transmission of messages between stations the method of rendering secret messages radiated into space from said conductors which comprises transmitting over one of said pairs a message band and a noise band outside of the frequency range of said message band, transmitting over the other of said pairs a message band and a noise band outside of the frequency of said last mentioned message band, and staggering the frequency ranges of the bands on one pair with respect to the bands on



the other pair so that the noise band on one pair will fall within the frequency range of the message band on the other pair.

2,069,370
VENTILATOR
Ernest A. Johnson, Duluth, Minn.
Application May 14, 1936, Serial No. 79,651
4 Claims. (Cl. 98—99)

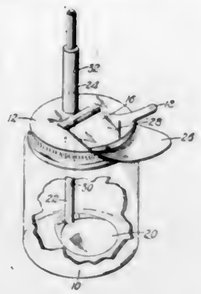


1. A combined ventilator and screen for window openings comprising a central body portion having a central rectangular opening therethrough, telescopic extensible portions within opposite ends of said body portion, operable overlapping louvers within said central opening and normally covering said opening, a vertically adjustable rod extending through portions of said louvers for operating same, a spring surrounding said rod for normally holding the louvers closed and a screened frame structure about said opening upon the inner wall of the ventilator.

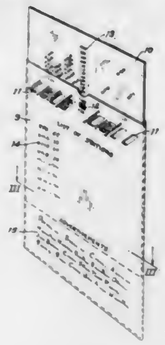
2,069,371
DISPENSING DISH
Hyman H. Klein, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 5, 1936, Serial No. 78,020
6 Claims. (Cl. 91—66)

1. A closure for a receptacle comprising, in combination, a dipping device movably attached to said closure and arranged to be operated from

the outside thereof, said closure being provided with an opening, and means to retain said dipping device in a position closely subjacent to said opening.



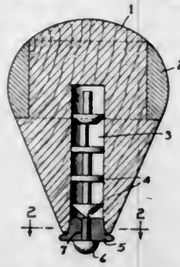
2,069,372
PROGRAM REMINDER FOR RADIO PROGRAMS
Elmer T. Knitter, Redwood City, Calif.
Application May 25, 1935, Serial No. 23,439
5 Claims. (Cl. 40—65)



1. In a device of the type described, the combination of an envelope closed on three sides and open at one end, having one horizontally disposed aperture formed in the face of said envelope near its open edge, a series of diagonally disposed apertures formed in the face of said envelope near its open edge, and a card slidable in said envelope, having a time scale printed thereon, said time scale being divided into intervals and so positioned with relation to said horizontally disposed aperture that time intervals may be read one at a time through said horizontally disposed aperture as said card is moved in and out of said envelope, space on said card to record data thru said diagonal envelope apertures, said data being recorded in relation to said time intervals.

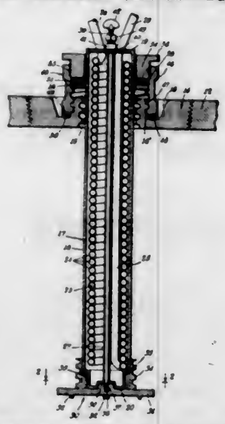
2,069,373
TOY TOP
Carl Kraft, New York, N. Y.
Application December 29, 1933, Serial No. 704,401
1 Claim. (Cl. 46—64)

A toy top comprising a top body, an axially disposed recess therein, a plurality of top pegs of different shapes adapted to be contained in said recess, a chuck adapted to close said recess at the spinning end thereof and simultaneously



to accept and securely hold any one of said pegs in operating position.

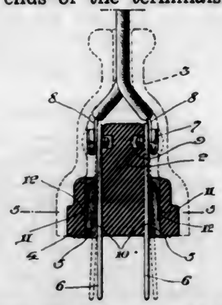
2,069,374
BEVERAGE COOLER
Emilio J. Lagomarsino, Ventura, Calif.
Application January 16, 1935, Serial No. 2,017
15 Claims. (Cl. 62—141)



1. In a beverage cooler, the combination of a container having an opening, a structure having a cooling means insertable in said opening, means forming a gas tight closure between the container and the said structure to prevent outlet of gas through the opening, a closure plug for the opening, the said structure and plug having an attaching means whereby the cooling structure may be attached to the plug and utilized to remove the plug from the opening for inserting of the said structure in the container and again for attaching the plug to the container at the opening for removal of the cooling structure.

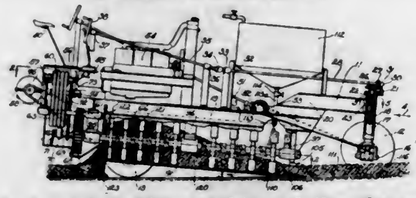
2,069,375
ATTACHMENT PLUG
George H. Lane, Highland, N. Y.
Application March 12, 1935, Serial No. 10,623
4 Claims. (Cl. 173—361)

1. An attachment plug comprising a body having portions of different transverse cross-sectional areas, the larger portion having openings extending therethrough and located beyond the opposite sides of the smaller portion, a pair of terminal members extending along the outer sides of said smaller portion and through and of less thickness than said openings whereby they are shiftable therein, a connection between the terminals and the smaller end of the plug to permit lateral movement of the terminals without the bending thereof on the shifting of the lower contact ends of the terminals, and resilient



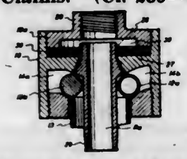
means located in said openings and frictionally held therein to permit the terminals to automatically adjust themselves to insure a tight contact.

2,069,376
APPARATUS FOR PRODUCING MINERAL AGGREGATE ROADS
Martin Madsen, Huntington Park, Calif., assignor to Madsen Iron Works, Huntington Park, Calif., a corporation of California
Application December 3, 1932, Serial No. 645,499
18 Claims. (Cl. 94—41)



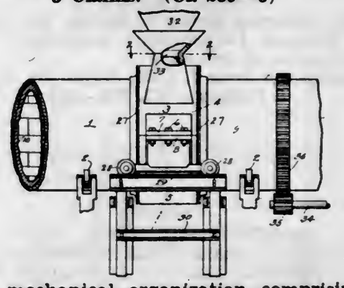
1. A road making machine of the character described, including: a vehicle; means for propelling said vehicle; a mixing mill carried by said vehicle, said mill comprising a shell forming a channel having inlet and outlet openings at its opposite ends and a mixing member rotatable on a longitudinal axis in said channel, said mixing member having spirally disposed blades radially projecting relative to said axis, the angles of spiral of said blades being decreased at a position toward the rearward end of said mixing member; and means for operating said mill, there being means for delivering road materials from the road to said mill, said mill delivering the mixed materials to the road surface.

2,069,377
COUPLING DEVICE
Conrad H. Matthiessen, Jr., Pasadena, Calif., assignor to Meyer Coupling Company, Inc.
Application April 23, 1935, Serial No. 17,821
10 Claims. (Cl. 285—168)



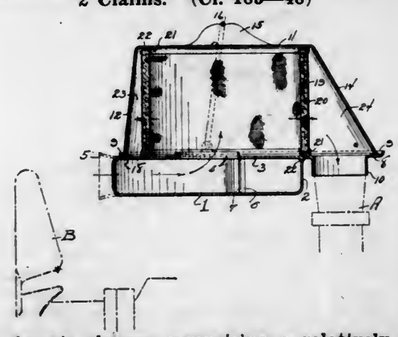
1. A coupling device comprising: an outer body member having a longitudinal bore and a continuous circumferential channel surrounding said bore; an inner body member adapted to enter said bore and rotatable therein, said inner member having a continuous circumferential shoulder formed thereon, said shoulder and the lower wall of said channel presenting opposing faces so formed as to avoid material inward convergence; a contractile thrust bearing member of ring-like form surrounding said inner body member and normally positioned between said faces to prevent said withdrawal, and a movable sleeve arranged to enter said ring and to expand said bearing member into said channel to permit said withdrawal.

2,069,378
DRYING AND MIXING MECHANISM
Louis W. Meyer, Petoskey, Mich.
Application January 16, 1936, Serial No. 59,415
3 Claims. (Cl. 259—3)



1. A mechanical organization comprising, in combination: a hollow cylindrical element mounted for rotation about its approximately horizontal axis, having a port through its side; a circular member surrounding the sides of said element, spaced therefrom and comprising separable sections one of which has an opening; a thimble fixed in the port affording communication between said opening and the interior of said element and extending outwardly into close relation with the inner surface of said member.

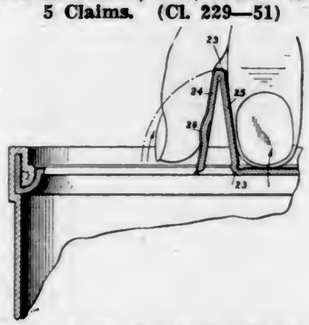
2,069,379
AIR CLEANER
Walter W. Moe, Milan, Minn.
Application March 13, 1936, Serial No. 68,756
2 Claims. (Cl. 183—48)



2. An air cleaner comprising a relatively flat substantially circular lower section providing an air inlet chamber having an outlet in the peripheral wall thereof, inlet means for the chamber and including a pipe section extending tangentially from said wall to produce centrifugal force within the chamber by the passage of air therethrough, a relatively large substantially oval shaped upper section providing a filter chamber and resting upon the lower section with the air

chamber of the latter communicating with the filter chamber, said upper section having a downwardly inclined rear portion providing outlet means for the filter chamber, a downwardly directed nipple on the lower chamber with the outlet means of the filter chamber registering therewith, hollow substantially oval shaped filtering means within the filter chamber and following the shape thereof, said filtering means cooperating with the upper and lower walls of the respective chambers to enclose the communicating means and arranged to provide an air space exteriorly thereof in communication with the filter chamber outlet means, and ball and keeper means detachably securing the sections together.

2,069,380
CONTAINER
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application June 7, 1935, Serial No. 25,360
5 Claims. (Cl. 229—51)



1. In a container, a closure member having a plow shaped furrow in the inner face thereof to provide a hatch, one face of the furrow, in section, being longer than the opposite face.

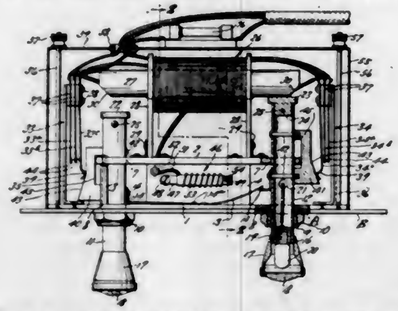
2,069,381
SHOE AND MEANS FOR DECORATING SAME
Charles K. Morgan, San Diego, Calif.
Application May 15, 1936, Serial No. 79,958
7 Claims. (Cl. 36—54)



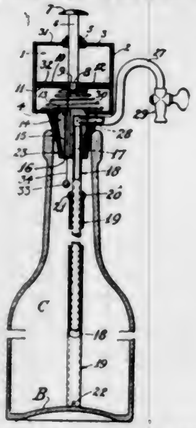
1. In a shoe having a vamp or cap with transverse slits and straps formed thereby, and an overlying decorative member secured thereon by interlacing with a plurality of said straps from the rear of the vamp toward the toe portion and by backwardly cross-lacing with one or more straps from the toe end of the vamp toward the rear of the vamp.

2,069,382
AUTOMOBILE TURN SIGNAL
William C. Morton and Frederick J. Degenfelder, Lincoln, Nebr.
Application February 6, 1933, Serial No. 655,406
5 Claims. (Cl. 200—87)

1. In a device of the kind described, a mounting plate, an electromagnet base plate spaced inwardly from the mounting plate, the said plates having spaced aligned pairs of apertures adjacent their ends, plungers slidably mounted through the said apertures, iron shoes secured in the inner ends of the plungers, an electromagnet secured on the electromagnet base plate, and including a core extended at its ends inwardly of the inner plunger ends and lying in the path thereof the said electromagnets being adapted when energized to attract the said shoes, jack switches mounted alongside the plungers, and switch operating cams mounted on the plungers and extended laterally outward toward and into engagement with the said jack switches.



2,069,383
LIQUID DISPENSER
Fred Nedbalek, Cleveland, Ohio
Application May 29, 1936, Serial No. 82,467
5 Claims. (Cl. 215—4)



1. In a dispensing device of the character described, a cylinder, a top and bottom therefor; a piston reciprocable in the cylinder; means to automatically force the piston into raised position; a plug secured to said bottom and having a longitudinal port; means effective only when the piston reaches its uppermost position to automatically seal said port; a well-pipe secured to said plug and a discharge tube in communication with the well-pipe.

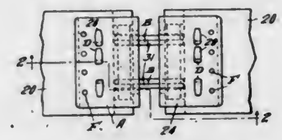
2,069,384
EXERCISING DEVICE
Henry George Ogden, Galien, Mich.
Application January 11, 1936, Serial No. 58,638
1 Claim. (Cl. 272—57)

An exercising device comprising a horizontal member, a front wheel rotatably connected to the front center portion of said member, a pair of rear wheels rotatably connected to the sides of said member adjacent the rear thereof, and shallow cups carried by said member substantially in the plane thereof for receiving only the heels of a user seated on a supporting surface on



which said wheels roll, whereby the feet extend freely above the horizontal member and the user may grasp his feet while his heels are in said cups, said cups being positioned in adjacent forwardly spaced relation to said rear wheels and in equispaced opposite relation to the longitudinal center line of said member.

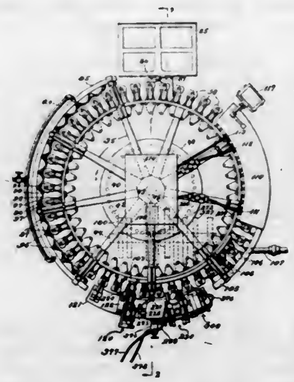
2,069,385
BELT FASTENER
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application April 12, 1935, Serial No. 15,951
14 Claims. (Cl. 24—33)



1. In a device of the character described, the combination with a belt transversely recessed so as to leave a lug and a recess inwardly thereof, at each end of the belt; of a pair of attaching members each having a pair of straight arms embracing an end portion of the belt, both said arms extending inwardly beyond the corresponding belt end lug; securing means, for each said member, extended through said arms, the body portion of the belt and said recess inwardly of the belt lug; a detachable bearing plate conformed to the recess interposed between said securing means, the corresponding arm extension and the adjacent face of the lug; and means connecting said attaching members.

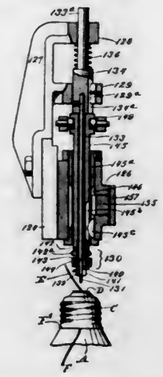
2,069,386
LAMP MAKING MACHINE
Charles B. Palucki, Bergenfield, N. J., assignor to Alfred Hofmann & Company, West New York, N. J., a corporation of New Jersey
Application April 27, 1934, Serial No. 722,627
11 Claims. (Cl. 176—3)

1. In a machine for manufacturing electric lamps of the kind composed of bulb and base portions, with interposed cement to secure them together, and a leadwire extending from the edge of the base, the combination of a traveling conveyor, and a series of lamp-carrying heads thereon, each head having a lamp-holding chuck comprising underneath and overhead sockets arranged to leave the lamp base exposed and a heating ring loosely surrounding the base of the held lamp and having upper and lower flanges and extending substantially around the lamp base to radiate to the base for softening such cement, and means for heating said ring comprising a



system of burners directed between such ring flanges.

2,069,387
LAMP FINISHING MACHINE
Victor Anderson, Cliffside Park, N. J., assignor to Alfred Hofmann & Company, West New York, N. J., a corporation of New Jersey
Application March 6, 1935, Serial No. 9,683
13 Claims. (Cl. 140—119)

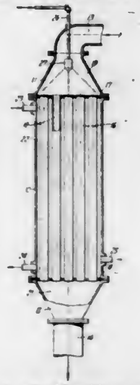


1. In combination with a head having means for holding an electric lamp of the kind composed of a bulb and a recessed base, and having one or more leadwires extending from the base, mechanism for bending such a leadwire into position to be attached or soldered to the recessed portion of the base and for severing its excess length, comprising a mandrel member advanceable longitudinally to the lamp base and adapted to enter and engage the base recess during bending and severing, a bending and severing member cooperable with the mandrel member, means mounting said members to receive longitudinal advancing and retracting movements and to yield transversely as necessary for the entry of the advancing mandrel member into varying positions of the base recess, and connections for causing the advancing and retracting movements and the cooperative bending and severing movements of said members.

2,069,388
PROCESS OF MANUFACTURING A FOOD PRODUCT
David D. Peebles, Eureka, Calif.
No Drawing. Application April 13, 1932, Serial No. 605,119
3 Claims. (Cl. 99—11)

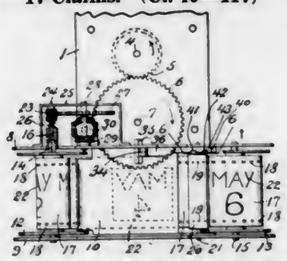
1. In a method of manufacturing a food product containing milk sugar, the steps of spraying a liquid material containing milk sugar upon a mass of crushed fresh vegetable like spinach, permitting the liquid material to percolate thru the mass whereby vegetable coloring matter and vitamine ingredients are extracted from the vegetable, and then spray drying the resulting liquid material and then converting the dried mass to a non-hygroscopic powder in which the milk sugar is crystallized.

2,069,389
METHOD FOR SEPARATING SUBSTANCES FROM GASEOUS MEDIUMS
David D. Peebles, Eureka, Calif.
Application August 3, 1934, Serial No. 738,241
5 Claims. (Cl. 183—120)



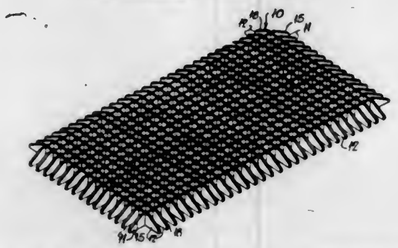
1. In a method of effecting separation of substances from a gaseous medium where a stream of the gaseous medium is caused to flow through a passage together with a vaporizable liquid, causing heat to be imparted to the liquid while in the passage to cause the gaseous medium within the passage to be supersaturated with respect to its content of vapor from the liquid, and then separating liquid material from said gaseous medium after discharge thereof from said passage to thereby separate constituents agglomerated by condensation of vapor.

2,069,390
CLOCK ACTUATED DISPLAY MECHANISM
Warren V. Prince, Kansas City, Mo.
Application July 9, 1934, Serial No. 734,335
17 Claims. (Cl. 40—117)



1. In a clock actuated display mechanism, a member having thereon a series of indicia and movable in one direction to positions in which said indicia will appear consecutively at a place of observation, clock actuated driving means, means driven by said clock actuated means and including a slip friction clutch which exerts an effort on said member for moving the latter in said direction, and means controlled by said clock actuated driving means by which said member is permitted to move in said direction only intermittently at spaced distances and intervals.

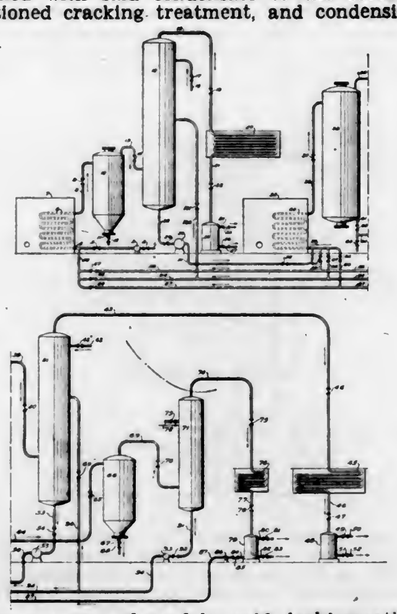
2,069,391
MAT
Milton B. Sample, Houston, Tex.
Application May 29, 1935, Serial No. 24,101
4 Claims. (Cl. 20—74)



1. A floor mat composed of longitudinal and transverse strips of edgewise and laterally flexible pliable material woven together in an over and under fashion, each of the strips having notches cut alternately in their edges at the point of contact between the strips and extending approximately half across the strips so that all portions of the outer edges of all the strips in the finished mat will occupy parallel planes.

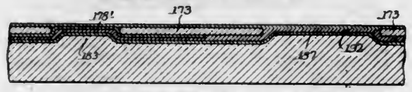
2,069,392
CRACKING OF HYDROCARBON OILS
Jean Delattre Seguy, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 8, 1930, Serial No. 426,805
Renewed September 20, 1934
1 Claim. (Cl. 196—60)

A process for producing gasoline from hydrocarbon charging oil which is relatively light and refractory to cracking, said process comprising subjecting such charging oil while substantially in the vapor phase to cracking treatment at a temperature in excess of 1000° F. and converting the same into a vaporous mixture containing gasoline-like hydrocarbons and hydrocarbons of higher boiling point than said charging oil, dephlegmating said vaporous mixture and condensing therefrom the hydrocarbons which are of higher boiling point than the charging oil, subjecting resultant condensate to a cracking treatment at lower temperature than that of the first-mentioned cracking treatment, while under sufficient pressure to maintain a substantial portion thereof in the liquid phase, separating the reaction products of the last-named cracking treatment into vapors and unvaporized oil, recovering gasoline-like hydrocarbons from said vapors, flash distilling said unvaporized oil by pressure reduction and dephlegmating the flashed vapors independently of said vaporous mixture, introducing resultant flash reflux into contact with said vaporous mixture undergoing dephlegmation to assist the dephlegmation and to be supplied with said condensate to the second-mentioned cracking treatment, and condensing



the vapors uncondensed by said dephlegmating steps.

2,069,393
INLAID FIBROUS BODIED ARTICLES, AND METHOD OF PRODUCING SAME
Edward C. Sloan, Geneva, Ill., assignor to Jesse S. Hawley, Geneva, Ill.
Original application May 19, 1934, Serial No. 726,610. Divided and this application May 19, 1934, Serial No. 726,615
8 Claims. (Cl. 41—35)

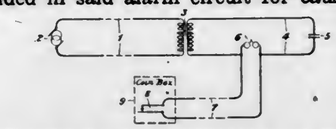


1. A method of inlaying comprising juxtaposing an inlay element and a member having an inlay opening with a portion of said element in registry with the opening of said member, embedding said element and member in a fused thermoplastic substance of a resinous base, and solidifying said substance to unite said element and member and to maintain the relation thereof.

3. An inlay structure comprising an inlay member having an inlay opening, an inlay element of sheet material extending into said opening to substantially fill it, and a covering of a solidified thermoplastic vinyl resin of the bond group $CH{:}CH_2$ united to and uniting said element and member to form a substantially integral unit.

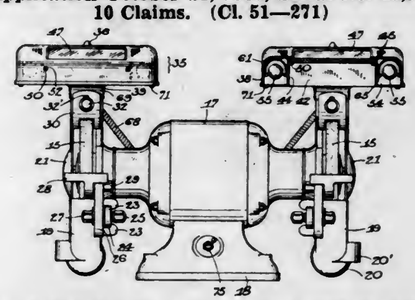
2,069,394
ALARM CIRCUIT
William Stevenson, Westfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application October 24, 1933, Serial No. 695,053
5 Claims. (Cl. 177—314)

1. An alarm circuit comprising a circuit including a source of alternating current, a signal device included in said circuit, a normally closed short circuit around said signal device, switching means for opening said short circuit, and means included in said alarm circuit for causing it to



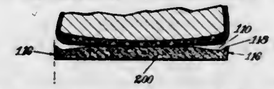
be non-resonant at frequencies from said source and to have a high capacitive reactance when said short circuit is closed and to be resonant at frequencies from said source when said short circuit is opened.

2,069,395
SAFETY SHIELD
Herbert E. Tautz, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 21, 1935, Serial No. 45,933
10 Claims. (Cl. 51—271)



1. A safety shield comprising a housing having a partition extending between opposite sides thereof and spaced from a wall of the housing to form a wiring space, a transparent panel carried by said housing for viewing work therethrough, lamp sockets carried in said housing at opposite sides of said panel to receive lamps for illuminating the work, and a plate detachably secured to said housing to hold said sockets therein and to enclose said wiring space.

2,069,396
METHOD OF MAKING SHOES
Chester D. Turner, Manchester, N. H., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 26, 1934, Serial No. 717,343
19 Claims. (Cl. 12—142)



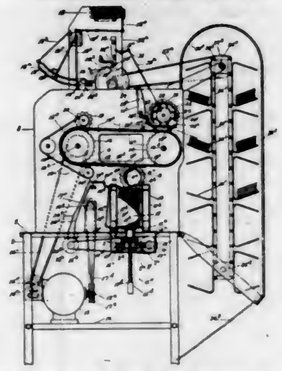
2. That improvement in methods of making pre-edge-finished outsoles which consists in roughing the marginal portion of an outsole cut substantially to final marginal contour, thereafter bending said portion to offset it toward the side ultimately to be attached to a shoe, and subsequently, but before attachment of the outsole to a shoe, beveling the edge of the outsole and setting the beveled edge face.

12. That improvement in methods of making shoes having outsoles the edges of which fit close to the uppers which consists in bending a marginal portion of an outsole toward the side which is ultimately to be attached to a shoe, trimming said marginal portion of the outsole after it has

been bent to relieve the outward flare of its edge produced by the bending operation, and locating the outsole relatively to a shoe by gaging from the trimmed edge of the bent marginal portion of the outsole.

16. As an article of manufacture, an outsole having its marginal portion bent toward the side of the sole which is to be attached to a shoe and having an edge face disposed in a plane approximately perpendicular to the outsole surfaces bounded by said bent marginal portion.

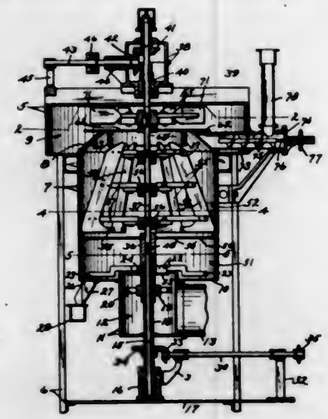
2,069,397
CURRENCY BILL COUNTING AND BUNCHING MACHINE
Arthur von Barth, New York, N. Y.
Application May 25, 1936, Serial No. 81,673
15 Claims. (Cl. 93—93)



1. A machine of the character described embodying therein a compartment for a stack of bills, a collecting mechanism including a plurality of bunch pockets, a continuously operating transfer mechanism including means adapted to remove bills one at a time from the top of said stack and deliver it to a pocket in said collecting mechanism, a delivery cylinder adapted to remove each bill from said belt, and a travelling belt adapted to remove bills from said means, a mechanism for successively bringing said bunch pockets of said collecting mechanism into operative relation to said transfer mechanism, intermittently operative means acting thereon, and means engageable by each bill as it passes from said delivery cylinder into one of the pockets of said collecting mechanism for controlling the timing of the actuation of said last named means.

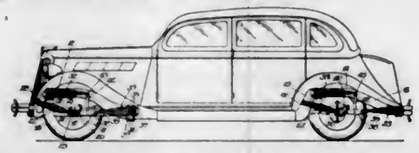
2,069,398
ROTARY BEATER AND PNEUMATIC SEPARATOR
John J. Wallace, Gouverneur, N. Y.
Application January 11, 1933, Serial No. 651,137
9 Claims. (Cl. 83—11)

6. A separator of the class described, comprising in combination a collecting chamber having an inlet opening, an exhaust chamber having an outlet opening and a separating chamber, said chambers being arranged in co-axial relation with each other with the separating chamber positioned intermediate the collecting chamber and the exhaust chamber and connected with said latter chambers by passages of less effective area than that of the respective chambers and arranged concentric therewith, an exhaust fan within the exhaust chamber for drawing air and materials from the inlet opening through the collecting and separating chambers and discharging the same out through the outlet opening, a disintegrator element within the separating chamber, feed means for depositing ground usable and foreign materials over the disintegrator element,



power means for operating the exhaust fan and disintegrator element in unison at a relatively high rate of speed, and separate means for removing waste materials collected in the collecting chamber.

2,069,399
SPRING SUSPENSION FOR AUTOMOBILES
Frank M. White, Forest Park, Ill., assignor of one-third to John K. Shuger and one-third to Elmer E. Colby, both of Chicago, Ill.
Application August 12, 1935, Serial No. 35,694
10 Claims. (Cl. 267—19)



1. In a spring suspension of the class described, the combination with a wheel and an axle to which the wheel is connected, of a support for said axle hingedly connected to the frame of the vehicle and permitting said axle and its wheel to move relatively to said frame, a pair of resilient devices arranged in different horizontal planes on the vehicle frame but vertically offset with respect to each other for absorbing the movement of the wheel relatively to the vehicle frame, and an equalizing device connected to said resilient devices and to said axle for transmitting movement of the axle to said resilient devices to permit the latter to absorb and dissipate the shock of the wheel movement.

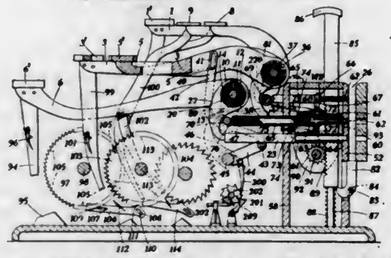
2,069,400
ASH RECEIVER
Charles E. Berg, Watertown, N. Y.
Application September 27, 1932, Serial No. 635,115
8 Claims. (Cl. 131—51)

1. In an ash receiver, a box-like receptacle formed with end and side walls, said end walls having longitudinal flanges bent back upon and engaging the side walls, one of said end walls having an extension bent back upon and lying flatly against it, the longitudinal edges of said



extension having bent over guide flanges to receive the cover of a match strip.

2,069,401
APPARATUS FOR INDICATING MONEY VALUES
Charles Laurence Burdick, London, England
Application February 14, 1934, Serial No. 711,251
In Great Britain February 16, 1933
16 Claims. (Cl. 164—112)



1. In apparatus for producing recordings of money values, the combination of keys representing each number of each unit of money value to be recorded, and means operable upon the actuation of a key to produce a separate recording representing each of the actual pieces of money which make up the required number of the unit in question.

2,069,402
LOCK WASHER
Eugene D. Cowlin, Massillon, Ohio, assignor to Eaton Manufacturing Company, a corporation of Ohio
Application June 29, 1935, Serial No. 29,125
14 Claims. (Cl. 151—35)

2. A lock washer comprising a spring plate having an aperture for accommodating a screw or bolt, the plate being of wavy contour and having an outwardly-extended locking portion on the convex side of each of a plurality of the plate waves upon both washer faces, said waves, under compressive force applied to the locking portions, being changeable in position over a range of positions from upper convex formation to upper concave formation and vice versa.

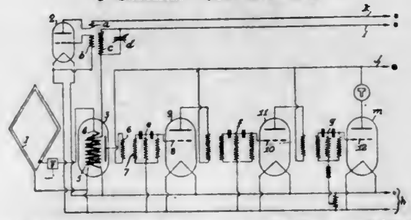
2,069,403
PROCESS FOR MAKING ALKALI METAL ALCOHOLATES
George Lewis Cunningham, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application February 24, 1936, Serial No. 65,491
8 Claims. (Cl. 260—156)

1. In the manufacture of alkali metal alcoholates, the improvement which comprises reacting an anhydrous alcohol having not more than four carbon atoms with the corresponding alkali metal amalgam in the presence of a carbon electrode in contact with the amalgam and the alcohol to form the corresponding alkali metal alcoholate.

2,069,404
MANUFACTURE OF ALKALI METAL ALCOHOLATES
George Lewis Cunningham, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application August 26, 1936, Serial No. 98,085
4 Claims. (Cl. 260—153)

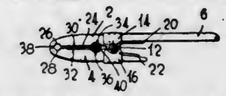
1. In the manufacture of alkali metal alcoholates, the improvement which comprises reacting an anhydrous alcohol containing not less than four carbon atoms with an alkali metal alcoholate of a lower alcohol containing not more than four carbon atoms and distilling the alcohol containing not more than four carbon atoms from the reaction mixture to form the alkali metal alcoholate corresponding to the original anhydrous alcohol.

2,069,405
RADIO RECEIVING ARRANGEMENT
Léon Ladislas de Kramolin, Berlin-Pankow, Germany
Application June 6, 1929, Serial No. 368,870
In Germany June 8, 1928
3 Claims. (Cl. 250—20)



1. A radio receiver comprising in combination an aperiodic pick-up circuit, a local oscillation generating circuit, a tube for mixing the energies from said two circuits comprising an anode, an electron-emitting element, a control grid and an auxiliary grid, means for conveying oscillations from said pick-up circuit to the control grid of said tube, means for conveying oscillations generated in said oscillation generating circuit to said auxiliary grid, an output circuit coupled to said anode, and an amplifier coupled with said anode circuit adapted to amplify a predetermined band of frequencies.

2,069,406
OIL GAUGE ROD WIPER
Mark F. Esch, Washington, D. C.
Application October 1, 1935, Serial No. 43,122
4 Claims. (Cl. 15—210)



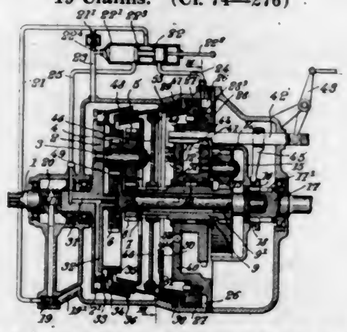
1. In an oil gauge rod wiper, a pair of levers pivoted on a common fulcrum, one of said levers being of greater length than the other, said fulcrum being spaced inwardly the same distance from adjacent ends of said levers to form adjacent wiping arms of equal length, a transverse groove in the adjacent faces of said wiping arms, a recess in each of said faces between said grooves and said fulcrum, an oil absorbent material dis-

posed within said recesses and means normally to urge together the adjacent faces of said wiping arms.

2,069,407
THERMIONIC CATHODE AND PROCESS OF ACTIVATION
Gorton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 29, 1930, Serial No. 471,599
4 Claims. (Cl. 250—27.5)

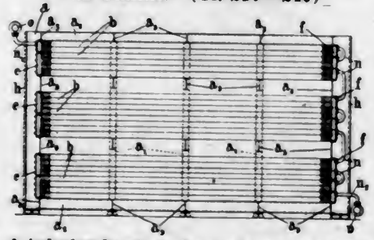
1. The step in the method of activating a thoriated tungsten cathode which comprises incandescing said cathode in the presence of hydrogen gas at a pressure of the order of atmospheric pressure at a temperature of about 3,000° K.

2,069,408
TRANSMISSION
Alphonse Forichon, Paris, France
Application December 5, 1935, Serial No. 53,069
In Belgium July 31, 1935
19 Claims. (Cl. 74—276)



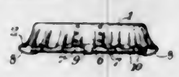
1. In a transmission, a driving shaft, a driven shaft, an epicyclic gear train connected to the driving shaft to provide a plurality of forward transmission ratios; an epicyclic forward and reverse gear train connected to the driven shaft, means operatively interconnecting the gear trains, means cooperating with said first mentioned gear train and including a control element on said interconnecting means to obtain forward speed ratios above the lowest, and means cooperating with said forward and reverse gear train to provide the lowest speed ratio when said control element is rendered ineffective.

2,069,409
HEAT TRANSFER APPARATUS
John Nelson Dundas Heenan, Hemel Hempsted, England
Application April 12, 1935, Serial No. 16,068
In Great Britain September 14, 1934
11 Claims. (Cl. 257—240)



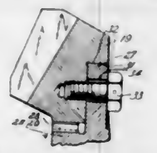
1. A tubular heat exchange apparatus comprising tube and header units the headers of which co-operate at opposite ends of the tubes, to form conduit-defining walls, all of said tube and header units comprising vertically superimposed tubes and some of said units comprising one header having two compartments and tubes providing a plurality of parallel paths of flow from one of said compartments through some of said tubes to the opposite header and parallel return paths through other tubes to the other compartment of said first header.

2,069,410
CONTAINER CLOSURE
Otto Höchstädter, Munich, Germany
Application October 18, 1934, Serial No. 748,935
In Germany October 20, 1933
3 Claims. (Cl. 215—39)



1. A closure for containers, more particularly bottles, comprising an inner expansible cap adapted to be releasably secured to the mouth of a bottle, an outer crimped cap disposed over said expansible cap and adapted to secure the latter over the bottle opening, means on the outer edge of the crimped cap for embracing the outer edge of the inner expansible cap for releasably retaining the expansible cap within the crimped cap when in an expanded condition, and means on said crimped cap for facilitating the removal of the outer cap.

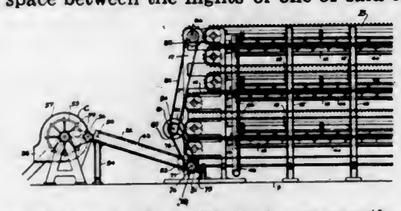
2,069,411
GEAR MOUNTING FOR AXLE DRIVES AND THE LIKE
Beverly W. Keese, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application December 2, 1933, Serial No. 700,719
8 Claims. (Cl. 287—52.05)



1. In combination, a shaft member having a plurality of radial flanges of different diameters, a ring gear adapted to engage said flanges and adapted to mesh with a bevel pinion, means on one of said flanges for non-rotatably fixing said flange to said ring gear, means on another of said flanges for rotatably engaging said ring gear, said last mentioned means being located at a greater distance from the center of said shaft member than the first mentioned means, and located substantially opposite the tooth pressure center of said ring gear.

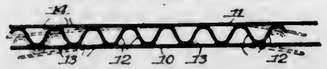
2,069,412
MACHINE FOR MAKING STUFFING FOR FURNITURE
Jacob Kronheim, Cleveland, Ohio
Application August 1, 1933, Serial No. 683,224
4 Claims. (Cl. 19—66)

1. In a machine for making stuffing for chairs, couches etc. from fibrous material, a curling section including superposed cooperating cross-wise corrugated endless conveyor belts arranged in close relationship with respect to each other, the inner surface of said conveyor belts being smooth, and a plurality of spring pressed rollers within the space between the flights of one of said con-



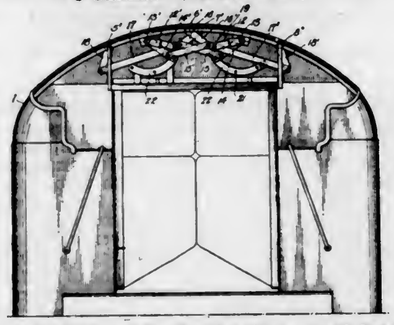
veyor belts contacting with the inner smooth surface thereof for guiding same and forcing one flight of the belt yieldingly towards the operating flight of another belt.

2,069,413
SOUND AND VIBRATION DAMPING CONSTRUCTION
Ralph L. Leadbetter, Royal Oak, Mich., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 6, 1935, Serial No. 53,276
19 Claims. (Cl. 154—44)



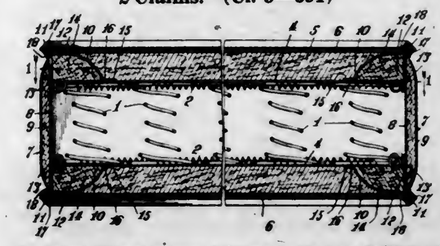
1. Means for suppressing the vibrations of panels, comprising a plurality of members secured to a side of said panel and being distributed over a substantial portion of the area of said panel, said members projecting laterally from said panel and being substantially non-yielding in their relation to said panel, whereby bending of said panel in one direction tends to spread apart the portions of said members remote from said panel and bending of said panel in the opposite direction tends to move said remote portions closer together, and means on said remote portions for substantially preventing one of said changes in the relative positions of said remote portions but not the other.

2,069,414
LOCOMOTIVE TENDER DOOR
William L. Lentz, Tuckahoe, N. Y., and Carl F. Kantola, Ashtabula, Ohio, assignors to The New York Central Railroad Company, a corporation of New York
Application July 8, 1936, Serial No. 89,639
6 Claims. (Cl. 105—237)



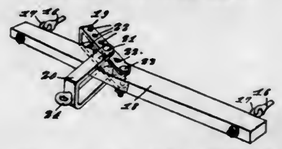
1. A locomotive tender having a coal loading opening in its top, a plurality of doors arranged on each side of the center of the opening and mounted to swing upwardly and downwardly respectively to substantially vertical and substantially horizontal open and closed positions, said doors forming in their open positions passageways and guides to direct the coal into the opening, the center doors at opposite sides of and adjacent to the center of the opening being arranged to be disposed back to back and in close proximity to each other in their opening position, angularly arranged members on the free edges of said center doors for closing the space between them when in open position, and means for opening and closing said doors.

2,069,415
MATTRESS CONSTRUCTION
Rudolph W. Lotz, Chicago, Ill., assignor to Sleeper, Inc., Chicago, Ill., a corporation of Delaware
Application October 12, 1935, Serial No. 44,788
2 Claims. (Cl. 5—351)



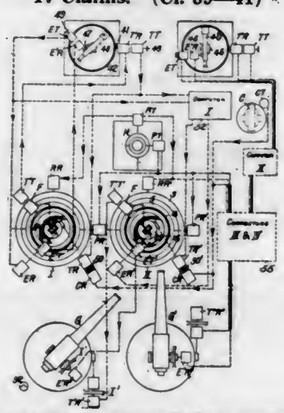
2. A mattress comprising a core consisting of a suitable spring assembly equipped with top and bottom covers secured thereto and extending to the peripheral edges of said assembly, padding filled marginal fabric casings secured along the peripheral top and bottom edges thereof and to said covers inwardly from the said peripheral edges of the spring assembly, each of said casings being equipped with a continuous outwardly projecting flange along its outermost portions, padding disposed over the remaining surfaces of said covers, cover ticks disposed over said last-named paddings and having their marginal edge portions secured to the said flanges of the marginal casings, and boxing strips secured along their upper and lower edge portions to said flanges of said marginal casings.

2,069,416
HITCH
Maris L. McClune, Kirkwood, Pa.
Application November 6, 1935, Serial No. 48,578
1 Claim. (Cl. 278—96.3)



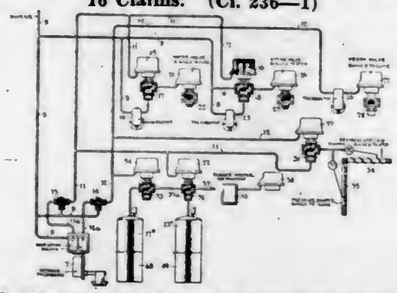
The combination of a draft bar having eyes at opposite ends thereof for link connection therewith of a ground working implement, a U-shaped member straddling the said bar from the rear thereof and having side limbs pivoted to the bar intermediate of its ends, another U-shaped member straddling the said bar and the first-mentioned member from the front of the bar and having a swiveled eye forwardly of said bar, and a coupling pin adjustably fixed in the first-mentioned member and pivotally connecting the last-mentioned member with the said first-mentioned member.

2,069,417
FIRE CONTROL SYSTEM
Hugh Murtagh, Brooklyn, N. Y., and Bruno A. Wittkuhns, Summit, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 10, 1934, Serial No. 706,034
17 Claims. (Cl. 89—41)



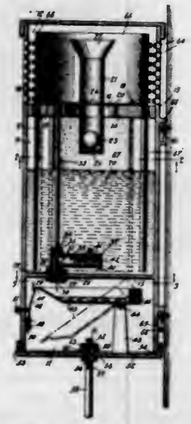
1. In a naval anti-aircraft fire control system, the combination with a sight mounted for rotation in the plane of the ship's deck and for elevation in a plane perpendicular thereto, a master compass and a master vertical, of a train transmitter and an elevation transmitter at said sight but disconnected therefrom, means for eliminating the effect of the ship's roll and yaw including a part stabilized from said vertical, and parts positioned in azimuth and elevation from said transmitters and said compass, connections between said parts reproducing the displacement of the telescope in azimuth and elevation due to roll, pitch and yaw and the original set in angles, and transmitters actuated thereby for rotating and elevating said telescope.

2,069,418
TEMPERATURE REGULATION
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 8, 1936, Serial No. 95,012
16 Claims. (Cl. 236—1)



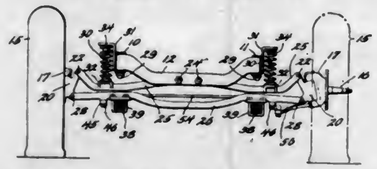
10. The combination of a thermostatic control device adapted for adjustment to respond in reverse senses to temperature changes; two regulatory lines adapted to control through the establishment and dissipation of pressure therein; means operable in response to pressure conditions in both of said lines to effect said adjustment of the thermostatic control device; and means operable to charge or vent said lines and thereby control pressure conditions therein.

2,069,419
DEODORIZER AND ANTISEPTIC DEVICE
Cornelius W. O'Reilly, Kew Gardens, N. Y.
Application July 24, 1934, Serial No. 736,756
2 Claims. (Cl. 4—222)



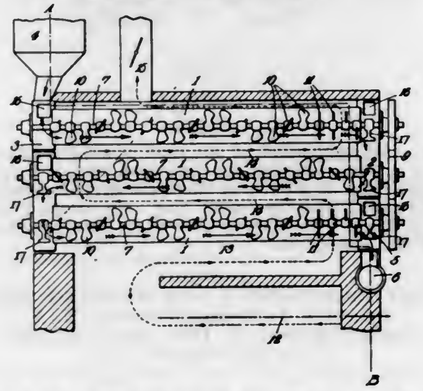
1. In disinfecting apparatus, an automatic measuring device for delivering disinfecting fluid periodically to a fluid dispensing unit, said measuring device comprising a fluid receptacle having a pivotal mounting so as to be shiftable from a horizontal fluid receiving position to an angular fluid depositing position, and means for holding said receptacle in horizontal position until a predetermined amount of fluid is accumulated in said receptacle, said means including a counterweight at one end of the receptacle beyond the pivotal mounting, and a resilient automatically releasable latch member having a fixed mounting adjacent the receptacle and positioned so as to engage the opposite end of the receptacle when it is in horizontal position.

2,069,420
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 2, 1934, Serial No. 704,959
4 Claims. (Cl. 280—124)



1. In a motor vehicle, the combination with a vehicle frame, of road wheel assemblies disposed at opposite sides of said frame, and means supporting said wheel assemblies for independent rising and falling movement with respect to the frame, said means including a link extending transversely of the vehicle and pivoted to each wheel assembly, separate links vertically spaced from said first link, each of said last named links being pivoted to said frame and one of said wheel assemblies, torque arms acting between said frame and said means to resist braking torque, and separate springs acting between the respective links and said frame resisting upward movement of said wheel assemblies.

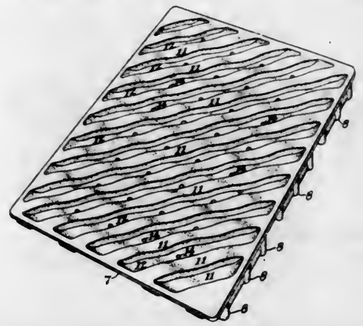
2,069,421
APPARATUS FOR THE DISTILLATION OF SOLID CARBONIZABLE FUEL
Edoardo Michele Salerni, London, England, assignor to Societe d'Etudes et de Valorisation Industrielle des Combustibles, Societe a Responsabilite Limitée, Paris, France, a French company
Application October 4, 1933, Serial No. 692,173
In France October 6, 1932
2 Claims. (Cl. 202—117)



1. A low temperature carbonization retort furnace of the continuously acting type in which the heating is external and the material is continuously kneaded, comprising a horizontally disposed tubular member positioned within the furnace, means for conducting the material into one end of the tubular member and for discharging the material at the opposite end of the tubular member, a shaft revolubly mounted in said tubular member, helicoidally shaped paddles non-rotatably secured to said shaft for feeding the material through the tubular member, non-propelling means secured to the shaft adjacent the discharge end of the tubular member for maintaining a substantially fixed level of the material in the tubular member during the operation of the furnace, means for actuating said shaft, and said non-propelling means including spaced segmental members circumferentially offset on said shaft relative to one another so that the several segments in end view have the appearance of a circle, and means for actuating said shaft.

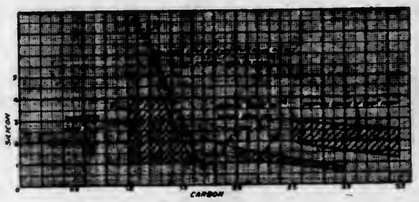
2,069,422
PNEUMATIC MATTRESS AND THE LIKE
Robert W. Sampson, New York, N. Y., assignor to Charles J. Hardy, New York, N. Y.
Application November 23, 1933, Serial No. 699,328
7 Claims. (Cl. 5—348)

4. The combination in a mattress of a pneumatic core having a series of comparatively deep trough like depressions each extending from within one edge to within another edge of one face thereof, and another series of comparatively deep trough like depressions each extending across the opposite face of the core within its edges with their longitudinal axes offset angularly from those of the first mentioned series, the bottoms of the opposed depressions being separated by comparatively thin integral webs, ventilating openings passing through said webs and forming channels interconnecting a plurality of said depressions, and a textile facing for each side of the core, the depth of the depressions being sufficient to prevent the textile facings from reaching their bottoms in the normal use of the mattress, whereby series of permanently



free and relatively cross interconnected, ventilating channels are maintained in the opposed faces of the core.

2,069,423
FERROUS ALLOY
Harry A. Schwartz, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application March 5, 1932, Serial No. 596,971
9 Claims. (Cl. 75—123)



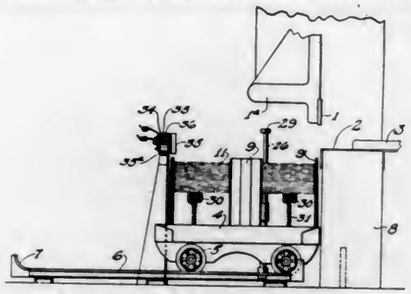
5. A ferrous alloy containing more than 2 to about 3% of silicon and about 1.2--1.4% of carbon and the remainder being substantially iron.

9. A ferrous alloy containing carbon and silicon in proportions such as to give a non-eutectiferous alloy and ranging from above 1, to about 4% of silicon and about 1 to 1.6% of carbon, together with manganese in the proportion of about .18 to less than .38%, and substantially all the remainder of iron.

2,069,424
SHEET STACKING APPARATUS
Rudolph R. Seft, Brackenridge, Pa.
Application February 10, 1934, Serial No. 710,645
2 Claims. (Cl. 271—89)

1. A sheet stacker comprising a support having a flat horizontal sheet supporting surface with transverse slots, sheet aligning members secured to brackets movably mounted in the slots of said support, links connecting said brackets, a common actuator for said links, means biasing said actuator to normally contract said aligning members a lever for subjecting said actuator to angular movement, and a plunger on the side of said sheet support operatively joined to said lever to actuate

the same, said plunger being spring biased to extend vertically upward and being adapted when



depressed to move said aligning members to their extended position.

2,069,425

MANUFACTURE OF LAMINATED GLASS

Charles S. Shoemaker, Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 8, 1936, Serial No. 84,227
8 Claims. (Cl. 49—81)

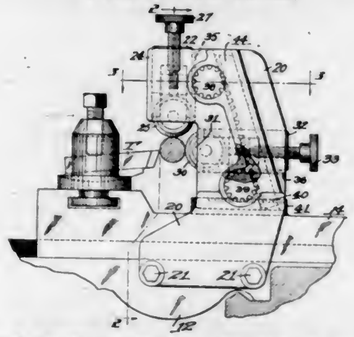
1. In the manufacture of laminated glass the steps consisting in forming a film of a solution of a polymerized acrylic acid ester on a glass sheet, thereafter drying the film on the glass sheet by heat, forming a film of dibutyl phthalate on the coating on the glass sheet, forming a sandwich of the coated glass sheet and a second similarly coated glass sheet with the strengthening material therebetween and thereafter, without the application of heat, subjecting the sandwich to pressure and permitting it to cool down under pressure.

2,069,426

FOLLOW REST

Edwin R. Smith, Seneca Falls, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts

Application May 11, 1935, Serial No. 21,015
1 Claim. (Cl. 82—35)



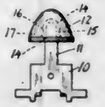
In a machine, a tool carriage, a tool slide mounted on said carriage for movement transversely of said machine, a stand fixed on said carriage, a first work-engaging device mounted for vertical movement in said stand, a second work-engaging device mounted for horizontal movement in said stand, a pinion mounted in said stand and engaged by rack teeth on said tool slide and also by rack teeth on said second work-engaging device, and a rack bar mounted for vertical sliding movement in said stand and engaged by said pinion and directly connected at its upper end to said first work-engaging device, whereby rearward and forward adjustment of said tool and tool slide effects equal and simultaneous adjustment of said first and second work-engaging devices toward and away from the work.

2,069,427

KNOB FASTENER

Frank Stott, St. Albans, N. Y., assignor to Marks Products Co. Inc., Brooklyn, N. Y., a corporation of New York

Application April 24, 1935, Serial No. 17,990
5 Claims. (Cl. 287—53)



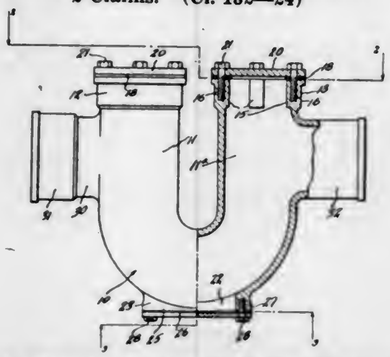
1. An implement of the kind described including a tang adapted for insertion into a handle consisting of a strip of sheet material having an elongated aperture near one end thereof and forming a loop portion and teeth on the outside of said loop portion.

2,069,428

CAST IRON DOUBLE HUB RUNNING TRAP

Arnold J. Tobiason, Amityville, N. Y.

Application April 14, 1936, Serial No. 74,293
2 Claims. (Cl. 182—24)



1. A trap of the character described comprising a body portion and parallel leg portions of substantial uniform thickness and internal diameter, said leg portions terminating in hubs of increased thickness, threaded bolt receiving portions provided at spaced intervals on the inside wall of said hubs, an inlet pipe fitting on one leg portion, an outlet pipe fitting on the other leg portion, said pipe fittings projecting laterally from said leg portions and in horizontal axial alignment, a cover plate fitted to the open end of each of said hubs and provided with bolt receiving openings registering with said hub bolt receiving portions, bolts inserted through said openings engaging said hub bolt receiving portions for securing said cover plates to said hubs, a formation at the bottom of said body portion defining an opening, and a cover plate removably secured to said opening.

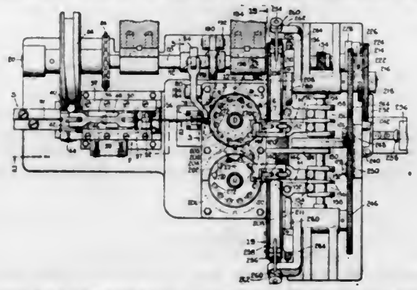
2,069,429

APPARATUS FOR THE MANUFACTURE OF SLIDE FASTENERS

Frederick Ulrich, New York, N. Y., assignor to Conmar Products Corporation, New York, N. Y., a corporation of New York

Application October 15, 1935, Serial No. 45,035
21 Claims. (Cl. 29—33)

1. An apparatus for manufacturing slide fasteners, comprising means to form a series of interlocking fastener elements from a continuous strip of stock, alternate elements being faced in a direction opposite to that of the intermediate elements, means to separate the alternate ele-



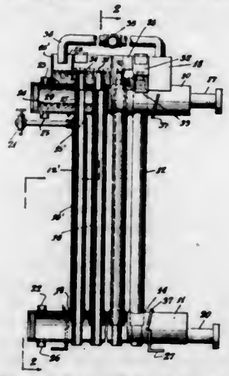
ments from the intermediate elements in order to form two series of elements, whereby the elements of each series all face in one direction, and mechanism to operate the aforesaid means in proper time sequence.

2,069,430

CONDENSER FOR REFRIGERATING SYSTEMS

Johann Heinrich Hermann Voss, White Plains, N. Y.

Application September 24, 1935, Serial No. 41,845
9 Claims. (Cl. 257—35)



1. A condenser for refrigerating systems comprising an upper and a lower header, a plurality of vertically arranged double pipes connecting both headers, an extreme outer pipe from the top of the lower header closed around its concentric inner pipe below the upper header, providing a ringspace between them for the mixture of foul gases and refrigerating agent from the lower header, a means distributing a cooling medium from the top acting to eliminate the refrigerating agent by condensation from the mixture, and means to discharge the foul gases.

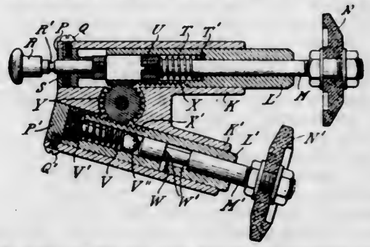
2,069,431

GRINDER

John Jacob Waage, Bronx, N. Y., assignor to Globe Slicing Machine Co., Inc., New York, N. Y., a corporation of New York

Application February 17, 1932, Serial No. 593,498
6 Claims. (Cl. 51—248)

1. The combination of a slicing machine having a rotary knife, with a grinder support pivoted at a point spaced from the knife, a pair of grinders supported thereby and movable toward and away from the face of the knife in a plane at right angles to the plane of the knife concurrently with the support, means to simultaneously move the grinders in opposite longitudinal directions independently of the support one of said



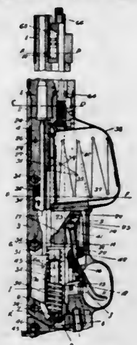
means comprising a resilient connection, and means comprising a longitudinally movable plunger to overcome the resiliency of said resilient connection to hold one of the grinders away from the knife while the other grinder is in operating position, and means to lock said plunger in such position.

2,069,432

AUTOMATIC DEVICE FOR AUTOMATIC FIREARMS

Saburo Watanabe, Kita-Shinagawa, Shinagawa-ku, Tokyo, Japan

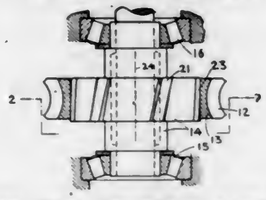
Application December 19, 1933, Serial No. 703,044
In Japan December 30, 1932
3 Claims. (Cl. 42—3)



1. In an automatic firearm having a bored barrel, a frame, a pin in said frame and a crank pivoted to said frame by said pin and having a free end, a breech block adapted to travel in line with and toward the rear end of said barrel and having a pin, a link interposed between said breech block and crank and connected to the breech block by said second pin, a third pin connecting said crank to said link, said crank, link and breech block forming a toggle crank link mechanism having three pins and capable of breaking outwardly, means on said crank preventing reverse or inward bending of said mechanism, said third pin being disposed in an intermediate position with respect to the other two pins having at least a zero deviation to the outward direction with respect to a line connecting said other two pins into which the mechanism bends, an actuator movable in general parallelism with the axis of the barrel adjacent to a portion thereof and in a normal rearward initial position abutting with its rear end the free end

of said crank, a return spring retaining said actuator in its normal initial position, a gas chamber forming a piston cylinder parallel with the bore of said barrel and communicating directly therewith through a gas port located adjacent to the muzzle of the barrel, a piston reciprocably disposed in said cylinder forwardly of said gas port and capable of being projected in a forward direction therein by gas pressure entering said cylinder rearwardly of said piston from said barrel, a piston rod upon the piston operatively connected to said actuator so as to cause the latter to move with said piston, a projection upon the crank extending in a direction opposite to the direction of bending of the mechanism, and a corresponding projection upon the actuator engaging against and positively displacing said crank outwardly, so as to effect initial positive deviation of the toggle crank link mechanism from normal locked position upon forward movement of the actuator by the piston and allow subsequent rearward movement of said mechanism by breech block pressure.

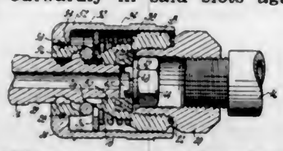
2,069,433
GEAR DRIVE
Ernest Wildhaber, Irondequoit, N. Y.
Application October 5, 1933, Serial No. 692,310
Renewed July 9, 1936
19 Claims. (Cl. 74—402)



1. A gear drive, comprising a pair of intermeshing gears having teeth inclined to the direction of their respective axes, at least one of said gears having teeth of changing axial lead so as to receive different axial thrust components per unit of torque transmitted at different points lengthwise of a tooth, a rotary element coaxial with said one gear, means for rotatably mounting said element in an axially fixed position, an operative connection between said element and said one gear to permit motion of said one gear in a substantially helical path with respect to said axially fixed element while in operation, the lead of said path being equal to the axial lead of the teeth of said one gear at a point intermediate the tooth ends and differing from the axial leads at said tooth ends, so that the axial thrust load of the gear teeth is balanced only when the resultant tooth pressure coincides substantially with the tooth normal at said intermediate point, and means for rotatably mounting the other gear of said pair in engagement with said one gear.

2,069,434
SPEED COUPLER
Ivan L. Eastman, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application March 16, 1936, Serial No. 69,125
16 Claims. (Cl. 284—19)

1. In a quick fluid line coupler, a nipple fitting, a sleeve fitting adapted to receive said nipple fitting, slots in said sleeve fitting inclined inwardly and toward the outer end thereof, pins slidable in said slots, means constraining said pins toward the inner ends of said slots, said nipple fitting having shoulders for engaging said pins and sliding them outwardly in said slots against the



action of said constraining means, said constraining means sliding said pins inwardly behind said shoulders after said shoulders have passed said pins.

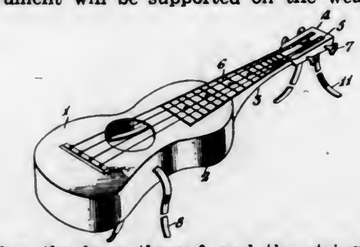
2,069,435
WINDOW CONSTRUCTION
Wesley W. Eager, Los Angeles, Calif., assignor of one-half to Columbus A. Tierney, San Marino, Calif.
Application April 24, 1933, Serial No. 667,627
8 Claims. (Cl. 98—88)



1. In a window construction, a plurality of fixedly mounted sashes spaced to define substantially horizontal ventilating apertures therebetween, a tray removably disposed within each of said apertures, a plurality of blades pivotally mounted in each of said trays, a lever extending from each of said blades, a link pivoted to all of said levers in each tray to hold the associated blades in parallel planes, an operating rod extending adjacent all of said trays, a plate disposed adjacent each of said links and mounted rigidly upon said operating rod, each of said plates having a socket, a pin rigid with each of said links and adapted to move into operative engagement within the associated socket when the associated tray seats within its associated ventilating aperture, each of said plates having means retaining the associated pin operatively disengaged therefrom until the blades of the associated tray occupy positions corresponding to the position of the other blades operatively connected to their associated plates, and means for moving said rod.

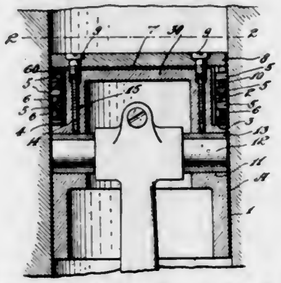
2,069,436
STRINGED INSTRUMENT ATTACHING AND SUPPORTING MEANS
Jennie Feldman, New York, N. Y.
Application November 16, 1933, Serial No. 698,321
Renewed July 9, 1936
1 Claim. (Cl. 84—327)

A miniature stringed musical instrument having a body constructed with a total length adapted to fit below the knee and above the ankle, said instrument including a hollow sound box and a neck extending therefrom and having a transverse passage therethrough and musical strings of different musical key stretched across the sound box and the neck, said neck being equipped with means for varying the tension of the strings, strap looped through the upper end of the neck and adapted to be secured about the leg of a person below the leg knee, the body having sides formed with slots, and straps having end portions secured in said slots and other end portions connectible to each other around the body of the leg of a person, whereby the musical instrument will be supported on the wearer's leg



below the knee thereof and the strings of the instrument may be manually acted upon to produce musical sounds, the neck being provided with frets located below the first named straps.

2,069,437
PISTON AND PACKING
Nathan Frank, Newark, N. J., assignor to Colonial Capital Corporation, Newark, N. J., a corporation of New Jersey
Application July 10, 1935, Serial No. 30,594
4 Claims. (Cl. 309—15)



2. In combination, a piston having a reduced cylindrical portion at its head end and a shoulder at the inner end of said reduced portion, a plurality of piston rings and spacers alternately arranged in stacked relation on said shoulder surrounding said reduced portion with a spacer outermost and projecting above the top surface of the piston head, a clamping plate adjustably secured on said top surface of the piston head in overlying contact with said outermost spacer for holding said rings and spacers on the piston, whereby outermost spacers of different thickness can be interchanged to compensate for wear on the contacting surfaces of the rings and spacers all of said rings and spacers being movable relatively to each other and said piston transversely of the latter, and a split ring spring expander interposed between said piston and said rings and spacers, bridging and contacting with the inner peripheries of all of said rings and free of said spacers, whereby only a single expander need be changed to compensate for wear on the faces of all of the rings.

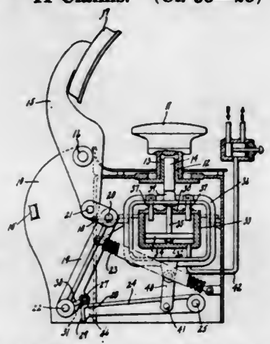
2,069,438
DISPENSER FOR COFFEE CANS
Harry Goldstein, Brooklyn, N. Y., assignor of one-half to Charles Seinfeld, Brooklyn, N. Y.
Application May 15, 1935, Serial No. 21,537
5 Claims. (Cl. 221—104)

1. A can having a delivery opening therein, a diaphragm provided with an opening therein and spaced apart from the can, a valve sliding between the two, means for manipulating the valve including a flexible member adapted to fold



against the valve; and a seal for normally covering said flexible member.

2,069,439
PRESSING MACHINE
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application January 12, 1935, Serial No. 1,451
11 Claims. (Cl. 38—25)

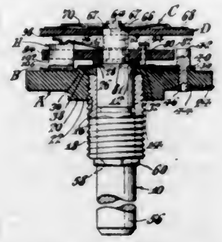


1. In a pressing machine, a frame, a bed mounted upon the frame and having a downwardly extending stem by which it is movable vertically relative to said frame, a head lever pivotally mounted on the frame, a head carried by said lever for movement to and from coacting position adjacent said bed, a vertically acting cylinder and piston motor mounted on the frame beneath said bed with its piston rod aligned with said stem, operative connections between said motor and said head lever whereby to move said head to coacting position adjacent the bed, and said piston rod of said motor having sufficient stroke for engaging said stem to raise said bed into engagement with said head.

2,069,440
FRICTION CLUTCH RHEOSTAT
Clarence J. Hathorn, St. Marys, Pa., assignor to The Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application July 23, 1935, Serial No. 32,717
9 Claims. (Cl. 201—55)

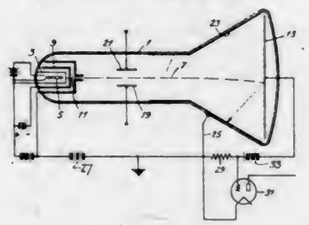
1. An adjustable resistance device comprising a base of insulating material, a flat resistance element mounted upon said base, a central circular boss on said base having a diameter of substantially the same diameter as the inner diameter of the flat resistance element, a groove upon the upper surface of said boss, a washer of electrical conducting material within said groove, a control shaft having a friction disc spring securely mounted upon one end thereof, a friction disc loosely mounted upon said control shaft and engaged by said friction disc spring, a volume control head parallel to said friction disc and loosely mounted upon said control shaft and having a

contact shoe opening therein, a plurality of spacer members between said friction disc and said volume control head, said spacer members securely mounted to said volume control head and connected to said friction disc whereby rotatable movement of the friction disc rotates the volume control head, a pressure arm connected to said volume control head, a resistance element



contact shoe interfitting with said contact shoe opening and engaging said resistance element and being pressed against the resistance element by the said pressure arm, said contact shoe being rotatable upon rotation of said volume control head, and means to limit the movement of said contact shoe, said control shaft being unlimited in clockwise or counterclockwise movement.

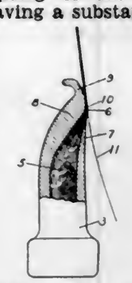
2,069,441
ELECTRON TUBE
Lewis Barnard Headrick, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1933, Serial No. 673,570
6 Claims. (Cl. 250—27.5)



1. An electron device comprising an electron source for producing a beam of electrons, a target formed of a plurality of sections of material, each section facing said electron source, each capable of emitting secondary electrons under the influence of a cathode ray, said secondary emission being of different magnitude for dissimilar sections, and means to deflect the electron stream developed to cause the beam to traverse in sequence the sectional target.

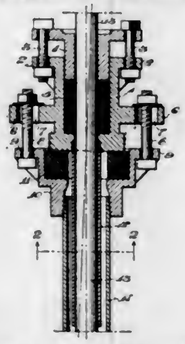
2,069,442
DISPENSING DEVICE
Ambrose Heseltine, Erie, Pa.
Application April 18, 1935, Serial No. 17,022
5 Claims. (Cl. 91—67.5)

1. A dispensing device comprising a collapsing receptacle adapted to exert discharge pressure on its contents and having a discharge opening and a discharge nipple on the receptacle and leading from the opening having a cross slit opening on one side face of the nipple and spaced from the end of the nipple, said slit having a closing lip at the back of the slit opening under pressure of material in the nipple communicated from the collapsing of the receptacle and a spreading lip having a substantially flat spread-



ing surface between the slit and the outer end of the nipple.

2,069,443
STUFFING BOX
Richard D. Hill, Wichita Falls, Tex., assignor of twenty-five per cent to Ralph Decker, twenty-five per cent to W. L. Robertson, and fifty per cent to L. D. Mowrey, all of Wichita Falls, Tex.
Application August 3, 1934, Serial No. 738,174
1 Claim. (Cl. 286—15)

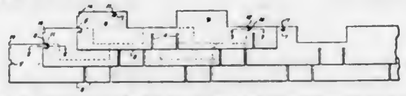


Means for packing a polish rod comprising a stuffing box and a support mounted upon the well tubing, said support having an annular recess therein, one end of said stuffing box extending into the recess and normally peripherally spaced from the wall thereof, a resilient packing in said recess upon which the stuffing box rests, packing means within the stuffing box surrounding the polish rod, means connecting the stuffing box and support together for relative movement therebetween, and a sleeve fixed to the stuffing box and closely embracing said rod for movement therewith during movement of the stuffing box end in said recess, said sleeve extending into the well tubing a distance below the lower end of the support to retard passage of liquid upwardly between the said rod and stuffing box packing.

2,069,444
SHINGLE
Harry H. Honigbaum, Forest Hills, N. Y.
Application October 17, 1934, Serial No. 748,589
7 Claims. (Cl. 108—7)

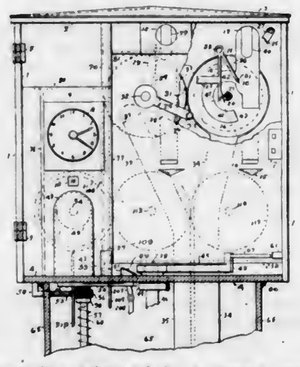
1. As a new article of manufacture, an elongated strip of roofing material having a longitudinal weather edge and the opposite longitudinal edge of the strip shaped to form consecutive portions of the length of the strip into alternately wide and narrow parts, so that the strips may be laid in successive courses to break joints over

the wide parts of underlying strips, said strip being provided at the upper edges of one of its wide parts and one of its narrow parts with tongues to facilitate laying of a plurality of said shingle strips in courses.



6. A shingle of slate covered composition roofing material having a weather edge, the slate surface of said shingle being removed along predetermined lines extending from the weather edge to outline the zone of a cut out, leaving the greater portion of such zone with its slate covering to give the effect of actual cut outs when a plurality of these shingles are laid on a roof.

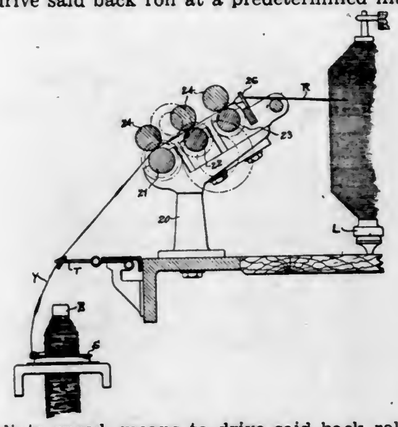
2,069,445
PARKING POST
Edwin Hopkins, New York, N. Y.
Application January 27, 1930, Serial No. 423,841
38 Claims. (Cl. 194—49)



1. Apparatus adapted to secure a vehicle and to retain it until manually released, comprising a post in which is mounted a rotatable windlass, a cord or chain wound on said windlass and adapted to be drawn off upon the release of said windlass, means to so release said windlass; a cord or chain holder pivoted in said post having a member adapted to be drawn out manually, said cord or chain when drawn off said windlass adapted to be passed through a portion of a vehicle to be secured and thereafter secured to said chain holder; said holder means adapted, upon being manually released to automatically return partly within said post; means wherein said holder means is thereupon automatically latched against manual withdrawal, and coin controlled releasing means, adapted to increase, as time passes from the securing of said vehicle, the amount of coin necessary to release said holder from said latch, and means manually operable, upon reception of the necessary coin, to effect the release of said holder, it being thereby adapted to permit the cord or chain to be removed.

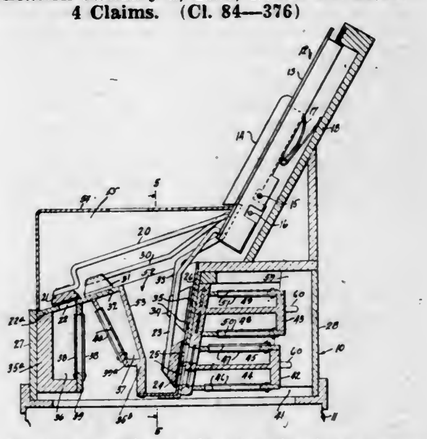
2,069,446
DRAWING MECHANISM FOR SPINNING OR TWISTING MACHINES
Leon H. Horner, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application February 10, 1936, Serial No. 63,201
11 Claims. (Cl. 117—22)

1. Drawing mechanism for a spinning machine having front and back drawing rolls, comprising, means to drive said front roll continuously at constant speed, means to drive said back roll at low speed through an overrunning clutch, means to drive said back roll at a predetermined inter-



mediate speed, means to drive said back roll at high speed, and pattern controlled means determining the selective operation of the low, intermediate and high speed drives.

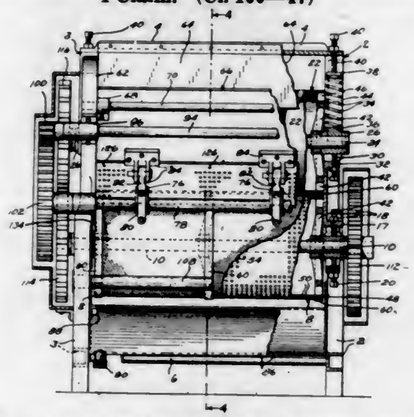
2,069,447
ACCORDION
Candido Iorio, Jamaica, N. Y., assignor to Gretsch & Brenner, Inc., New York, N. Y., a corporation of New York
Application January 2, 1936, Serial No. 57,159
4 Claims. (Cl. 84—376)



1. In an accordion, a housing having a cover formed with a sound outlet opening, a bank of reed chambers in said housing, a second bank of reed chambers in said housing, said banks of reed chambers being spaced from the cover of the housing to provide a sound merging chamber and being spaced from each other to provide a sound chamber leading from the sound merging chamber, playing keys, an arm extending from each key towards one of the first bank of reed chambers, a second arm extending from each key towards one of the second bank of reed chambers, and a valve cover on each arm controlling their respective reed chambers, one bank of reed chambers extending in a vertical plane across the accordion with the outlets of its chambers opening into the sound merging chamber and the

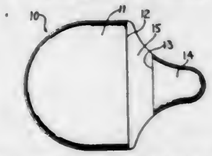
other bank of reed chambers extending in a horizontal plane with the outlets of its chambers opening into the sound chamber.

2,069,448
ROTARY PRESS
Frank L. Ireland, Norwich, and Frank L. Chappell, Hobart, N. Y.
Application June 27, 1934, Serial No. 732,670
1 Claim. (Cl. 100—47)



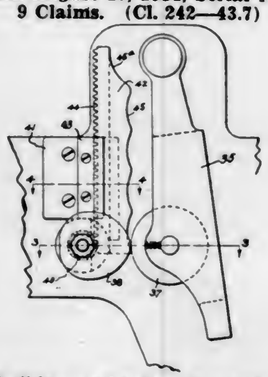
A rotary press for dehydrating casein, or the like, comprising cooperating pressing rolls, the lower one of which is perforated to permit a discharge of the liquid therethrough, a hopper for holding the mass of casein curds to be pressed and for guiding it into feeding relation to the rolls, said hopper having the outer wall thereof hinged to oscillate toward and from the bite of the rolls in such a path with respect thereto that it both lifts the mass of curds away from the drainage openings of the lower roll on which it has been resting and squeezes it against the upper roll near the bite, said hopper wall being perforated adjacent to said lower roll to permit discharge of the liquid thus expressed, and means for oscillating said hopper wall.

2,069,449
HAND PROTECTOR
Carl F. Jensen, Bridgeport, Conn.
Application May 1, 1934, Serial No. 723,347
8 Claims. (Cl. 2—20)



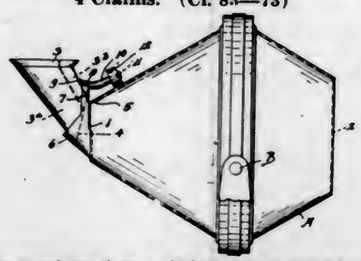
4. In a hand protector, a relatively flat finger portion to receive the tip portions of the fingers of a hand, a cot portion to receive the end portion of the thumb of the same hand, said portions having their entrances arranged in opposing relation, a flexible means connecting said finger and cot portions, said cot portion having its entrance flaring outwardly to each side of its center line, and said cot portion arranged to have its center line align with a center line drawn across a flat face of the finger portion whereby the protector is equally applicable to each hand of a user.

2,069,450
BUNCH BUILDING MECHANISM
John A. Jessen, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application August 17, 1934, Serial No. 740,313
9 Claims. (Cl. 242—43.7)



3. In a builder mechanism, a continuously rotating cam, a lever, a cam follower on said lever normally engaged by said cam, a displaceable cam bar mounted to move in a fixed path adjacent said cam and engageable with said cam follower, and means to move said cam bar at a predetermined rate to give said lever a succession of short oscillations, said rotating cam being inoperative when said cam bar is in operative engagement with said cam roll and becoming operative as said cam bar is released and displaced.

2,069,451
CONTROL CHUTE MEANS
Charles S. Johnson, Champaign, Ill.
Application February 6, 1935, Serial No. 5,297
4 Claims. (Cl. 83—73)

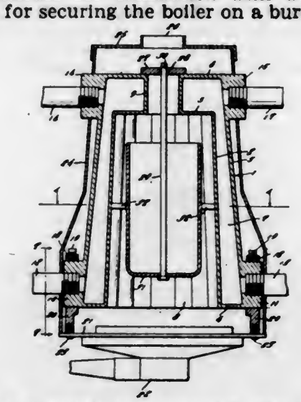


2. In combination, a tilting mixer provided with a charging opening, supply chute means cooperable with said opening for charging the said mixer, the same including a chute member shiftable into the path of the tilting movement of the mixer responsive to registering said chute with said charging opening, and an instrumentality controlled by the movement of the mixer for positively maintaining such registered position during charging, said instrumentality further acting, when the mixer is moved to discharging position, to shift the chute member out of the path of movement of the mixer.

2,069,452
WATER HEATER
Robert P. Keilbaugh, Erie, Pa.
Application March 29, 1934, Serial No. 718,076
Renewed March 31, 1936
4 Claims. (Cl. 122—156)

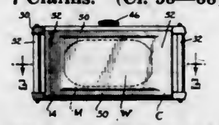
1. In a water heater of the class described

comprising a boiler, integral bosses projecting from the lower portion of the boiler on opposite sides thereof for connection with water pipes, means for securing the boiler on a burner having



laterally disposed side portions, said means including rings encircling each of said bosses, set screws for securing the rings to said bosses, supporting legs depending from the rings and being connected to the lateral flanges of said burner.

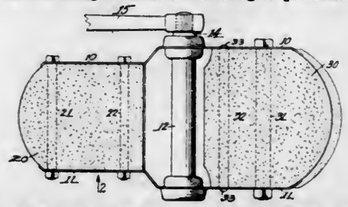
2,069,453
WRIST WATCH
Benjamin Lazrus, Lawrence, N. Y., assignor to Benrus Manufacturing Company, New York, N. Y., a corporation of New York
Application July 31, 1936, Serial No. 93,548
7 Claims. (Cl. 58—88)



7. A wrist watch comprising an oblong movement having a flat bottom, and an oblong case to receive said movement, said case having a top which is curved to conform to the wrist and a bottom which is similarly curved and which is spaced from the top by only a small distance in order to produce the appearance of an exceedingly thin case, the spacing being too small to receive the movement were the entire bottom of the case curved, a part of the bottom of the case being depressed to form an oblong well, said part being substantially smaller than the dimension of the case both longitudinally and transversely and being of such dimension as to receive the bottom of the oblong movement, and means on the ends of the case to receive the ends of a wrist band, said means being so located that the curved bottom of the case tends to rest on the wrist of the wearer.

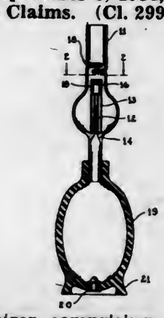
2,069,454
BICYCLE PEDAL
Bror M. Lofquist and Sixten J. Olson, Fitchburg, Mass.
Application March 28, 1935, Serial No. 13,498
1 Claim. (Cl. 208—70)

A bicycle pedal comprising a hub portion, sheet metal side frame members secured thereto and having their rear portions offset inward, a thick and heavy heel block substantially equivalent in area to a man's shoe heel, said block being positioned between said offset rear side frame portions, a pair of spaced bolts extending through said block and said side frame members and securing said block in fixed position between said frame members, a toe block at least equal in area to said heel block but being wider, thicker and heavier than said heel block and having a front end portion extending forward beyond the ends of said side frame members, a bolt extending through said side frame members near their front ends and through said toe block near the center of its length and affording a pivotal bear-



ing for said toe block, and a stud fixed in said toe block substantially rearwardly from said bolt and extending into short segmental slots in said side frame members, said stud thereby limiting rocking movement of said toe block, and said heel block being at a greater distance from the hub axis than the toe block, and thereby slightly overbalancing the toe block and maintaining said pedal in a predetermined inclined position when idle.

2,069,455
ATOMIZER
Robert F. Massa, New York, N. Y.
Application September 8, 1934, Serial No. 743,245
15 Claims. (Cl. 299—88.5)

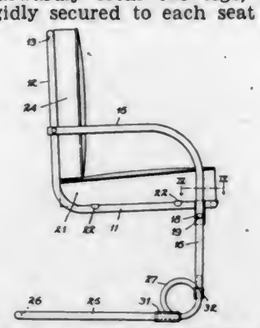


1. An atomizer comprising a spray directing tube, an air tube joined to said spray directing tube having one end extending into said spray directing tube, an air bulb connected to the other end of said air tube, a liquid tube loosely positioned around said air tube with one end in aspirating relation with said one end of said air tube adapted to direct a liquid from the region of the connection of said spray directing tube and said air tube to said extending end of said air tube, and means formed on said spray directing tube engaging said liquid tube adjacent said one end thereof for preventing substantial movement of said liquid tube relative to said air tube.

2,069,456
CHAIR
William R. McGowen, Pittsburgh, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 5, 1935, Serial No. 564
2 Claims. (Cl. 155—50)

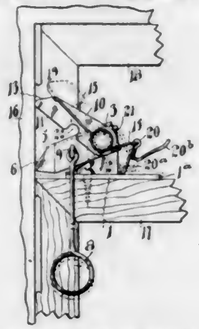
1. Seat structure comprising floor bars, members extending upwardly and rearwardly to form

legs and arm rests, flexible spring elements connecting the legs to the floor bars, seat bars extending rearwardly from the legs, a bracket member rigidly secured to each seat bar, each



bracket member extending vertically at the inner side of a leg member and partially embracing said member, and means for connecting each bracket member to its associated leg.

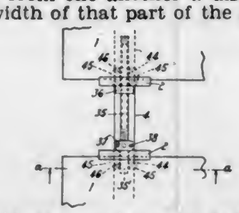
2,069,457
WINDOW SASH HOLDER
Clinton Le Baron McKee, St. John, New Brunswick, Canada
Application September 27, 1934, Serial No. 745,657
3 Claims. (Cl. 292—226)



1. In a sash holder, the combination of a base having a pair of spaced posts extending upwardly therefrom; a pivot pin supported by said posts; a downwardly inclined wedging member on said pivot pin; spring means normally tending to swing said wedging member upwardly; said wedging member comprising a hollow body portion and a frame-engaging nose-piece fitted in the end of said body portion; a pin extending through said body portion and nose piece to hold the latter in position; and a handle depending from one end of said pin by means of which the wedging member may be lowered against the action of the spring means.

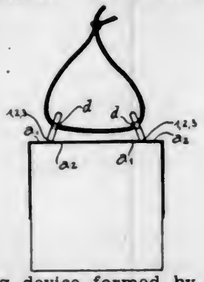
2,069,458
FLAT BED PRINTING MACHINE
Ian Theodore Nelson, Edinburgh, Scotland
Application November 22, 1934, Serial No. 754,354
In Great Britain November 6, 1934
1 Claim. (Cl. 101—386)

For a printing machine having a flat bed presenting undercut guideways, a plate-clamping device adapted to be interposed between a pair of spaced printing plates deposited on said bed transverse to said guideways, said plate-clamping device comprising a pair of plate-engaging clamps each formed with a depending cylindrical neck portion entering a guideway and of a diameter less than the width of said guideway, and diametrally opposed shoulders at the base of said neck portion, the extremities of said shoulders being spaced from one another a distance greater than the width of that part of the guideway en-



tered by said neck portion, said neck portions being formed with transverse apertures of circular cross-section, a strut spindle penetrating said apertures, said spindle provided with a fixed collar affording an abutment for one of said clamps, and a nut-forming member threaded on said spindle and affording an abutment for the other of said clamps.

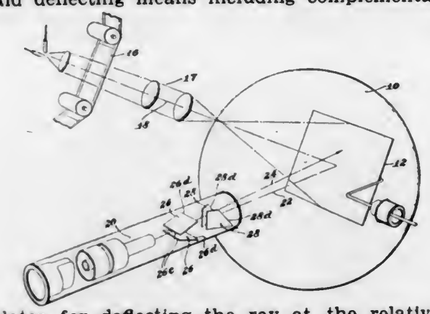
2,069,459
CARRYING DEVICE FORMED BY AN ADHESIVE STRIP
Carl Neubronner, Oberursel, near the Taunus, Germany
Application February 11, 1936, Serial No. 63,373
In Germany March 4, 1935
6 Claims. (Cl. 229—52)



1. A carrying device formed by an adhesive strip, in which the adhesive strip is folded in such a manner that a lug extending from the adhesive strip adapted for holding a carrying means is produced, the lug being folded at least once along one of its diagonals and the bent-off portion of the lug being folded by 180° from the plane of the lug so that at least one of the side edges of the lugs lies substantially in the plane of the adhesive strip.

2,069,460
CATHODE RAY TUBE
Gregory N. Ogloblinsky, deceased, late of Collingswood, N. J., by Vladimir K. Zworykin, administrator, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1933, Serial No. 691,671
5 Claims. (Cl. 250—27.5)

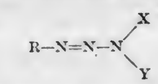
4. A cathode ray tube comprising a substantially flat screen and means for developing a scanning ray and directing the same at said screen, the axis of said ray-developing means being inclined at an angle to said screen whereby the part of the latter on one side of said axis is closer to said ray-developing means than the other part of said screen, and means for deflecting said ray simultaneously in different directions at relatively high and relatively low frequencies respectively to cause the ray to scan said screen over a substantially rectangular area, said deflecting means including complementary



plates for deflecting the ray at the relatively high frequency and disposed within the tube on opposite sides of said axis, the adjacent edges of said plates on opposite sides of said axis being inclined thereto.

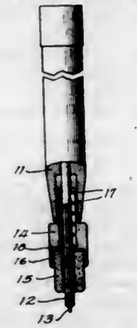
2,069,461
DIAZOAMINO COMPOUNDS AND PROCESS FOR THEIR PRODUCTION
Pierre Petitcolas, Rouen, France, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a corporation of France
No Drawing. Application April 13, 1936, Serial No. 74,196. In France April 20, 1935
8 Claims. (Cl. 260—69)

8. The diazoamino compounds of the general formula:



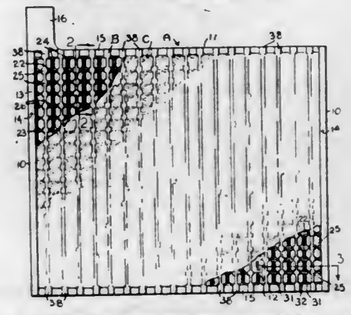
in which R represents the radical of a primary aromatic amine which does not contain a solubilizing group, and X and Y represent the radicle of another amine which is a member of the group consisting of primary and secondary amines of the benzene series containing a sulphamido group, and at least one carboxyl group.

2,069,462
PROJECTABLE ERASER
John H. Rouse, Los Angeles, Calif.
Application April 6, 1936, Serial No. 72,901
5 Claims. (Cl. 120—38)



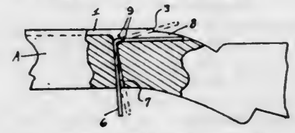
3. The combination with a mechanical pencil having a barrel and a lead retaining tube therein, of a hollow eraser holder slidable within said barrel and on said tube to the point end of said pencil, a collar on said tube, means for holding said holder normally away from said point end comprising a spring on said tube and within said molder compressible between the latter and said collar, and a tubular eraser supported within said holder.

2,069,463
STORAGE BATTERY GRID
Earl J. Rueb, Oklahoma City, Okla.
Application May 25, 1934, Serial No. 727,510
5 Claims. (Cl. 136—49)



1. In a grid for storage battery plates, an open frame, and two sets of substantially vertical rows of spaced-apart tongues bridging said open frame, one set of said rows containing tongues which project in one direction and the other set of said rows containing tongues which project in the opposite direction and are staggered with relation to the tongues of said first-named set of the rows, the majority of said tongues being wedge-shaped in vertical section and substantially isosceles trapezoidal-shaped in horizontal section.

2,069,464
BOW GUN
John Umling, Ellwood City, Pa.
Application October 19, 1935, Serial No. 45,822
1 Claim. (Cl. 273—107.5)

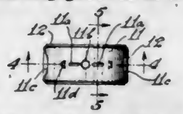


A bow gun of the class described including a body part having a string receiving shoulder at its rear end and a substantially vertically arranged opening adjacent said rear end, a substantially inverted L-shaped trigger member having one limb passing downwardly through the opening and the upper edge of said rear portion having a horizontal recess therein located below the shoulder for receiving the other limb of the L-shaped trigger member, a pin passing through the body and on which the curved part of the juncture of the two limbs rock and a second pin passing through the body and located slightly above said juncture.

2,069,465
SAFETY RAZOR
William G. Wallenbeck, Sandwich, Ill.
Application August 6, 1935, Serial No. 34,934
1 Claim. (Cl. 30—49)

In a safety razor, the combination of a base plate of metal bent longitudinally to the curvature of concave surfaces to be shaved and having central longitudinal ribs projecting from its concave surface and corresponding grooves in its convex surface, a flexible razor blade having a

central longitudinal slot through it shorter than the length of said blade and having enlarged openings at its end and mid portions, a clamping plate of metal bent longitudinally to substantially the curvature of the base plate and having central longitudinal ribs extending from its concave surface into the slot in said blade and in alignment with the grooves in said base plate, said clamping plate having grooves in its convex sur-

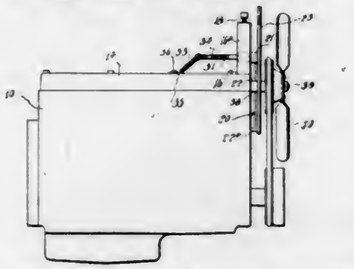


face opposite its said ribs and having also tongues formed from it at the ends of its said ribs and projecting through said end enlarged openings in the razor blade, said base plate having apertures at the outer ends of its said ribs to receive said tongues, said base plate having bent guard tongues extending from its longitudinal edges, a clamping stud extending through said plates and said blade, and a handle extending from said stud.

2,069,466
INTERNAL COMBUSTION ENGINE GOVERNOR

Edwin R. Wilson and George L. Wilson, Independence, Oreg.

Application December 5, 1935, Serial No. 53,044
1 Claim. (Cl. 264—12)



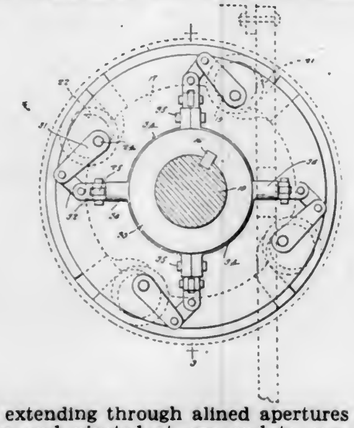
In combination with an internal combustion engine, its throttle valve, the cooling fan and operating shaft for the latter; a governor plate for the throttle valve, said governor plate being disposed between the front of the engine and said fan and having a slot through which said shaft passes, a bracket having a horizontal portion fastened to the engine, said bracket having an upwardly extending portion and an inwardly extending lug, a rod fastened transversely across the governor plate, a post extending through one end of said rod, said post having a conical end provided with a shoulder in contact with the rod, a set-screw carried by the lug engaging the other end of the post, said rod having a downwardly extending portion, a connection from said portion to the throttle, an arm extending inwardly from said rod above the horizontal portion of the bracket, and a contractive spring connected to the said arm and to the engine urging the parts to a position corresponding to the open position of the throttle valve.

2,069,467
FRICTION CLUTCH

Horatio Winget, Waterloo, Ill.

Refiled for abandoned application Serial No. 674,925, June 8, 1933. This application September 24, 1936, Serial No. 102,431
2 Claims. (Cl. 192—75)

1. In a clutch, a driving member and a driven member, said driving member including a pair of spaced apertured plates, a circular series of eccentric shafts journalled between said plates, shoes arranged between said shafts, eccentrics on said shafts and engaging the ends of the shoes for moving the shoes radially into and out of frictional engagement with the driven member, le-

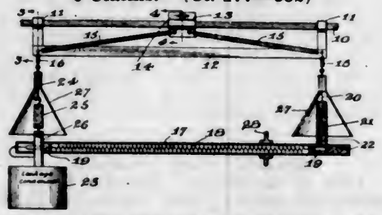


vers extending through alined apertures in said plates and pivoted at one end to one of said plates, means operatively connected with the free ends of the levers for rotating them upon their pivots, and motion transmitting means connecting said levers with the eccentric shafts for projecting and retracting said shoes.

2,069,468
SUSPENSION FOR LUMINESCENT TUBES

Jean Baptiste Joseph Marcel Abadie, Paris, France

Application January 8, 1936, Serial No. 58,194
In France March 17, 1931
6 Claims. (Cl. 177—352)



6. A device for suspending beacon lights from power cables comprising a frame, movable holding means on the cable adapted to hold said frame movably on said cable, fixed means including an elastic connection on the cable for yieldably restricting the extent of movement of said frame, and light holding means on said frame.

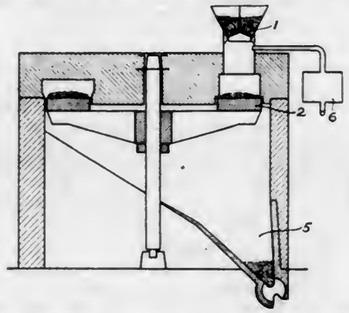
2,069,469
PROCESS FOR THE PRODUCTION OF METALS AND ALLOYS WITH VERY SMALL CONTENTS OF CARBON

Gustav Andersen, Copenhagen, Denmark

Application December 22, 1933, Serial No. 703,641
In Norway December 31, 1932
3 Claims. (Cl. 75—133)

1. A process for the production of metals and alloys with a very small content of carbon, by direct reduction of ore with silicon-containing reduction means on an over-heated metal bath with a very small content of carbon, the said method including the use of a charge consisting

of ore, limestone and silicon-containing reduction means, submitted, before being charged into the main metal bath, to a pre-treatment by heat-



ing it to 1000 to 1100° C. in a highly oxidizing flame whereby all the carbon is burnt away and the limestone is converted into burnt lime.

2,069,470
PROCESS OF FINISHING SURFACES IN SIMULATION OF NAPPED CLOTH

Guido Ariotti, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 1, 1933, Serial No. 673,929
1 Claim. (Cl. 91—68)

The herein described method of finishing large surfaces such as burial caskets, interior of automobile bodies and the like, which consists of applying thereto a coating of a viscous material consisting of the following ingredients:

	Percent
Polyhydric alcohol-polybasic acid resin	30.0
Pigment	18.0
Cobalt naphthenate	.1
Mineral spirits	11.9
Turpentine	20.0
Xylol	20.0

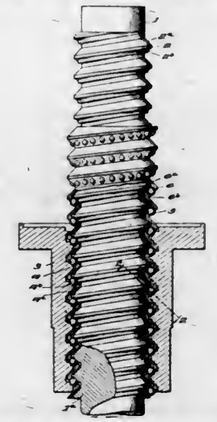
and before drying, blowing upon said viscous material a body of flock corresponding substantially to the color of the said viscous material, the rate of drying of the viscous material being sufficiently slow to allow time for the application of the flock but rapid enough to air-dry sufficiently to permit packing and shipping within from two to six hours.

2,069,471
ANTIFRICTION SCREW

Donald J. Baker, Pasadena, Calif.

Application June 19, 1936, Serial No. 86,188
10 Claims. (Cl. 74—459)

1. In combination, a screw and a cooperating nut, each provided with V-shaped threads, a bearing race formed on one face of the thread of said screw and spaced from the root thereof, a bearing race formed on an opposing face of the thread of said nut and spaced from the root of the thread, a plurality of rolling bearing elements arranged in said races, and a retainer located between said screw and nut for maintaining said bearing elements in spaced relation, said retainer comprising a tubular member formed of two helical walls arranged substantially at right angles to each other transversely thereof, one helical wall being arranged between one pair of opposing faces of the threads on the nut and screw and the other helical wall being arranged between the other pair of opposing faces of the threads on the nut and screw, said rolling bearing elements be-



ing retained in holes formed in one of said helical walls.

2,069,472
CONCENTRATION OF DILUTE SULPHURIC ACID CONTAINING AMYLOID

John Roy Dufford, Bristol, Pa., assignor to Paterson Parchment Paper Company, Bristol Township, Pa.

No Drawing. Application April 17, 1935, Serial No. 16,891
5 Claims. (Cl. 23—172)

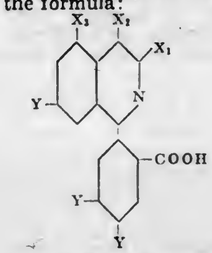
1. A process of treating a weak sulphuric acid solution containing carbonizable carbohydrate material derived from paper, in an uncarbonized condition, which comprises adding to said solution, without carbonization of said carbohydrate material, an oxidizing agent for said carbohydrate material to give a non-carbonizable material, and thereafter heating and concentrating said acid, whereby a concentrated acid is produced which does not contain black carbonization products of said carbohydrate material.

2,069,473
NITROGENOUS CONDENSATION PRODUCTS

Friedrich Ebel. Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

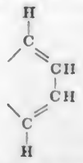
No Drawing. Application October 6, 1934, Serial No. 747,246. In Germany November 29, 1933
9 Claims. (Cl. 260—39)

6. Nitrogenous condensation products corresponding to the formula:

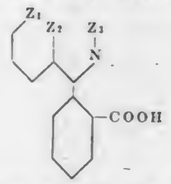


in which Y stands for a monovalent atom selected from the group consisting of hydrogen and chlorine and in which the positions X_1, X_2 and

X_3 are satisfied by a substituent selected from the group consisting of hydrogen, the grouping

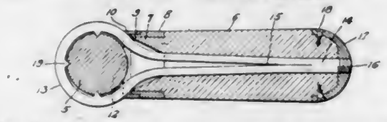


attached to the positions marked X_1 and X_2, X_3 being hydrogen, and the grouping



Z_1 being combined with X_1, Z_2 with X_2, and Z_3 with X_3.

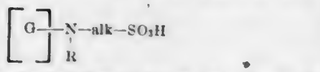
2,069,474
SCYTHE GRIP
August Erikson, Foster Center, R. I.
Application May 29, 1936, Serial No. 82,642
1 Claim. (Cl. 56—326.6)



A handle for a sickle snath comprising a handle structure provided with a longitudinal opening therethrough, a ferrule at one end of the handle provided with a reduced extension, a cap member slidably disposed over the reduced extension of the ferrule and provided with a diametrical slot therein, a snath encircling loop having a portion thereof disposed into the slot and provided with a shank for disposition through the longitudinal opening in the handle, securing means between the shank and the handle, said cap having its slotted side of arcuate shape to conform with the curvature of the snath, and rows of snath biting ribs on the slotted side of the cap.

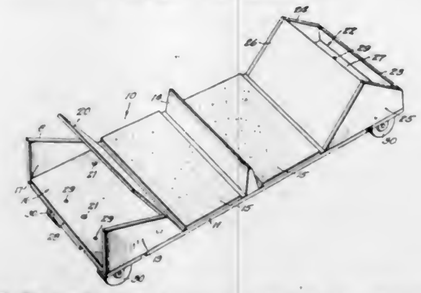
2,069,475
DYESTUFFS OF THE GALLOCYANINE SERIES
Eugen Huber, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 7, 1933, Serial No. 665,042. In Germany April 14, 1932
5 Claims. (Cl. 260—28)

1. Gallocyanine dyestuffs of the general formula:



wherein "G" stands for the radical of a dyestuff of the gallocyanine series, "R" stands for a member of the group consisting of hydrogen, alkyl, sulfoalkyl and a radical of the benzyl series, and "alk" stands for an alkylene group of at least two carbon atoms, being in form of their alkali metal salts generally dark powders, soluble in water, and yielding clear shades of good fastness properties.

2,069,476
KNEE SUPPORT ROLLER
John Keil, Maywood, Ill.
Application April 28, 1934, Serial No. 722,979
4 Claims. (Cl. 155—167)

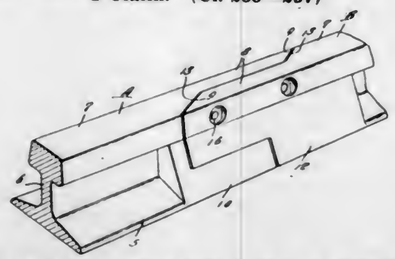


2. For use in cleaning, waxing or painting floors, a roller vehicle, said vehicle comprising an elongated chassis member, a dividing member on and extending across the center of said chassis member, cushioning means supported on said chassis member on each side of said dividing member, said cushioning means being adapted to receive and support a person in kneeling position thereon, operating material receiving means having inner opposing sides sloping upwardly away from each other located at each side of said chassis member, said chassis member being cut away at each corner thereof, and roller means secured to said operating material supporting means at said cut away corners of said chassis to support said chassis at a low position.

2,069,477
CHEWING GUM
George James Manson, Hawkesbury, Ontario, Canada
No Drawing. Application September 28, 1934, Serial No. 746,012
7 Claims. (Cl. 99—135)

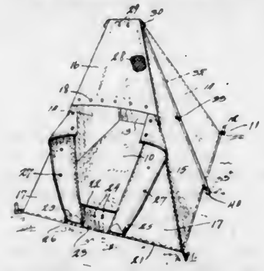
1. A chewing gum base made from a blend of polymerized vinyl acetate, sulphur and plasticizer.

2,069,478
RAIL JOINT
Andrew M. Petko, Altoona, Pa.
Application April 30, 1935, Serial No. 19,064
1 Claim. (Cl. 238—237)



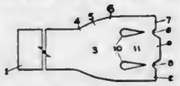
A rail joint comprising a pair of companion rail section ends, each of said rails consisting of a base, a vertical web and ball portion thereon, each of said rail ends being provided with a vertically transversely extending wall portion having its side edge inclined outwardly from the lower edge of the ball portion to the outer edge of the base to form a brace for the ball portion, each of said rail balls being provided with a reduced extension for interlapping relation when the rail ends are brought together and including a portion of the inclined wall portion, abutting base plates also including a portion of the inclined wall portion terminating short of the outer ends of the extensions for underlying and supporting the said outer end of the extension of an adjacent rail end, the vertical surface of the end of said extension and said wall portions being inclined laterally and abutting each other when the ends of the rails are united and bolts extending through the ball portions of said extension for securing the same together, the ends of said bolts being recessed inwardly of the surfaces of the said ball portions.

2,069,479
TENT
Jack L. Pluth, Los Angeles, Calif.
Application March 24, 1936, Serial No. 70,689
4 Claims. (Cl. 135—1)



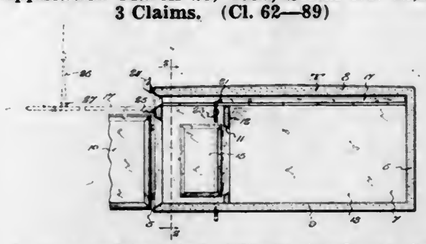
1. A tent including a rear section, triangular side sections stitched to the rear section, a front section extending downward from the upper end of the rear section and stitched thereto and to the forward edges of the side sections, the front section extending only partly down the side sections, front flaps stitched to the forward edges of the side sections and extending upward to a point beneath the lower margin of the front section and detachably engageable therewith, means for detachably engaging the abutting edges of the front flaps, the upper ends of the side sections each being provided with a downwardly opening ear to receive the upper ends of stretchers, the side sections having loops through which the stretchers may be passed.

2,069,480
BLANK FOR AND METHOD OF MAKING AXLE HOUSINGS
Ernest Riemenschneider and William Burt Smith, Lakewood, Ohio, assignors to Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 7, 1932, Serial No. 615,848
19 Claims. (Cl. 29—153.1)



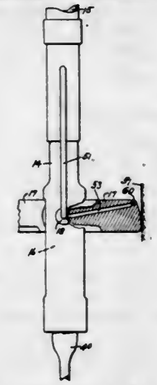
1. The method of forming axle housings consisting of providing a flat blank, forming the same into a tubular section having one end larger than the other and of substantially oval cross section, bifurcating said larger end along its minor diameter to divide it into a pair of channel-shaped arms, spreading said arms apart and bending them to arcuate shape, and uniting a pair of such similar sections in longitudinal alignment.

2,069,481
REFRIGERATED TRUCK
Richard A. Rott, Madison, Wis.
Application March 25, 1935, Serial No. 12,827
3 Claims. (Cl. 62—89)



2. In a refrigerated delivery truck, an insulated truck body, a transverse partition arranged in said truck body defining a main insulated compartment and an auxiliary insulated compartment, the transverse partition terminating slightly short of the top wall of the body, supporting tracks carried by the body extending into both compartments over the transverse partition, and a cooling unit slidably mounted on the tracks, whereby said unit can be moved wholly within the main compartment or over the partition into both compartments.

2,069,482
WELL REAMER
James I. Seay, Memphis, Tenn.
Application April 18, 1935, Serial No. 16,978
8 Claims. (Cl. 255—76)

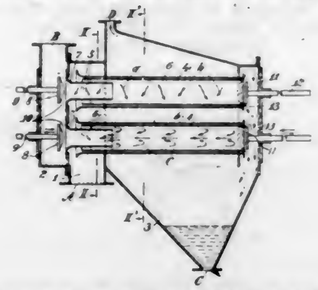


1. In a well boring tool having expandible reamer blades, means for accomplishing lateral flow of liquid from the peripherally outer ends of said blades.

2,069,483
DUST SEPARATOR
Torleiv Skajaa, Kristiansands, Norway, assignor to Det norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway
Application September 18, 1935, Serial No. 41,061
5 Claims. (Cl. 183—39)

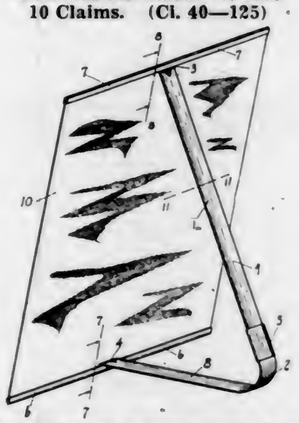
1. Apparatus for the separation of dust from gases, comprising a cylindrical separating element, means at the inlet thereof for giving the dust laden gas a whirling helical movement, a cylindrical outlet element for purified gas extending axially into the separating element having its intake end terminating beyond the said means and its exhaust end terminating outside of and beyond the inlet of the separating element, means posi-

tioned at the exhaust end of the outlet element and means at the exhaust end of the separating



element cooperating with said last named means to prevent a reverse flow of gas through the outlet element during operation of the separator.

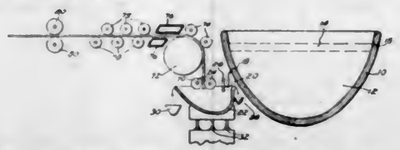
2,069,484
STAND FOR DISPLAY DEVICES
William Stuebing, Jr., Cincinnati, Ohio
Application February 14, 1933, Serial No. 656,707
Renewed November 13, 1935
10 Claims. (Cl. 40—125)



9. As an article of manufacture, a supporting stand for a flexible display sheet of known dimensions comprising a tempered metallic ribbon having a concavo-convex cross-section and of a length greater than the distance between two opposite edges of said sheet, means for attaching the ends of said ribbon to said opposite edges of said sheet, and a sleeve slidable upon said ribbon for maintaining a bend in said ribbon at any desired portion of the length thereof.

2,069,485
METALLURGY
Donald H. Sweet, Evanston, Ill., assignor to Hazelett Metals, Inc., New York, N. Y., a corporation of Delaware
Application September 17, 1932, Serial No. 633,591
14 Claims. (Cl. 29—33)

1. The formation of a steel shape from molten metal by picking up a film or layer of metal on a relatively cold surface moving through a molten bath, stripping the congealed film from the cold surface, cooling the moving shape by a first cooling instrumentality to a predetermined temperature above the critical point, chilling or quenching the shape to a predetermined temperature well below the critical point by a second cooling instrumentality, and controlling the draw of the cooler portions of said shape by a third cooling instrumentality.



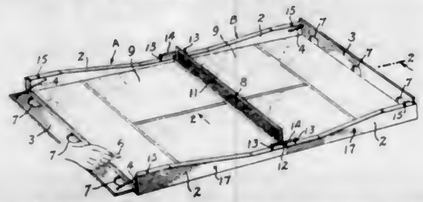
5. In combination, a relatively large reservoir for containing molten metal, a tap for discharging metal from the reservoir at an approximately constant rate, a receptacle receiving the stream from said tap, baffle means subdividing the surface of the bath proper formed in said receptacle into a receiving area and a delivery area, overflow means for both areas, forming rolls partially immersed in the delivery area and withdrawing metal therefrom, said tap discharging material at a rate sufficiently in excess of the withdrawal by said rolls to maintain a molten discharge from both overflow means, and means for varying the relative elevations of said rolls and said receptacle.

2,069,486
PREVENTION OF EFFLORESCENCE ON SILICATE FILMS
Paul S. Tilden, New York, N. Y.
No Drawing. Application June 16, 1934, Serial No. 730,915
5 Claims. (Cl. 91—68)

1. A coating composition comprising a soluble silicate and an efflorescence inhibiting substance selected from the group consisting of formaldehyde, acetaldehyde, furfuraldehyde, acetamide, formamide and formin in amount sufficient to produce when dry a film capable of substantially permanently retaining its surface characteristics and resist efflorescence.

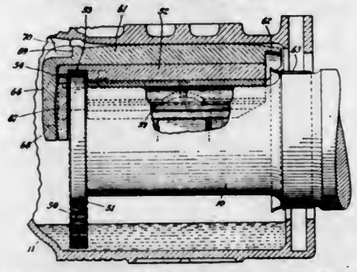
5. An article of manufacture comprising a base and a hardened film thereon comprising a soluble silicate and an efflorescence inhibiting substance selected from the group consisting of formaldehyde, acetaldehyde, furfuraldehyde, acetamide, formamide, and formin in amount sufficient to produce when dry a film capable of substantially permanently retaining its surface characteristics and resist efflorescence.

2,069,487
GAME BOARD AND TABLE
Charles K. Van Riper, Carmel, Calif.
Application March 9, 1935, Serial No. 10,186
5 Claims. (Cl. 273—85)



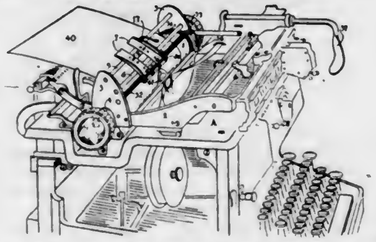
1. A game board comprising, in combination, a base, side walls secured thereto, end walls hinged thereto, and means yieldingly to hold said end walls in upright position; said base and walls being constructed in sections adapted to be detachably connected in extended position for use and to be detachably connected in superimposed position when not in use.

2,069,488
JOURNAL BOX
William Blackmore, Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application July 2, 1932, Serial No. 620,682
5 Claims. (Cl. 308—85)



1. In a structure of the class described a journal box, a journal extending into said box and having a collar at its end, an oil conveying chain carried by said collar, a bearing member between said box and journal, and means on said member comprising surfaces forming a passage constricted toward the top of said journal for retaining said chain in position on said collar and for distributing oil conveyed by said chain to the bearing surface of said journal, certain of said surfaces converging toward the sides of the chain near the top of the journal.

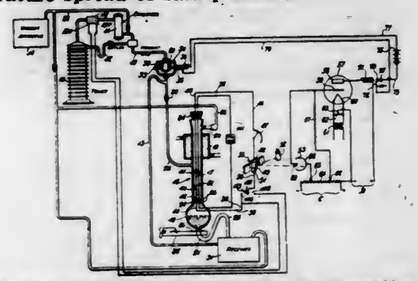
2,069,489
BILLING MACHINE
William A. Eagan, Glen Rock, N. J.
Application July 26, 1930, Serial No. 470,895
6 Claims. (Cl. 197—128)



1. In a typewriting machine, the combination with a main carriage having a rotatable platen and means for imparting a step-by-step rotary motion to said platen, of an auxiliary carriage mounted for reciprocatory movement above said platen and from end to end thereof, releasable means automatically operative to retain said auxiliary carriage at predetermined points in the length of the platen, means instantaneously operable to release said retaining means thereby to permit ready shifting of the auxiliary carriage with relation to the platen, paper feed rollers mounted for rotation in said auxiliary carriage, and gearing between said platen and said feed rollers for rotating the latter simultaneously with and proportionately to the rotation of the platen.

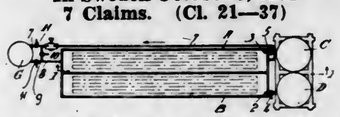
2,069,490
DISTILLATION CONTROL
Merrell R. Fenske, State College, Pa., assignor to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania
Application September 13, 1933, Serial No. 689,331
12 Claims. (Cl. 196—132)

3. A method comprising fractionating a liquid mixture under conditions in which the temperature spread between the initial and end points of a product of said fractionation is subject to variation through a control of said fractionation, subjecting vapors of said product to further fractionating conditions, measuring phase composition differential effected by said last mentioned fractionation, and controlling said first mentioned fractionation in accordance with increase or decrease in said phase composition differential so as to maintain substantially constant the temperature spread of said product.



4. In combination, means for fractionating a liquid mixture, means for varying the temperature spread between the initial and end points of a product of said fractionation, means for subjecting vapors of said product to further fractionating conditions, means responsive to change in phase composition differential between a pair of spaced points having at least a part of said last mentioned fractionating conditions therebetween, and means for connecting said last mentioned means to said second mentioned means to control said second mentioned means in accordance with increase or decrease in said phase composition differential so as to maintain substantially constant the temperature spread of said product.

2,069,491
METHOD FOR IMPREGNATING WOOD AND OTHER MATERIALS
Bror Olof Häger, Stockholm, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a limited joint-stock company of Sweden
Application March 18, 1935, Serial No. 11,541
In Sweden October 8, 1934
7 Claims. (Cl. 21—37)

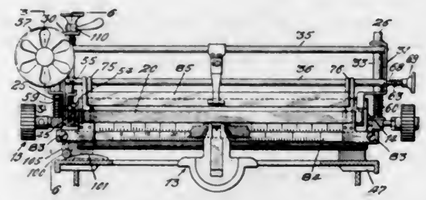


1. A method of impregnating wood with solutions of metallic salts which comprises heating the wood to a sufficient temperature to expel gas therefrom, decreasing the temperature of the wood while in contact with a metallic salt solution thereby sucking solution into the wood, interrupting the sucking action while the wood has capacity to absorb more solution by separating the wood and solution, and contacting the wood with a second solution of a metallic salt which is capable of reacting with the first-mentioned salt, said second solution being at a lower temperature than the first solution, thereby enabling the sucking action to continue.

2,069,492
MULTICOPY ATTACHMENT FOR TYPEWRITERS
Beulah Louise Henry, New York, N. Y.
Application August 11, 1932, Serial No. 628,281
12 Claims. (Cl. 197—153)

1. A typewriter attachment for use in making

a plurality of duplicate ribbon copies comprising a frame attachable as a unit to a platen carrying typewriter carriage, a pair of ribbon spools rotatably mounted on said frame, ribbon guides carried by said frame to which the ribbon may be led from one spool and from which it may be



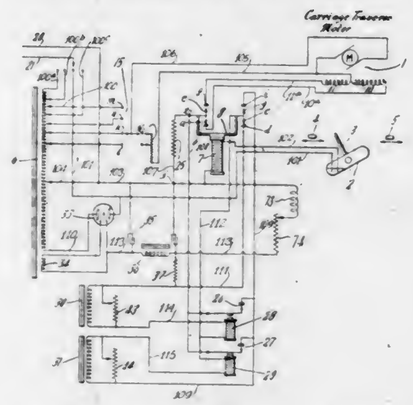
led to the other spool, said guides being positioned to support the ribbon in operative position in a plurality of runs parallel to the platen of the typewriter carriage, and spreader means mounted on the carriage operable temporarily to separate the parallel runs of the ribbon to facilitate the introduction of fresh paper.

2,069,493

CARRIAGE TRAVERSING MECHANISM

Wilfred H. Howe, Winchester, Mass., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application May 16, 1933, Serial No. 671,362
9 Claims. (Cl. 172—240)



1. A traversing carriage actuating mechanism comprising a reversible electric carriage-driving motor, means for reversing said motor at each end of the carriage traverse, means for automatically reducing the supply of energy to said motor at each reversal for a predetermined period, and means for independently adjusting the length of said period at opposite ends of the carriage traverse.

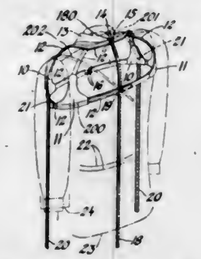
2,069,494

MEASURING DEVICE

George Hurst, Detroit, Mich.

Application June 8, 1936, Serial No. 84,093
2 Claims. (Cl. 33—2)

1. In a vest-like measuring unit for taking measurements for coats and the like, two pairs of armhole sections secured together and into a vest-like unit by elastic bands, means for positioning said unit on a subject whereby a nape of the neck working point is automatically established in relation to the subject's shirt collar,



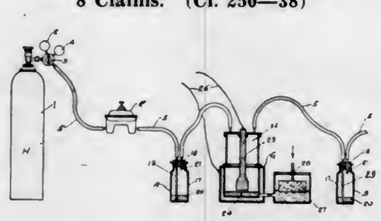
working points established on the front section of each pair of armhole sections at the arm scye depth, and measuring tapes secured to said unit at said working points.

2,069,495

HYDROGEN REGULATOR FOR CONVERTER SPARK GAPS

Theodore R. Kennedy, Morrisville, Pa., assignor to Electrothermic Corporation, Ajax Park, Ewing Township, N. J., a corporation of New Jersey

Application January 2, 1936, Serial No. 57,189
8 Claims. (Cl. 250—38)



1. In a converter spark gap system a gap chamber having inlet and outlet vents, a mercury bubbler connected to the inlet side of the gap chamber adapted to receive hydrogen from a supply tank and to pass same through a head of mercury into the gap chamber, a mercury bubbler connected to the outlet side of the gap chamber adapted to receive hydrogen from the gap chamber and to pass it through a head of mercury greater than on the inlet bubbler, a pressure regulator between the hydrogen supply line and the inlet bubbler adjusted to pass automatically substantially large quantities of hydrogen at pressures greater than the head of mercury in said inlet bubbler and less than the head of mercury in said outlet bubbler to maintain automatically a substantially constant pressure in said gap chamber during use.

2,069,496

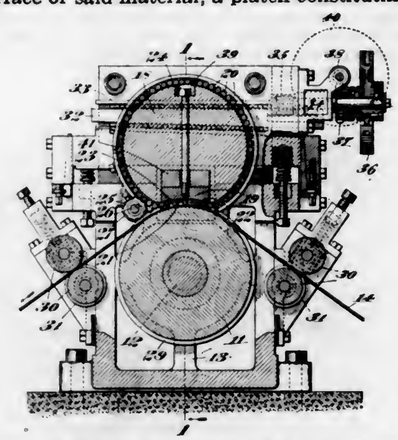
ROLLING MILL

Harry A. Kessler, Buffalo, N. Y., assignor to Kalman Steel Corporation, a corporation of Delaware

Application April 15, 1933, Serial No. 666,253
9 Claims. (Cl. 80—40)

1. In a machine for reducing the thickness of strip material, the combination of a plurality of bearing members, a roll rotatably supported between said bearing members, the cylindrical surface of said roll contacting with a surface of said

material, a plurality of rollers acting on another surface of said material, a platen constituting an



abutment for said rollers, and means for fixing said platen in relation to said bearings.

2,069,497

PACKING MEANS

Morris Koppelman, Brooklyn, N. Y.

Application April 21, 1933, Serial No. 667,137
16 Claims. (Cl. 217—26.5)



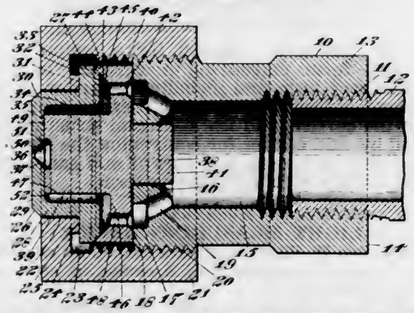
1. A flat for supporting eggs or other fragile articles comprising a sheet of relatively yieldable pulp material having upstanding spaced walls defining rows, hinge means connecting said rows, said walls having depressed portions defining pockets for individual articles in said rows, said walls being movable relative to one another for altering the size of the pockets, and means integral with and protruding from said hinges for supporting the walls in upstanding spaced condition, said means being positioned for resisting movement of said walls.

2,069,498

OIL BURNER TIP

Walter B. Lang, Steelton, and John C. Wohlfarth, Harrisburg, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania

Application May 25, 1935, Serial No. 23,348
5 Claims. (Cl. 299—120)



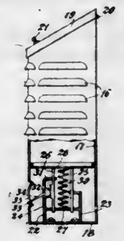
1. A liquid fuel nozzle comprising a body with an exit, a nebulizer having a flanged portion overlying said body and having a passage communicating with said exit, and a forward hub-like portion having a recess communicating with said passage by means of tangential grooves, a tip overlying said forward portion and having a discharge port in communication with said recess, and means for uniting the recited parts.

2,069,499

AUTOMATIC CLOTHES WEIGHING HAMPER

Jack Marin, Brooklyn, and Charles Levy, New York, N. Y.

Application March 21, 1936, Serial No. 70,034
3 Claims. (Cl. 265—27)



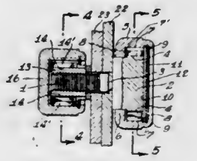
1. A clothes weighing hamper comprising an upright ventilated casing open at its upper end and adapted to receive articles directly therein, a weighing mechanism fixed in its lower end, said mechanism including a pan of slightly less area than the cross sectional area of said casing on which the entered articles directly rest, and a visible scale fixed on said casing having a pointer actuated by said mechanism.

2,069,500

THEFT PREVENTING BOLT

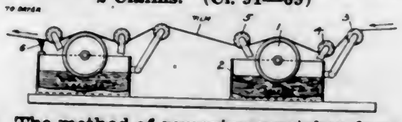
Francis J. McGarry, Detroit, Mich.

Application February 8, 1933, Serial No. 655,789
3 Claims. (Cl. 40—125)



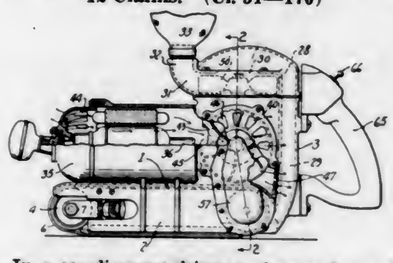
3. A device of the class described comprising a license plate fastener having a headed bolt and nut, said head and nut being adapted to clamp a license plate therebetween, operating members for the head and nut, each operating member including a ratchet which holds when the member is turned in tightening direction and slips in the opposite direction, whereby the said fastening device may be turned in either direction as a whole after being tightened by operating only the one of said operating members which holds when turned in the direction in which it is desired to turn said device, the operating member for said nut comprising a cap completely enclosing an end portion of the bolt, the operating member for said head comprising a sleeve and provided with a recess at the outer end thereof, and a disc in said recess bearing indicia having identifying significance with respect to the license plate.

2,069,501
METHOD FOR REMOVING SCRATCHES FROM CELLULOID MOTION PICTURE NEGATIVE AND POSITIVE FILMS
Arthur J. Miller, Tenafly, N. J., assignor to Cinema Patents Company, Inc., New York, N. Y., a corporation of New York
Application January 5, 1934, Serial No. 705,345
2 Claims. (Cl. 91—69)



1. The method of removing scratches from the celluloid surface of a photographic film, which comprises the steps of, applying a solvent for said film to said surface to soften the same, thereafter applying a lacquer to said surface before said surface has hardened and then drying said film.

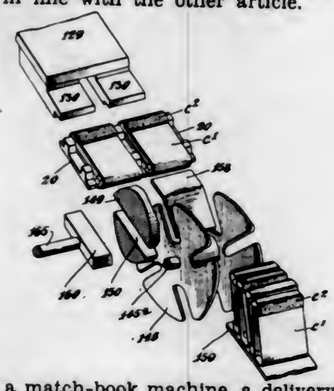
2,069,502
SANDERPLANE
Harry L. Myers, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application April 21, 1936, Serial No. 75,562
12 Claims. (Cl. 51—170)



7. In a sanding machine, a chassis frame having a housing at one end and an electric motor at its other end, spaced rollers carried by said chassis frame, a sanding belt mounted on said rollers, an electric motor mounted on the chassis in advance of said housing, said motor having a casing with air inlet openings therein, said frame housing having an upright fan chamber in communication with the interior of the motor casing and with outlet openings, and also having at its top a second fan chamber which is horizontally disposed, a dust passage leading from adjacent to one end of said belt to said second chamber, and an outlet from said second chamber, a horizontal shaft projecting through said first chamber, a fan mounted thereon within such chamber, a vertically disposed shaft projecting into said second chamber, a fan mounted on said latter shaft within said second chamber, means for driving said shafts from said motor, means for driving said belt from said first shaft, said frame housing forming a passage lengthwise of the chassis frame and communicating at its forward end with the interior of the motor casing and at its rear end with said dust passage.

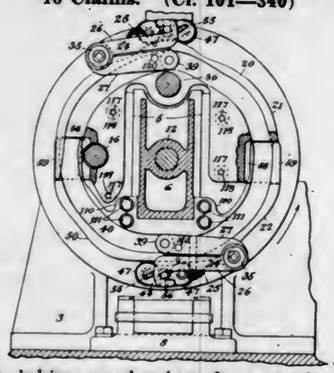
2,069,503
METHOD OF AND MEANS FOR ASSEMBLING ARTICLES
Joseph Peyser, Mount Vernon, N. Y.
Original application March 15, 1935, Serial No. 11,269. Divided and this application November 5, 1935, Serial No. 48,281
6 Claims. (Cl. 226—4)

1. The method of feeding a plurality of articles with opposite ends of alternate articles extending in a given direction, which consists in: delivering two such articles side by side with the same ends extending in the same direction, and then reversing the position of one of said articles and bringing it in line with the other article.



6. In a match-book machine, a delivery member; a reversing member alongside of the delivery member; means to simultaneously deliver two match-books side by side from said machine, one to the delivery member and the other to the reversing member; means to reverse the position of the reversing member; and a transfer device to deliver the reversed match-book from the reversing member to the delivery member.

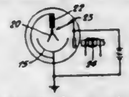
2,069,504
INKING MECHANISM
Albert F. Pityo, Clifton, N. J., assignor to Tri State Cap & Cap Machinery Co., Inc., Newark, N. J., a corporation of New Jersey
Application December 4, 1935, Serial No. 52,746
16 Claims. (Cl. 101—340)



1. An inking mechanism for a reciprocating printing form embodying a carriage movable around said form and including a carrier on the carriage, a form inking roller thereon connected with the carrier, and two part cam structure engaged by said carrier for controlling the carriage and roller movement, one part of said cam structure movable with the printing form.

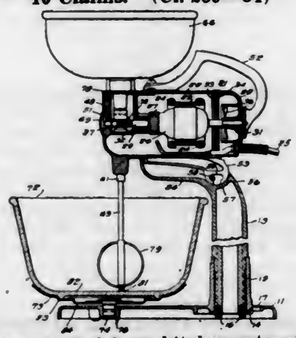
2,069,505
LIGHT MEASURING DEVICE
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1933, Serial No. 687,562
6 Claims. (Cl. 250—27.5)

1. A light responsive device comprising an electron emissive cathode including within an evacuated container, an anode insulated from said cathode and including means for measuring an electric charge, means mounted within said



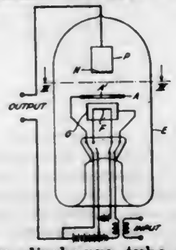
container for transmitting at will an electric charge to said measuring means, and means external to said container for controlling the operation of said charge connecting means.

2,069,506
MOTOR-DRIVEN KITCHEN UTENSIL
Hugh G. Ross, Ottawa, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 12, 1933, Serial No. 665,720
10 Claims. (Cl. 259—84)



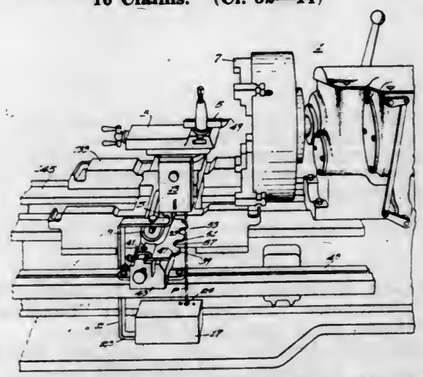
1. In a motor-driven kitchen utensil, a base, a vertically-extending standard thereon, a motor on the standard, a beater depending from and driven by the motor, a container for material to be mixed or beaten receiving the beater, an arm secured to the standard for turning the same through a predetermined angular distance and means on the base cooperating with the arm to lock the same in adjusted position.

2,069,507
ELECTRON DISCHARGE TUBE
Noël Meyer Rust, Chelmsford, and George Fairburn Brett, Leeds, England, assignors to Radio Corporation of America, a corporation of Delaware
Application June 29, 1933, Serial No. 678,128
In Great Britain July 4, 1932
5 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising an evacuated vessel, a cathode disposed in a plane at right angles to the vertical axis of said vessel, a ring-shaped control electrode surrounding said cathode, a perforated disc-shaped electrode parallelly arranged with respect to the cathode and closely positioned with respect to the control electrode, and a tubular anode electrode positioned on that side of the perforated electrode remote from the cathode, said anode having an opening only at the end nearest the cathode, and a screen mesh material enclosing said open end.

2,069,508
AUTOMATIC CONTROL FOR MACHINE TOOLS
Oren G. Rutemiller, Wilkinsburg, and Thomas H. Long, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 1, 1933, Serial No. 659,120
16 Claims. (Cl. 82—14)

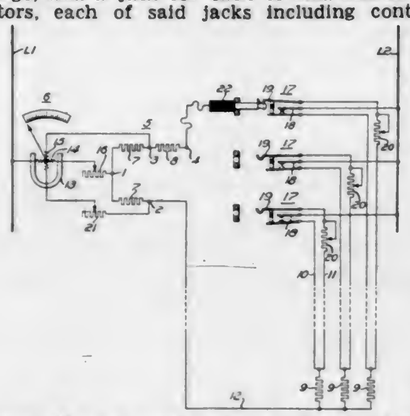


1. In a control system for a machine of the type described, including means for supporting a work piece and means for supporting a cutting tool to engage said work piece to shape it; a templet corresponding to the desired configuration of said work piece and means for projecting a beam of radiant energy on said templet, said radiant energy projecting means comprising a source of radiant energy, a housing, an aperture therein, means for interrupting the radiant energy emitted from said aperture, means responsive to said radiant energy and means for varying the position of both said means responsive to the radiant energy and the source of radiant energy and said aperture to cooperate with said templet to control the position of the cutting edge of said tool.

2,069,509
TEMPERATURE INDICATING SYSTEM
Fernald S. Stickney, Verona, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1935, Serial No. 34,014
3 Claims. (Cl. 73—32)

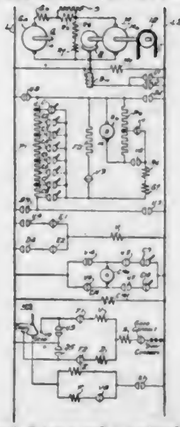
1. In temperature indicating apparatus, a source of electric power, an electrical indicating instrument, energizing means for said instrument including a Wheatstone bridge circuit having a first terminal connected to said source, second and third terminals connected to said instrument, and a fourth terminal, a plurality of search resistors at different locations, conductors for said search resistors including a series conductor and a compensating conductor connected to a common terminal of each of said search resistors, and conducting means connect-

ing the remaining terminal of each of said search resistors to said second terminal of said bridge, a plug connected to said fourth terminal of said bridge, and a jack for each of said search resistors, each of said jacks including contact



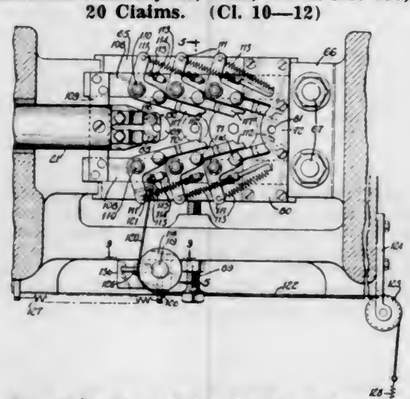
means effective upon insertion of said plug to connect said fourth terminal of said bridge to the corresponding compensating conductor and thereafter connect the corresponding series conductor to said source.

2,069,510
CONTROL SYSTEM
Kenneth M. White, Tenafly, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application August 31, 1935, Serial No. 38,771
15 Claims. (Cl. 172—239)



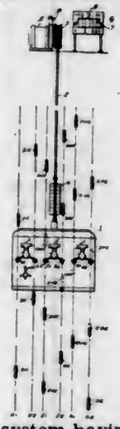
2. In a Ward-Leonard control system, in combination, a first dynamo-electric device operatively connected to a load, a second dynamo-electric device electrically connected to said first device, a main field winding for said second device, a third dynamo-electric device for controlling the current flowing through said main field winding, said third device being provided with series and shunt field windings disposed respectively to be responsive to the current flowing between and the voltage across said first and second devices, and means responsive to changes caused in said main field winding in response to changes in current flow through said series and shunt field windings for effecting a further control of the functioning of said third device.

2,069,511
UPSETTING MECHANISM
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application January 26, 1932, Serial No. 588,859
20 Claims. (Cl. 10—12)



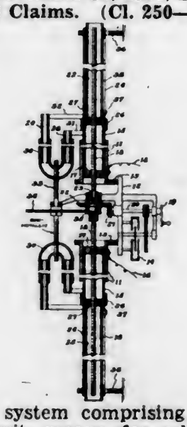
1. In mechanism of the character described, a plurality of dies, a plurality of punches cooperating therewith, one or more punch holders for the punches, a cam plate on each punch holder, and transfer means, having fingers as a part thereof, for carrying the blank successively to the dies and having an element thereon in the path of movement of the cam plate, whereby the fingers are moved to their non-gripping positions.

2,069,512
ELEVATOR CONTROL SYSTEM
Harold W. Williams, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application January 19, 1935, Serial No. 2,531
20 Claims. (Cl. 177—336)



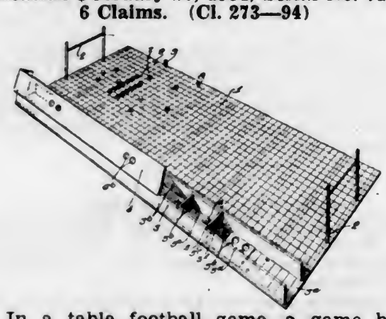
1. In an elevator system having a car operable past a plurality of floors, in combination, a hall lantern for each floor, means for registering a call at each floor, a floor selector including a segment individual to each hall lantern for effecting the energization of said hall lanterns when the corresponding segments are energized; means for operating said floor selector in steps, each step being initiated at a predetermined point in the travel of said car; and means for effecting the energization of the segment individual to the hall lantern located at a floor where a call is registered when said car is more than one floor distant from said floor where the call is registered.

2,069,513
RADIO TRANSMITTING AND RECEIVING SYSTEM
Irving Wolff, Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 30, 1934, Serial No. 755,286
8 Claims. (Cl. 250—33)



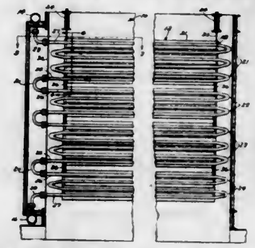
1. A radio system comprising an antenna, a resonant circuit, means for adjusting the dimensions of said antenna so that its effective length is substantially equal to an odd multiple greater than one of half wave lengths of the energy to be impressed thereon, means for reversing the phase between adjadcent oppositely phased half wave antenna sections, means for adjustably tuning said resonant circuit, and a uni-control device operably connected to said antenna adjusting means, to said phase reversing means and to said tuning means for maintaining suitable coordination of the respective adjustments thereof.

2,069,514
TABLE FOOTBALL GAME
William M. Wylie, Ocean Beach, Calif.
Application February 26, 1934, Serial No. 712,906
6 Claims. (Cl. 273—94)



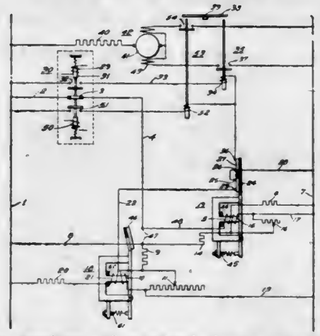
1. In a table football game, a game board marked to simulate a football field, a plurality of game members equal in number to and representative of football players, said game board being divided into squares representing unit areas, said game members adapted to be moved about said game board in a manner suggestive of the game of checkers, a single rolling alley along one side of said game board, a receiving means adapted to be variously positioned in said rolling alley intermediate its ends, and a ball member adapted to be directed down the rolling alley into said receiving means.

2,069,515
ECONOMIZER
Wilbur H. Armacost, New York, and John H. Sengstaken, Plandome, N. Y., assignors to The Superheater Company, New York, N. Y.
Application July 5, 1935, Serial No. 29,926
14 Claims. (Cl. 257—230)



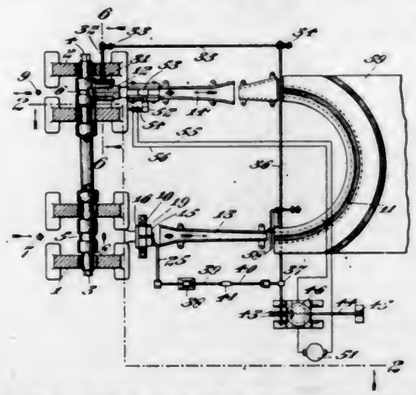
1. In heat transfer apparatus having a plurality of fluid circulating tubes disposed one above the other; suspension means on the upper and lower surfaces of each tube and extending longitudinally thereof for the greater portion of its length; means securing the suspension means on the upper surface of each tube at a plurality of points with the suspension means on the lower surface of the tube thereabove; and means supporting the uppermost tube, whereby each tube below the uppermost one is suspended from the tube above and supported by the uppermost tube.

2,069,516
ELECTRICAL CONTROL SYSTEM
Rest R. Baker, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1935, Serial No. 19,240
2 Claims. (Cl. 172—239)



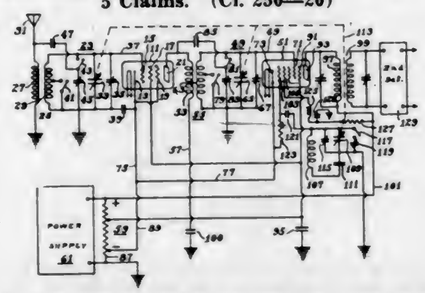
1. In a system of control for a motor controlling the operation of a machine element having the habit of departing from a desired mode of operation, in combination, a motor, a source of energy, switching means adapted to connect the motor to the source of energy, electromagnetic inductive time limit relays adapted to energize the switching means for a predetermined interval of time and adapted to deenergize the switching means for a predetermined interval of time, and means responsive to a machine element having the habit of departing from a desired mode of operation adapted to cause the alternate operation of said last named means by a number of alternations determined by the departure of the machine element from the desired mode of operation.

2,069,517
GUIDE TWISTER
William H. Catterall and William J. Barry, Lebanon, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 29, 1933, Serial No. 682,782
16 Claims. (Cl. 80—53)



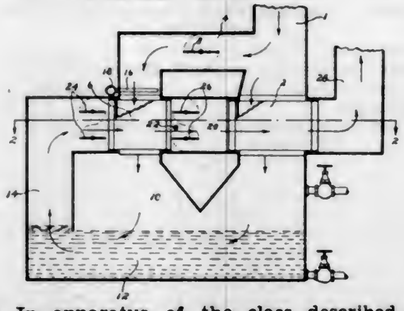
1. In a rolling mill the combination with two roll passes, of a straight grooved guide rotatably mounted at the delivery side of the first pass and positioned to impart twist to the piece being rolled as it emerges from said pass, a separable guide located at the entry side of the second pass, and actuating means operatively connecting said guides for simultaneously closing said separable guide and turning said straight grooved guide to an untwisting position so as to relieve its twisting effect on the piece when in engagement with both guides.

2,069,518
RADIO RECEIVER
Kenneth A. Chittick, Haddonfield, and William H. Conron, Riverton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 30, 1933, Serial No. 691,590
5 Claims. (Cl. 250—20)



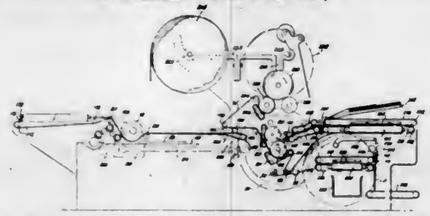
1. The method of adjusting the tunable circuits of a radio receiver for simultaneous tuning adjustment by a tuning control means common to said circuits, one of said circuits including an inductance coil wound in at least four sections, said method including the steps of short-circuiting two of said sections and adjusting the inductive relation between the remaining two sections until they have a combined predetermined inductance value, and removing said short-circuit and adjusting the inductive relation between said two remaining coil sections until all the sections of said coil have a second combined predetermined value.

2,069,519
AIR PREHEATER
Emil Creutz, Forest Hills, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application April 20, 1935, Serial No. 17,453
5 Claims. (Cl. 257—245)



1. In apparatus of the class described the combination of a main and a separate auxiliary preheater each of the type through which hot gases may flow in heat transfer relations but out of contact with cool gases to heat the latter, means to cause hot gases to flow in part through the main and in part through the auxiliary heater, and means to cause cool gas, which is to be heated, to flow first through the auxiliary and then through the main preheater, the size of the auxiliary preheater being such as to heat the cool gas sufficiently so it will not cool any part of the main preheater to the dew point of the hot gases.

2,069,520
PRINTING PRESS
Paul F. Cox, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application July 2, 1932, Serial No. 620,580
27 Claims. (Cl. 270—22)

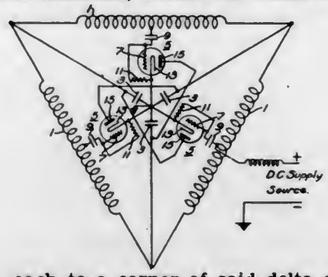


1. In a web fed printing press, a web feeding cylinder and a web cutting cylinder, said cylinders being of equal diameter and mounted on a single shaft, and means for directing two web reaches to said cylinders whereby one reach is forwarded and the other reach is cut into sheets.

2,069,521
POLYPHASE OSCILLATOR
Robert L. Davis, Grand Rapids, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1935, Serial No. 26,791
4 Claims. (Cl. 250—36)

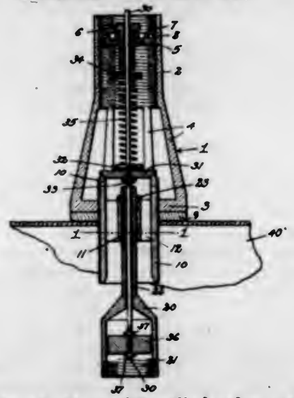
1. A polyphase oscillator comprising a plurality of electron discharge devices each having a cathode, control electrode and anode, a plurality of similar impedances of one type connected in delta, a plurality of impedances of another type connected in star and arranged to interconnect the corners of said delta connection, and means for electrically connecting said control electrodes,

each to a mid-point of the impedance in one of said delta branches, means for connecting said



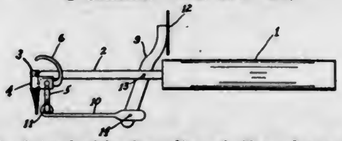
anodes, each to a corner of said delta arrangement, and means for connecting said cathodes in circuit with said anodes and control electrodes.

2,069,522
RELIEF VALVE
Algernon F. Flournoy, Monroe, La.
Application December 22, 1932, Serial No. 648,478
6 Claims. (Cl. 137—53)



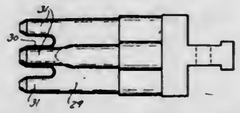
1. A pressure responsive relief valve comprising a main body member adapted to be mounted on a pressure shell, a throat portion providing a valve seat opening at one end, a valve adapted to close said valve seat opening, means for urging said valve to closed position, an auxiliary lifting means including a tubular housing designed to go into a pressure shell and communicate with boiler pressure and being provided with a reduced neck portion extending into the said throat and terminating at a point immediately adjacent the pressure face of the said valve, a rod mounted in the said reduced portion of the housing and a piston mounted on the rod within the housing below the said reduced portion.

2,069,523
DETACHABLE HANDLE
Henry Gilbert, Mansfield, Ohio
Application July 29, 1936, Serial No. 93,227
4 Claims. (Cl. 294—31)



1. A detachable handle of the character described comprising in combination a handle, a shaft extending forwardly therefrom, an arcuate brace rigidly secured to the forward end of said shaft, ears secured to and extending horizontally and rearwardly from either end of said brace, a horizontal rod, having a dropped center, rotatably mounted between said ears, a plurality of fingers secured to said rod and means operable to engage said fingers with the rim of a receptacle.

2,069,524
DIE FOR CONNECTING PIPES
Charles W. Gordon and Thomas F. Birmingham, Hammond, Ind., assignors to The Superheater Company, New York, N. Y.
Original application August 8, 1932, Serial No. 627,874. Divided and this application January 6, 1934, Serial No. 705,509. In Canada July 27, 1933
2 Claims. (Cl. 78—60)



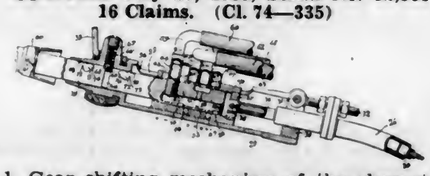
1. In the art of joining pipes together, a set of dies comprising a female member and a male member, the female member comprising two identical halves, each half having two parallel spaced semi-cylindrical grooves and a third groove between and parallel to them, the third groove having a semi-cylindrical bottom and substantially parallel flat sides, the depth of the third groove being substantially equal to half the distance between the outer edges of the first two grooves, the middle groove being separated from the other two grooves by walls extending inwardly from one end of the half die to a point spaced from the other end, the two halves when placed in operative position presenting two cylindrical parallel bores and a flat transverse space between them and separated from them by walls extending inwardly from one end and terminating short of the other end, the male member being generally complementary to the assembled female member but smaller so that when inserted it is everywhere spaced from it by an amount substantially equal to the wall thickness of the pipes to be operated on.

2,069,525
ENDLESS LOOP
Thomas Gore, Brooklyn, N. Y.
Application July 11, 1936, Serial No. 90,067
1 Claim. (Cl. 140—111)



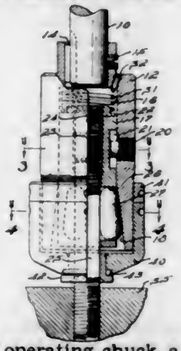
The method of forming an endless loop which consists in twisting a plurality of metallic wires into a strand, bending the strand into a loop until its ends abut and surrounding the sides of the strand where its ends abut with a metallic sleeve, and welding the abutting ends of the strand as well as the sides of the strand and the sleeve by subjecting the sides of the strand adjacent the ends of the sleeve to the action of electrical welding.

2,069,526
GEAR SHIFTING MECHANISM
Elmer G. Kesling, Bloomfield, Mo.
Application July 20, 1935, Serial No. 32,366
16 Claims. (Cl. 74—335)



1. Gear shifting mechanism of the character described comprising shifter elements, an actuator spindle mounted for rocking and longitudinal movements, means secured to said spindle for selectively engaging said elements respectively by rocking movements of said spindle and for shifting the selected element by longitudinal movements of said spindle, manual means directly attached to one end of said spindle for selectively rotating said spindle, power means directly attached to the other end of said spindle for imparting shifting movements to said spindle, and means associated with said manual means to control said power means.

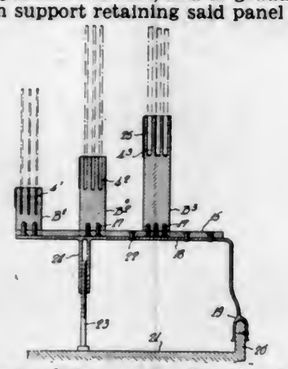
2,069,527
CHUCK ADAPTED FOR STUD DRIVER OR THE LIKE
Arthur I. Kirkland, Detroit, Mich.
Application February 8, 1935, Serial No. 5,595
11 Claims. (Cl. 81—53)



1. In a stud operating chuck, a driving member provided with an outwardly flaring bore, a core member mounted for limited axial and rotary movements relative to said driving member, and tapered rollers carried by said core member and cooperable with said bore for causing frictional engagement between said rollers and the stud upon relative axial movement of said core and driving members in one direction and for causing release of said rollers from said stud upon relative axial movement of said core and driving members in the opposite direction, said flaring bore being provided with oppositely sloping cam surfaces for each roller for non-rotatively locking said driving member and stud upon rotation of said core member relative to said driving member in either direction.

2,069,528
DISPLAY DEVICE
Claude W. Kress, New York, N. Y.
Application May 25, 1935, Serial No. 23,441
2 Claims. (Cl. 211—69)

1. A display device for an assortment of slender articles, such as drills, files, bits and the like, comprising a plurality of keystone-shaped panel blocks in parallel relation, and of graduated size, a common support retaining said panel blocks in



fixed spaced relation, each of said panel blocks having an arcuate upper surface with sockets therein for supporting the slender tools to radiate upwardly and outwardly therefrom.

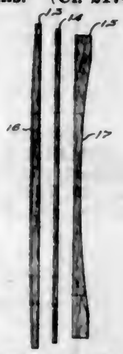
2,069,529
CHEMICALLY STABILIZED GLUCOSIDES AND GLUCOSIDE BEARING DRUGS
Vincent A. Lapenta, Indianapolis, Ind.
No Drawing. Application March 16, 1934, Serial No. 715,917
2 Claims. (Cl. 167—65)

1. A tincture of digitalis containing a small amount of floroglucinol to preserve the same.

2,069,530
CHEMICALLY STABILIZED GLUCOSIDES AND GLUCOSIDE BEARING DRUGS
Vincent A. Lapenta, Indianapolis, Ind.
No Drawing. Application May 9, 1934, Serial No. 724,763
2 Claims. (Cl. 167—65)

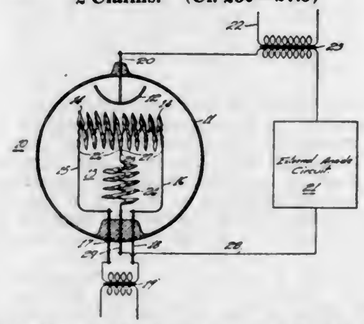
2. The combination of fluid extract of digitalis with a protector composed of orthodihydroxybenzene, tetramethyl ammonium, and camphoric acid.

2,069,531
BARREL STAVE
Louis Lehner, Memphis, Tenn., assignor, by mesne assignments, to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 23, 1933, Serial No. 694,765
9 Claims. (Cl. 217—88)



1. A fabricated stave for a barrel made up from layers of boards formed in such manner that the line of joinder therebetween is of less curvature than the curvature of the stave.

2,069,532
THERMIONIC FILAMENT OF VARIABLE CAPACITY
Erwin F. Lowry, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 15, 1934, Serial No. 715,644
2 Claims. (Cl. 250—27.5)

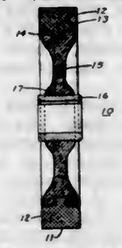


2. A cathode assembly comprising two electron emitting portions, one of said portions being electron emitting in response to a heating current provided therefor, the other portion being electron emitting in response to the load current, the emissivity of said last-mentioned portion varying in substantial amounts with the load current.

2,069,533
PROCESS OF REMOVING WAX AND RESINS FROM SHELLAC
Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 14, 1934, Serial No. 711,225
4 Claims. (Cl. 87—2)

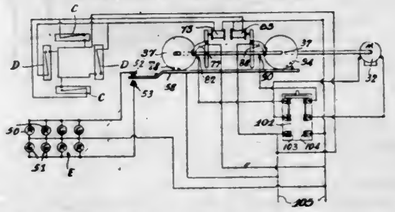
1. A process for removing wax and resins from shellac comprising treating the shellac with cyclic hydrocarbon selected from the group consisting of benzol, xylene and toluene and water, the cyclic hydrocarbon extracting the impurities and the water preventing the polymerization of the shellac, and then removing the cyclic hydrocarbon and water.

2,069,534
ROLLER
Howard R. Moyer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1935, Serial No. 41,409
7 Claims. (Cl. 74—230.3)



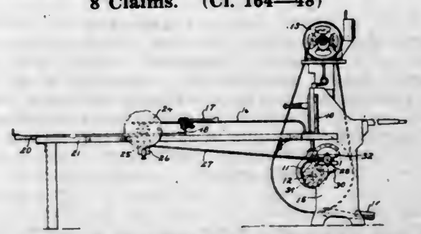
1. A roller comprising in combination, a plurality of section-members arranged in a circle to provide a tread, a tongue provided on each section-member, the tongues being disposed to present an inwardly extending flange when the section-members are arranged to form a tread, a web of fibrous material impregnated with a binder molded to the inner face of the tread enveloping the flange, and a hub disposed in the center of the web.

2,069,535
TRAFFIC SIGNAL AND TIMER
Alvin O. Olafson, St. Paul, Minn., assignor to National Traffic Signal Company, St. Paul, Minn., a corporation of Minnesota
Application May 27, 1931, Serial No. 540,223
2 Claims. (Cl. 177—337)



1. In combination with a traffic signal unit having stop and go signals for at least two interfering traffic lanes, a traffic actuated device for each lane, an electric motor including a shaft, a circuit for energizing said motor including a pair of switches in series, one for each lane; means for displaying a go signal to any one lane while displaying a stop signal to a second lane, said motor circuit, in the absence of traffic in said lanes having the said switch for the lane with the stop signal normally open, and the other closed; means for each lane operated by actuation of a said traffic actuated device for the corresponding lane when it has the stop signal for closing said open switch whereby said motor circuit is closed; means operated by rotation of said shaft to change the display of said signals to give a go signal to the lane of the said actuated device and stop to the other lane, and means operated by rotation of said shaft a predetermined time after said change of signals, to open said other switch whereby the motor circuit is opened and may be closed by an actuation of the other of said traffic devices on the lane now having the stop signal.

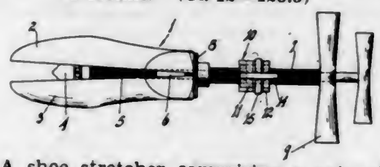
2,069,536
AUTOMATIC GAUGING STOP FOR SHEARING MACHINES
Myron A. Palmer, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application October 26, 1935, Serial No. 46,903
8 Claims. (Cl. 164—48)



1. In a shearing machine having a support for a sheet of material from which pieces are to be cut, a cutting blade, and means for actuating said

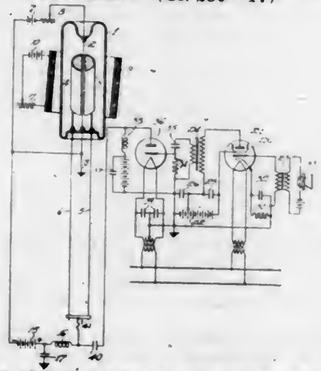
blade; a stop engageable by a sheet on said support and adjustable with respect to said blade to variably gauge the length of a piece cut from said sheet thereby; and means operable by said blade actuating means for periodically moving said stop with respect to said blade to cause the latter to cut a plurality of pieces varying in length.

2,069,537
SHOE STRETCHER
Apostole Panos, Long Beach, Calif.
Application December 10, 1935, Serial No. 53,739
4 Claims. (Cl. 12—128.3)



1. A shoe stretcher comprising a pair of toe stretching blocks, a threaded shaft extending into said blocks, a threaded sleeve slidably fitted on said shaft, one end of said sleeve bearing against the rear face of said blocks, a heel block in threaded engagement with the sleeve, means pivotally mounted on said heel block, said means being tiltable relative to the sleeve for the purpose of removing the stretcher from the shoe, and lock means engaging said first named means for holding the same in fixed vertical position.

2,069,538
RADIO OPTICAL MODULATION SYSTEM
La Verne R. Philpott, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 22, 1933, Serial No. 667,395
10 Claims. (Cl. 250—17)



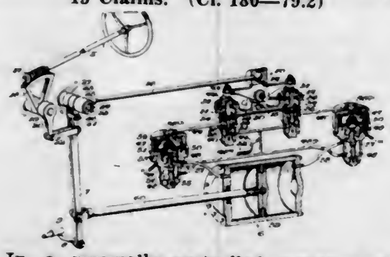
1. In a signal device, a generator of oscillations of a type which produces a high power output at a particular impressed voltage and low power output substantially equivalent to an interruption at impressed voltages differing from said particular voltage by more than the ordinary unintended variations in said voltage, means for impressing a periodically varying voltage on said generator, the said periodic variation causing the impressed voltage to periodically transiently equal said particular voltage and to differ therefrom during a part of each period by more than the ordinary unintended variations in voltage supply and signal-responsive means for controlling the frequency of said periodic variation.

2,069,539
PIPE WRAPPING MACHINE
Robert Gregory Roberts, Kansas City, Mo., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application October 21, 1932, Serial No. 638,891
4 Claims. (Cl. 242—11)



1. A pipe wrapping machine comprising a carriage adapted to be placed on a rotating pipe, wheels supported from the frame of said carriage contacting with the pipe and supporting the carriage on the pipe, means for rotating the pipe, a spindle mounted at the top of the frame of said carriage and supported on opposite sides of the carriage, said spindle having an extension projecting from one side of the carriage frame and providing a support for the wrapping material, the portion of said spindle between said opposite sides of the carriage being jointed to permit angular adjustment of the projecting portion.

2,069,540
STEERING MECHANISM
Roy S. Sanford, New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application May 31, 1934, Serial No. 728,405
15 Claims. (Cl. 180—79.2)

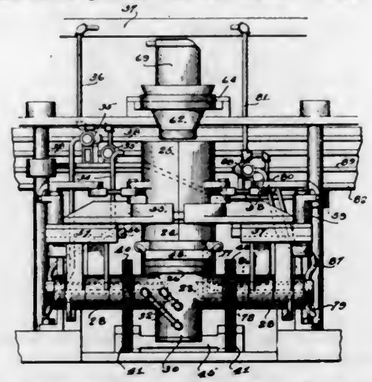


1. In a manually-controlled power-operated vehicle steering mechanism of the type embodying a fluid motor, the combination with said motor, of means for controlling the flow of fluid thereto and for dampening movement of said steering mechanism caused by road shocks comprising a fluid-operated valve mechanism, valve means for controlling the flow of fluid to said valve mechanism, and manually-operable means for controlling said valve means.

2,069,541
MACHINE FOR FORMING HOLLOW GLASS CONTAINERS
Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application August 1, 1934, Serial No. 737,910
4 Claims. (Cl. 49—12)

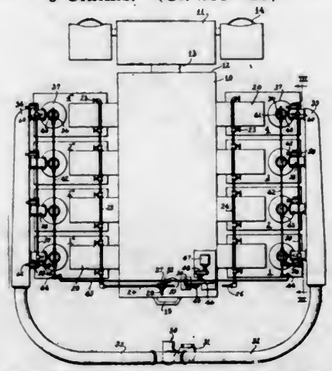
1. In combination, a combined primary and finishing mold having a cavity corresponding identically in contour and dimensions to the exterior surface of a hollow glass container to be produced therein, said mold having an upwardly facing charging opening through which a mold charge of glass is adapted to enter said mold after separation from a supply body, a

mold bottom plate adapted to close said opening after the charging operation, means for applying vacuum to a part of said cavity to thereby transform a portion of the mold charge to its



final shape, and means for thereafter applying vacuum to the remaining portion of the cavity to effect expansion of the other portion of the mold charge to its final shape.

2,069,542
FURNACE
Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application February 23, 1935, Serial No. 7,827
6 Claims. (Cl. 263—15)

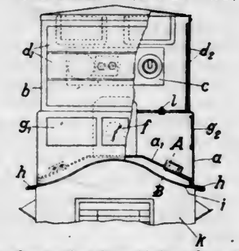


1. The combination of a furnace tank, burners arranged at intervals therealong, devices individual to said burners for bringing them into activity, automatic means for actuating said devices successively and at predetermined time intervals, and adjusting devices individual to the burners for adjustably varying individually the length of said time intervals.

2,069,543
PROCESS OF POLYMERIZING HYDROCYANIC ACID AND PRODUCT THEREOF
Horace Chamberlin Adams, Glendora, and Howard Donovan Green, Pasadena, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 3, 1934, Serial No. 723 796
16 Claims. (Cl. 23—151)

2. A process for polymerizing hydrocyanic acid comprising maintaining an aqueous solution containing hydrocyanic acid and a polymerization catalyst at a temperature at which the polymerization can occur until the exothermic polymerization reaction commences and thereafter extracting heat from said solution at a rate sufficient to prevent the temperature from rising above about 250° F. until the polymerization reaction is substantially complete.

2,069,544
ADVERTISING HOOD
Walter Altmann, Berlin-Wilmersdorf, Germany
Application December 16, 1935, Serial No. 54,559½
In Germany December 11, 1934
5 Claims. (Cl. 40—28)



1. A box-shaped advertising hood to be placed upon, and connected with letter-boxes, automatic vending apparatuses, and the like, said hood comprising, in combination with its socle portion, laterally projecting clamps or hooks located counter to one another and so shaped as to be adapted to engage top portions of the respective letter-box or other support, and means connecting said clamps or hooks with the hood socle and being accessible only from the interior thereof.

2,069,545
SYNTHESIS OF HYDROCYANIC ACID
Paul Johnson Carlisle and Alexander Douglas Macallum, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 9, 1933, Serial No. 675,106
12 Claims. (Cl. 23—151)

5. A process for reacting ammonia with a hydrocarbon to form hydrocyanic acid comprising mixing ammonia with a quantity of said hydrocarbon equivalent to at least twice the amount required to react with said ammonia together with a quantity of oxygen equal to that required to oxidize about 50 to 100% of the excess hydrocarbon to carbon monoxide and water, preheating the mixture to at least the ignition temperature of said hydrocarbon and passing the preheated mixture through an unpacked reaction space.

2,069,546
SEPARATION OF CHLORANISIDINE ISOMERS
Thomas S. Carswell, Kirkwood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 21, 1935, Serial No. 2,747
10 Claims. (Cl. 260—130.5)

1. A method of separating a mixture of 4- and 5-chloranisidines consisting preponderantly of the 4-chloranisidine which comprises removing a portion of substantially pure 4-chloranisidine as a solid from a solution of 4- and 5-chloranisidines in an inert organic solvent, thereby leaving a solu-

tion of mixed 4- and 5-chloranisidines in which the proportion of the 4-chlor isomer has been substantially decreased, acidifying the mixture of the two isomeric anisidines with aqueous acid, crystallizing out a part of the 5-chloranisidine acid addition salt from the aqueous acid solution, and neutralizing the solution of unseparated 4- and 5-chloranisidines.

2,069,547
PRODUCT AND PROCESS OF SULPHATION OF COMPOUNDS OBTAINED BY HYDROGENATION OF CARBON OXIDES

Richard G. Clarkson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

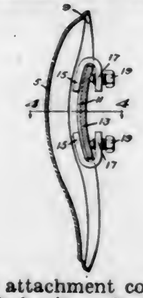
No Drawing. Application August 5, 1933, Serial No. 683,903
19 Claims. (Cl. 260—99.12)

1. In a process for the preparation of the sulphuric acid derivatives of the mixture of higher oxygenated organic compounds obtained by the catalytic hydrogenation of carbon oxides under elevated temperatures and pressures the steps which comprise reacting the higher oxygenated compounds with a strong sulphating agent at a temperature of 0°–100° C. after solution of the mixture of compounds in a solvent inert to the sulphating agent.

2,069,548
VEHICLE BUMPER

Charles I. Geddes, Arlington, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts

Application April 3, 1935, Serial No. 14,429
7 Claims. (Cl. 293—55)



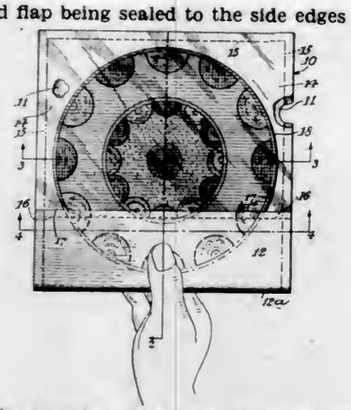
5. A bumper attachment comprising a hollow sheet metal body having a front face and a rearwardly extending margin, relatively short flanges extending inwardly from said margin to seat on the front face of a bumper bar and screw clamping means for securing said attachment to the bar comprising a part insertable into the hollow of the body to overlie the flanges.

2,069,549
CONTAINER

Robert J. Hutt and George A. Hutt, Brooklyn, N. Y.

Application December 12, 1935, Serial No. 54,018
8 Claims. (Cl. 206—44)

1. A container comprising a base sheet of substantial heavy paper having a length somewhat greater than its width, the excess material in the length of the base sheet being folded back to form a single blind sealing edge of a pocket and a single flap extending over the base sheet; a transparent sheet of material arranged over the base sheet and having a major edge portion thereof sealed to the base sheet in face to face relation and a minor edge portion sealed to a free edge of said flap and the remaining free edges of said flap being sealed to the side edges of the

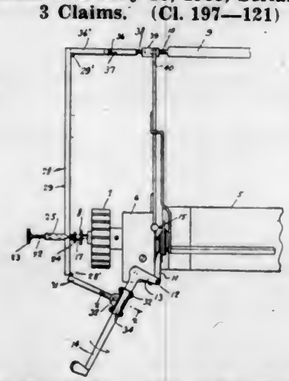


base sheet in face to face relation to complete the sealed pocket.

2,069,550
TYPEWRITER LINE SPACER

Ernest Lewis McMillan, Houston, Tex.

Application February 18, 1935, Serial No. 7,089
3 Claims. (Cl. 197—121)

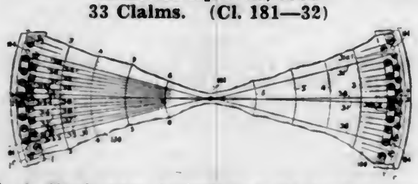


3. In a typewriter carriage including a platen, a spacer lever, and releasable clutch means for said platen, clutch operating means for said clutch means, platen spacing means operated by said spacer lever, an adjustable member operable by said spacer lever and engageable with said clutch operating means in a manner to cause releasing of said clutch means at any predetermined stage of actuation of the platen spacing means.

2,069,551
DIAPHRAGM AND ASSOCIATED DEVICE

Charles Messick, Brentwood, N. Y.

Application March 11, 1924, Serial No. 698,368
Renewed April 28, 1930
33 Claims. (Cl. 181—32)

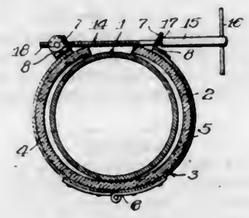


1. A diaphragm including a stationary frame, highly tensioned vibratory wires anchored at the frame and a sheet of metal attached to the wires where adjacent thereto.

2,069,552
ROLL FOR IRONING MACHINES

John Mikulasek, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application November 7, 1934, Serial No. 751,825
2 Claims. (Cl. 154—1)

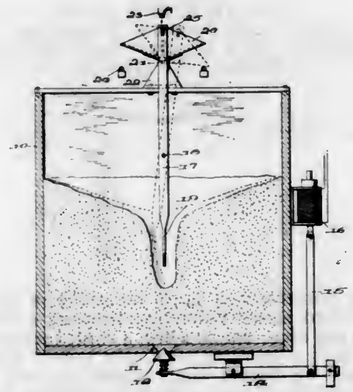


1. A clamping member for applying a sheet of covering or padding to an ironer roll, comprising semi-cylindrical sections hinged along their one edge, said sections being adapted to be completely opened to receive and then encompass the roll and sheet to be applied thereto and to engage said sheet, and clamping means connecting the free edges of said sections and adapted to draw said edges together whereby said sections force the ends of said sheet into abutting relation and the remainder of the sheet into intimate surface contact with the roll so as to provide an integral structure.

2,069,553
CONTROL VALVE MECHANISM FOR MATERIAL TANKS

James Macdonald Mitchell, Old Lyme, Conn.

Application July 14, 1934, Serial No. 735,271
16 Claims. (Cl. 210—51)



1. In a settling tank, a valved discharge for settled materials, a member movable intermittently in a fixed path in the tank and arranged to have its movement arrested by settled materials as the level thereof rises in the tank, periodically operative actuating means to move the member through its path, and means rendered operable by the stopping of the movable member to open the valved discharge.

2,069,554
METHOD OF TREATING TITANIUM DIOXIDE

Reginald Hill Monk and Archibald Stewart Ross, Montreal, Quebec, Canada, assignors to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine

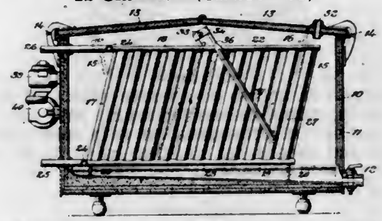
No Drawing. Application November 5, 1934, Serial No. 751,672
13 Claims. (Cl. 134—58)

2. In a method of treating hydrated titanium dioxide precipitated by hydrolysis of titanium salts, the steps of drying the dioxide without dehydrating the same, and then subjecting the dried TiO_2 to the action of gaseous ammonia.

2,069,555
HEAT EXCHANGE APPARATUS

Cornelius Mortensen, Louisville, Ky.

Application August 4, 1936, Serial No. 94,259
12 Claims. (Cl. 257—76)



1. Apparatus of the character described comprising a tank, a cover therefor, and a heat exchange unit within said tank, said unit comprising a substantially U-shaped upper header, a substantially U-shaped lower header, a pair of corrugated plates connecting each related pair of side portions of the respective headers and having spaced passageways therebetween communicating with the related header side portions, and means for the supply of a fluid to one of said headers and for its outlet from the other of said headers.

2,069,556
SEALED POWDER CONTAINER

John J. O'Connor, New York, N. Y.

Application August 2, 1935, Serial No. 34,461
7 Claims. (Cl. 132—82)



1. A powder container comprising a body portion having an outlet opening therein and having a guide slot in line with the outlet opening, a slide engaging the outer side of the container body for closing said opening and slot, a slide button carried by the slide and having a shank engaging through said guide slot, and a spring fixedly mounted in the container body and loosely engaging the shank of said slide button to yieldingly hold the slide against the container body.

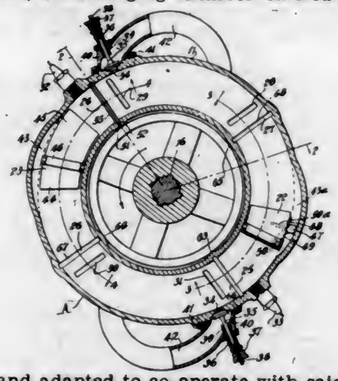
2,069,557
INTERNAL COMBUSTION ENGINE

Hyman Policansky, Cape Town, Union of South Africa

Application October 22, 1935, Serial No. 46,099
In Great Britain October 26, 1934
4 Claims. (Cl. 123—14)

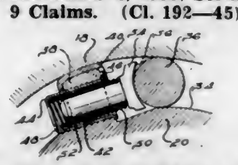
4. In a rotary internal combustion engine of the kind having at least one vane adapted to move

within an annular chamber rectangular in cross section and shutters adapted to be moved into and out of the path of the said vane, walls to said annular chamber one being a cylindrical wall, at least one transfer recess formed in said cylindrical wall, a scavenging member carried by said



vane and adapted to co-operate with said transfer recess, spring means for urging said scavenging member into co-operation with said transfer recess and means for causing centrifugal force to act on said scavenging member and assist said spring means.

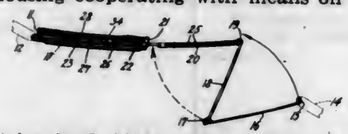
2,069,558
FREEWHEELING CLUTCH
Carl F. Rauen, Grosse Pointe, and Francis H. Condon and John T. Rauen, Detroit, Mich.; said Condon and said John T. Rauen assignors, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application November 4, 1933, Serial No. 696 629
9 Claims. (Cl. 192—45)



9. Clutch structure comprising a pair of relatively movable members, a plurality of eccentric raceways formed between oppositely disposed surface portions of said members, lugs projecting from one of said members and disposed one between each pair of said raceways, a roller in each of said raceways, a shoe for each of said rollers, said shoes being supported by said lugs in such a manner as to move in a predetermined path, means acting on said shoes for biasing said rollers toward the restricted portions of said raceways for coupling said members for movement together in one direction, said shoes being arcuately shaped and adapted to move in a fixed path and to support said rollers free from engagement with one of said surfaces during such time as said members are moving relative to each other.

2,069,559
CLASP
Saul Ritter, Far Rockaway, N. Y.
Application December 10, 1932, Serial No. 646,587
4 Claims. (Cl. 24—71)

1. A buckle for a strap comprising a housing, a plurality of strips, means for hingedly connecting said strips end to end to be folded, means for slidably retaining an end of one of said strips in said housing, said slidable strip serving to carry said other strips when folded and moved endwise into said housing, spring actuated means within said housing cooperating with means on one of



said strips for holding said folded strips in adjusted relation to said housing and means movable transverse to the movement of said slidable strip for rendering said spring actuated means inoperative.

2,069,560
TERTIARY ALKYL-CYCLOHEXYL PHENOLS AND PROCESS OF PREPARING SAME
Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 6, 1935, Serial No. 5,299
4 Claims. (Cl. 260—154)

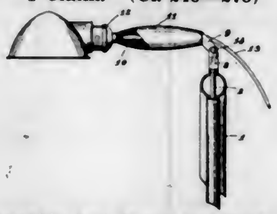
3. A compound having the general formula



in which R is the residue of a cyclohexane ring carrying a tertiary alkyl substituent in one of the 3, 4 or 5 positions and having the remaining positions unsubstituted.

4. A process which comprises reacting, in the presence of an acid catalyst, a tertiary alkyl substituted cyclohexanone and a mononuclear monohydric phenol having the para position to the phenolic hydroxyl unoccupied, said cyclohexanone containing a tertiary alkyl substituent in one of the 3, 4 or 5 positions and having the remaining positions unsubstituted.

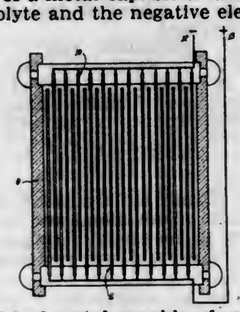
2,069,561
PORTABLE BED LAMP
Benjamin Brent Sandidge, Clarendon, Va.
Application April 18, 1936, Serial No. 75,204
1 Claim. (Cl. 248—278)



In a portable bed lamp structure, a grooved and slotted sleeve extending through a vertical bore in the cross-bar or a bed, a shaft formed with a pin that cooperates with said groove and slot to retain or permit the removal of said shaft from said sleeve, and a lamp adjustably and intermediately connected with said shaft.

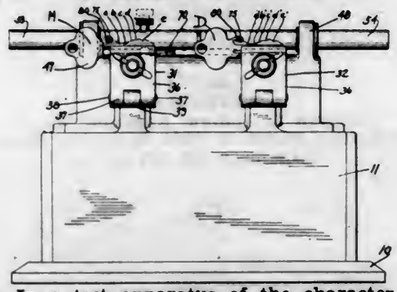
2,069,562
APPARATUS FOR THE ANALYSIS OF A CHEMICALLY PURIFIED WATER
Armand Schnorf, Saint-Aubin, Neuchatel, Switzerland
Application October 6, 1934, Serial No. 747,237
In Switzerland May 16, 1934
1 Claim. (Cl. 23—253)

Apparatus for determining the quantity of oxidizing agent in excess in a chemically purified water according to the variations of the value of the electromotive force of an electrical couple immersed in the water to be analyzed, comprising a receptacle within which is maintained a strictly constant supply of the chemically purified water, a detector immersed in the water, the said detector comprising a series of positive electrodes and a series of negative electrodes, the electrodes of each series being electrically coupled in parallel and the electrodes of the respecive series being disposed very close together, the positive electrodes being of a metal capable of being attacked by an electrolyte and the negative electrodes be-



ing of a polished metal capable of causing overpressure of the hydrogen, a source of current, the said positive and negative electrodes being respectively connected to the positive and negative terminals of a circuit including said source of current, said source of current having a strictly constant electromotive force which is in opposition to that of the couple immersed in the water, an electrical apparatus for measuring the electromotive force of the said couple, and a variable resistance in the circuit of said apparatus which resistance is considerable in relation to the total resistance of the column of purified water flowing between the electrodes of the detector.

2,069,563
KEY GAUGE
Samuel Segal, New York, N. Y.
Application March 15, 1932, Serial No. 599,035
12 Claims. (Cl. 177—311)



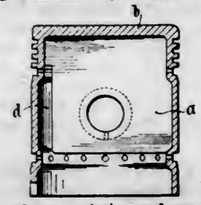
1. In a test apparatus of the character described, the combination of, a support having spaced clamps each adapted to sustain a key, a shiftable member disposed longitudinally of said support, means for slidably and rotatably supporting said member, and spaced extensions bodily carried by said member and having terminals adapted to cooperate with corresponding bitings of said keys.

7. In a test device of the character described, the combination of, a support having spaced clamps for removably supporting a pair of spaced keys such that corresponding bitings thereof are a predetermined distance apart, a rod disposed longitudinally of said support, means for rotatably and slidably sustaining said rod, spaced extensions substantially normal to said rod and carried by the latter and having terminals receivable in corresponding bitings of said keys, stop means associated with said support, and manipulatable means carried by said rod adapted to abut said stop means during lateral bodily displacement of said rod in one direction.

2,069,564
STABILIZING BASE EXCHANGING HUMATES
Howard L. Tiger, New York, N. Y., and Paul C. Goetz, Mount Holly, N. J., assignors to The Permutit Company, New York, N Y., a corporation of Delaware
No Drawing. Application July 31, 1935, Serial No. 34,108
13 Claims. (Cl. 210—24)

1. A process of stabilizing a humic acid base exchange material which comprises digesting granules of such a material in a saline solution containing combined Cr_2O_3 for a time sufficient to charge the material with chromic oxid held in combination with contained humic acid.

2,069,565
PISTON
William Lewis Treseder, Pontypridd, near Cardiff, South Wales
Application January 25, 1934, Serial No. 708,246
In Great Britain January 30, 1933
3 Claims. (Cl. 309—11)



1. A piston for an internal combustion engine comprising a head, a skirt directly attached to said head and having a thrust side and a trailing side, gudgeon pin bosses extending inwardly each from one side of the piston skirt and webs extending continuously across said head inside said skirt, one edge of said webs being joined to the thrust side of said skirt and the opposite edge extending across and separated from the trailing side thereof, each of said gudgeon pin bosses being directly joined both to said skirt and to one of said webs.

2,069,566
NICKEL PLATING SOLUTIONS AND PROCESSES
Robert L. Tuttle, Woodbridge, N. J., assignor to Zialite Corporation, a corporation of New York
No Drawing. Application July 11, 1931, Serial No. 550,289. Renewed July 14, 1934
2 Claims. (Cl. 204—14)

1. An alkaline nickel-plating solution for metals, especially zinc base metals, containing nickel sulphate to furnish nickel and sulphate ions; having sufficient pyrophosphate ions, with relation to the sulphate ions, to prevent deposition of nickel by immersion; sufficient citrate ions to provide adequate buffering effect and to neutralize the absorption of hydrogen by the depos-

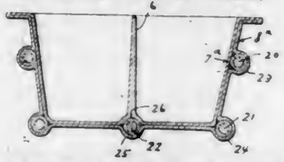
ited nickel; a small amount of sulphite ions being present to provide satisfactory nickel-throwing power; sufficient chloride ion to provide proper anode corrosion; the general combination serving to produce a smooth, ductile plate of nickel, and being characterized in its most desirable composition and proportions, but admitting of reasonable variations therefrom, by a bath of the following composition:—

Sodium sulphate	ounces	16
Sodium pyrophosphate	do	8½
Sodium bisulphite	do	¼
Sodium citrate	do	8
Citric acid	do	2
Salt	do	4
Ammonia water (28%)	do	4–8
Water	gallon	1

2,069,567

MEANS FOR REMOVING ICE CUBES FROM REFRIGERATOR TRAYS

Henry L. White, Red Bluff, Calif.
Application February 16, 1931, Serial No. 516,242
13 Claims. (Cl. 62—108.5)



1. An ice cube freezing tray comprising an inner tray form, electrical heating means supported at the outside of the walls of the tray form, an outer tray form surrounding and connected to the inner tray form and having tubular portions enclosing the heating means, and other heating means supported at the outside of the juncture of the lower edge of the walls and of the bottom of the inner tray form, said outer tray having second tubular portions enclosing and supporting said other heating means.

2,069,568

FREE RUNNING SULPHUR

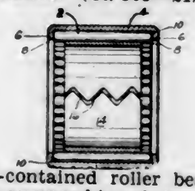
Ferd W. Wieder, Berkeley, Calif., assignor to San Francisco Sulphur Company, a corporation of California
No Drawing. Application March 9, 1936, Serial No. 67,941
5 Claims. (Cl. 23—243)

1. A free flowing sulphur dust consisting essentially of a finely divided free flowing mixture of sulphur and between 1 and 10% of dicalcium phosphate.

2,069,569

ANTIFRICTION BEARING

Otto W. Young, East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 11, 1934, Serial No. 747,902
4 Claims. (Cl. 308—212)



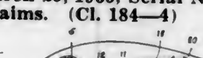
1. In a self-contained roller bearing unit, a series of rollers arranged in substantially a closed circle and terminating in flat end faces, a raceway sleeve of bendable metal engaging the rollers and having its opposite ends provided with substantially straight flanges integral therewith and bent at an angle greater than a right angle to the body of the sleeve to thereby engage the flat end faces of the rollers and hold them away from the bend, and means for holding the rollers in engagement with the sleeve, said means being slidable along the rollers; substantially as described.

2,069,570

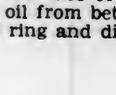
COMPOSITION OF MATTER FOR THE SOFTENING OF TEXTILES

Otto Albrecht, Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 5, 1935, Serial No. 30,017. In Switzerland July 9, 1934
20 Claims. (Cl. 252—1)

1. A composition of matter, characterized by a content of a product of the general formula



in which Me stands for a member of the group consisting of an alkali metal and ammonium, A for a member of the group of radicals consisting of alkyl, cycloalkyl and aryl radicals, Y for a



group wherein one valency is attached to a member A of the group of radicals consisting of alkyl, cycloalkyl and aryl radicals and the other valency is bound to the radical Z and in which Z stands for an aliphatic radical having at least 8 carbon atoms, and a salt of an organic sulfonic acid of the general formula

in which R stands for an aliphatic chain having at least 8 carbon atoms, X stands for a member selected from the group consisting of



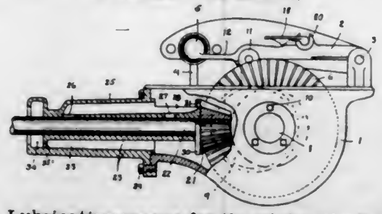
or

and Me has the aforesaid signification.

2,069,571

WINDMILL

Vaughan L. Andrew, Superior, Wis.
Application March 25, 1935, Serial No. 12,815
9 Claims. (Cl. 184—4)

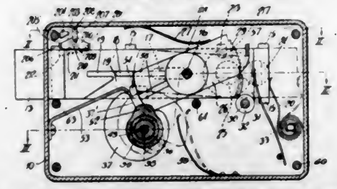


1. Lubricating means for the pinion shaft bearing of a windmill head comprising a housing about said shaft and partially extending within said head, a pinion and shaft within said housing, a ring on the rear face of the pinion, and means for receiving oil from between the pinion teeth and under the ring and directing it to the shaft bearing.

2,069,572

COMBINATION LOCK

Hernfrid Evald Berggren, Stockholm, Sweden
Application March 9, 1935, Serial No. 10,312
In Sweden March 7, 1934
19 Claims. (Cl. 70—53)



1. A combination lock of the type including a plurality of adjustable tumblers for locking a bolt, and a setting member manually operable to set one tumbler at a time into desired position, characterized by the provision of means for automatically coupling said setting member to a succeeding tumbler upon the manual operation of the member to set the preceding tumbler.

2,069,573

PHENOLIC COMPOUNDS

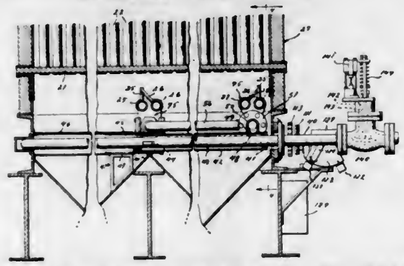
Elmer K. Bolton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 6, 1935, Serial No. 5,301
4 Claims. (Cl. 260—154)

1. The condensation product of 3,5-dimethylcyclohexanone and a mononuclear monohydric phenol having its para position to phenolic hydroxyl unoccupied.

2,069,574

FLUID HEATER CLEANER

Frank Bowers, Detroit, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application December 3, 1935, Serial No. 52,687
24 Claims. (Cl. 257—1)



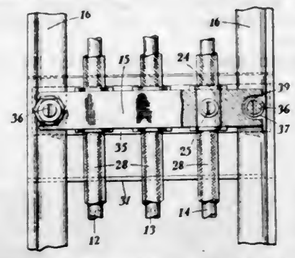
1. In a fluid heater cleaner, a plurality of blower elements, means for moving all of said elements in a direction normal to their longitudinal axes and as a unit with reference to portions of the fluid heater to be cleaned, and means operating in dependence upon the movement of said blower elements to limit the supply of cleaning fluid to one of said blower elements at a time.

2,069,575

ELECTRICAL SYSTEM OF DISTRIBUTION

John Ernest Percival Burge and Ernest Alfred Roughton, Coventry, England, assignors to Humber Limited, Coventry, England
Application March 19, 1936, Serial No. 69,735
In Great Britain April 18, 1935
6 Claims. (Cl. 175—298)

1. A system of electrical distribution for production shops and the like, including a plurality of rigid conductors, a plurality of transversely-arranged insulating blocks for holding said conductors in spaced relation, said blocks being spaced along said conductors, a pair of parallel

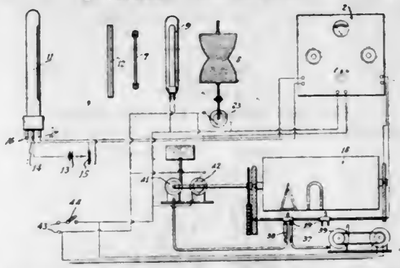


flanged metal bars supporting the ends of said blocks, and insulating tubes individually encasing said conductors between said blocks.

2,069,576

APPARATUS FOR PRODUCING PHOTOGRAVURE PLATES

Theodore A. Cohen, Chicago, Ill.
Application March 23, 1932, Serial No. 600,721
8 Claims. (Cl. 178—5)

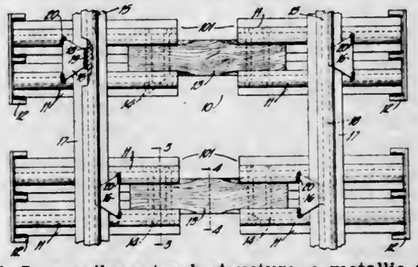


1. In an apparatus of the character described, the combination of a member adapted to have an image produced thereon and means for delivering an electrolytic chemical solution to said member at a minute position and means for dispersing said solution immediately surrounding said position on said member for causing electrolytic action on said member for producing said image on said member.

2,069,577

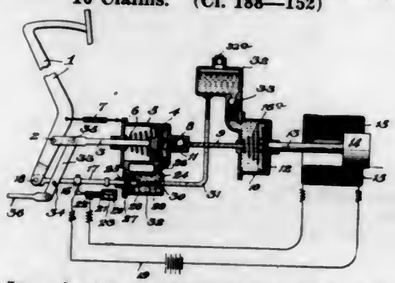
RAILWAY TRACK STRUCTURE AND METHOD OF INSTALLING THE SAME

William Dalton, Schenectady, N. Y.
Application September 5, 1935, Serial No. 39,279
15 Claims. (Cl. 238—34)



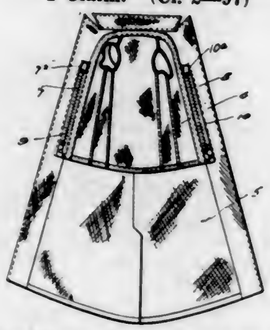
1. In a railway track structure, a metallic tie, a track rail directly supported on said tie, and a rail clamp welded to the base of said rail and to said tie.

2,069,578
ELECTRIC BRAKE
Wilfred A. Eaton, Pittsburgh, Pa., assignor to Bendix Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application April 20, 1932, Serial No. 606,484
10 Claims. (Cl. 188—152)



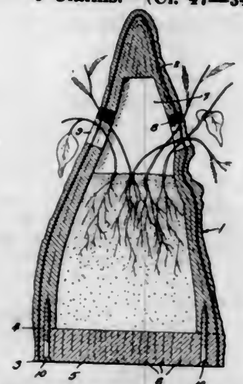
4. In a braking system, a manually-operable means, a fluid motor operable in one direction for operating the brakes, a fluid operated device movable in one direction with said manually-operable means, and in the opposite direction by a pressure differential applied to said motor to move the latter in said one direction.

2,069,579
GARMENT
Charles Epstein, Boston, Mass.
Application November 2, 1934, Serial No. 751,200
1 Claim. (Cl. 2—97)



A compound garment comprising a complete outer garment and a complete inner garment, said inner garment being provided along its free edges with complementary fastening devices for securing said edges together when said inner garment is worn alone, and fastening devices adjacent the edges of and within said outer garment and cooperating respectively with the fastening devices at the free edges of said inner garment for securing the latter in place within said outer garment, said fastening devices respectively comprising inter-engageable hook members and a slide member for engaging or disengaging said hook members, the slide member of one of the first mentioned fastening devices having handles on opposite sides thereof whereby the last mentioned slide member is conveniently operable from either side thereof to the end that said inner garment may be secured within the outer garment with the unfinished face of the inner garment facing outwardly so that upon removal of the outer garment the inner garment will remain on the body of the wearer right side out.

2,069,580
ARTICLE OF MANUFACTURE MADE FROM CYPRESS KNEE
Thomas Gaskins, Jr., Arcadia, Fla.
Application August 10, 1936, Serial No. 95,213
5 Claims. (Cl. 47—34)



1. Flower pot comprising a knee having a closed apical end and a flat base, said knee being formed with a chamber extending toward said apical end an opening in said base, and a bottom of porous wood cut across grain, and with the grain running perpendicular to the plane of the base, said knee having an outlet aperture between the apical portion and base communicating with said chamber, and roughly determining an earth-receiving portion below said aperture and a humid atmosphere retaining portion.

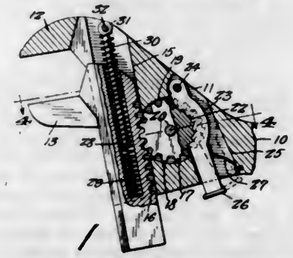
2,069,581
POWER OPERATED TOOTH BRUSH
John C. Hyde, Chicago, Ill.
Application February 14, 1936, Serial No. 63,964
1 Claim. (Cl. 15—23)



A power-operated toothbrush comprising a holder including an open-ended tubular cylinder forming a combined handle and mechanism casing and provided on its interior intermediate its ends with an annulus constituting a bearing and provided at one end with a counter-bore, a bushing fitted into the counter-bored end of the cylinder and abutting the shoulder formed through the instrumentality of said counter bore, said bushing being of such a cross-sectional diameter that the bore thereof matches the bore

in said bearing, a mandrel confined in said cylinder and mounted for rotation in the bushing and bearing, said mandrel being provided with a brush clamping chuck, the driven end of the mandrel extending outwardly beyond the bushing and having an outstanding abutment flange in rotating contact with said bushing, an adapter collar fitted into the counter-bored end of the cylinder and in contact with said flange and constructed to accommodate a flexible driving shaft cooperable with the mandrel.

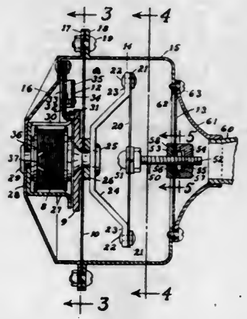
2,069,582
WRENCH
Fred M. Justice, Brewton, Ala.
Application April 30, 1936, Serial No. 77,273
1 Claim. (Cl. 81—133)



A wrench of the character described comprising a shank forming a handle, a substantially triangular shaped head at one end of the handle and having a fixed jaw laterally offset to said handle, the head being cut away at one side for forming a way crosswise of the head and at an angle to the handle, a movable jaw, a slide rack fitting said way and having the movable jaw formed therewith intermediate its ends for coaction with the fixed jaw, rack teeth on the rack at a bottom edge thereof, a wheel rotatably journaled in the head and having intermediate peripheral ratchet teeth and outer peripheral gear teeth at opposite sides of the ratchet teeth, the said gear teeth being emmeshed with the teeth of the slidable rack, a ratchet pawl pivoted in the head for straddling the wheel between the gear teeth thereon and coacting with the ratchet teeth of said wheel, a spring active upon the pawl for urging the same into engagement with the ratchet teeth of the wheel, and means active upon the rack for sustaining the same tensioned when the movable jaw approaches or recedes from the fixed jaw.

2,069,583
WARNING SIGNAL DEVICE
George L Lewis, Cincinnati, Ohio, assignor of two-fifths to Frederick P. Hockland, Cincinnati, Ohio
Application June 7, 1932, Serial No. 615,851
5 Claims. (Cl. 177—7)

4. In a sound producing apparatus, the combination of a shell, a pair of spaced diaphragms located in the shell, means for securing the diaphragms at their edges in spaced parallelism, one diaphragm having a normal higher rate of vibration than the said other diaphragm, a resilient metallic ribbon-like member having spaced parts rigidly connected to the central portions of the diaphragms and normally non-biased with respect to the diaphragms relative to the other in either direction, an electro-magnetic means for vibrating the last named diaphragm to produce one tonal effect, the first named diaphragm vibrated by the last named diaphragm as modified by the said resilient member to produce another tonal effect by the vibration of the first named



diaphragm whereby the said diaphragms are vibrated at different and characteristic tone producing rates.

2,069,584
FURNACE FOR THE INCINERATION OF HOUSEHOLD REFUSE
Pierre Lorton, Paris, France
Application January 26, 1933, Serial No. 653,737
In France January 29, 1932
5 Claims. (Cl. 110—13)

1. A household refuse-incinerator comprising in combination, a hopper for feeding the substances to be incinerated, a distributor positioned below said hopper and above the center of the combustion chamber, a rotatable hearth, said distributor including means for distributing said substances over the upper surface of said hearth, said hearth having a central agitating cone made of one single piece of thin metal and provided with stirring blades, means for introducing air within said cone, means for causing said hearth to rotate, a receiving hopper below said hearth having downwardly converging side walls for evacuating the clinker, rotatable crushing rollers at the bottom of said receiving hopper, a screen below said rollers for arresting the passage of metallic substances and suction means below said screen for evacuating the pulverized clinker.

2,069,585

MOLDABLE SHOE HEEL COMPOSITION AND PROCESS OF COMPOUNDING SAME

Arthur W. Marchant, Arlington, Mass., assignor, by direct and mesne assignments, of twenty per cent to Theodore C. McElroy and thirteen and one-third per cent to James J. Hurley, both of Randolph, Mass.; thirteen and one-third per cent to James H. Dignan and thirteen and one-third per cent to Cornelius A. Sullivan, both of Braintree, Mass.; and twenty per cent to James H. Malone, Wollaston, Mass.

Application May 31, 1932, Serial No. 614,607
Renewed March 26, 1936
11 Claims. (Cl. 106—3)



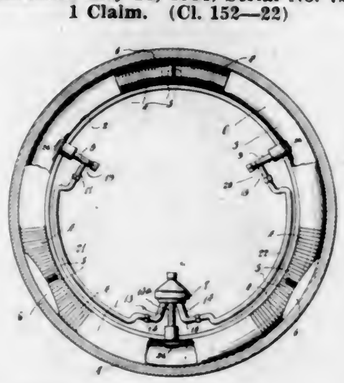
1. A composition to be used in forming molded shoe heels and other articles consisting of a mixture of wood flour, dextrine, leather fiber, and cotton waste united by gummy adhesive substance.

2,069,586

SECTIONAL INNER TUBE FOR PNEUMATIC TIRES

Joseph Mars, Altamont, Ill.

Application May 14, 1934, Serial No. 725,621
1 Claim. (Cl. 152—22)



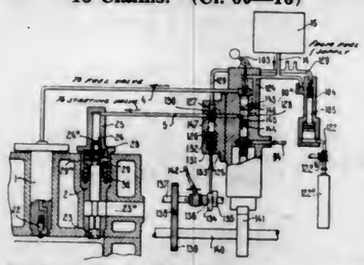
In combination with a tire casing and inner tube composed of a plurality of independent sections, a main valve comprising a cylindrical exteriorly threaded body formed with a central housing and outer outwardly inclined housings, a bell shaped cap screwing on the body of the main valve and formed at its upper end with a reduced neck or stem, valves working in the central and outer outwardly inclined housings of the main valve and formed with relatively long stems converging at the base of the neck or stem of the cap, secondary valves associated with certain of the inner tube sections and formed with right-angularly disposed extensions and flexible tube connections between the outer ends of the outer outwardly inclined housings of the main valve and the extensions of the secondary valves.

2,069,587

MEANS FOR STARTING AN INTERNAL COMBUSTION ENGINE

Heinrich Maurits Meier Mattern, Hilversum, Netherlands, assignor of part to Werkspoor N. V., Amsterdam, Netherlands

Application January 26, 1933, Serial No. 653,725
In the Netherlands February 1, 1932
13 Claims. (Cl. 60—16)



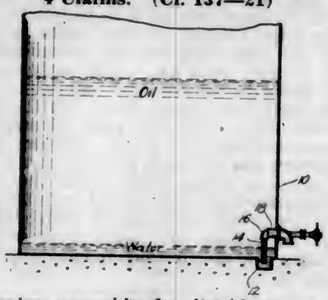
10. An internal combustion engine comprising a combustion cylinder, a fuel valve thereon, a starting valve on said cylinder controlling a supply of compressed air, a hydraulic cylinder upon said combustion cylinder, a piston movable in said hydraulic cylinder for operating said starting valve, a pump for supplying liquid fuel to said fuel valve and means utilizing said liquid fuel for actuating said piston in said hydraulic cylinder to operate said starting valve.

2,069,588

VALVE

John D. Mattimore, Lynbrook, N. Y., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts

Application March 13, 1935, Serial No. 10,805
4 Claims. (Cl. 137—21)



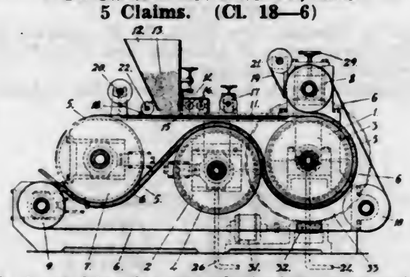
1. A valve assembly for liquid storage tanks comprising in combination, a pair of tubular fittings, one fitting having a flange for securing it to the exterior of the tank wall with one end of said fitting projecting within the tank, the other said fitting having a flange for detachably securing it to the first said fitting externally and independently of said tank, said fittings together forming between the ends thereof a continuous passageway from the interior to the exterior of the tank, an annular valve seat projecting from one of said fittings into the passageway adjacent the tank wall, a valve stem extending longitudinally through the passageway from externally of the tank and terminating at its inner end opposite the valve seat, a valve member secured to the said inner end of the stem and movable therewith into engagement with the valve seat for closing the said passageway, and a pipe connection on the said end of the fitting within the tank whereby liquid may be conveyed from the tank up part of said passageway to the valve seat for discharge through the remaining portion of said passageway when the valve member is disengaged from said seat.

2,069,589

MACHINE FOR MANUFACTURING PAVEMENTS FROM VULCANIZABLE MATERIALS

Joel Meijling and Thure Magnusson, Gothenburg, Sweden, assignors to Kooperativa Förbundet, Förening U. P. A., Stockholm, Sweden, an association of Sweden

Application November 15, 1934, Serial No. 753,106
In Sweden November 17, 1933
5 Claims. (Cl. 18—6)



1. A machine for manufacturing pavements in the form of slabs, bands or mats for the covering of floors or the like from vulcanizable material such as rubber, cork-rubber mixture or the like, comprising two endless bands running together over a number of rotatably mounted drums, guiding members for leading said bands onto one of said drums, means for supplying said vulcanizable material in the form of a layer between said bands, heating means in one of the drums conditioning the same for vulcanizing the material between the bands during its passage over said drum, cooling means in a subsequent drum for cooling the vulcanized material between the bands, and means causing the material advanced between the bands to be subjected to pressure, said drums and guiding members being so relatively disposed and spaced with respect to each other that substantially the same pressure is continuously and without interruption maintained on the material during its transportation between the bands over the heated and cooled drums and between said drums.

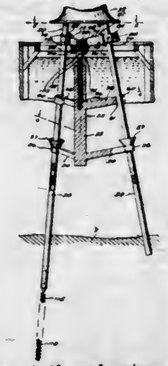
2,069,590

SUPPORT

Franz Julius Gerhard Neumann and Werner Rudolf Haubold, Houston, Tex., assignors to The Salt Dome Oil Corporation, Houston, Tex., a corporation of Delaware

Application December 3, 1934, Serial No. 755,739
18 Claims. (Cl. 248—163)

17. A device for bracing the legs of a tripod construction comprising a rigid member constructed with parts for engaging each leg of the tripod at least at two places and so as to resist spreading of the legs at one of said places and to resist approach of the legs toward each other at the other place, a second rigid member constructed so that it may be rigidly connected to each leg to hold the legs rigidly with respect to each other, and means for moving said rigid members relative to each other longitudinally of the legs, the parts which are for engagement of the legs respectively at one of said places being spaced transversely of the legs a greater distance than the spacing of the parts which are for engagement of the legs respectively at at least one other place thereon, whereby the parts for engaging the legs at the shorter spacing may act as a fulcrum for bowing the legs.

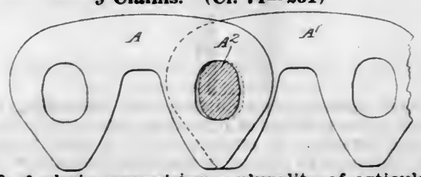


2,069,591

DRIVE CHAIN

Harold S. Pierce, Indianapolis, Ind., assignor to Link Belt Company, Chicago, Ill., a corporation of Illinois

Application April 27, 1931, Serial No. 533,146
9 Claims. (Cl. 74—251)



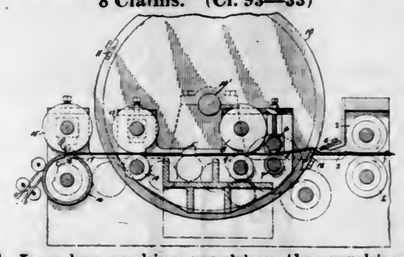
9. A chain comprising a plurality of articulating links apertured at their ends, the apertures on successive links being in line, a pivot pin passing through said apertures and joining the links to form a chain, the apertures being longer in a direction perpendicular to the chain than in a direction parallel with it, the ends of the apertures being rounded by cylindrical surfaces and joined by tangent surfaces, which tangent surfaces generally intersect the axis of the chain.

2,069,592

BAG MAKING MACHINE

Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York

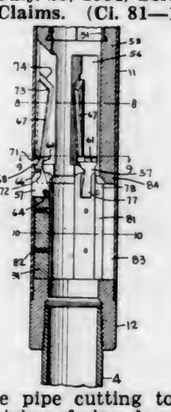
Application November 20, 1934, Serial No. 753,819
8 Claims. (Cl. 93—33)



4. In a bag making machine, the combination of forwarding rollers, pinch rollers for slowing the progress of the bag making material through the machine to provide a slack therein, a ring driven about an axis transverse to the direction of travel of the bag making material, striker bars carried by said ring and extending parallel to the axis of rotation of the ring, said ring being

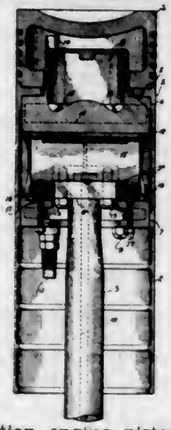
mounted off center with respect to the line of travel of said bag making material and being so timed with respect to the forwarding rollers and pinch rollers as to bring a striker bar into cooperative relation to the bag making material while there is a slack in the bag making material and while the striker bar is moving rearwardly as compared with the forward advance of the bag making material, successively to sever the bag making material into bag lengths.

2,069,593
OUTSIDE PIPE CUTTER
Dempson H. Reed, Houston, Tex.
Application July 26, 1934, Serial No. 737,007
9 Claims. (Cl. 81—189)



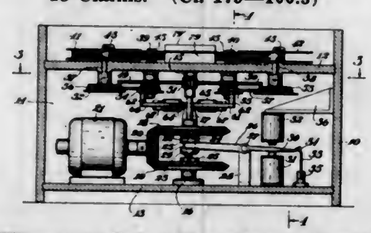
1. An outside pipe cutting tool including in combination a string of pipe, dogs mounted thereon and adapted to engage under a pipe collar upon the pipe to be cut, a mandrel responsive to the rotation of said tool to move vertically, cutters having sliding engagement with said mandrel and means on said mandrel engaging said cutters to move the said cutters into and out of contact with said pipe to be cut in response to the vertical movement of said mandrel in one direction.

2,069,594
ENGINE PISTON
Rudolph Schneider, St. Louis, Mo., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo., a corporation of Missouri
Application July 15, 1930, Serial No. 468,079
2 Claims. (Cl. 309—15)



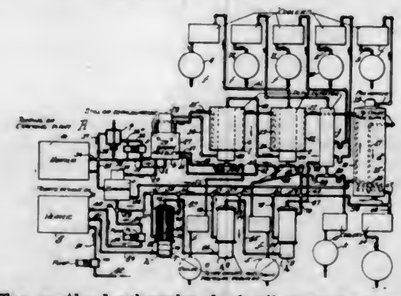
1. A combustion engine piston comprising a head, a separately formed trunk, a false trunk, and bolt means for attaching the trunk to the head and the false trunk to both of said parts, said false trunk having an annular bearing near its lower end upon the inner surface of the real trunk and formed with a bearing box and having a cylindrical piston-pin in said box, said box providing a substantially continuous bearing surface for the piston-pin against its top side and a divided bearing against its lower side and having its ends opening into a confined space formed between said real and false trunks above said annular bearing.

2,069,595
RECORDING AND REPRODUCING APPARATUS
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 30, 1929, Serial No. 351,240
18 Claims. (Cl. 179—100.3)



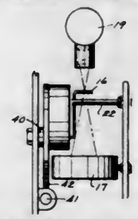
1. Film-controlled photo-electric mechanism having a movable shutter for changing the direction of light to the film, a source of light and photo-electric means operatively associated with the film and said shutter, which is mounted to move independently of said source of light, and means controlled by the film itself for automatically operating said shutter at a predetermined moment, said film-controlled means automatically resetting the shutter to initial position.

2,069,596
METHOD OF TREATING OIL
Albrecht von Groeling, Los Angeles, Calif.
Application January 29, 1930, Serial No. 424,254
1 Claim. (Cl. 196—62)



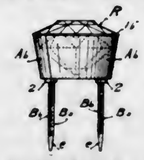
The method whereby fuel oil may be treated to produce more valuable hydrocarbon products, which consists in first fractionating a crude oil to remove the light weight constituents therefrom and leave a residue, treating the residue under a temperature of approximately 1000° F., more or less, and a pressure of 50 to 70 atmospheres, and at the same time injecting into said residue a fluid selected from the group comprising hydrogen and natural gas and adapted to combine with said residue, to form lower boiling hydrocarbons, and thereafter passing the products of the thus treated residue through a series of temperature and pressure reducing stages, correlating the temperature and pressure in each stage so that the heavier portions of treated residue products do not vaporize therein, and in the last stage vaporizing the lower boiling hydrocarbon product of the treated residue.

2,069,597
METHOD AND APPARATUS FOR CONTROLLING ARC LAMPS
Russell E. Wilson, Cleveland, Ohio
Application October 9, 1933, Serial No. 692,855
6 Claims. (Cl. 176—73)



1. An apparatus for controlling the position of the electrodes in an arc lamp comprising in combination, an electric motor for feeding the electrodes, an ammeter in circuit with the electrodes and having a pointer, and a photo-electric detection device actuated by movement of the pointer for operating said motor to maintain a feeding rate that is substantially synchronized with the burning rate of the electrodes.

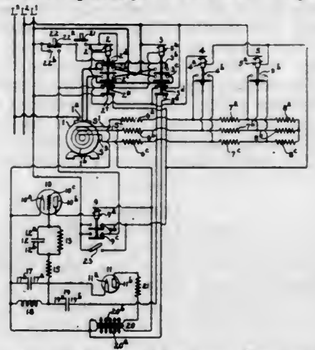
2,069,598
SETTING DEVICE FOR A PRECIOUS STONE OR THE LIKE
Salomon (dit Charles) Arpels, Paris, France, assignor to Société Van Cleef & Arpels, Paris, France, a corporation of France
Application March 12, 1936, Serial No. 68,518
In France October 30, 1935
12 Claims. (Cl. 63—29)



1. A setting device for a precious stone or the like which comprises, in combination, a ring-shaped body of suitable shape corresponding to the shape of the stone, lugs carried by the upper edge of said body, stems carried by the lower edge of said body, the whole of the body and the stems being divided into respective portions by slits passing through the axes of said stems respectively, and means for bringing the two parts of each stem toward each other, whereby the respective portions of the body are brought toward one another.

2,069,599
CIRCUIT CONTROLLER
Glendon C. Brown, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Original application June 15, 1931, Serial No. 544,348, now Patent No. 1,983,656, dated December 11, 1934. Divided and this application March 23, 1934, Serial No. 716,981
7 Claims. (Cl. 250—27)

1. In combination, an alternating current source of variable frequency, a gaseous discharge tube having a cathode, an anode and a grid, means to connect said cathode and anode in circuit with said source and to pass current therebetween when the frequency of said source is approximately equal to a given frequency and to terminate such passage when the frequency of



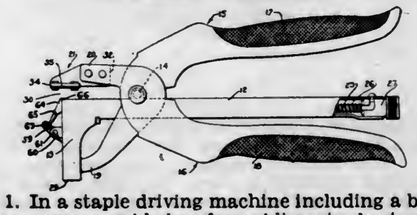
said source is below said given frequency, said means including an oscillating circuit adapted to oscillate at said given frequency and connected to said source, and a connection between said oscillating circuit and said grid to impress upon the latter an oscillating voltage induced in said latter circuit.

2,069,600
SEMI-TRANSPARENT SHOWER CURTAIN
Albert Coleman, New York, N. Y.
Application June 11, 1936, Serial No. 84,609
6 Claims. (Cl. 4—154)



5. In a semi-transparent shower curtain, semi-transparent silk sheet material having a top portion bent downwards, a strip attached to the edge of said top portion and extended upwards beneath the top portion, a reinforcement strip of material encased between said upward extending strip and said downturned portion, and removable eyelets engaged through said downturned portion, the reinforcement strip, the upturned strip and said sheet material, said removable eyelets, comprising a flanged tubular portion threadedly engaging another flange.

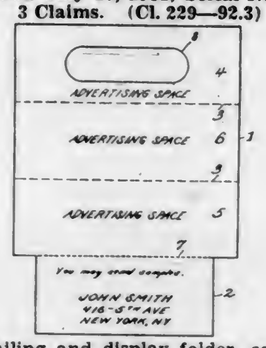
2,069,601
ART OF STAPLING
Frank R. Curtiss, New Haven, Conn.
Application Dec. 19, 1933, Serial No. 703,032
14 Claims. (Cl. 1—49)



1. In a staple driving machine including a base, a raceway, a guide bar for guiding staples to said raceway and a plunger for driving staples through the raceway, an anvil against which staples driven through said raceway may be clinched,

said anvil including a needle extending transversely of and supported by the base and having a sharpened portion laterally beyond one side thereof for ready penetration of a material on lateral movement of the base and adapted to be inserted through a piece of material to turn the end of a staple at the under side of the material to clinch the staple, a backing up member carried by the machine and against which said needle may be forced in the clinching operation, and an extension on said backing up member and comprising a guide and guard member extending along one side of the sharpened portion of the needle laterally of the base and limiting the distance the needle may casually penetrate.

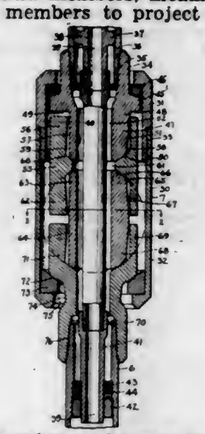
2,069,602
MAILING FOLDER
Emanuel Davis, Brooklyn, N. Y., assignor to Correct Printing Company, Inc., New York, N. Y.
Application July 17, 1931, Serial No. 551,526
3 Claims. (Cl. 229—92.3)



1. A mailing and display folder, consisting of four sections and comprising a foldable rectangular section having a large central portion thereof removed to form a window opening or hole therein at the upper end of the folder when unfolded, a second foldable section at its other end of about the same height as said first rectangular section but of substantially less width than said first rectangular section, two intermediate foldable sections of substantially the same height as said first section connecting the end sections, said mailing folder when unfolded having a front side and a back side, the front sides of said two intermediate sections constituting a space for the reception of printed matter, the front side of said second foldable end section having a blank portion located in such a position as to match and be visible through said opening or hole when the sections are folded together, and said opening or hole remaining uncovered and exposing said blank portion after the folder has been folded, so that the recipient's name and address may be applied through said opening or hole to said blank portion, and the back side of said second section bearing the name and address of that party who mailed the folder out.

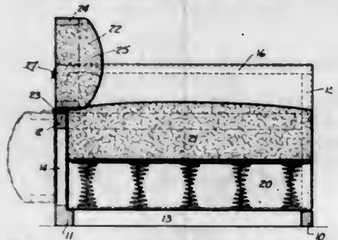
2,069,603
MEANS OF STRAIGHTENING WELL BORES
Moye G. Earley, Houston, Tex., assignor to J. S. Abercrombie Company, a corporation
Original application June 25, 1931, Serial No. 546,766. Divided and this application June 1, 1934, Serial No. 728,543
2 Claims. (Cl. 255—28)

1. A coupling for drill stems including a plurality of relatively tiltable interfitting members adapted to transmit rotation to each other, a housing for said members, means to connect a pipe to said members to project from opposite



ends of said housing, and means to conduct liquid through said members including a flexible tube extending therethrough.

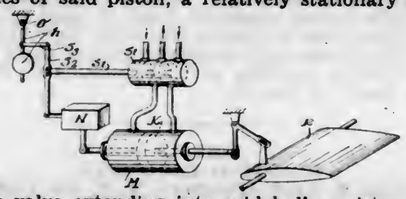
2,069,604
BED
Marguerite Elliman, New York, N. Y.
Application May 29, 1935, Serial No. 24,039
3 Claims. (Cl. 5—59)



1. A bed comprising a frame having interconnected back, end and bottom portions, the end portions extending above the back portion, the frame being open at the front above the bottom thereof, a bed spring and mattress supported in the lower portion of the frame, the upper face of the mattress extending up to the level of the top of the back portion whereby the end portions of the frame extend above the upper face of the mattress to form arm rests, the front of the bed being free of obstructions, a back rest pivotally secured to the frame to swing about an axis substantially level with the top of the mattress and hang vertically downward alongside the back portion of the frame, and means to hold the back rest at raised position, the back rest being padded and extending forwardly to overlie the rear of the mattress.

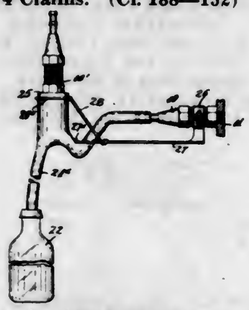
2,069,605
CONTROL ARRANGEMENT FOR MOTORS, PARTICULARLY RUDDER MOTORS
Eduard Fischel, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 7, 1933, Serial No. 688,536
In Germany January 4, 1933
3 Claims. (Cl. 121—41)

1. The combination of a control member, a motor, a control device for said motor, connections from said control member to said control device and said motor, a fluid cylinder, a hollow piston movable therein, said cylinder and piston being located in the connection between said control member and said motor, a channel in said piston open to said cylinder on opposite sides of said piston, a relatively stationary pis-



ton valve extending into said hollow piston for controlling said channel whereby said piston and cylinder are fixed against relative movement and permitted to move relatively to each other, and a spring bearing against said hollow piston and tending to maintain the same in its zero position and to return it thereto.

2,069,606
DEVICE FOR BLEEDING HYDRAULIC BRAKES
Louis Gary and James V. Sabella, New York, N. Y., assignors to Solo Automotive Manufacturing Company, Inc., New York, N. Y.
Application April 17, 1936, Serial No. 74,997
4 Claims. (Cl. 188—152)

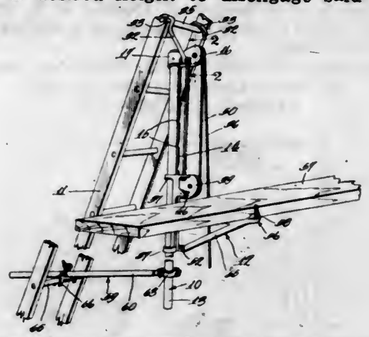


1. A device for bleeding hydraulic brakes for vehicles, comprising a bleeder connection of a hydraulic brake system a hollow body adapted to be mounted on said bleeder connection, a pipe line connected with said body for discharging into a receiving receptacle, a one way valve on said body for preventing air from being drawn in through said pipe line, and an air valve associated with said pipe line to permit the escape of air which may filter out from the fluid to the atmosphere.

2,069,607
SCAFFOLDING DEVICE
William C. Gaw, East Cleveland, Ohio
Application July 14, 1934, Serial No. 735,239
14 Claims. (Cl. 304—31)

1. A scaffolding device, comprising: an elongated member, having one end adapted to be supported from a ladder, its other end depending from said support; means disposed adjacent said one end of said member and provided with abutments; attaching arms, rotatably and tiltably mounted on said means, rotatable in one plane, and tiltable in a plane substantially at right angles to said rotatable plane, said arms, when tilted being engageable with said abutments, so that they are held from rotating, and

said arms being moved in said tiltable plane by engagement with a portion of said ladder adjacent a desired height to disengage said abut-



ments and rotate to engage the side rails of said ladder; and supporting means movably mounted upon said member, and adapted to carry a platform.

2,069,608
SCISSORS SHARPENER
Grant Hammond, New Haven, Conn.
Application August 29, 1934, Serial No. 741,925
3 Claims. (Cl. 76—82.2)



1. A scissors sharpener including a base, a finger piece carried by one side of the base and adapted to be held between the thumb and finger and a longitudinally corrugated sharpening member oval shaped in cross section projecting from the opposite side of the base, the finger piece being loosely held between the thumb and finger whereby the oval shaped sharpening member is substantially free to present itself to varying beveled cutting edges of scissors blades.

2,069,609
CONTAINER LABEL
Roy E. Hanson, Wauwatosa, Wis., assignor to Milprint Products Corporation, Milwaukee, Wis., a corporation of Delaware
Application October 1, 1934, Serial No. 746,335
3 Claims. (Cl. 40—2)



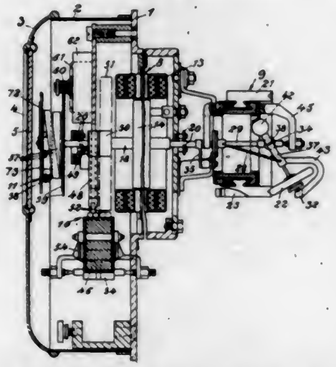
1. An attractive and ornamental merchandising package, comprising, a container having a preformed rigid wall provided with a smooth and shiny external light-reflective surface, and a label of highly translucent sheet material having relatively less translucent areas, said label being confined in snug engagement with said wall whereby light rays are reflected outwardly by the shiny surface through the label to produce a satiny appearance at the highly translucent area and to give the visual impression that said less translucent areas are applied directly to the container surface.

2,069,610

DIRECT ACTING ELECTRIC REGULATOR

Ernest Juillard, Lausanne, Switzerland, assignor of one-half to Ateliers H. Cuenod S. A., Chatelaine, near Geneva, Switzerland, a corporation of Switzerland

Application October 9, 1933, Serial No. 692,801
In Switzerland November 23, 1932
5 Claims. (Cl. 200—153)



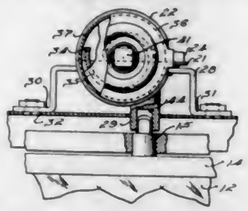
1. A direct-acting electric regulator, the regulating device of which for the magnitude to be regulated comprises at least one roller and a contact track comprising a plurality of spaced contact points and having a groove in the form of at least a portion of an arch therein and having an axis, the roller having an edge, said edge being movable along said groove in the contact track, the edge of the roller and the groove having cross sections so mutually shaped that in any position they are in contact in only two points, each roller turning about an axis inclined relatively to the contact track and constituting the geometrical axis of a truncated cone, said cone having an apex, the apex of said cone being situated at the intersection of the axis of the contact track and of the line passing through the two points of contact of the roller with the groove.

2,069,611

WINDOW REGULATING DEVICE

Henry C. Kestel, Toledo, Ohio, assignor to The Myers Regulator Company, Toledo, Ohio, a corporation of Ohio

Application January 4, 1934, Serial No. 705,183
1 Claim. (Cl. 268—117)



A wall having an opening, a window mounted to slide vertically in said opening, down to expose it and up to close it, the window being mounted to swing on a vertical axis, mechanism mounted in the wall above the upper edge of the opening, the window and the mechanism having mating coupling parts at the upper edge of the opening so formed that rotation of the coupling part of the mechanism may cause rotation of the coupling part of the window and so formed that when the window is raised its upper edge automatically couples to the mechanism so that it may be rotated upon rotation of the coupling part of the mechanism and so formed that when the window is lowered the coupling is automatically disengaged, the mechanism including a rotatable handle accessible from in front of the wall and from a direction transverse to the plane of the window and operatively connected to the mechanism coupling part for rotating it when the handle is rotated.

2,069,612

BLASTING EXPLOSIVE

William E. Kirst, Woodbury, N. J., and Clifford A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 29, 1934, Serial No. 759,765
13 Claims. (Cl. 102—1)

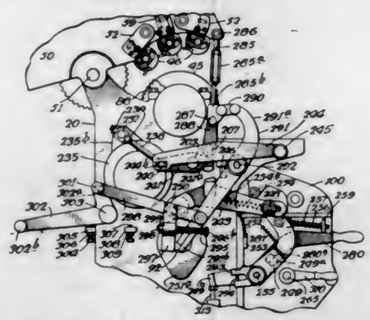
1. An ammonium nitrate blasting explosive charge characterized by high blasting strength and relatively high density, comprising a blend of relatively coarse and relatively fine particles of ammonium nitrate and a sensitizing agent, said fine particles filling a substantial proportion of the voids caused by the coarse particles.

2,069,613

CYLINDER SEPARATING MECHANISM FOR PRINTING PRESSES

Alexander T. Koppe, New York, N. Y., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware

Application February 17, 1934, Serial No. 711,776
13 Claims. (Cl. 101—247)



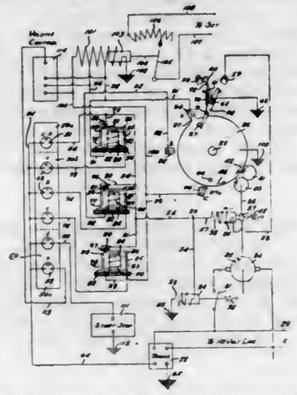
11. The combination in a printing press, of a plurality of cylinders, means for feeding paper sheets to one of said cylinders, inking means for supplying ink to another of said cylinders, means comprising a lever for effecting relative movement of said inking means and the cylinder supplied thereby, a latch for normally holding said inking means in operative position with respect to its cylinder, means for automatically actuating said lever to separate said inking means and the cylinder supplied thereby when said lever is released by said latch, means actuated by the failure of said feeding means to feed a paper sheet to said first named cylinder for separating said cylinders and releasing said latch, a manually operated bell crank lever, a link connecting one arm of said bell crank lever with said first named lever, and a stop for positioning said arm of said bell crank lever in substantial alignment with said link to prevent actuation of said first named lever when it is released by said latch.

2,069,614

REMOTE CONTROL CIRCUIT

Russell C. Lane, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application July 11, 1931, Serial No. 550,179
6 Claims. (Cl. 250—20)



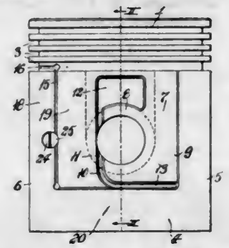
4. A radio receiver having in combination a rotary tuning element, a motor drive therefor, means for rendering the drive operative to adjust the element to a desired station position, means for automatically rendering the motor inoperative when the element is adjusted to said position, a volume control device including a rheostat arm, an electrical adjusting means for the volume device including a magnet winding and a movable armature connected to said rheostat arm, and means for automatically rendering the volume adjusting means operative to adjust the volume of the receiver to a predetermined level as soon as the said motor is rendered operative.

2,069,615

PISTON FOR INTERNAL COMBUSTION MOTORS

Elmer C. Long, Grosse Pointe Park, Mich.

Application May 4, 1933, Serial No. 669,316
13 Claims. (Cl. 309—11)



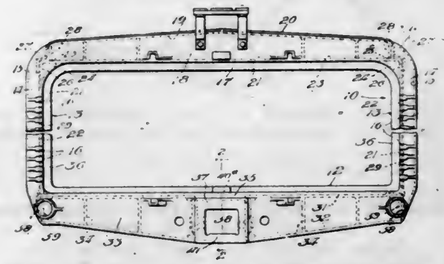
1. A piston comprising a head, a skirt having opposing thrust sides and pin bosses, said skirt being separated from the head on one of its thrust sides, supporting members extending from one thrust side to the other, and legs formed in the skirt wall and being free from engagement with said pin bosses and depending from the head for the support of said separated thrust side.

2,069,616

CAR END STRUCTURE

Mark H. Martin, Reading, Pa., assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa., a corporation of Pennsylvania

Application November 11, 1932, Serial No. 642,204
2 Claims. (Cl. 105—403)



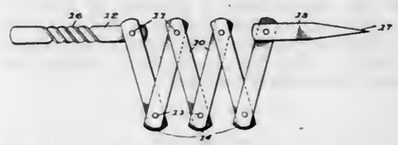
1. In car construction, the combination of a pair of spaced draft sills, each having an elongated slot in the vertical web thereof and a laterally directed flange including a slot adjacent its upper edge, and a car end structure formed as a one-piece casting comprising an end sill, uprights at the ends of said sill for attachment to the side sheets, cheek plates integral with said sill for attachment to the draft sills, each plate including a pair of aligned slots for receiving the draft keys of an associated draft gear, and each of said aligned slots being defined by a marginal flange extending laterally of the associated cheek plates for fitting within the slots of said draft sills, and a flange connecting said cheek plates through the slots in the sill flanges and adapted for attachment to the cover plate for the draft sills.

2,069,617

HAND GRILL

Livio Maurizi, Trenton, N. J.

Application July 28, 1936, Serial No. 93,105
1 Claim. (Cl. 294—61)



In a device of the class described, a series of flat metallic bars pivotally joined together end to end comprising a pointed bar at one end of the series adapted to impale food articles, fastening means comprising rivets for joining adjacent bars with sufficient tightness to effect a self-sustaining assembly while permitting adjustment thereof to vary the length of the assembly, and tapered ends on said metallic bars at said rivets for permitting the easy passage of the food articles thereover.

2,069,618

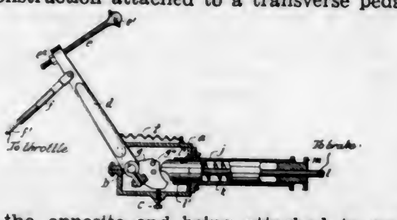
COMBINED FOOT BRAKE AND ACCELERATOR CONTROL FOR MOTOR VEHICLES

James Algernon Dietrichsen McLean, Hampstead Gardens, Australia

Application August 19, 1935, Serial No. 36,755
In Australia May 3, 1935
4 Claims. (Cl. 192—3)

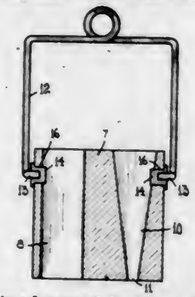
4. In a combined foot brake and accelerator control for motor vehicles, a connecting link piv-

otally mounted at one end upon a lever of cam like construction attached to a transverse pedal



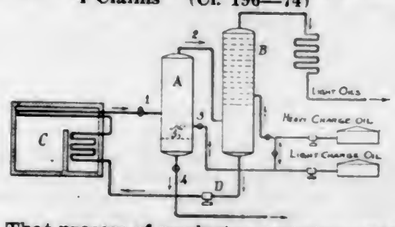
shaft, the opposite end being attached to and adapted to operate a sliding brake rod and piston.

2,069,619
COMBINED PENCIL HOLDER, SHARPENER, AND ADVERTISING DEVICE
Jacob Mendelson, Council Bluffs, Iowa
Application March 23, 1936, Serial No. 70,384
2 Claims. (Cl. 120—93)



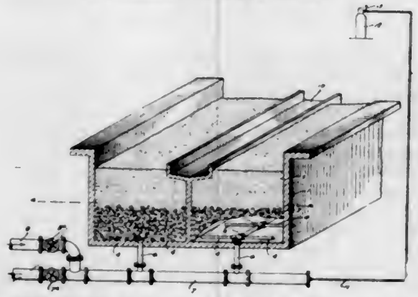
1. In a combined pencil holder, sharpener, and advertising device, a body-member having an aperture opening on its top and bottom for receiving a pencil, a second aperture parallel with the first named aperture opening on the top of said body for receiving a second pencil and provided with a sharpening element, a pair of cylindrical detent-members slidably mounted in said body, an elastic holder element of inverted U-shape engaging and arranged for pressing the detent-members into engagement with said pencils, and a cover for said holder element adapted to bear advertising indicia.

2,069,620
METHOD FOR MANUFACTURING RESIDUAL OILS OF HIGH ASPHALTIC CONTENT
Henry G. Nevitt, Kansas City, Mo., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application June 16, 1932, Serial No. 617,529
4 Claims (Cl. 196—74)



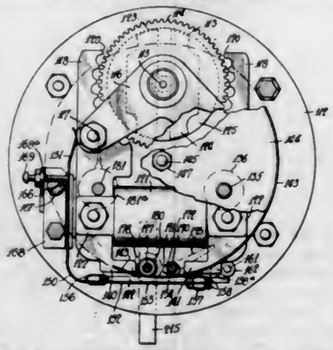
4. That process of producing asphaltic residual oil which comprises establishing a stream of heated oil, a portion of which consists of partially polymerized oil and a further portion of which consists of completely polymerized oil, vaporizing said stream at such pressure and temperature that said completely polymerized oil remains liquid, all other portions including said partially polymerized oil being vaporous, said temperature and pressure being insufficiently high to cause gasoline formation but high enough to cause detrimental decomposition of said residue if continued, reducing the temperature of said residue to avoid such decomposition by introducing to the vaporizer a second oil, capable of being substantially vaporized at the temperature of said first vaporization, protecting said second oil from substantial contact with the vapors of said first vaporization, allowing said second oil to vaporize while in contact with said residue, admixing and simultaneously removing vapors from both vaporizations, diluting said residue with a predetermined unvaporized portion of said second oil, and removing as a residue an oil having at least 60–70 percent of 100 penetration asphalt and low in content of material insoluble in carbon bisulphide.

2,069,621
METHOD OF CLEANING SAND FILTERS AND APPURTENANCES
Julian G. Patrick, Western Port, Md., assignor to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application December 7, 1935, Serial No. 53,330
4 Claims. (Cl. 210—130)



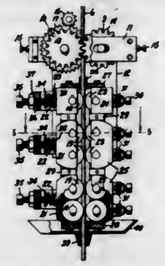
1. The method of removing deposits containing hydrated manganese oxide in water treating and distributing systems which consists in treating said deposits with a dilute aqueous solution of SO_2.

2,069,622
TIMEPIECE
David Perlman, New York, N. Y.
Application January 28, 1932, Serial No. 589,390
6 Claims. (Cl. 177—7)



6. In an alarm mechanism, a bell, a vibratile hammer adapted to strike said bell, means for vibrating said hammer, a combined sound deadening means for said bell and amplitude regulating means for said hammer, and a unitary actuating organ therefor, said sound deadening means and amplitude regulating means being designed and disposed relatively to said actuating organ to effect a successive gradual muffling and decrease of intensity of the sound of said bell by the operation of said organ.

2,069,623
ARC WELDING
Lionel G. Pickhaver and William W. Worley, Jr., Chicago, Ill, assignors to General Electric Company, a corporation of New York
Application May 17, 1932, Serial No. 611,858
13 Claims. (Cl. 219—8)



1. Arc welding apparatus comprising means for feeding a coated electrode, a cutting roll, a current collecting roll, means for forcing said rolls into successive longitudinal engagement with said electrode with said collecting roll in the longitudinal cut produced by said cutting roll, and means for connecting a source of welding current to said current collecting roll.

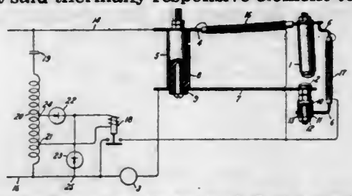
11. In electric arc welding apparatus, a contact device comprising a plurality of vertically spaced roller chambers, a pair of rollers in each of said chambers, and means for uninterruptedly urging said rollers toward each other.

2,069,624
PRODUCTION OF ISOBUTYLENE AND TERTIARY BUTYL CHLORIDE
Carl F. Prutton, Cleveland, Ohio, and Walter E. Roush, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 9, 1934, Serial No. 724,822
4 Claims. (Cl. 260—170)

1. The method which comprises passing isobutane through a body of activated charcoal while maintaining the latter at a temperature substantially above 500° and not exceeding 600° C.

2,069,625
CONTROL DEVICE
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 17, 1935, Serial No. 21,968
7 Claims. (Cl. 200—122)

1. In combination, a control element reciprocally operable between two positions, means including a thermally responsive element for moving said element from the second to the first of said positions when said thermally responsive element is heated for a predetermined interval, a second thermally responsive element for restraining said first thermally responsive element in said first position, said second thermally responsive element being movable when heated for an interval shorter than said first interval to permit said thermally responsive element to move



said control element from said first to said second position, and means for preventing substantial variations in the heating intervals necessary to effect such movements of said control element during ambient temperature changes.

2,069,626
LUBRICANT COMPOUND
Theodore G. Roehner, Malverne, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application July 3, 1934, Serial No. 733,609
2 Claims. (Cl. 87—9)

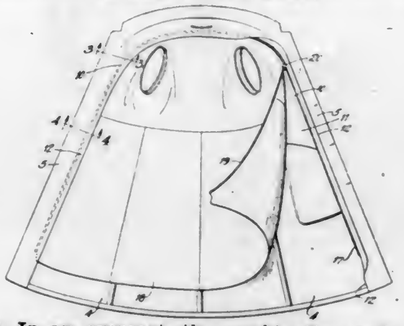
1. An oil composition for application to metal surfaces to protect them from corrosion incidental to handling, inspection, or normal exposure, by forming a coating notably resistant to displacement by moisture, comprising a mineral oil distillate, petrolatum, and pine fatty acids.

2,069,627
TUNING CONTROL
Paul J. Schwarzhaupt, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 21, 1935, Serial No. 50,908
2 Claims. (Cl. 74—10)



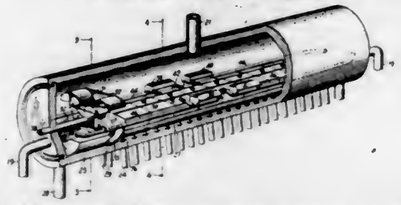
1. In a tuning device, the combination comprising a stationary member, a control shaft supported thereby, a track concentric to said shaft mounted on said stationary member, a plurality of positioning devices movably mounted on said track, a positioning plate having a plurality of notches circumferentially located on one face thereof mounted on said shaft, means for locking said positioning devices at predetermined positions on said track and spring biased means on each of said positioning devices for registering with one of said notches at different angular positions of said shaft.

2,069,628
OVERCOAT
Conrad B. Shane, Wilmette, Ill., assignor to C. B. Shane Corporation, Chicago, Ill., a corporation of Illinois
Application February 11, 1936, Serial No. 63,382
3 Claims. (Cl. 2—97)



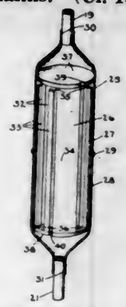
1. In an overcoat, the combination with two fabric fronts having associated facings extending up from points adjacent the garment bottom and around the shoulders, the inner edge portion of the facing being free whereby to provide a flap, a row of hook fasteners secured beneath the flap and extending continuously therewith from a point adjacent the bottom of one facing, up across the shoulders, and back again to a point adjacent the bottom of the other facing, canvas fronts between the fabric fronts and facings, each extending from a line adjacent the shoulder downwardly well toward the bottom of the associated facing, a line of stitching connecting each canvas front to the proximate fabric front and facing along its top edge, another line of stitching connecting each canvas front only to the facing parallel to the inner edge of the flap, a lining upon the inside of the coat having its edges adjacent the row of hook fasteners and itself provided with a complementary row of hook fasteners, and a slide fastener operable to removably join both rows of hook fasteners whereby to secure the lining in place.

2,069,629
MERCURY BOILER
Arthur R. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 21, 1934, Serial No. 744,936
4 Claims. (Cl. 122—318)



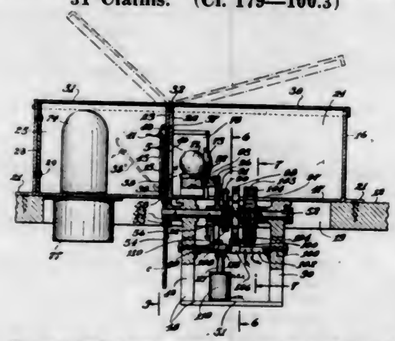
1. A mercury boiler using a mixture of mercury and another substance as operating fluid including a drum, heating elements connected to the drum for containing and heating operating fluid, means for conducting mercury to one portion of the space defined within the drum, and means for conveying operating fluid between said portion and another portion during operation to maintain the mixture uniform, said means comprising at least two scuppers having troughs disposed at different levels in one of said portions for receiving liquid discharged from the heating elements to a level above the normal liquid level by the action of ebullition and discharge conduit means for the troughs having one end connected to the troughs and another end disposed in the other of said portions whereby the energy of ebullition is utilized for conveying liquid from one point of the drum to another point.

2,069,630
FLOW CONTROLLING DEVICE FOR REFRIGERATING SYSTEMS
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 24, 1935, Serial No. 46,499
8 Claims. (Cl. 138—42)



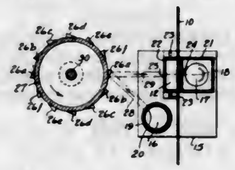
1. A flow controlling device for controlling the flow of refrigerant between the high and low pressure sides of a refrigerating system, comprising a tubular casing having an inlet and an outlet, and means including a plug provided with a plurality of narrow grooves in the surface thereof and co-operating with said tubular casing for providing a sinuous flow controlling refrigerant passage between said inlet and said outlet and through said grooves in said series of sufficient length and sinuosity as compared with its cross-section area substantially to prevent the flow of vaporized refrigerant therethrough while permitting a quantity of liquid refrigerant to flow therethrough required by the capacity of the system at the lowest pressure difference between the high and low pressure sides of the system.

2,069,631
APPARATUS FOR RECORDING AND REPRODUCING SOUND
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 10, 1929, Serial No. 398,675
31 Claims. (Cl. 179—100.3)



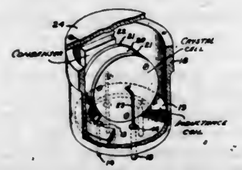
1. In optical apparatus utilizing a film which has a plurality of record tracks, a rotary member having a plurality of light apertures movable in an endless path, means whereby only one track can be exposed to said apertures at a time, each aperture being arranged in operative relation to one of said tracks, means for positively locking said member in each operative position, an electromagnetic device for operating said member, and connections whereby said device when energized actuates said locking means to releasing position before operating said member.

2,069,632
OPTICAL SOUND-REPRODUCING APPARATUS
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 3, 1931, Serial No. 519,789
27 Claims. (Cl. 179—100.3)



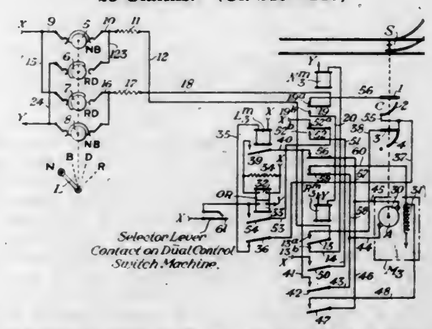
1. The combination of a sound film having a plurality of sound tracks and movable in an optical field, and light-reflecting mechanism for shifting the light laterally of the film, said mechanism including a pivoted optical member and means for turning said member through a plurality of different predetermined angles to reflect light through any sound track.

2,069,633
FREQUENCY DETERMINING UNIT FOR PIEZOELECTRIC CRYSTAL CONTROLLING OSCILLATORS
Augustus B. Tripp, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1935, Serial No. 46,795
6 Claims. (Cl. 250—36)



1. A piezoelectric crystal controlled oscillator circuit including an electron discharge device, a piezoelectric crystal and a tuned output circuit arranged to be connected therein, said crystal being mounted in a crystal cell having metallic electrode members, said output circuit including an inductance coil, socket contact terminals connected in said oscillator circuit for receiving the terminals of said output circuit and said piezoelectric crystal, a separable attachment plug including a body provided with connectors for engaging said contact terminals, said inductance coil and said crystal cell being mounted on said attachment plug, means utilizing said metallic electrode members to tune said coil to a frequency suitable for operation of said crystal, and means connecting the terminals of said inductance coil and the terminals of said piezoelectric crystal to said connectors.

2,069,634
APPARATUS FOR CONTROLLING RAILWAY SWITCHES
James J. Vanhorn, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 17, 1934, Serial No. 706,992
Renewed September 4, 1935
25 Claims. (Cl. 246—140)



20. In combination, a railway track switch, a normal and a reverse magnet and also a lock magnet for said switch, manually controllable means controlled by said reverse magnet in the deenergized condition for at times energizing said normal magnet and controlled by said normal magnet in the deenergized condition for at other times energizing said reverse magnet, a first contact controlled by said switch and arranged to be closed whenever said switch is in its normal position or in any intermediate position but arranged to be open when said switch is in its reverse position, a second contact controlled by said switch and arranged to be closed whenever said switch is in its reverse position or in any intermediate position but arranged to be open when said switch is in its normal position, a normal circuit controlled by said second contact and by said manually controllable means for energizing said lock magnet if said manually controllable means is in the condition for energizing said normal magnet, a reverse circuit controlled by said first contact and by said manually controllable means for energizing said lock magnet if said manually controllable means is in the condition for energizing said reverse magnet, and means controlled by said normal and reverse magnets when energized for operating said switch to its normal and reverse positions respectively if said lock magnet is also energized.

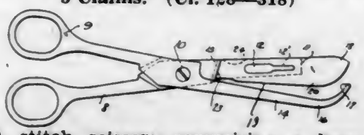
2,069,635
SHOE CABINET
Everett Lorne Whenham, Los Angeles, Calif.
Application February 10, 1931, Serial No. 514,758
1 Claim. (Cl. 211—35)



In a means of the class described, an enclosure, rods extending between the opposite side walls of the enclosure, the ends of the rods abutting against the inner sides of the side walls, and a staple secured to each end of said rods, the pointed portions of the staples extending beyond the ends of the rods and through correspondingly spaced apart holes in the opposite sides of the enclosure, said pointed portions being bent

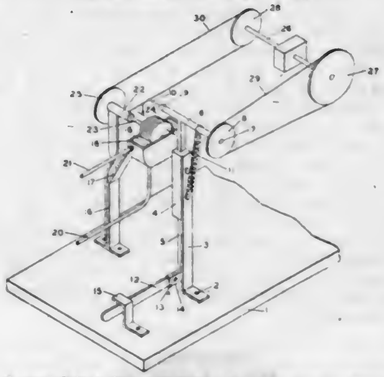
against the outer sides of said side walls, said rods forming compression and tension members between the opposed side walls.

2,069,636
STITCH SCISSORS
Fredric L. Wilson, Stuart, Nebr.
Application January 24, 1936, Serial No. 60,613
5 Claims. (Cl. 128—318)



1. A stitch scissors comprising a lever-arm having an end-portion provided with a ledge, a groove in the ledge and an anchor-lug, a second lever-arm pivotally attached to the first named arm and having a sharp edge with a longitudinally curved end-portion with a cylindrical tapered terminal, and an attenuated blade having a sharp edge with a longitudinally curved end-portion conforming to the curvature of the end-portion of said second lever-arm and having an aperture conforming to the contour and adapted to receive the anchor-lug of the first named lever-arm, said groove receiving that end of the blade opposite its curved end-portion.

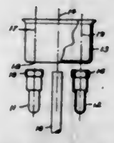
2,069,637
APPARATUS FOR MAKING ELECTRON-EMITTING CATHODES
Edward H. Wittich, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 26, 1935, Serial No. 13,107
10 Claims. (Cl. 91—51)



1. A machine for applying an electron-emissive coating to an electrode including a reservoir of coating material, a grooved roller partly immersed in said liquid, means for holding the electrode with its surface in proximity to said roller but spaced therefrom, and means for rotating said electrode and said roller at different rotational speeds to apply a uniform coating of said material to said electrode.

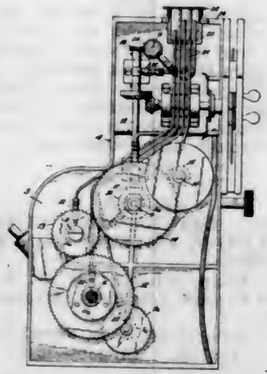
2,069,638
ELECTRIC LAMP OR SIMILAR DEVICE
Daniel K. Wright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application January 23, 1932, Serial No. 588,485
9 Claims. (Cl. 176—32)

4. An electric device comprising a bulb, a cup-shaped essentially all-glass body sealed to the neck of said bulb, a pair of outwardly extending metal terminal posts each sealed to the wall of an opening in said glass body and a mount supported within said bulb by said terminal posts and comprising an electric energy translation element



and rigid leads supporting said translation element, each lead being attached at its opposite end to one of said terminal posts, and said glass body having a sealed-off exhaust opening therethrough located between said terminal posts.

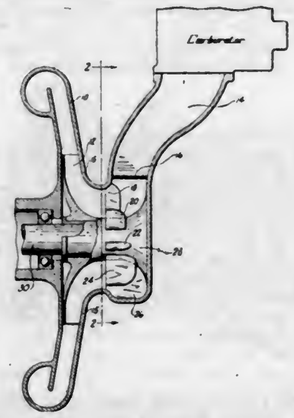
2,069,639
LUBRICATING SYSTEM
Lloyd J. Andres, Grand Rapids, Mich., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application May 14, 1934, Serial No. 725,469
6 Claims. (Cl. 184—6)



1. In a machine having a plurality of shaft bearings, a small oil reservoir mounted on each bearing and having a wick for supplying the oil to the bearing, a main reservoir having a capacity for supplying a sufficient quantity of oil to supply the bearings for a predetermined period of operation of the machine, and a pipe leading from each small reservoir to the main reservoir, the pipes opening into the main reservoir at different levels so that at each filling of the main reservoir each small reservoir is supplied with a part of the full capacity of the main reservoir in proportion to the relative lubrication requirements of its bearing.

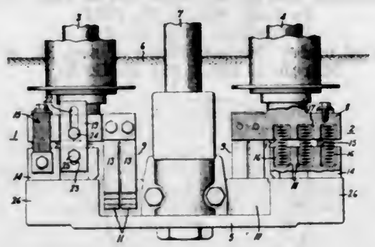
2,069,640
MIXTURE DISTRIBUTION VANE
Guy E. Beardsley, Jr., West Hartford, Conn., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application August 16, 1933, Serial No. 685,322
19 Claims. (Cl. 230—114)

1. In an engine intake conduit, a blower having an inlet, a shaft passing through said inlet, a conduit arranged substantially transverse to said shaft, and connecting with said blower inlet, a series of radial vanes arranged around said shaft in said conduit, succeeding vanes in the direction of flow of fluid in the conduit having a



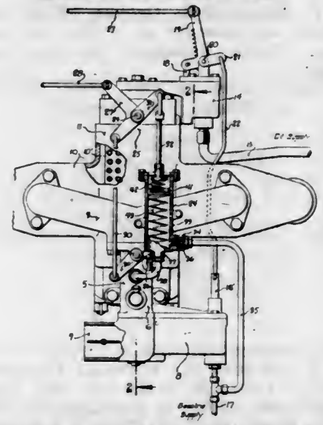
greater extent in an axial direction than preceding vanes.

2,069,641
ELECTRIC CIRCUIT INTERRUPTER
Ralph E. Bold, Lansdowne, Pa., Charles R. Brown, Schenectady, N. Y., and Leland S. Hobson, Yeadon, Pa., assignors to General Electric Company, a corporation of New York
Application July 26, 1934, Serial No. 737,064
2 Claims. (Cl. 200—146)



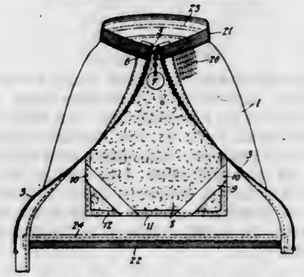
1. An electric circuit interrupter comprising a pair of fixed contacts, each of said contacts including an adapter, opposed finger contacts for carrying heavy currents connected to said adapter, and a comparatively massive arcing contact block mounted for lost motion with respect to said adapter and means including springs seated in recesses in said adapter and block contact resiliently biasing said butt contacts away from said adapter, and a movable bridging member for interconnecting said fixed contacts having a centrally positioned lift rod, wedge-shaped contact portions disposed at opposite sides of said lift rod for engaging said finger contacts, and block-like arcing butt contact portions likewise massive as compared with the current carrying contacts at the extremities of said bridging member for engaging the first-named block contacts, said first-named butt contacts and said block-like contact portions each having a heat dissipating surface comparable to or greater than that of one of said wedge-shaped contact portions, said resilient means maintaining said block contacts in engagement subsequent to separation of said finger and wedge contact portions.

2,069,642
CARBURETOR
Stephen F. Briggs, Chenequa, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application August 13, 1934, Serial No. 739,643
10 Claims. (Cl. 261—34)



1. In combination with a heavy oil carburetor for internal combustion engines having a throttle valve to control the supply of carbureted fuel mixture to the engine, means to supply vaporized oil and air mixture for normal steady running conditions of the engine, and means operable by the opening movement of the throttle valve to inject an auxiliary volatile liquid fuel into the engine during periods of acceleration to supplement the supply of heavy vaporized oil air mixture.

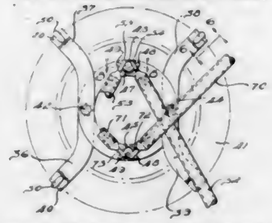
2,069,643
BEAUTY MITTEN
Wanda Burke, New York, N. Y.
Application March 17, 1936, Serial No. 69,266
1 Claim. (Cl. 128—165)



A device of the character described comprising a band portion having meeting edges permanently united at one end, means to connect and disconnect said meeting edges from the point of permanent connection to the opposite end to close and open said band portion to permit its application and removal, a moisture-proof panel permanently attached to the inner surface of the band portion, an absorbent pad positioned on said panel, straps secured to the edges of said panel at their opposite ends and extending diagonally across the corners thereof to hold said pad in position thereon, casings extending along the upper and lower edges of the panel parallel thereto and to each other and extending beyond the edges of the panel, and elastic straps of a con-

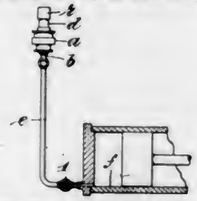
tracted length shorter than the length of said casings and secured therein at their opposite ends adjacent the ends thereof.

2,069,644
CAR LOADING DEVICE
Samuel D. Butterworth, Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company, a corporation of Michigan
Application August 14, 1931, Serial No. 557,055
16 Claims. (Cl. 105—368)



1. The combination with a freight car or the like, of a lazy tong for engaging the periphery of a tire on a vehicle in the car, said lazy tong having an open center to accommodate the hub cap of the wheel on which the tire is mounted.

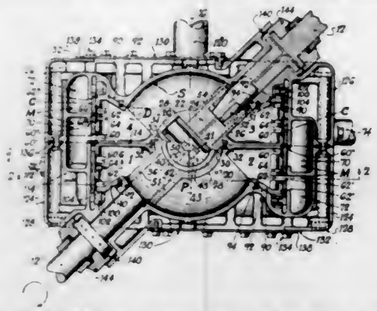
2,069,645
MEANS FOR DISCHARGING WATER FROM STEAM ENGINE CYLINDERS
Cornelius Ambrose Cardew, Wahroonga, near Sydney, Australia
Application April 17, 1935, Serial No. 16,898
In Australia April 21, 1934
1 Claim. (Cl. 121—134)



Means for discharging water from a steam engine cylinder, comprising a double area pop-off valve disposed in an elevated position with respect to the lowermost part of the engine cylinder, a pipe connected between said valve and said lowermost part of the cylinder and rising upwardly to provide a column between said cylinder and valve; and a Venturi throat formed by opposed conical flares in said column adjacent to and before the valve.

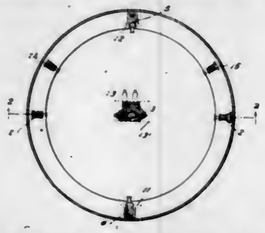
2,069,646
ROTARY ENGINE
William A. Cohen, Brooklyn, N. Y.
Application April 19, 1933, Serial No. 666,829
25 Claims. (Cl. 123—8)

6. A rotary internal combustion engine comprising a generally cylindrical casing having at its center a hollow working sphere, a circular driving plate rotatable within said sphere on an engine shaft extending diametrically of said plate, a rotatable drum crossing said sphere at an oblique angle with respect to the engine shaft to form expansion chambers, inlet, exhaust, and firing ports extending in an annular direction on the periphery thereof and communicating with the chambers, a valve cylinder having inlet, exhaust, and firing ports and immediately surrounding said drum, the outer portion of the casing being annularly partitioned to form central and outer annular manifolds the inner surfaces of which immediately surround the valve cylinder and are cut away to form passages registering with the



valve ports, firing means registrable with the firing ports, planet pinions secured to said valve cylinder, a stationary ring of gear teeth in said housing and meshing with said pinions, and a rotatable ring of gear teeth on the drum meshing with said pinions, whereby said valve cylinder is rotated at half the speed of the drum.

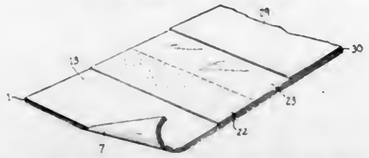
2,069,647
SYSTEM OF SCULPTURAL REPRODUCTION IN THREE DIMENSIONS BY MEANS OF INSTANTANEOUS PHOTOGRAPHY
Filiberto Sallier de La Tour, Palermo, Italy
Application March 25, 1935, Serial No. 12,914
In Italy March 24, 1934
13 Claims. (Cl. 41—25)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. The method of preparing templates for sculptural reproduction of objects by means of photography which comprises projecting a series of lines of illumination upon an object, and making an instantaneous, photographic exposure thereof from a position at right angles to the direction of the projection of said lines of illumination.

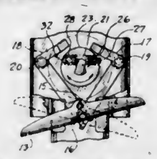
12. The method of preparing sculptural reproductions of objects by means of photography which comprises simultaneously projecting a series of lines of illumination upon diametrically opposite sides of the object to be reproduced, making simultaneous, instantaneous photographic exposures of said object from a direction at right angles to the axes of the lens of the projectors, preparing positives from said photographic exposures, reproducing the projected photographed lines from said positives upon a suitable template material to form patterns, and forming a sculptural reproduction of the object photographed upon said patterns.

2,069,648
PAPER AND METHOD OF MAKING
Peter F. Denner, Kalamazoo, Mich., assignor to Kalamazoo Paper Company, Kalamazoo, Mich.
Application February 10, 1936, Serial No. 63,182
9 Claims. (Cl. 91—68)



1. The method of making paper of the character set forth, comprising the steps of covering both sides of a web of paper with a base coating comprising a mixture of clay, casein and wax, covering said base coating on one side with a coating comprising a mixture of an oxidized metal broken down, casein and wax, polishing said second coating to provide a highly reflecting surface, and covering said reflecting surface with a moisture and grease repellent coating comprising a transparent material such as pyroxylin or cellulose.

2,069,649
DRAIN BOARD TILTING MECHANISM
Vernon E. Dunn, Fairfield, Iowa
Application December 22, 1933, Serial No. 703,512
12 Claims. (Cl. 68—32)



1. A device of the class described having in combination a drive shaft, a wringer roll shaft, a coupling member operatively connecting said shafts, one of said shafts being limitedly movable relative thereto, a tiltable drain board and mechanism co-operative between the same and one of the shafts to tilt the drain board when the latter shaft is moved relative to the coupling.

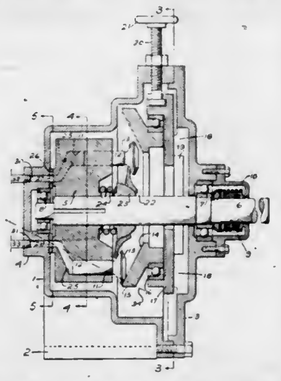
2,069,650
GOLF PRACTICE INDICATOR
August C. Engh, Yorkville, Ill.
Application September 7, 1933, Serial No. 688,447
1 Claim. (Cl. 273—35)

In a golf practice device, a target comprising a strip of rubberized fabric, said target projecting upwardly in position to be struck by a golf club, a vertically movable non-elastic operating element for controlling a distance indicator, an enlarged spherical segment shaped head on the upper end of said operating element, a yieldable bushing through which said operating element passes with its said head resting firmly against said bushing, a spherical segment shaped knob carried on the upper end of said target and positioned for striking the said head of said operating element when the target is struck by a golf club, said target being mounted on a bracket which is pivoted for movement about a vertical axis so that when said target is struck squarely by a golf club the said knob on the target will strike the said head of the operating element center to center and move same downward and when said target is struck at an angle by a golf club said target will move about the vertical pivot and consequently the said knob will strike



the said head off center thereby causing a shorter downward movement of the said operating element.

2,069,651
PUMP OR MOTOR
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 18, 1935, Serial No. 6,967
19 Claims. (Cl. 103—162)

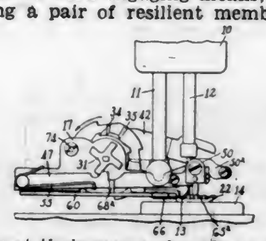


1. A pump, comprising a stationary valve member having intake and exhaust ports, a rotatable cylinder barrel having cylinders arranged therein in parallel to its axis of rotation and provided with ports to communicate with said intake and exhaust ports alternately as said cylinder barrel rotates, a cylindrical piston fitted in each cylinder and having a contact surface arranged upon its outer end at an angle to its axis and fixed for rotation with its inner part, and a rotatable thrust member restrained from movement along the axis of said cylinder barrel and provided with an internal substantially conical reaction surface engaging the contact surface on each piston upon a single spot which remains upon the same side of the piston axis in respect to the cylinder barrel axis throughout a complete revolution of said cylinder barrel, said thrust member causing said pistons to reciprocate and rotate in said cylinders and said contact surfaces to roll along said reaction surface during rotation of said cylinder barrel.

2,069,652
HEMSTITCHING ATTACHMENT FOR SEWING MACHINES
George L. Hinman, New Haven, and Clifford J. Word, Milford, Conn., assignors to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application December 26, 1934, Serial No. 759,146
34 Claims. (Cl. 112—160)

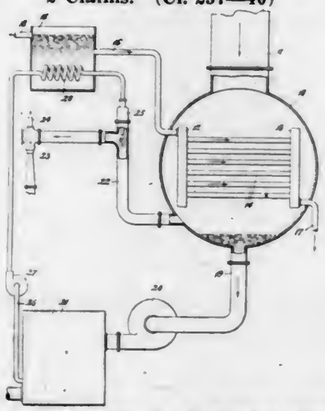
1. A hemstitching attachment for sewing machines including a feed bar adapted to engage and move the work, said feed bar being provided

with resilient work-engaging means, said means comprising a pair of resilient members secured



to the bar at their rear ends only and projecting forwardly therefrom.

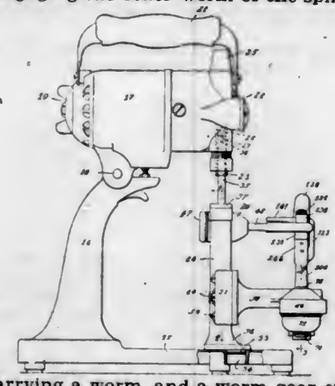
2,069,653
SURFACE TYPE CONDENSER ARRANGEMENT
Paul Hösel, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application September 15, 1934, Serial No. 744,188
In Germany December 19, 1933
2 Claims. (Cl. 257—40)



1. The combination of a surface type condenser for condensing vapor containing air and other non-condensables, means for delivering cooling medium to the condenser, means including a conduit having an upright portion with a lower portion connected to the condenser and means connected to said conduit for removing non-condensables from the condenser, and means including a pump, a cooling element and a nozzle connected to the conduit for spraying cooled condensate into the conduit to remove vapor from non-condensables in said conduit whereby the vapor is condensed in said conduit and returned together with the injected condensate directly to the condenser.

2,069,654
VEGETABLE PEELER
Ivar Jeppsson, Chicago, Ill., and George Browning, Wilmette, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application May 27, 1933, Serial No. 673,220
11 Claims. (Cl. 146—43)

1. The combination in a vegetable peeler attachment for mixing machines, of an impaler for carrying a vegetable, cutter mechanism movable to remove the peel from the vegetable, a driven spindle, spaced oppositely pitched worms on the spindle, a worm gear engaging one of said arms for rotating the impaler, a shaft carrying a worm gear engaging the other worm of the spindle and



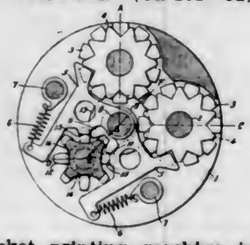
also carrying a worm, and a worm gear engaging said last mentioned worm for oscillating the cutter mechanism longitudinally of the impaler.

2,069,655
ALIGNING DEVICE FOR DISENGAGEABLE SLIDE FASTENERS
Joseph J. Kispert, Hamden, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application June 27, 1936, Serial No. 87,656
6 Claims (Cl. 24—205)



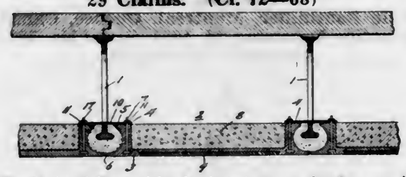
1. An aligning device for disengageable fasteners including a stop block and a slide formed with an extension, said extension being formed with a shoulder and a U-shaped portion to partly surround the coacting stop block of the slide fastener structure for limiting the movement of the slide in respect to the block and for aligning the slide with the block.

2,069,656
TICKET PRINTING MACHINE
Andreas Köhler, Hennigsdorf, near Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application October 24, 1934, Serial No. 749,857
In Germany October 25, 1933
2 Claims. (Cl. 101—91)



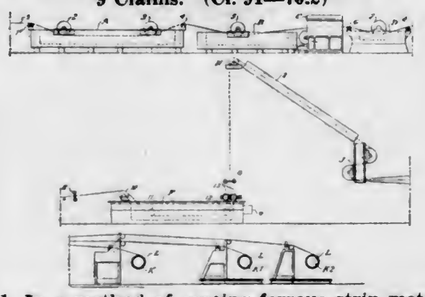
1. A ticket printing machine including the combination of a printing drum with adjustable type carriers, ratchet wheels for the type carriers, pawls cooperatively arranged with the ratchet wheels, and means disposed within the printing drum for locking the pawls, such means comprising a locking drum and an intermittent gear for intermittently turning the locking drum.

2,069,657
BUILDING CONSTRUCTION
William D. Mann, Chicago, Ill.
Application March 28, 1931, Serial No. 525,905
29 Claims. (Cl. 72—68)



17. A building block having a body portion provided with a sound-proof core and also provided with a sound-proof panel on one side of the body portion.

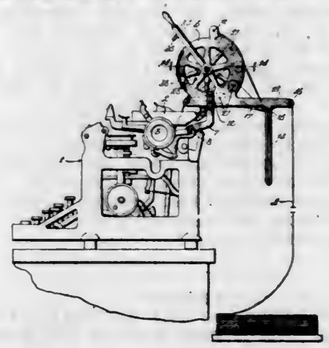
2,069,658
METHOD OF COATING STRIP STEEL AND PRODUCT
Robert F. Renkin, Sharon, Pa., assignor, by mesne assignments, to himself, Henry A. Roemer, and John M. Hughes, both of Youngstown, Ohio
Application December 9, 1933, Serial No. 701,716
9 Claims. (Cl. 91—70.2)



1. In a method of coating ferrous strip metal, the steps of subjecting a strip to the action of a molten bath of zinc and the remainder from 10 to 30% tin maintained at a critical temperature of approximately 800° F., and then wiping the coated strip, to produce a coated strip product having a ductile and cohesive zinc-tin-iron alloy coating thereon.

2,069,659
MANIFOLDING ATTACHMENT FOR TYPEWRITERS
Marcus S. Roosevelt, Highland Park, Mich., assignor to The Hamilton Autographic Register Company, Hamilton, Ohio, a corporation of Ohio
Application November 15, 1934, Serial No. 753,186
3 Claims. (Cl. 197—134)

1. A fixture for mounting upon the carriage of a typewriter, comprising, a frame, a spindle journalled in the frame, a tubular spool removably engaged over said spindle and rotatively connected thereto, the connection providing for teetering the spool upon the spindle, and a strip of manifolding material reeled upon said spool for unwinding therefrom and interleaving between a pair of strips of stationery to advance therewith about the platen of a typewriter, and adapting the unreeled portion of the manifolding strip to be subsequently re-reeled for retracting

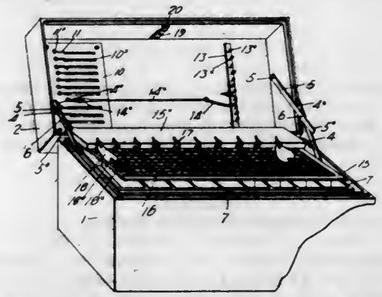


and repositioning the same between a succeeding portion of the strips of stationery.

2,069,660
RUST INHIBITING COATING
Arthur T. Saunders, Detroit, Mich., assignor to Truscon Laboratories, a subsidiary of the Truscon Steel Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application October 15, 1934, Serial No. 748,346
3 Claims. (Cl. 134—1)

1. As a protective priming coating for rusted surfaces, a drying oil emulsion comprising a drying oil of the glyceride type emulsified in a water solution of a soluble chromate, said drying oil and chromate solution being in substantially equal parts, and a hydrocarbon solvent for said drying oil in an amount at least substantially equal to the amount of said drying oil.

2,069,661
FISHING TACKLE CARRIER
George Albert Tiede, London, Ontario, Canada
Application June 28, 1935, Serial No. 28,915
1 Claim. (Cl. 43—31)



A fishing tackle comprising a casing body and cover, a supplemental casing secured within the cover and having longitudinal parallel slots therein, a spring secured at one end within the supplemental casing and extending beneath each slot, a hook secured to the opposite end of the spring and extending through the slot to engage one end of a fishing tackle, and a pin in a line with each slot and located at the opposite end of the cover around which the tackle hook is adapted to extend to hold the tackle in stretched position.

2,069,662

PRODUCTION OF 2.3-DIHYDROINDOLES

Max Treppenhauer, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 29, 1935, Serial No. 29,104. In Germany July 7, 1934
4 Claims. (Cl. 260—47)

1. A process for the production of 2.3-dihydroindoles which comprises subjecting an indole which is not hydrogenated in the nucleus containing the nitrogen atom to the action of hydrogen at an elevated temperature between 100° and 300° C. in the presence of a catalyst comprising essentially copper.

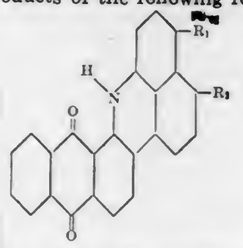
2,069,663

VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES AND A PROCESS OF PREPARING THEM

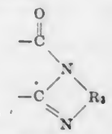
Arthur Wolfram, Frankfort-on-the-Main, Paul Nawiasky, Ludwigshafen-on-the-Rhine, Gerhard Langbein Hofheim in Taunus, and Werner Elbs, Frankfort-on-the-Maine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 23, 1933, Serial No. 662,392. In Germany March 26, 1932
8 Claims. (Cl. 260—36)

5. The products of the following formula:



wherein R_1 and R_2 jointly represent a bivalent radical of the formula



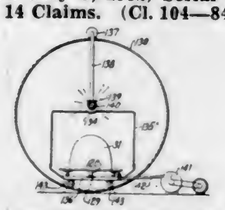
wherein R_3 represents an aryl group of the benzene series, which is bound in two adjacent positions to the nitrogen atoms, said products being vat dyestuffs dyeing the fiber greenish tints.

2,069,664

AMUSEMENT RIDE

John N. Bartlett, Cleveland, Ohio

Application July 6, 1932, Serial No. 621,037
14 Claims. (Cl. 104—84)



1. In an amusement device of the class described, the combination of a stationary member having fluorescent configurations arranged in continuous spiral stripes, an ultra-violet light source, a light directing means surrounding said light source to direct a plurality of beams of light onto said configurations, each beam extending the length of the member, and means to rotate the light directing means.

2,069,665

GARAGE DOOR

Emile Bouthillier, Montreal, Quebec, Canada

Application December 24, 1931, Serial No. 583,006
8 Claims. (Cl. 20—20)



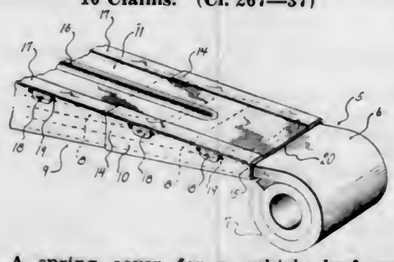
1. In a garage door, hinged door sections having hinge pins extending beyond each door edge and carrying rollers, fixed arcuate track sections inwardly curved and extended, pivotally mounted track sections swinging from the lower ends in arcuate paths into registering positions with the lower ends of said fixed sections, a pair of brackets, one for each of the pivoted tracks and having cam plates flanged to enclose said tracks and rollers, angle posts rigidly secured to a door frame and fixedly supporting said brackets and adjustably supporting the swinging track sections, means for lifting and lowering the door and supplemental rollers on certain hinge pins engaging said cams for jamming the door to its shut position.

2,069,666

SPRING COVER

Jerome Brown, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application May 13, 1935, Serial No. 21,182
10 Claims. (Cl. 267—37)



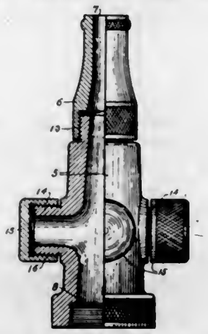
1. A spring cover for a vehicle leaf spring comprising complementary sections which together encircle the spring, one of the sections being substantially U-shaped in cross section to cover three sides of the spring, and the other section being a substantially flat flexible plate to cover the remaining side of the spring, a connection between the sections comprising flanges on the marginal edges of the U-shaped section bent over the adjacent edges of the flat section, and tongues on the flat section extending through slots in the side walls of the U-shaped section to overlie the outer sides of said side walls of the U-shaped section and prevent spreading of said side walls, said slots being longer than the width of the tongues so as to allow limited relative endwise motion between the sections.

2,069,667

NOZZLE TAKE-OFF ATTACHMENT

Edward Clawson, New Kensington, Pa., assignor to Continental Engineering Service, New Kensington, Pa., a firm

Application July 1, 1935, Serial No. 29,255
6 Claims. (Cl. 299—107)



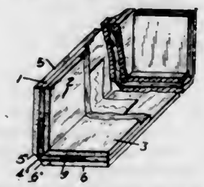
1. A nozzle attachment or take-off connection comprising a tubular device having an inlet end and an outlet end and being internally tapered from the inlet end to the outlet end and having means at its inlet end for attaching it to a container of liquid under pressure and also having laterally extending outlet elements that are provided with hose-connecting means, and closures that are normally secured on and removable from said laterally extending outlet elements to permit sections of hose to be connected in open communication with said tubular device, the aggregate speed-volume flow-capacity of said outlet end and the outlets of said laterally extending outlet elements being substantially equal to the speed-volume flow-capacity of said inlet end.

2,069,668

PLYWOOD JOINT

Arthur Woodward Flint, Toronto, Ontario, Canada

Application September 5, 1933, Serial No. 688,098
2 Claims. (Cl. 217—2)



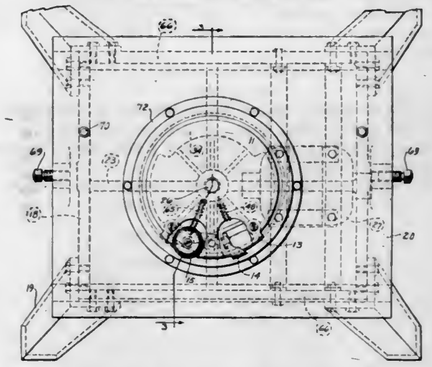
1. In a box body formed of a single sheet of multilayered plywood having the wood fibre of the inner and outer layers running longitudinally of the sheet and of the intermediate layer crosswise of the sheet, the combination with a groove extending parallel with the longitudinal fibres of the inner layer and through such layer and partially through and transversely of the fibres of the intermediate layer to leave a thin layer of unsevered freely bendable fibres forming the base of the groove and a groove extending completely through the outer layer and centered directly opposite the aforesaid groove of the intermediate and inner layers to form a line of bend, of a groove extending at right angles to such line of bend and partially through and transversely of the fibres of the inner layer to leave a thin layer of unsevered freely bendable fibres forming the base of the groove, and a groove centered opposite the aforesaid right angularly extended groove and extending through and crosswise of the grain of the outer layer and through and parallel to the grain of the intermediate layer to form a line of bend extending transversely to the aforesaid line.

2,069,669

APPARATUS FOR FORMING SAND MOLDS

Frank P. Gill, Cleveland Heights, Ohio

Application August 12, 1935, Serial No. 35,692
5 Claims. (Cl. 22—24)



4. In a molding apparatus, the combination of a rotary head adapted to extend into the cavity of a sand mold, said head having a segment projecting beyond the periphery of the head, for contact with the sand wall of the cavity during rotation of the head, said segment being slotted, cutters movably mounted on the head and movable through some of the slots in the segment to cut grooves in the said wall during said rotation, and smoothing devices carried by the head and movable outwardly into said grooves through other slots in the segment.

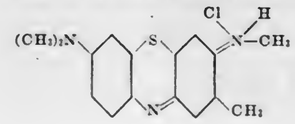
2,069,670

THIAZINE DYESTUFF AND PROCESS OF PREPARING IT

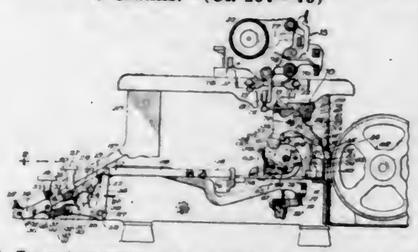
Walther Hoffmann, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 28, 1935, Serial No. 28,977. In Germany July 19, 1934
2 Claims. (Cl. 260—27)

1. The dyestuff of the following constitution:

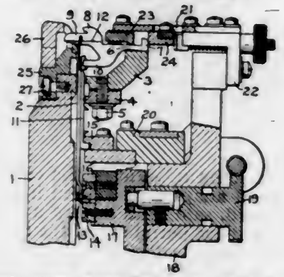


2,069,671
SHIFT MECHANISM
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application March 2, 1933, Serial No. 659,333
9 Claims. (Cl. 197—73)



6. In a typewriter, a carriage, a platen shiftably supported on the carriage, a power operated rotary member, a rotatably mounted cam, means for clutching the cam to said member for rotation therewith, means engageable with the cam for shifting the platen, and means controlled by the shifting means for unclutching the cam and rotary member after a partial revolution of the cam.

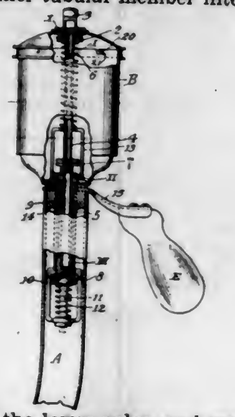
2,069,672
STITCH RING FOR KNITTING MACHINES
Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application May 12, 1936, Serial No. 79,279
7 Claims. (Cl. 66—107)



3. A stitch ring provided with slots for guiding the inner ends of sinkers, said slots being constructed throughout a portion of their extent with one width and throughout the remainder of their extent with a narrower width.

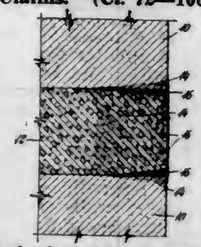
2,069,673
DISPENSING DEVICE
José Pereira Lima, Sao Paulo, Brazil
Application June 29, 1935, Serial No. 29,147
In Brazil July 6, 1934
3 Claims. (Cl. 221—114)

1. In a floor waxer of the type having a tubular handle provided with a reservoir at its upper end and a spreading head at its lower end, means for controlling the flow of fluid from said reservoir to the upper end of said handle including an outer tubular member extending downwardly through the bottom of said reservoir into said handle, an inner tubular member concentrically spaced within the outer tubular member and extending therethrough, said inner member being longer than the outer member and having lateral ports adjacent its upper and lower ends, a pair of valves carried by said inner tubular member at the upper and lower ends thereof and seating respectively on the corresponding ends of the outer tubular member, spring means urging the inner tubular member into raised po-



sition to seat the lower valve, and manually operative means for moving the inner tubular member downwardly to unseat the lower valve and seat the upper valve.

2,069,674
MASONRY TREATMENT
Benjamin J. Many, Chicago, Ill.
Application June 17, 1935, Serial No. 27,093
4 Claims. (Cl. 72—106)

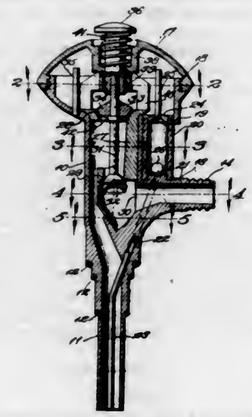


3. The method of moistureproofing and rehabilitating disintegrating joints in a masonry structure, which consists in spraying a mass embodying a filler and waterproofing material of high penetrating properties to the joint areas, allowing the mass to set a predetermined time for the penetrating material to impregnate the areas and to leave a filler deposit upon the areas, and then brushing the filler deposit into the areas.

2,069,675
FILLING DEVICE
George Newton Musick, Huntington, W. Va.
Application January 24, 1936, Serial No. 60,694
3 Claims. (Cl. 226—121)

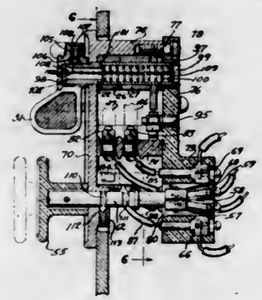
1. A filling device comprising a nozzle, a barrel integral therewith having a lateral intake pipe, a valve housing in the barrel having superposed valve seats, a valve stem movable axially in the barrel, an intake valve integral with the stem seating in the lower valve seat, a valve loose on the stem seating in the upper valve seat, a hollow vented ball grip on the upper end of the barrel, a spring pressed push rod disposed axially in the grip and operatively connected to said stem, the stem projecting from the grip and adapted to be depressed by closing of the operator's hand upon the grip to open

the intake valve and close the upper valve, and a float controlled vent conduit extending through the nozzle, through the barrel and into the hol-



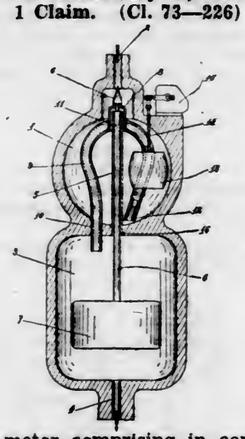
low grip for automatically shutting off the flow through the intake valve at a predetermined point in the filling operation.

2,069,676
MULTIPLE IGNITION SWITCH
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 2, 1930, Serial No. 486,025
Renewed May 10, 1935
6 Claims. (Cl. 200—5)



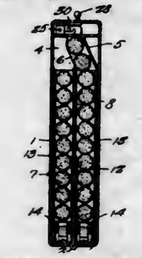
1. A control switch for a plurality of circuits, comprising a mounting plate having a plurality of surfaces projecting therefrom to form separate housings in conjunction with a rear plate having a terminal block, switching mechanisms in said housings each of which includes a rotatable shaft journaled in said mounting plate and said rear plate, a plurality of cam members carried by and rotatable with said shafts and cooperating with a plurality of fixed contacts, a plurality of terminals in said terminal block having connections with said fixed contacts and arranged for connection to external circuits whereby upon rotation of said shafts the cam members are adapted to open and close said circuits through the fixed contacts, and a member having a plurality of contacts arranged upon movement thereof to engage the terminals in the terminal block whereby said external circuits may be controlled simultaneously and independently of said switching mechanisms.

2,069,677
LIQUID METER FOR REDUCED FLOWS AND LOW HEADS
Paul Ollagnon, Saint-Etienne, France
Application July 1, 1935, Serial No. 29,395
In France July 10, 1934
1 Claim. (Cl. 73—226)



A liquid meter comprising in combination a substantially spherical metering chamber having an inlet at its highermost point for the liquid to be metered; a flow-regulating chamber of large useful capacity beneath said metering chamber and adapted to receive charges of liquid issuing therefrom, said flow-regulating chamber having an outlet for the metered liquid; a syphon tube of large cross-section having its inlet at the lowermost point of said metering chamber, its upper bend in the vicinity of the highermost point of said metering chamber, and its downwardly directed outlet at the upper part of said flow-regulating chamber; a vertical guide tightly fixed at the lowermost point of said metering chamber and terminating short of the highermost point thereof; a float in said flow-regulating chamber; a rod having a needle valve directly carried by said last-named float, said rod being passed through said vertical guide and adapted for cooperation with the inlet of said metering chamber; an inverted cup-shaped member fixed to said rod and surrounding the upper end of said guide; a registering mechanism; and a float in said metering chamber to actuate said registering mechanism.

2,069,678
COMBINED CIGARETTE CASE AND LIGHTER
Joseph Peters, St. Louis, Mo.
Application August 27, 1935, Serial No. 38,103
1 Claim. (Cl. 206—41.4)



In a cigarette case composed of companion sections and a hinge connecting said sections, a tongue connected to said case by the hinge, a

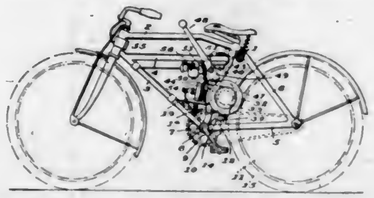
rack including a partition and end members thereto, and said partition having a chamber to receive the tongue for releasably mounting the rack in the case, flanges formed on the end members, said partition, end members and flanges cooperating in forming spaces for the reception of cigarettes arranged in superimposed relation at opposite sides of the partition, and spring pressed followers acting on the cigarettes and located at opposite sides of the partition and guided by the end members and the flanges.

2,069,679

BICYCLE

Fred P. Petmecky, Austin, Tex., assignor to American Power-Cycle Corporation, Frederick, Md.

Application September 12, 1934, Serial No. 743,735
20 Claims. (Cl. 180—33)



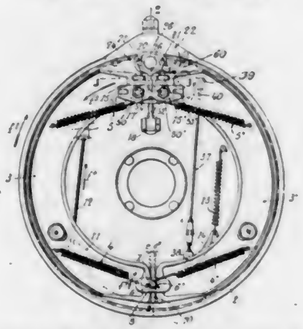
1. The combination with a bicycle provided with a resilient tire on its rear wheel having a tread provided with two series of teeth formed by portions between series of spaced depressions in the face of the tread at opposite sides of a continuous central portion thereof, of a motor on the bicycle frame provided with a drive roller adapted to engage the tread of the tire, the outer face of the roller having an annular groove centrally of the sides thereof, and series of teeth at opposite sides of said groove to mesh with the series of teeth of the tire tread, said motor being shiftable relatively to the rear wheel to carry its drive roller into and out of engagement with the tread thereof, and manually controlled means for shifting the motor.

2,069,680

BRAKE

Gérard Pierre Piganeau, Paris, France

Application April 5, 1935, Serial No. 14,936
In France April 19, 1934
7 Claims. (Cl. 188—140)



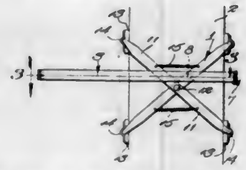
1. In combination, a rotary member adapted to be rotated at different speeds, braking means adapted to be brought into and out of engagement with said rotary member, control means adapted to be operated by said rotary member and to bring said braking means into engagement with said rotary member when the speed of said rotary member exceeds a predetermined value, clutching means adapted to connect operatively said control means and said rotary member, a control member adapted also to bring said braking means into engagement with said rotary member, and operating means adapted to be moved on a two-part stroke and to bring said clutching means into operative position during the first part of said stroke, whereby said braking means are brought into engagement with said rotary member when said rotary member rotates at a speed exceeding said predetermined value, and to bring the control member into its operative position during the second part of said stroke, whereby said braking means are brought into engagement with said rotary member when said rotary member rotates at a speed lower than said predetermined value and are pressed against said rotary member for all speeds of said rotary member.

2,069,681

CURTAIN TIE-BACK HOLDER AND SUPPORT

John W. Predix, Shamokin Dam, Pa., assignor of one-half to Clarence P. Ferry, Port Treverton, Pa.

Application January 30, 1936, Serial No. 61,626
2 Claims. (Cl. 156—33)



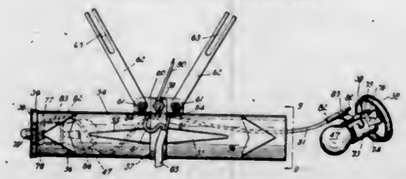
1. A curtain tie back holder and support comprising crossed members having angularly related ends, fastening means connecting said members, cushion feet severally connected to the ends of said members to engage with opposite edges of a window frame, contractile springs connecting the members at opposite sides of the fastening means, and a horizontally arranged arm for retaining a curtain in a draped position secured to one of said members.

2,069,682

SIGNALING DEVICE

Seward M. Roberts, Maplewood, N. J.

Application December 18, 1933, Serial No. 702,987
5 Claims. (Cl. 177—329)



1. A vehicle signal comprising a tubular casing open at both ends, a partition loosely fitting said casing substantially midway between its ends, a tubular member in each end of the casing abutting at one end against the partition, a flanged cap fitting over each end of the casing and holding the tubular members, and means for securing the caps on the casing, said signal also including signaling indicia in the casing portions separated by the partition.

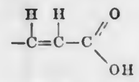
2,069,683

MONO-KETONES OF THE PYRENE SERIES AND PROCESS OF MAKING THE SAME

Roland Scholl, Dresden, Kurt Meyer, Berlin-Zehlendorf, and Joachim Donat, Dresden, Germany

No Drawing. Application January 24, 1936, Serial No. 60,700. In Switzerland February 2, 1935
19 Claims. (Cl. 260—64)

1. Process for the manufacture of monoketones of the pyrene series, consisting in causing a pyrene to react at temperatures not exceeding 50° C. and in presence of a metal halide selected from the group consisting of aluminium chloride and ferric chloride and of such a solvent selected from the group of solvents which are suitable for the Friedel-Crafts reaction, which solvent is free of nitrogen and contains at least two carbon atoms united to each other, with one molecular proportion of an aromatic carboxylic acid halide selected from the group consisting of the aromatic mono-carboxylic acids of the benzene and naphthalene series, which group is characterized by the presence of the atom grouping

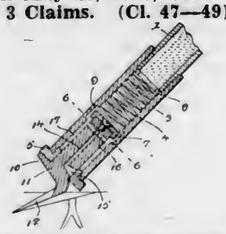


2,069,684

GROWTH EXTERMINATOR

August M. Schroeder, Peotone, Ill.

Application May 25, 1936, Serial No. 81,735
3 Claims. (Cl. 47—49)



3. A growth exterminator comprising a handle forming a reservoir for an exterminating substance, a sleeve secured to said handle and in communication therewith, a valve type plunger slidable in said sleeve and cooperating therewith in forming a measuring chamber which when in one position is in communication with the handle and when in another position is closed to said handle, said valve type plunger having an outlet communicating with the measuring chamber and opening outwardly through one side thereof to permit the measuring chamber to empty when in one of its positions and to prevent emptying of the measuring chamber when in its other position, a spring acting on the plunger like valve to position the same for closing the measuring chamber to the handle, and a combined guard and cutter formed on said plunger like valve and including a plate-like portion to provide a guard and tapering prongs integral therewith and extending at substantially right angles thereto and having opposing edges converging and sharpened.

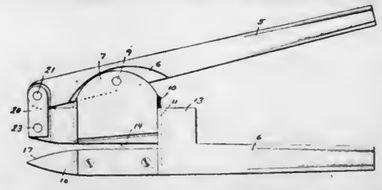
2,069,685

SNIPPERS

Theodore Serdich, Gary, Ind.

Application June 24, 1936, Serial No. 87,076
3 Claims. (Cl. 30—13)

1. Snippers of the character described comprising a pair of handle members, one of said handle members being provided with a head portion to which the other handle member is pivotally connected, said head portion being bifurcated, a blade



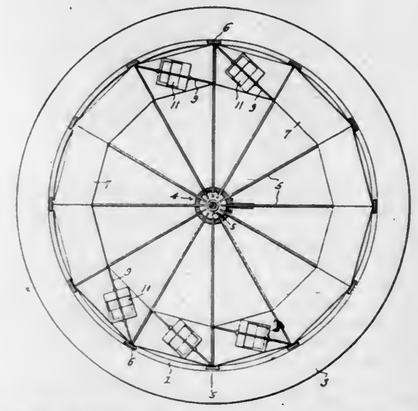
slidable transversely on the head and being pivotally connected to the last-mentioned handle, said head being provided with a guide for the blade, said guide traversing the said bifurcation.

2,069,686

AMUSEMENT APPARATUS

Solomon Wyatt Shepherd, San Francisco, Calif.

Refiled for abandoned application Serial No. 44,265, October 9, 1935. This application September 11, 1936, Serial No. 100,388
3 Claims. (Cl. 272—44)



1. An amusement apparatus comprising a circular, undulating track, a rotary hub, radiating rods pivotally connected to said hub, supporting wheels journaled on the outer ends of said rods and engaged on the track, platforms hingedly mounted between the rods, supports mounted diagonally on and above said platforms, cars suspended for lateral swinging movement on said supports, arcuate brakes on said platforms and cooperating brake-shoes on said cars for controlling the swinging movement of said cars.

2,069,687

PROCESS FOR THE PARTIAL HYDROLYSIS OF CARDIO-ACTIVE DIGITALIS GLUCOSIDES AND PRODUCTS OBTAINED THEREBY

Arthur Stoll, Walter Kreis, and Albert Hofmann, Basel, Switzerland, assignors to firm "Chemical Works Formerly Sandoz", Basel, Switzerland

No Drawing. Application July 19, 1933, Serial No. 681,220. In Switzerland July 22, 1932
15 Claims. (Cl. 260—25)

1. A process for the manufacture of glucose-free glucosides, characterized in that cardio-active glucosides of digitalis containing glucose are

subjected to the action of enzymes contained in digitalis plant.

12. The acetylated cardio-active digitalis glucosides free from glucose and possessing the general formula

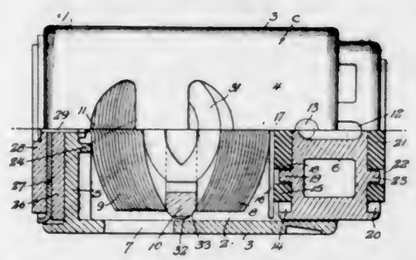
$$C_{43}H_{66}O_x+4H_2O$$

wherein x represents a whole number selected from the range 14–15, which are white products crystallized in form of rectangular plates, soluble in methanol and ethanol, and substantially insoluble in water, which yield on acid hydrolysis 46–47% of an aglucone, 54–55% of digitoxose and 7–7.5% of acetic acid and which are useful for therapeutical purposes.

2,069,688

CUSHIONING MEANS FOR VEHICLES

John J. Tatum, Baltimore, Md.
Application July 23, 1935, Serial No. 32,803
14 Claims. (Cl. 213—30)

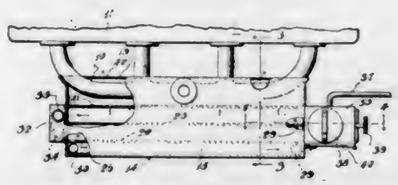


1. A cushioning and shock absorbing means of the character described comprising relatively movable elements to be cushioned, opposed metallic elliptical spring between said elements, a movable apertured separator between the opposed metallic elliptical springs, and a hollow rubber elliptical spring projecting through the apertured separator and coacting with said metallic elliptical springs for shock absorbing and cushioning actions.

2,069,689

HEATER FOR AUTOMOBILE ENGINES

Charles Trca, Pontiac, Mich.
Application May 7, 1936, Serial No. 78,512
6 Claims. (Cl. 123—122)

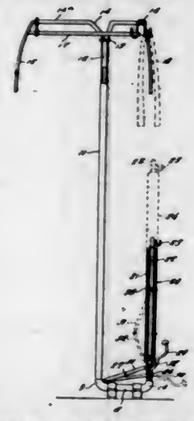


1. In a heater of the character described, a casing including a housing adapted to be placed in inclosing relation with respect to the intake manifold of an internal combustion engine for automobiles, said casing having a heater chamber therein and a circuitous chamber bordering the heater chamber, means forming communication between the circuitous chamber and carbureter for the engine, the heater chamber being in direct communication with the manifold, a housing at one end of the casing in communication with the casing, a gasoline blow torch in the housing and valve means for controlling admission of air to the housing, and a side door closure for the housing permitting access to the blow torch.

2,069,690

DEVICE FOR APPLYING PAPER BAGS TO GARMENTS

Charles F. Wells and William O. Purkins, Temple, Tex.
Application December 2, 1935, Serial No. 52,609
2 Claims. (Cl. 226—18)

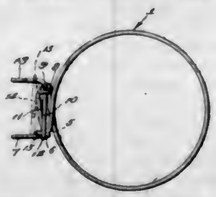


1. In a device of the character described, and in combination with means for suspending a garment bag or the like in elevated position, a fixed tubular member, a rod having a vertical sliding fit in said member, a hook on the upper end of said rod and adapted to have a garment hanger engaged therewith, a foot pedal pivotally mounted at the lower end of said tubular member, and link means operatively connecting said pedal with the rod for transmitting movement of the pedal to the rod for elevating the latter, and a cover sleeve for said tubular member secured at one end to said rod for movement therewith.

2,069,691

SOCK CLAMP FOR BOLTING MACHINES

Ralph Wilson and Herb A. Salzbrenner, Denver, Colo.
Application January 24, 1936, Serial No. 60,688
1 Claim. (Cl. 24—261)

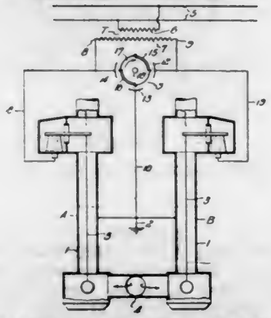


A clamp comprising a self contractible split ring, one end of said ring being extended and bent upon itself to form an eye and a finger piece, the other end of said ring being extended and bent to form an eye and substantially parallel connected portions with one portion extending through one eye and the other portion extending through the other eye and bent to form a finger piece paralleling the first-named finger piece, and a spring member having offset ends to engage with the finger pieces.

2,069,692

ELECTRICAL PRECIPITATION

Harry A. Wintermute, Plainfield, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application April 9, 1935, Serial No. 15,496
In Great Britain November 16, 1933
14 Claims. (Cl. 183—7)

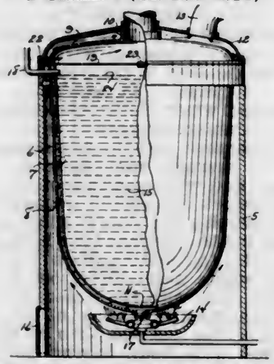


1. Apparatus for treating gases comprising a plurality of treater units each of which comprises at least one pair of complementary electrodes, means for passing a gas to be treated through said treater units in parallel streams, a high voltage transformer having its low voltage winding connected to a source of alternating current, means connecting one electrode of each of said pairs of complementary electrodes to a high voltage terminal of the transformer, means connecting the opposed electrodes of said pairs in common to at least one point on the high voltage winding of said transformer, and energy directing devices adapted intermittently to disconnect an electrode of successive treater units from the high voltage winding of the transformer in synchronism with the alternations of current, whereby the current is intermittently impressed across the complementary electrodes of the treater units so as to produce in each of said units when energized an electric field of the same polarity.

2,069,693

STEAM BOILER

George Lodge Barrett, Detroit, Mich.
Application March 5, 1935, Serial No. 9,522
1 Claim. (Cl. 122—234)

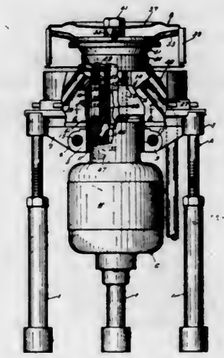


A boiler including a casing having a heater therein, a crown top for the casing having a heat exhaust flue, an outer bowl-like shell suspended within and spaced from said casing, an inner bowl-like shell suspended within the outer shell and spaced therefrom to provide a fluid space therebetween, said inner shell having a bottom port that communicates with the fluid space, a separator plate supported between the casing and the crown top thereof and providing a top for the shells, said separator plate having spaced series of openings that communicate respectively with the fluid space between the shells and the space between the outer shell and the casing, a dome-like member in the top of the outer casing having its edge fixed to the separator plate between said series of openings, and said dome having a steam outlet conduit, a pipe for delivering water into the inner shell below the separator plate and said separator plate having an air vent therethrough.

2,069,694

MOTOR SUSPENSION

Carroll A. Brinkert, Detroit, Mich., assignor to The Timken Silent Automatic Company, Detroit, Mich., a corporation of Michigan
Application November 16, 1934, Serial No. 753,377
9 Claims. (Cl. 248—18)



7. In a motor suspension, an overhead support; a vertically arranged electric motor provided with a housing that is very materially reduced in diameter at its upper end; said support including a skirt of but slightly larger diameter than said reduced upper end of the housing and surrounding the latter; and a set of flat vertical springs arranged within said skirt close to the motor axis and connected between said support and the top of said reduced upper end of the housing to suspend the motor, said springs being thin and each of a length many times its width.

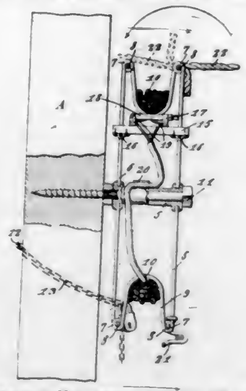
2,069,695

SAFETY REEL FOR A BLASTING CABLE

Frank W. Brown, Elkridge, W. Va.
Application March 27, 1935, Serial No. 13,362
1 Claim. (Cl. 242—77)

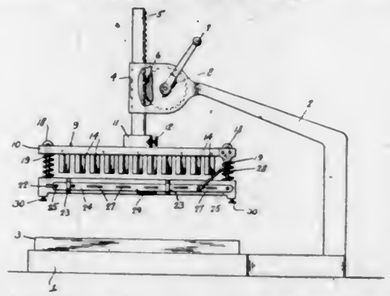
A reel for the purpose set forth, including a hub and spokes radiating from said hub, each of said spokes comprising, a wire member which is substantially U-shaped in plan and whose parallel arms have their ends fixed to the hub, the said arms at their outer ends being coiled upon themselves, rings received through said coils, the connecting portions of said arms between the rings being bowed in the direction of the hub to provide cable receiving valleys, hooks each comprising a wire member engaged with one of the rings and bent to provide a beak and arms coiled around said ring and in contact with the opposed sides of the coiled portions of the arms of the spokes, and a coiled wire gate comprising an

angle member approximately centrally mounted on one of the rings and designed to have one



of its arms normally swung over the second or opposite ring.

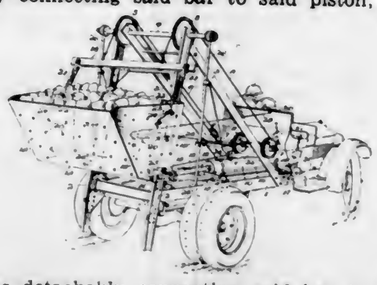
2,069,696
PATTY MACHINE
Melvin Burk, Akron, Ohio
Application August 14, 1935, Serial No. 36,220
3 Claims. (Cl. 107—15)



1. A patty machine comprising a base for supporting the material from which the patty is made, a vertically movable knife unit mounted above said base, means for raising and lowering said knife unit, a press yieldingly suspended beneath the knife unit and operatively engageable with the material, horizontally movable knives on the press for removing the material therefrom, the vertically movable knife unit including a gang of knives operatively engageable with the material for making indentations therein, the press having openings therein for the passage of the vertically movable knives, and means on the knife unit for actuating the horizontally movable knives.

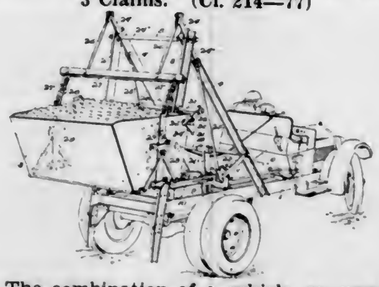
2,069,697
TRANSPORTING AND DUMPING VEHICLE
George R. Dempster, Knoxville, Tenn.
Application February 5, 1935, Serial No. 5,145
15 Claims. (Cl. 214—75)

1. The combination of a vehicle frame, an engine thereon, an upwardly extending track or way mounted on the rear of said frame, a cylinder with a piston therein mounted on said frame and containing a liquid, a pump operatively connected to said engine and forcing the said liquid from one side of said piston to the other, a valved by-pass around the piston, a load-receiving container movable along said track or way, a bar slidable along said track or way, means operatively connecting said bar to said piston, and



means detachably connecting said bar to said container.

2,069,698
TRANSPORTING AND DUMPING VEHICLE
William J. Dempster, Knoxville, Tenn.
Application May 6, 1936, Serial No. 78,287
3 Claims. (Cl. 214—77)

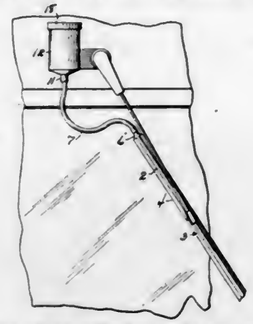


1. The combination of a vehicle, an upwardly extending track or way mounted thereon, a container movable along said track or way, a supporting bail therefor, catch mechanism independent of said bail and engaging and supporting said container in its elevated position, a bottom door hinged to said container, means connecting said bail and door, a cylinder mounted on said vehicle, a piston and piston rod in said cylinder, a source of power for reciprocating said piston and rod in said cylinder, and lever mechanism operatively connecting said piston rod to said bail.

2,069,699
WINDSHIELD WIPER BLADE
Otto H. Dohler, Elmwood Park, Chicago, Ill.
Application October 9, 1935, Serial No. 44,297
1 Claim. (Cl. 15—250)

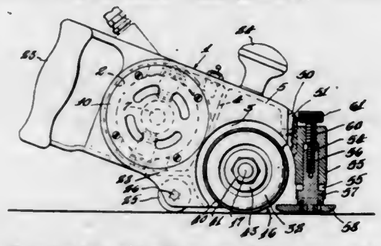
A windshield wiper blade comprising an elongated body mounted for oscillating movement and having a chamber extending substantially the full length thereof and opening outwardly through one end with said end of the body disposed uppermost to permit depositing in the chamber dissoluble anti-freeze substance, spaced ribs formed on the exterior of the body and paralleling the latter to contact a glass of a windshield and act to remove water therefrom during oscillation of the body with the water being dragged over the glass, causing banking of the water first at one side of the ribs and then at the opposite sides thereof, said body having ports for the chamber located adjacent to and at the outer sides of the outer ribs so that the water when banked by said ribs will enter the chamber to dissolve the anti-freeze substance and pass from said chamber during the non-banking of the water by the ribs and thereby deposit onto the

ribs and thence onto the glass covering a substantial area of the latter to prevent freezing of



water on the glass within and adjacent to said area.

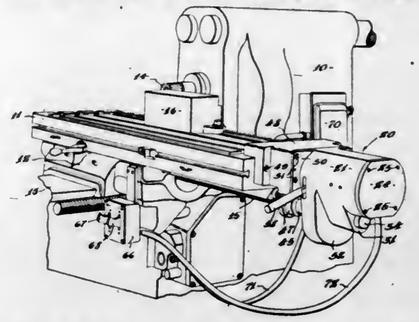
2,069,700
ABRADING MACHINE
Arthur N. Emmons, Nedrow, N. Y., assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y., a corporation of New York
Application June 22, 1934, Serial No. 731,940
12 Claims. (Cl. 51—170)



2. A portable abrading machine comprising a hollow body formed with a motor compartment in its rear portion and a drum compartment in its front portion opening through one side face and the bottom of the compartment, a motor mounted in the motor compartment with its shaft extending transversely of the body, an axle journalled in the end wall of the drum compartment and projecting toward the open end of the drum compartment, said axle being unsupported at its projecting end, an abrading drum mounted on the axle, and motion transmitting means between the motor shaft and the axle, said motion transmitting means being located in the hollow body.

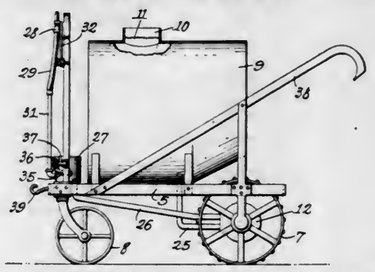
2,069,701
AUXILIARY POWER OPERATED DEVICE FOR MACHINE TOOLS
Arthur N. Emmons, Nedrow, N. Y., assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y., a corporation of New York
Application August 20, 1934, Serial No. 740,619
4 Claims. (Cl. 90—21)

1. The combination of a machine tool having a movable work table with a feed screw operable to move said table and an auxiliary power operated device for operating said screw, said device including a housing formed with a motor compartment, a motor mounted in said compartment and having its rotor shaft extending through one end thereof, a driven shaft rotatably mounted in said housing, motion transmitting means connecting the motor shaft and the driven shaft including an overload clutch mechanism, a bracket detachably secured to one end of the table, said bracket acting as a support



for the housing, and means connecting the driven shaft to the feed screw of the table.

2,069,702
SPRAYER TANK DEVICE
Doctor Andrew Finley, Valdosta, Ga.
Application August 2, 1935, Serial No. 34,467
1 Claim. (Cl. 137—21)

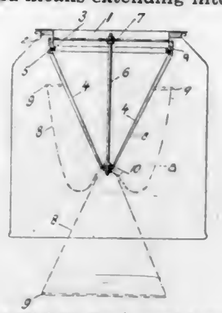


A sprayer tank device comprising a frame, a tank substantially oval in cross section, mounted on the frame, the bottom of the tank being inclined from one end of the tank to a point near the center of the bottom of the tank, an outlet pipe extending through the bottom of the tank and disposed adjacent to the lower end of the inclined portion of the bottom, so that liquid within the tank will be directed downwardly to the pipe, and the upper end of the pipe terminating slightly above the bottom of the tank.

2,069,703
FILTER FOR VACUUM CLEANERS AND THE LIKE
Peder Andersen Fisker, Copenhagen, Denmark, assignor to Aktieselskabet Fisker & Nielsen, Copenhagen, Denmark
Application February 8, 1935, Serial No. 5,675
In Denmark April 9, 1934
3 Claims. (Cl. 183—51)

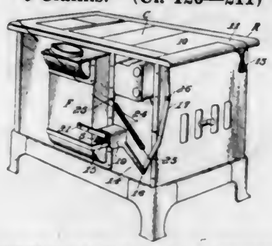
1. In a structure of the character described, a dust container having an opening, a stiffening ring detachably secured in air-tight condition to said container adjacent said opening, a plurality of filter bags arranged within said container and having closed bottoms secured to one another, one of said bags being connected at its open end to said stiffening ring, a clamping ring secured to the open end of said second bag and frictionally engaging the inner surface of said stiffening ring for normally maintaining said second bag in position within said container, said clamping ring being adapted to be drawn up from said

stiffening ring, whereby said last-mentioned bag may be raised bodily for turning said first bag inside out, and means extending into said second



bag and connected to the closed bottoms of said bags for simultaneously turning both of said bags inside out.

2,069,704
COAL RANGE
Frank J. Freeland, Dowagiac, Mich., assignor to Round Oak Company, Dowagiac, Mich., a corporation of Michigan
Application January 27, 1936, Serial No. 61,075
6 Claims. (Cl. 126—211)

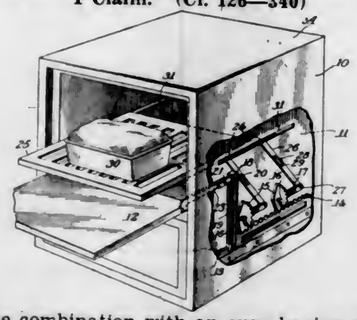


3. In a range construction, a pivotally mounted hot plate, a vertically movable member having one end thereof disposed beneath the hot plate and the other end thereof pivotally connected with the range, and spring means urging the vertically movable member upwardly, said pivotal connection and said spring means being so disposed that the vertically movable member moves upwardly upon manual lifting of the hot plate and exerts sufficient pressure on the hot plate to retain the same in open position when lifted to fully open position.

2,069,705
PROCESS OF MANUFACTURE OF METALLIC GLUCINUM AND ITS ALLOYS
Robert André Gadeau, St. Jean de Maurienne, France, assignor to "Compagnie de Produits Chimiques et Electrometallurgiques Olais, Froges et Camargue," Paris, France, a corporation of France
No Drawing. Application April 25, 1935, Serial No. 18,263. In Germany April 30, 1934
6 Claims. (Cl. 75—150)

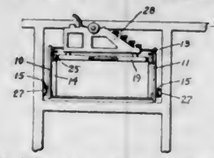
1. A process for the manufacture of alloys melting at a temperature below 1100° C. of glucinum and of a metal less electropositive than glucinum capable of alloying with magnesium and with glucinum, consisting in reducing, by an alloy of magnesium and of the said metal less electropositive than glucinum, a double fluoride of an alkali metal and of glucinum, richer in glucinum than the double fluoride containing two molecules of alkali fluoride for one molecule of glucinum fluoride.

2,069,706
OPERATING DEVICE FOR OVEN SHELVES
Christian Harley Gerwig and Alva H. Gerwig, Chapel, W. Va.
Application March 11, 1936, Serial No. 68,314
1 Claim. (Cl. 126—340)



The combination with an oven having a front vertical swinging door, a shelf movably supported within the oven, rocking bars pivoted to said shelf, cranked gears pivoted to said bars, shiftable racks operating said gears, arms carried by said door, slotted upstanding extensions on the racks, and links pivoted to the arms and slidably connected in the slots of the upstanding extensions.

2,069,707
ADJUSTABLE TYPEWRITER SUPPORT
Wilbert E. Herman, Milwaukee, Wis.
Application September 4, 1934, Serial No. 742,653
2 Claims. (Cl. 312—29)



1. The combination with a support, of a carriage on said support and having vertical side plates and horizontal cross members supporting the same, angular channelled rails fixedly mounted on the inner sides of said vertical side plates, horizontally disposed channel rails mounted for parallel movement by means of links on the outer sides of said vertical side plates, guide rails fixedly mounted on said support and engaged in the channels of the last named rails to allow for horizontal movements of said carriage, relative to said support and a mounting board having rollers engaged in the channels of the angular channelled rails to allow for vertical and horizontal movements thereof relative to said carriage.

2,069,708
STORED PRESSURE MEDIUM CONTAINER
Daniel Mapes, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application April 9, 1932, Serial No. 604,336
1 Claim. (Cl. 220—63)

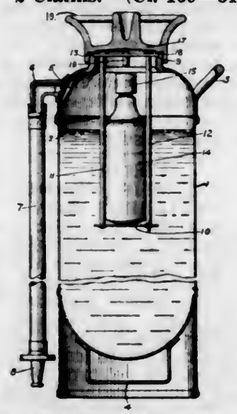
As an article of manufacture a vessel for retaining under pressure a fluid medium having fire extinguishing properties and having a high pressure three-dimensional phase at ordinary temperatures, comprising a unitary structure consisting of a container proper of relatively high tensile strength and non-porous metal but having relatively poor corrosion resisting properties, said

container being formed with at least one end open, a closure member for an open end of the container having means to retain the fluid medium within the container proper, said closure member having relatively good corrosion resisting properties at least at points in contact with media external thereto, and a shell of metal having relatively good corrosion resisting properties,



but of lesser tensile strength than the metal of the container proper, adapted to receive the container proper and to completely enclose it externally to a point adjacent said closure member and sealed at the closure member so as to permanently close off contact of the container proper with media external thereto.

2,069,709
HOLDER FOR PRESSURE MEDIUM CONTAINERS OR CARTRIDGES
Daniel Mapes, Montclair, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application October 17, 1934, Serial No. 748,608
2 Claims. (Cl. 169—31)



1. A unitary holder and releasing means for a stored pressure medium cartridge adapted to permit the cartridge to move by the force of gravity upon inversion thereof from a normal position comprising a supporting flange, finger holes in said flange, a plurality of rods rigidly fastened at one end to said flange, a base rigidly fastened at the opposite end of said rods, a movable rod associated with both said flange and said base, said movable rod having a head adapted to rest on said flange to hold the rod in position by its own weight when the holder is in its normal position, a stop on said movable rod to prevent withdrawal of the rod from the flange, said stop being so positioned that the rod may be moved to permit the cartridge to be inserted in and removed from the holder, and a projection on said flange adapted to forcibly engage said cartridge upon movement of the cartridge by the force of gravity when the holder is inverted, whereby to effect release of the pressure medium from the cartridge.

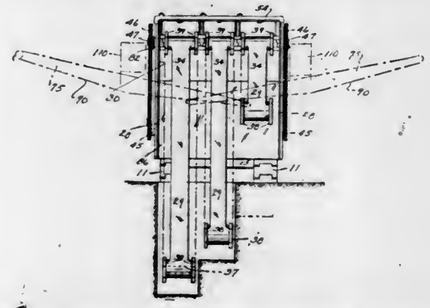
2,069,710
PREPARED SULPHUR
Edmund C. Missbach, Berkeley, Calif., assignor to San Francisco Sulphur Company, a corporation of California
No Drawing. Application February 26, 1934, Serial No. 713,013
5 Claims. (Cl. 167—20)

1. As a composition of matter a mixture consisting of a dry finely divided sulphur and a substantially water insoluble non-hygroscopic, light and fluffy compound of zinc rendering said sulphur free flowing.

2,069,711
STABILIZED CARBON TETRACHLORIDE
Edmund C. Missbach, Oakland, Calif., assignor to Stauffer Chemical Company, a corporation of California
No Drawing. Original application January 23, 1935, Serial No. 3,182, which in turn is a division of Serial No. 692,819, October 9, 1933. Divided and this application April 10, 1936, Serial No. 73,714
2 Claims. (Cl. 23—250)

1. Carbon tetrachloride containing a stabilizing amount of a ureide.

2,069,712
POWER DRIVEN TRENCHER
Augustus J. Penote, Shaker Heights, Ohio; Eleonora C. Penote executrix of said Augustus J. Penote, deceased
Application May 16, 1934, Serial No. 725,929
9 Claims. (Cl. 37—86)



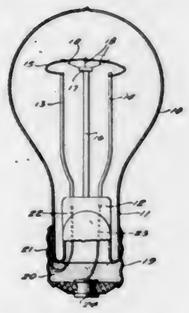
4. A vehicular excavating machine comprising a main frame, a plurality of independently operable digger mechanisms mounted one adjacent the other to operate in a common trench, a common support on which said digger mechanisms are pivoted for independent swinging movement, and means to swing said diggers about their pivots whereby they may be raised or lowered to independent levels to thereby cut a trench having a plurality of elevations.

2,069,713

ELECTRIC LAMP FOR PRODUCING SHORT WAVE LENGTH RADIATION

Chester H. Braselton, New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware

Application September 23, 1932, Serial No. 634,481
3 Claims. (Cl. 250—35)



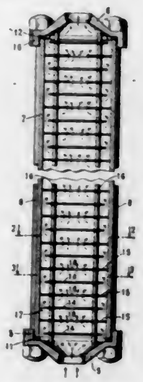
1. An electric lamp comprising an envelope having a high degree of transparency for ultra-violet radiation, a tungsten filament within said envelope, a coating of tantalum on the surface thereof and closely adherent thereto, and an inert gas including argon and nitrogen within said envelope, the pressure of said gas being approximately atmospheric.

2,069,714

PASTEURIZING APPARATUS

Benjamin Everett Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application June 22, 1935, Serial No. 27,861
6 Claims. (Cl. 138—42)



1. A liquid mixing and holding chamber for a liquid pasteurizing apparatus, said chamber including a tubular body containing a plurality of spaced plates so arranged as to cause the liquid to travel radially inwardly on one surface of each plate and radially outward over the opposite surface of the same plate adjacent substantially its entire peripheral portion, said plurality of plates being removable as a unit to enable the inside of the chamber to be cleaned.

2,069,715

ARTIFICIAL REEF

John B. Arpin, Fort Lauderdale, Fla., assignor to Beach Erosion Control Company, Miami, Fla., a corporation of Florida

Application October 29, 1935, Serial No. 47,312
6 Claims. (Cl. 61—4)



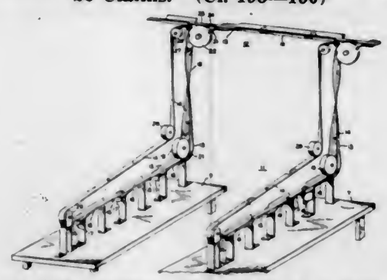
1. A reef structure comprising an elongated U-shaped member being substantially triangular in cross section and hollow, the outer longitudinal edges at the base portion having inclined soil-penetrating toes, the portion of the base intermediate the longitudinal edges being provided with penetrating lugs.

2,069,716

DRAG CONVEYER SYSTEM

Bruce Beardsley, Brooklyn, N. Y., and Michael V. Creedon, Westfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application September 16, 1931, Serial No. 563,194
26 Claims. (Cl. 198—160)



1. A drag conveyer comprising a longitudinally extending stationary support and a belt adapted to travel on said support for conveying sheet material between the belt and the support by frictional engagement with the belt, said support being arranged at one or more points along its intermediate portion to discontinue for a space its engagement with the belt to enable sheet material to be fed into the conveyer between the belt and the support.

2,069,717

MIXTURE FOR THE PRODUCTION OF MALLEABLE IRON

Rex A. Edmunds, Detroit, Mich., assignor to National Malleable & Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application March 2, 1935, Serial No. 9,014. In Canada February 4, 1935
14 Claims. (Cl. 75—123)

1. A malleablized cast ferrous alloy comprising 1% to 1.8% carbon, 1.5% to less than 2% silicon, effective amounts up to not over 1.4% manganese and the balance substantially all iron.

2,069,718

TURBINE BLADE

Alexander L. Feild, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Application September 29, 1933, Serial No. 691,572
3 Claims. (Cl. 253—77)

1. In manufactures of the class described, a forged corrosion-resistant iron or steel turbine blade comprising as essential ingredients carbon from .05 per cent to .10 per cent, chromium from 12 per cent to 30 per cent, molybdenum from about .2 per cent to about 1.0 per cent, and with the balance substantially iron.

2,069,719

WINDOW ANTIRATTLER

Harry Golden, New York, N. Y., assignor to Magna Products Corp., a corporation of New York

Application June 3, 1936, Serial No. 83,212
4 Claims. (Cl. 292—76)



1. An anti-rattling device for automobile windows, comprising a resilient member having a downturned portion at one end thereof, the lower edge of said downturned portion being bowed inwardly, an inwardly bowed tongue projecting from said lower edge, resilient arms projecting from each side of the downturned portion at an angle thereto, and friction buttons mounted in the free ends of said arms.

2,069,720

COMPOSITE FLOORING MATERIAL

Harold C. Harvey, Trenton, N. J., assignor to The Agasote Millboard Company, Trenton, N. J., a corporation of New Jersey

Application June 24, 1935, Serial No. 28,113
4 Claims. (Cl. 154—49)



1. A composite flooring material comprising a large unit sheet of porous pulp board as hereinbefore defined, such board being of substantial thickness and constituting a baseboard and being impregnated throughout at least a portion thereof contiguous to one of its lateral surfaces with an oxidized drying oil, and a comparatively thin sheet of impervious covering material of greater resiliency than said baseboard secured to the lateral surface contiguous to such impregnated portion, the resulting aggregate being adapted to constitute a substantially elastic floor body.

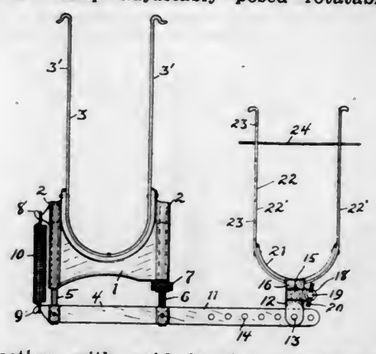
2,069,721

SURGICAL LEG SPLINT

Earl E. Longfellow, Warsaw, Ind., assignor to Harry Herschel Leiter, Warsaw, Ind.

Application April 14, 1934, Serial No. 720,581
3 Claims. (Cl. 128—84)

1. In a splint of the character described, a stirrup having a frame provided with a guide at each side thereof, said guides being relatively parallel, a sliding member including rigid parallel rods spaced apart that have longitudinal movement respectively in said guides, one of said rods being threaded and provided with an adjusting nut bearing against said frame, a retracting spring having connections respectively with one end of said sliding member and the corresponding side of said frame that tends to impart movement to said sliding member toward said frame to an extent limited by said adjusting nut, said sliding member having a lateral extension that projects outwardly from its opposite end provided with a series of perforations therein, a bracket secured to said extension by a bolt inserted selectively through said perforations and which has lateral swinging movement on said bolt, a clamp adjustably posed rotatably in



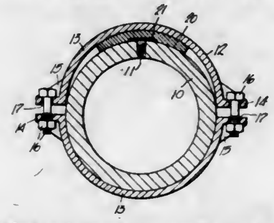
connection with said bracket provided with means for securing the clamp in adjusted positions on said bracket, and a second stirrup in connection with said clamp.

2,069,722

PIPE LEAK SEALING GASKET

Patterson D. Merrill, South Bend, Ind., assignor to M. B. Skinner Company, South Bend, Ind.

Application February 27, 1936, Serial No. 66,013
2 Claims. (Cl. 138—99)



1. A gasket adapted to overlie the leaking area of a pipe and to be pressed thereagainst by a pipe encircling clamp, comprising a rubber body of preformed arcuate shape having an inner face substantially conforming to the curvature of the outer face of the pipe and an outer curved face eccentric of said inner face substantially conforming to the curvature of the inner face of the clamp whereby the thickness of the gasket reduces from its center to its sides, said gasket effectively sealing said leaking area upon application of pressure thereto sufficient to force the inner face thereof into full face engagement with said pipe but without substantial deforming thereof.

2,069,723

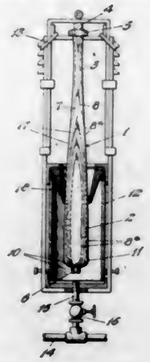
BASEBALL BAT

Henry W. Morrow, Louisville, Ky., assignor to Hillerich & Bradsby Co., Louisville, Ky., a corporation of Kentucky

Application September 13, 1933, Serial No. 689,311
3 Claims. (Cl. 273—72)

1. A wood baseball bat having a barrel or impact portion and a handle portion and constituted of superposed substantially parallel layers of wood fibre alternating with superposed layers of porous growth rings, the outer porous layers above and below the centrally disposed striking portion of the bat barrel being impregnated with a gelatinous adhesive to firmly bind and secure

the alternating outer layers of wood fibre together, and said centrally disposed striking portion of the bat barrel being unimpregnated and free of adhesive for its entire width from side to side of the bat barrel and throughout the longitudinal extent of the barrel and handle portions,



whereby the striking portion of the bat barrel is maintained cushioned for driving power and the outer wood layers above and below said striking portion are held against separation and cracking by said adhesive, throughout the longitudinal extent of said barrel portion.

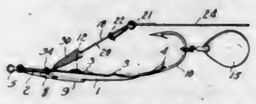
2,069,724

COMBINATION SPOON AND LURE WITH WEED GUARD

Charles T. Pflueger, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio

Application May 13, 1929, Serial No. 362,733

19 Claims. (Cl. 43—42)



1. A spoon comprising a concavo-convex spoon body, a plate attached to the convex side of the body, and a weed guard and attaching means for the weed guard anchored in the plate.

2,069,725

DRYING OIL COMPOSITION AND PROCESS OF MAKING SAME

John B. Rust, Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application March 9, 1935, Serial No. 10,249

8 Claims. (Cl. 134—26)

1. A drying composition comprising the heat-treated mixture of tung oil and resorcinol-acetone resin.

2,069,726

LACQUER

Jacob M. Schantz, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 10, 1935, Serial No. 30,638

7 Claims. (Cl. 134—79)

1. A lacquer comprising a cellulose derivative and a resinous material the components of which are soluble in coal tar hydrocarbons and insoluble in petroleum hydrocarbons.

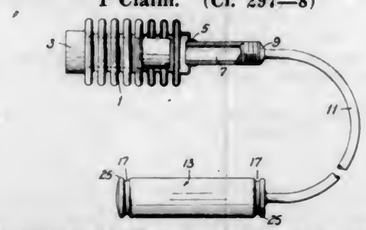
2,069,727

THERMALLY RESPONSIVE DEVICE

John A. Spencer, Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts

Application November 2, 1933, Serial No. 696,344

1 Claim. (Cl. 297—8)



A bulb and bellows type thermally responsive device particularly adapted for high temperature control including a bulb formed of stainless steel, the seams of which are welded with cast iron, and wherein the contained fluid comprises argon.

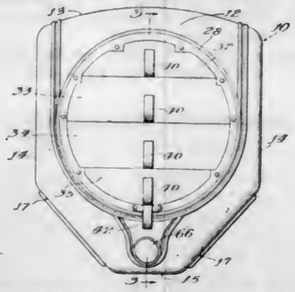
2,069,728

HEAT EXCHANGE DEVICE

Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware

Application June 1, 1936, Serial No. 82,886

5 Claims. (Cl. 257—137)



5. A heat exchange device comprising a housing having top, bottom, side and front walls, said front and bottom walls having apertures therein through which air may pass horizontally or downwardly with respect to said heat exchange device, a radiator core disposed in said housing, means for advancing air through said radiator core into said housing, means in the front wall aperture operable to prevent the passage of air therethrough or to direct all of, or any part of, the air leaving the core either horizontally or at an angle to the horizontal, and means in the housing constructed and arranged to effect directional control over all of the air leaving the core to proportion its delivery between the apertures in the front and bottom walls.

2,069,729

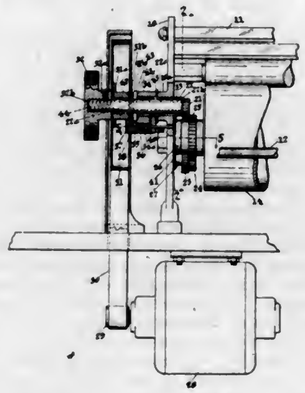
MOTOR DRIVE CONTROL FOR DUPLICATING MACHINES AND THE LIKE

Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts

Application February 7, 1935, Serial No. 3,426

15 Claims. (Cl. 101—132)

1. A duplicating machine having a master printing platen adapted for continued rotation with a dwell period in its cycle of rotation, a gear train for actuating said platen, a drive shaft directly connected to a member of said gear train, a freely rotatable member mounted on said shaft and adapted for continuous rotation, clutch elements slidably supported by said shaft, means to



actuate said clutch elements to engage said shaft and said second member in driving relation, means urging said clutch elements to their normal disengaged position and operable upon release of and independent of said first means.

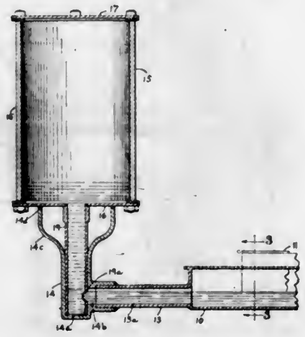
2,069,730

FLUID CONTROL FOR DUPLICATORS

Frederick W. Storck, Arlington, and Carl V. Franson, Dorchester, Mass., assignors to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts

Application April 5, 1935, Serial No. 14,804

10 Claims. (Cl. 137—68)



1. A barometrically controlled fluid supply for duplicators having a supply reservoir with a discharge conduit, a chamber having a substantially vertical axis and adapted to receive said discharge conduit in a manner whereby said conduit may be freely removed and replaced, a discharge opening from said chamber, and means for alternately positioning an aperture of said discharge conduit in registering and non-registering positions relative to said chamber discharge opening, said means being operative upon rotation of said reservoir in its normal, substantially vertical, axial position.

2,069,731

APPARATUS AND PROCESS FOR DIVIDING VISCOUS MASSES

Gottfried Trümpler, Kusnacht (Zurich), Switzerland, assignor to Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft, Basel, Switzerland, a corporation of Switzerland

Application April 15, 1933, Serial No. 666,350

In Switzerland April 16, 1932

15 Claims. (Cl. 83—9)



5. A machine for disintegrating hot, dough-like to pasty fertilizers in progressive state of solidification, comprising a rotary drum having a closable charging aperture, disintegrating elements freely movable in said drum and adapted to divide and disintegrate the material, a partition at one end of said drum remote from said charging aperture and having apertures for the passage of the material disintegrated in said drum, a sieve extending from said partition adapted to sift the material disintegrated in said drum to allow the passage of material up to a certain size of grain and to keep back the material of too large grain, a chute in said sieve adapted to return the too large grained material into said drum, a second sieve connected to and rotating with said drum and surrounding said first sieve with clearance adapted to allow the passage of material with too small grain and to hold back the material of the desired size of grain, a second chute below said second sieve adapted to lead off the fine material sifted through said second sieve, an elevator at the lower end of said second chute leading to the end of said drum remote from said partition, a hopper adapted to receive the material from said elevator, and a worm on the end of said drum adapted to receive the material from said hopper and return same into said drum.

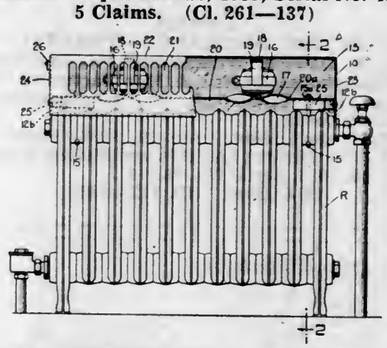
2,069,732

AIR-CURRENT ATTACHMENT FOR HEATING RADIATORS

Clarence M. Woolley, New York, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey

Application September 26, 1935, Serial No. 42,235

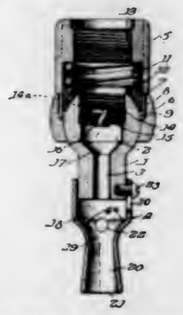
5 Claims. (Cl. 261—137)



1. The combination with a radiator assembly, of a casing, one or more motor and fan assemblies housed within said casing, means supporting said one or more motor and fan assemblies and wholly supported by said casing, a septum provided with an opening or openings correlated with the fan or fans of said motor and fan assembly, said casing being provided with openings

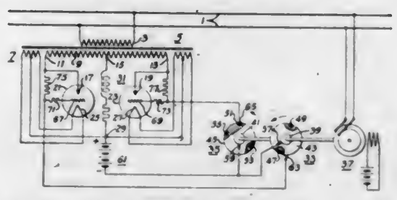
communicating with the interior of the casing above said septum, the bottom of the casing being substantially wholly open, and means carried by said casing for supporting said casing and its stated associated elements wholly upon the upper face portions of the radiator assembly.

2,069,733
SHOWER HEAD
Roy H. Zinkil, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 29, 1935, Serial No. 18,783
2 Claims. (Cl. 299—120)



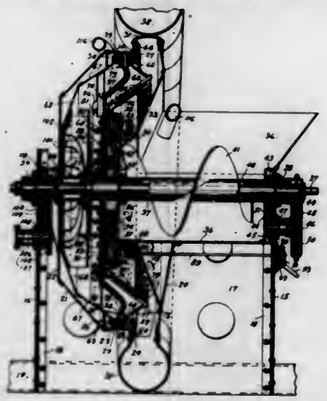
1. A shower head of the character described, comprising a spray guide cooperating with a casing having an enlarged inlet chamber and a restricted throat passage in communication with the said spray guide, apertured means within the said inlet chamber for imparting a swirling motion to fluids entering the said inlet chamber, the said spray guide having a vented inlet chamber the lower portion thereof being defined on two sides by oppositely disposed converging walls terminating in an elongated transverse orifice, an axially aligned outlet passage leading from the said orifice defined by a pair of oppositely disposed progressively diverging walls, the ends of the said walls being connected by oppositely disposed longitudinally extending walls substantially parallel to each other and defining the opposite sides of the said passage.

2,069,734
ELECTRIC DISCHARGE APPARATUS
John W. Dawson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 29, 1933, Serial No. 678,237. Divided and this application September 26, 1935, Serial No. 42,174
20 Claims. (Cl. 172—281)



3. Apparatus for supplying power to a load comprising a periodic power source, a first pair of discharge devices connected to said load, each of said discharge devices having a control electrode and a plurality of principal electrodes, means for impressing principal potentials on said discharge devices from said source, means for impressing control potential on said discharge devices to energize said discharge devices substantially at the beginnings of a plurality of successive periods of said source thereby to increase the current in said load to a predetermined value, said first pair of discharge devices being so connected to said load that the current supplied therethrough to the load is of a predetermined polarity, means for thereafter impressing control potential on said discharge devices to energize said discharge devices substantially at ends of a plurality of successive periods of said source thereby to decrease the current in said load to a predetermined value, a second pair of discharge devices connected to said load, each of the last said discharge devices having a control electrode and a plurality of principal electrodes, means for impressing principal potentials on the last said discharge devices from said source, means for impressing control potentials on the last said discharge devices to energize said discharge devices substantially at the beginnings of a plurality of successive periods, thereby to increase the current in said load to a predetermined value, said last pair of discharge devices being so connected to said load that the current supplied therethrough is of opposite polarity to the current supplied through said first pair of discharge devices, and means for thereafter energizing said second pair of discharge devices substantially at the ends of a plurality of successive half-cycles to decrease the current in said load.

2,069,735
GRAIN SEPARATOR AND THRESHER
Edgar E. Metcalf, Moville, Iowa
Application October 2, 1933, Serial No. 691,797
12 Claims. (Cl. 130—27)

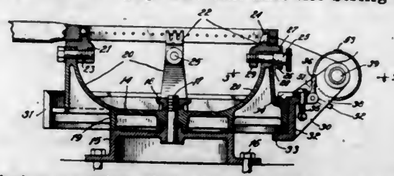


4. Grain separating mechanism, comprising an annular screen structure having radial passages, means for delivering threshed material within said annular screen structure, means for rotating the screen structure to cause impulsion of grain through said radial passages, and stationary means cooperant with said rotating screen, for controlling the rate of flow of straw axially within said screen.

9. In a grain threshing and separating mechanism a revoluble flat distributing plate including spirally arranged ribs, means for feeding unthreshed materials to said flat plate including a spirally pitched conveyor positioned on the axis of said plate for feeding said material to the plate, said conveyor being rotated oppositely to the direction of rotation of the plate.

2,069,736
TENNIS RACKET VISE
Harold W. Roberts, Riverside, Ill., assignor to Thompson Mfg. Co., Chicago, Ill.
Application August 23, 1933, Serial No. 686,389
5 Claims. (Cl. 273—73)

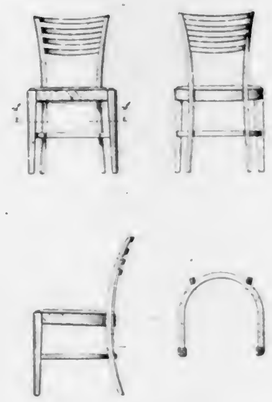
1. A tennis racket vise having means for rigidly clamping the racket, a rail extending around the vise below the level of a racket therein, a string puller slidably mounted directly on the rail and movable to different positions about the periphery of a racket, and having a yieldable latch to engage the rail and the string puller being positioned close to and below a racket to offer no obstruction to the stringing operation.



DESIGNS

FEBRUARY 2, 1937

102,978
DESIGN FOR A CHAIR
Albert J. Baum, Sheboygan, Wis., assignor to American Chair Company, Sheboygan, Wis., a corporation of Wisconsin
Application November 27, 1936, Serial No. 66,161
Term of patent 3½ years



The ornamental design for a chair, as shown and described.

102,979
DESIGN FOR A KNITTED FABRIC
William J. Beniston, Seaford, N. Y., assignor to Julius Kayser & Co., New York, N. Y., a corporation of New York
Application May 28, 1936, Serial No. 62,882
Term of patent 3½ years



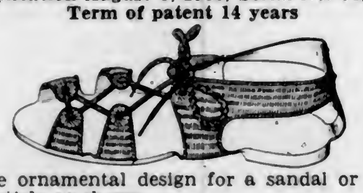
The ornamental design for a knitted fabric, as shown and described.

102,980
DESIGN FOR A TEXTILE FABRIC
Sidney Breakstone, New York, N. Y.
Application December 24, 1936, Serial No. 66,727
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

102,981
DESIGN FOR A SANDAL OR SIMILAR ARTICLE
Joseph V. Ferriot, Akron, Ohio, assignor to Ferriot Bros. Inc., Akron, Ohio, a corporation of Ohio
Application August 8, 1936, Serial No. 64,289
Term of patent 14 years



The ornamental design for a sandal or similar article as shown.

102,982
DESIGN FOR A SANDAL OR SIMILAR ARTICLE
Joseph V. Ferriot, Akron, Ohio, assignor to Ferriot Bros. Inc., Akron, Ohio, a corporation of Ohio
Application December 3, 1936, Serial No. 66,299
Term of patent 14 years



The ornamental design for a sandal or similar article as shown.

102,983
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application June 2, 1936, Serial No. 62,950
Term of patent 14 years



The ornamental design for a textile fabric as described and as shown.

102,984
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application June 2, 1936, Serial No. 62,956
Term of patent 14 years



The ornamental design for a textile fabric as described and as shown.

102,985
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application December 10, 1936, Serial No. 66,425
Term of patent 14 years



The ornamental design for a textile fabric or similar article of manufacture substantially as shown.

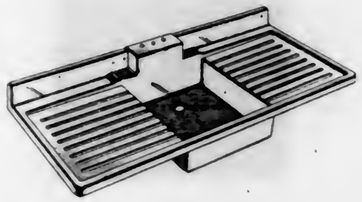
102,986
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 23, 1936, Serial No. 65,437
Term of patent 3½ years





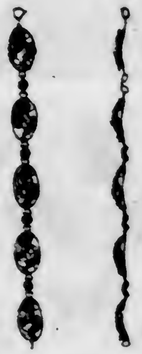
The ornamental design for a textile fabric substantially as shown.

102,987
DESIGN FOR A SINK
Richard B. Janes, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 4, 1936, Serial No. 66,305
Term of patent 7 years



The ornamental design for a sink, as shown.

102,988
DESIGN FOR A BRACELET
Ralph Massa, New York, N. Y.
Application November 24, 1936, Serial No. 66,121
Term of patent 3½ years



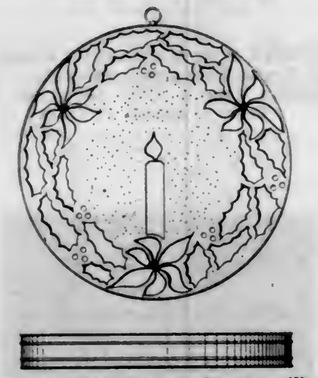
The ornamental design for a bracelet, substantially as shown.

102,989
DESIGN FOR TEXTILE FABRIC OR SIMILAR ARTICLE
Herman D. Mendelsohn, New York, N. Y.
Application September 10, 1936, Serial No. 64,796
Term of patent 3½ years



The ornamental design for textile fabric or similar article, as shown.

102,990
DESIGN FOR AN ILLUMINATED WREATH ORNAMENT
Bernard F. Muldoon, Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application November 25, 1936, Serial No. 66,136
Term of patent 7 years



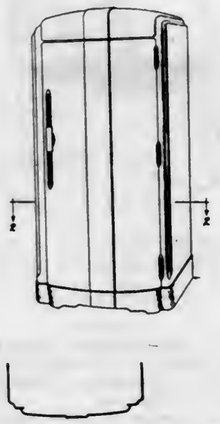
The ornamental design for an illuminated wreath ornament, as shown.

102,991
DESIGN FOR A HANDLE FOR A KETTLE
Andrew W. Nelson, Terre Haute, Ind., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind., a corporation of Indiana
Application May 18, 1936, Serial No. 62,693
Term of patent 3½ years



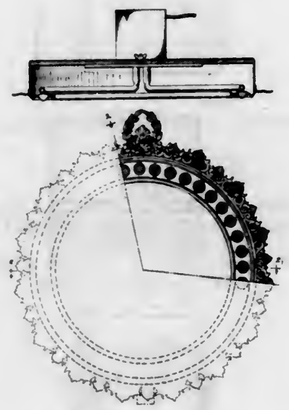
The ornamental design for a handle for a kettle, as shown.

102,992
DESIGN FOR A REFRIGERATOR CABINET
John W. Norrish, Lockland, and Roland H. Money, Cincinnati, Ohio, assignors to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application August 5, 1935, Serial No. 57,963
Term of patent 7 years



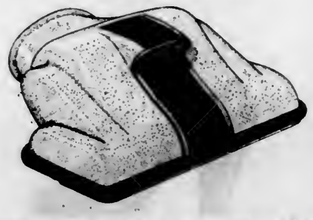
The ornamental design for a refrigerator cabinet, as shown and described.

102,993
DESIGN FOR A MEDALLION OR SIMILAR ARTICLE
Benjamin Puciloski, Cicero, Ill.
Application December 4, 1936, Serial No. 66,313
Term of patent 14 years



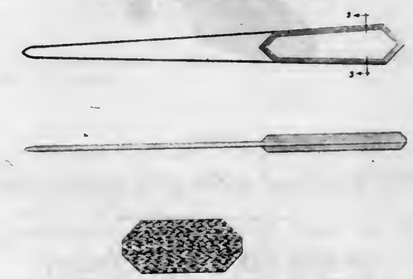
The ornamental design for a medallion or similar article, substantially as shown and described.

102,994
DESIGN FOR A CASING FOR A SUCTION CLEANER OR SIMILAR ARTICLE
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 3, 1936, Serial No. 62,992
Term of patent 14 years



The ornamental design for a casing for a suction cleaner or similar article, as shown.

102,995
DESIGN FOR A PAPER KNIFE
Robert H. Stewart, Detroit, Mich.
Application December 8, 1936, Serial No. 66,379
Term of patent 3½ years



The ornamental design for a paper knife as shown.

102,996
DESIGN FOR A SHOE
Otto F. Stock, Columbus, Ohio, assignor to The Julian & Kokenge Company, Columbus, Ohio, a corporation of Ohio
Application July 9, 1936, Serial No. 63,750
Term of patent 3½ years



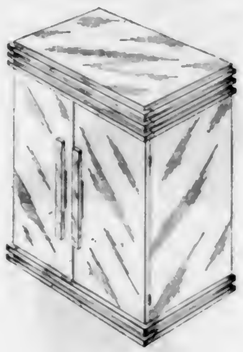
The ornamental design for a shoe, as shown.

102,997
DESIGN FOR A SHOE
Otto F. Stock, Columbus, Ohio, assignor to The Julian & Kokenge Company, Columbus, Ohio, a corporation of Ohio
Application July 9, 1936, Serial No. 63,751
Term of patent 3½ years



The ornamental design for a shoe, as shown.

102,998
DESIGN FOR A SHOE CABINET
Frank O. Tashjian, Detroit, Mich.
Application November 16, 1936, Serial No. 65,944
Term of patent 3½ years



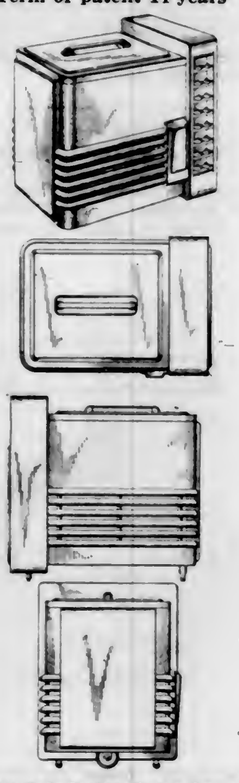
The ornamental design for a shoe cabinet, substantially as shown.

102,999
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
Harry J. Terker, Brooklyn, N. Y.
Application June 27, 1936, Serial No. 63,542
Term of patent 7 years



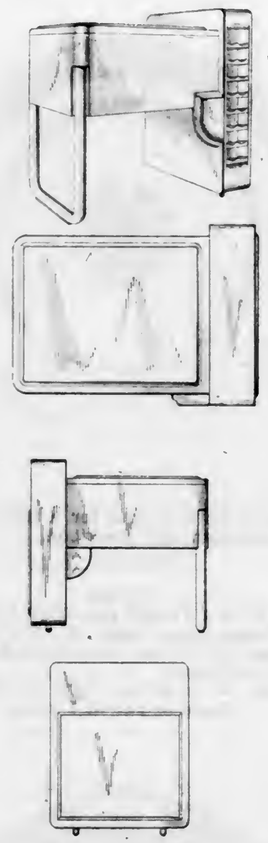
The ornamental design for a chair or similar article substantially as shown and described.

103,000
DESIGN FOR A BEVERAGE COOLER CABINET
Everett Worthington, Chicago, Ill., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application December 3, 1936, Serial No. 66,291
Term of patent 14 years



The ornamental design for a beverage cooler cabinet as shown.

103,001
DESIGN FOR A REFRIGERATOR
Everett Worthington, Chicago, Ill., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application December 3, 1936, Serial No. 66,292
Term of patent 14 years



The ornamental design for a refrigerator as shown.

103,002
DESIGN FOR A FINGER RING
Frank Carolan and Robert R. Rhoerbaugh, Casper, Wyo.
Application October 6, 1936, Serial No. 65,186
Term of patent 7 years



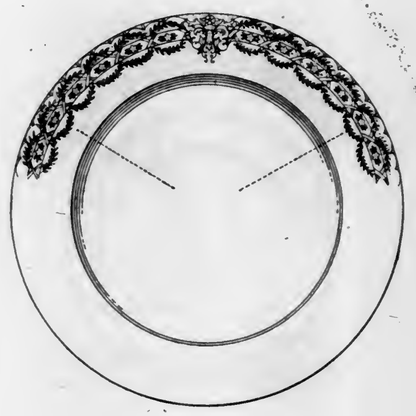
The ornamental design for a finger ring, as shown.

103,003
DESIGN FOR A BUCKLE
Pearl F. Ashton, Providence, R. I.
Application October 14, 1936, Serial No. 65,294
Term of patent 3½ years



The ornamental design for a buckle substantially as shown.

103,004
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,433
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

103,005
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,434
Term of patent 7 years



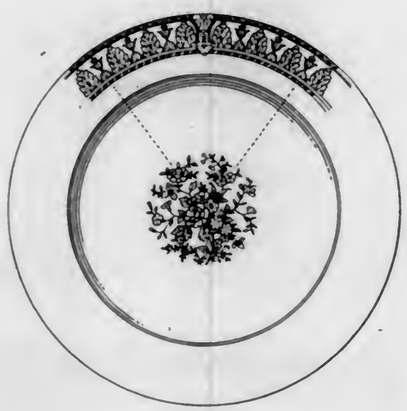
The ornamental design for a plate or similar article, as shown and described.

103,006
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,441
Term of patent 7 years



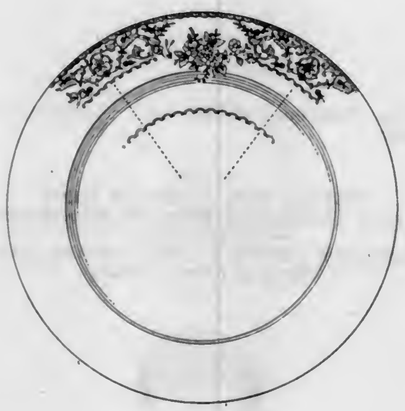
The ornamental design for a plate or similar article, as shown and described.

103,007
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,442
Term of patent 7 years



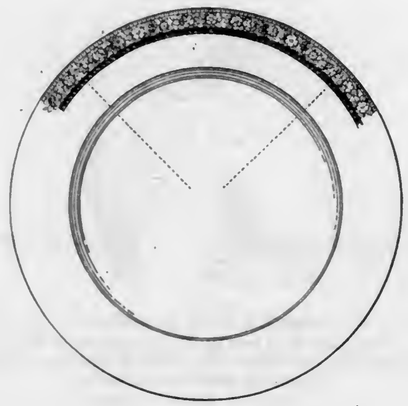
The ornamental design for a plate or similar article, as shown and described.

103,008
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,443
Term of patent 7 years



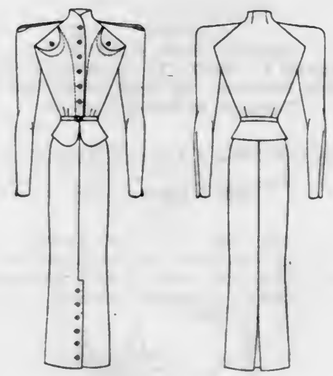
The ornamental design for a plate or similar article, as shown and described.

103,009
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,444
Term of patent 7 years



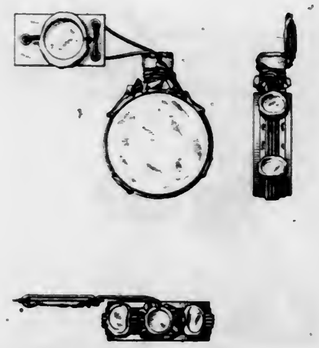
The ornamental design for a plate or similar article, as shown and described.

103,010
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y., assignor to Alexander S. Gross, Inc., New York, N. Y., a corporation of New York
Application December 8, 1936, Serial No. 66,389
Term of patent 3½ years



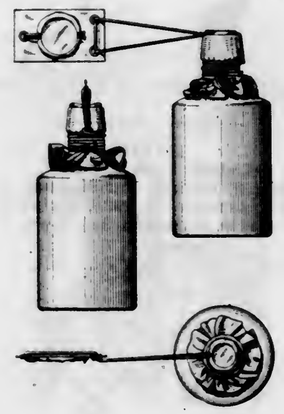
The ornamental design for a dress, as shown.

103,011
DESIGN FOR A TOILET BOTTLE
Barbara Hurst, New York, N. Y.
Application October 31, 1936, Serial No. 65,614
Term of patent 7 years



The ornamental design for a toilet bottle, as shown and described.

103,012
DESIGN FOR A TOILET BOTTLE
Barbara Hurst, New York, N. Y.
Application November 10, 1936, Serial No. 65,820
Term of patent 7 years



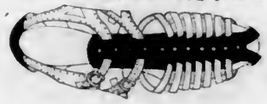
The ornamental design for a toilet bottle as shown and described.

103,013
DESIGN FOR A SHOE
Lee Lazar, New York, N. Y., assignor to Bancroft Walker Company, Waltham, Mass., a corporation of Massachusetts
Application December 2, 1936, Serial No. 66,269
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

103,014
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H.
Application December 15, 1936, Serial No. 66,524
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

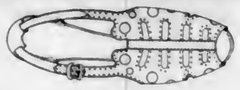
103,015
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H.
Application December 15, 1936, Serial No. 66,525
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

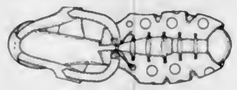
103,016
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H.
Application December 16, 1936, Serial No. 66,547
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

103,017
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H.
Application December 16, 1936, Serial No. 66,548
Term of patent 3½ years

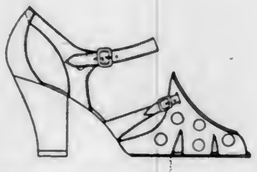




The ornamental design for a shoe substantially as shown.

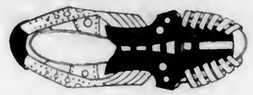
103,018
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H.
Application December 16, 1936, Serial No. 66,549
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

103,019
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H.
Application December 16, 1936, Serial No. 66,550
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

103,020
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H.
Application December 16, 1936, Serial No. 66,551
Term of patent 3½ years





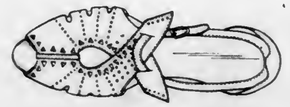
The ornamental design for a shoe substantially as shown.

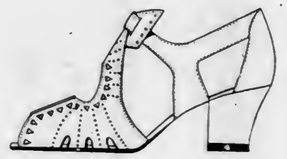
103,021
DESIGN FOR A BUTTON
Jesse S. Lichter, Lawrence, N. Y.
Application July 27, 1936, Serial No. 64,074
Term of patent 3½ years



The ornamental design for a button substantially as shown.

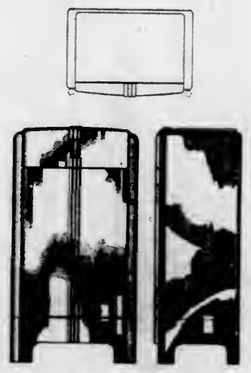
103,022
DESIGN FOR A SHOE
Morris Lippert, Brooklyn, N. Y.
Application December 19, 1936, Serial No. 66,644
Term of patent 3½ years





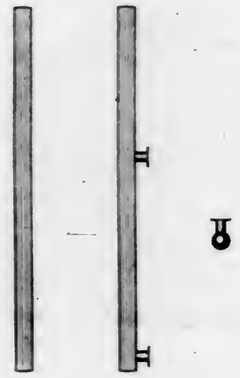
The ornamental design for a shoe, substantially as shown.

103,023
DESIGN FOR A REFRIGERATOR
Raymond Loewy, New York, N. Y., assignor to Sears, Roebuck & Co., Chicago, Ill., a corporation of Illinois
Application October 31, 1934, Serial No. 53,831
Term of patent 3½ years



The ornamental design for a refrigerator as shown and described.

103,024
DESIGN FOR A REFRIGERATOR LATCH
Raymond Loewy, New York, N. Y., assignor to Sears, Roebuck & Co., Chicago, Ill., a corporation of Illinois
Application October 31, 1934, Serial No. 53,832
Term of patent 3½ years



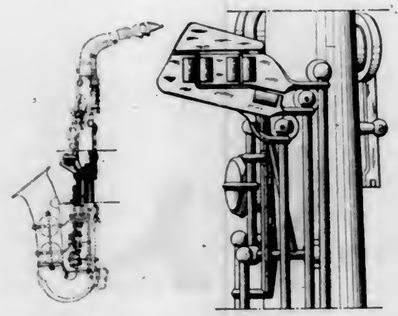
The ornamental design for a refrigerator latch as shown.

103,025
DESIGN FOR A SAXOPHONE
Allen Loomis, Elkhart, Ind.
Application March 9, 1936, Serial No. 61,541
Term of patent 14 years



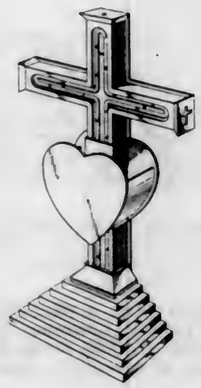
The ornamental design for a saxophone, as shown and described.

103,026
DESIGN FOR A SAXOPHONE
Allen Loomis, Elkhart, Ind.
Application March 9, 1936, Serial No. 61,542
Term of patent 14 years



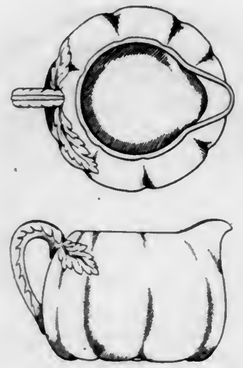
The ornamental design for a saxophone, as shown and described.

103,027
DESIGN FOR A FUNERAL SYMBOL
Dennis Joseph Slattery, Buffalo, N. Y.
Application November 10, 1936, Serial No. 65,830
Term of patent 7 years



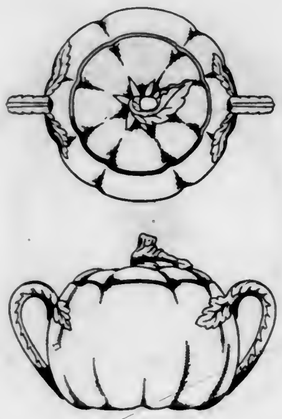
The ornamental design for a funeral symbol as shown.

103,028
DESIGN FOR A CREAMER OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,435
Term of patent 7 years



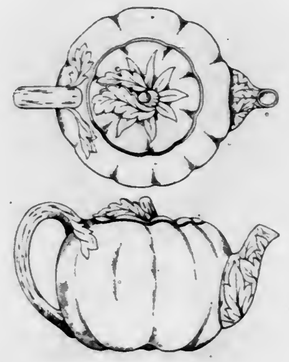
The ornamental design for a creamer or similar article, as shown.

103,029
DESIGN FOR A SUGAR BOWL OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,436
Term of patent 7 years



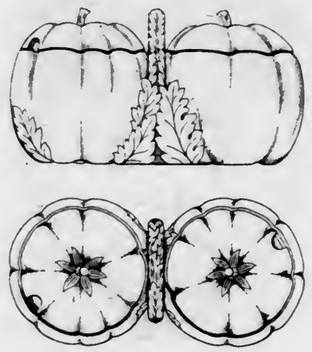
The ornamental design for a sugar bowl or similar article, as shown.

103,030
DESIGN FOR A TEAPOT OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,437
Term of patent 7 years



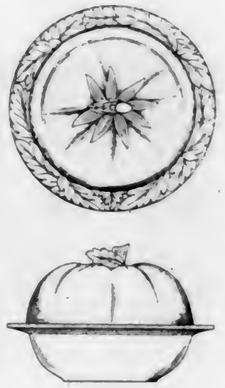
The ornamental design for a teapot or similar article, as shown.

103,031
DESIGN FOR A JAM JAR OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,438
Term of patent 7 years



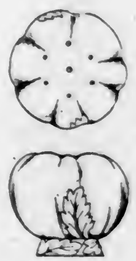
The ornamental design for a jam jar or similar article, as shown.

103,032
DESIGN FOR A BUTTER TUB OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,439
Term of patent 7 years



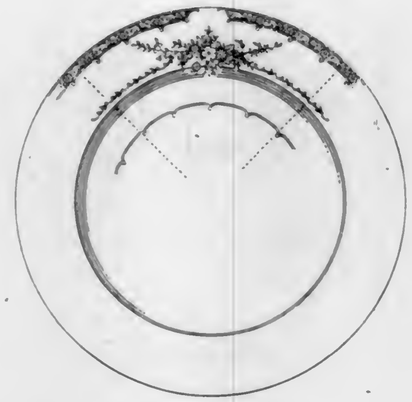
The ornamental design for a butter tub or similar article, as shown.

103,033
DESIGN FOR A SALT AND PEPPER SHAKER OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,440
Term of patent 7 years



The ornamental design for a salt and pepper shaker or similar article, as shown.

103,034
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,445
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

103,035
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,446
Term of patent 7 years



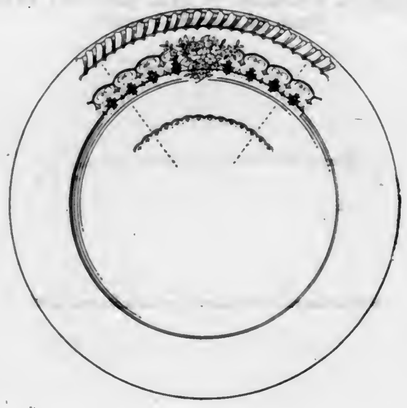
The ornamental design for a plate or similar article, as shown and described.

103,036
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,447
Term of patent 7 years



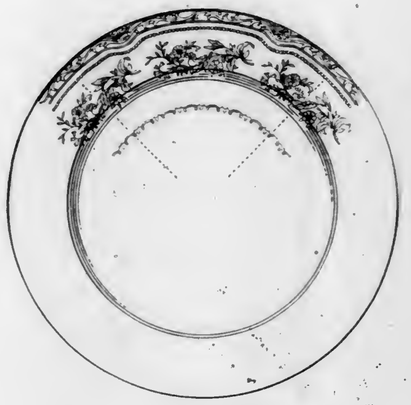
The ornamental design for a plate or similar article, as shown and described.

103,037
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,449
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

103,038
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,450
Term of patent 7 years



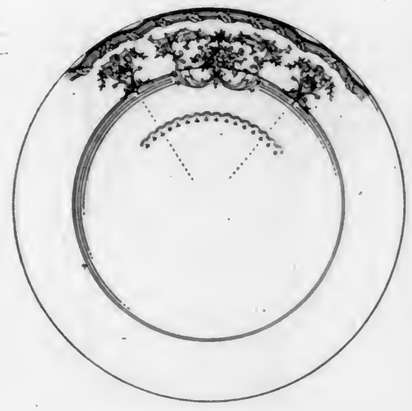
The ornamental design for a plate or similar article, as shown and described.

103,039
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,451
Term of patent 7 years



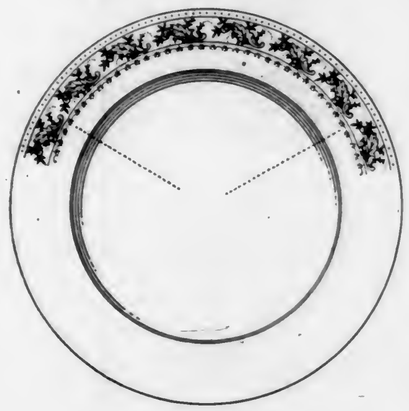
The ornamental design for a plate or similar article, as shown and described.

103,040
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,452
Term of patent 7 years



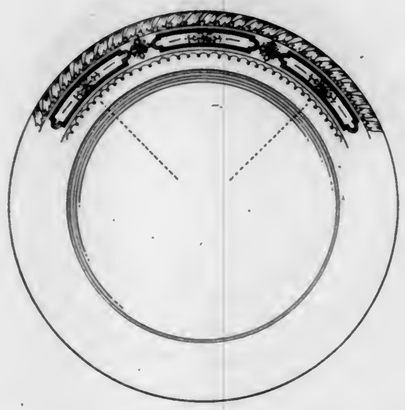
The ornamental design for a plate or similar article, as shown and described.

103,041
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,453
Term of patent 7 years



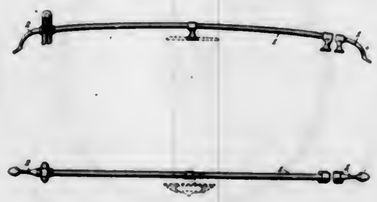
The ornamental design for a plate or similar article, as shown and described.

103,042
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application December 10, 1936, Serial No. 66,454
Term of patent 7 years



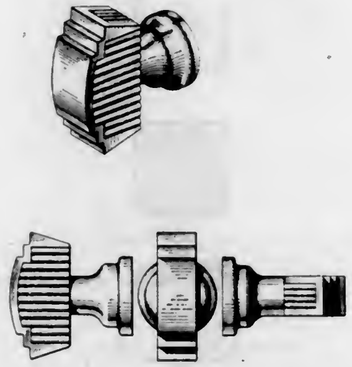
The ornamental design for a plate or similar article, as shown and described.

103,043
DESIGN FOR A REAR DOOR HINGE AND PULL ASSEMBLY FOR AUTOMOBILES
Alexander Carlson, Lima, Ohio, assignor to Superior Body Company, Lima, Ohio, a corporation of Ohio
Application November 19, 1936, Serial No. 66,016
Term of patent 14 years



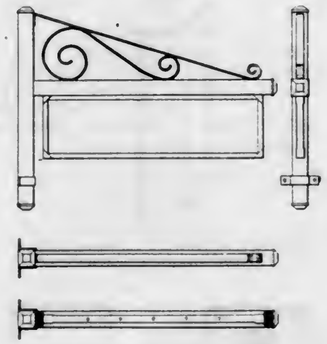
The ornamental design for a rear door hinge and pull assembly for automobiles, substantially as shown and described.

103,044
DESIGN FOR A CIGAR LIGHTER HANDLE
Bert G. Cochrane, Chicago, Ill., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 9, 1936, Serial No. 66,400
Term of patent 14 years



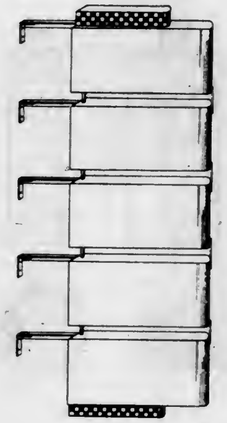
The ornamental design for a cigar lighter handle, as shown.

103,045
DESIGN FOR A SIGN
Robert D. Ellis, Closter, N. J.
Application July 1, 1936, Serial No. 63,599
Term of patent 3½ years



The ornamental design for a sign as shown.

103,046
DESIGN FOR A SIGN
Arthur R. Ellis, Cedar Rapids, Iowa
Application November 21, 1936, Serial No. 66,078
Term of patent 3½ years



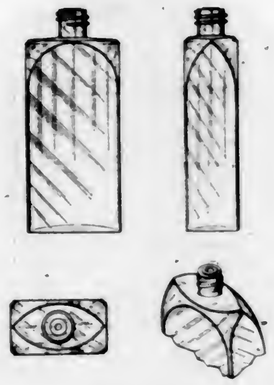
The ornamental design for a sign as shown and described.

103,047
DESIGN FOR A SIDE COMB
Albert Girouard, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application November 12, 1936, Serial No. 65,864
Term of patent 7 years



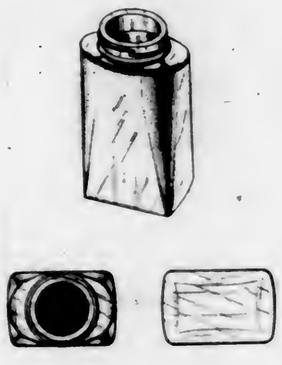
The ornamental design for a side comb, substantially as shown.

103,048
DESIGN FOR A BOTTLE
Frank Earl Higgins, New York, N. Y., assignor to California Perfume Company, Inc., New York, N. Y., a corporation of New York
Application November 23, 1936, Serial No. 66,093
Term of patent 14 years



The ornamental design for a bottle as shown.

103,049
DESIGN FOR A BOTTLE
Frank Earl Higgins, New York, N. Y., assignor to California Perfume Company, Inc., New York, N. Y., a corporation of New York
Application November 23, 1936, Serial No. 66,094
Term of patent 14 years



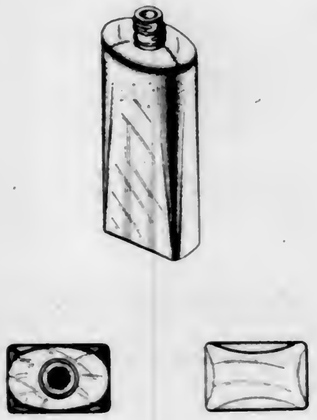
The ornamental design for a bottle as shown.

103,050
DESIGN FOR A JAR
Frank Earl Higgins, New York, N. Y., assignor to California Perfume Company, Inc., New York, N. Y., a corporation of New York
Application November 23, 1936, Serial No. 66,095
Term of patent 14 years



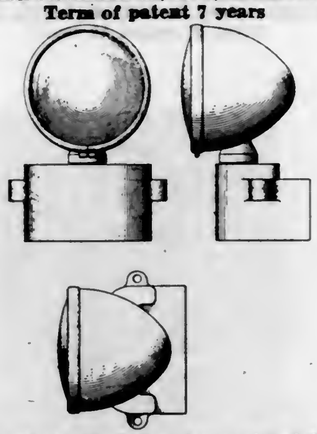
The ornamental design for a jar as shown.

103,051
DESIGN FOR A BOTTLE
Frank Earl Higgins, New York, N. Y., assignor to California Perfume Company, Inc., New York, N. Y., a corporation of New York
Application November 23, 1936, Serial No. 66,096
Term of patent 14 years



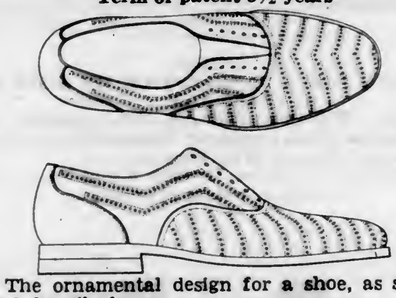
The ornamental design for a bottle as shown.

103,052
DESIGN FOR A SIGNAL LIGHT
Jeremiah D. Kennelly, Oak Park, Ill., assignor of one-half to Ethel V. Mars
Application November 11, 1936, Serial No. 65,859
Term of patent 7 years



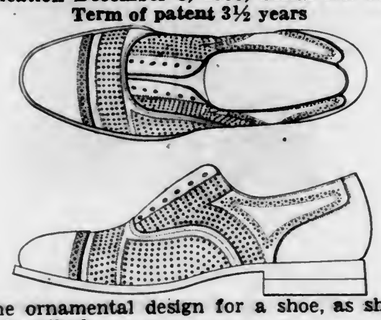
The ornamental design for a signal light, as shown.

103,053
DESIGN FOR A SHOE
Albert W. Lutz, Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application December 3, 1936, Serial No. 66,293
Term of patent 3½ years



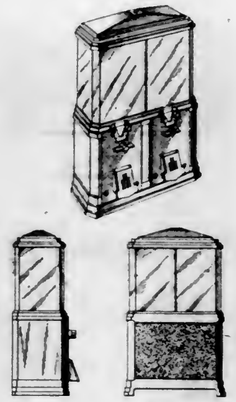
The ornamental design for a shoe, as shown and described.

103,054
DESIGN FOR A SHOE
Albert W. Lutz, Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application December 3, 1936, Serial No. 66,294
Term of patent 3½ years



The ornamental design for a shoe, as shown and described.

103,055
DESIGN FOR A VENDING MACHINE CABINET
Willard F. Main, Cedar Rapids, Iowa
Application November 27, 1936, Serial No. 66,175
Term of patent 7 years



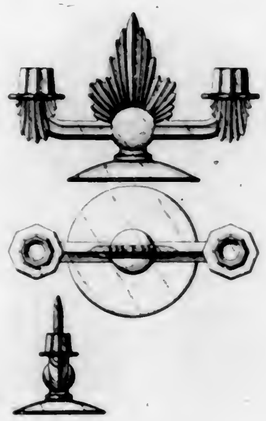
The ornamental design for a vending machine cabinet substantially as shown.

103,056
DESIGN FOR A BOTTLE
Leo Mann, Providence, R. I.
Application December 4, 1936, Serial No. 66,314
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

103,057
DESIGN FOR A CANDLESTICK OR SIMILAR ARTICLE
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 7, 1936, Serial No. 65,772
Term of patent 3½ years



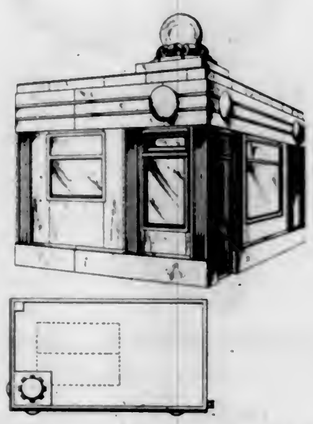
The ornamental design for a candlestick or similar article, substantially as shown.

103,058
DESIGN FOR A CANDLESTICK OR SIMILAR ARTICLE
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 7, 1936, Serial No. 65,773
Term of patent 3½ years



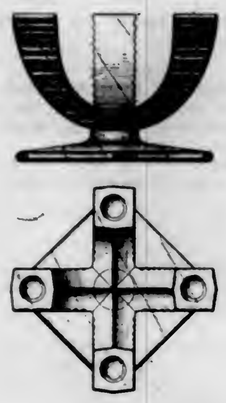
The ornamental design for a candlestick or similar article, substantially as shown.

103,059
DESIGN FOR A STORE
Gordon L. Smith, Chattanooga, Tenn., assignor to The Kriptal Company, Chattanooga, Tenn., a corporation of Tennessee
Application July 13, 1936, Serial No. 63,828
Term of patent 14 years



The ornamental design for a store as shown and described.

103,060
DESIGN FOR A CANDLESTICK OR SIMILAR ARTICLE
Findley Williams, Chicago, Ill., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application November 11, 1936, Serial No. 65,856
Term of patent 3½ years



The ornamental design for a candlestick or similar article, substantially as shown.

103,061
DESIGN FOR A TEXTILE FABRIC
Sidney Breakstone, New York, N. Y.
Application December 17, 1936, Serial No. 66,582
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

103,062
DESIGN FOR A DRESS
Maurice Extract, New York, N. Y.
Application December 18, 1936, Serial No. 66,610
Term of patent 3½ years



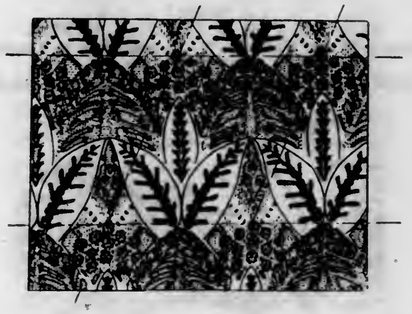
The ornamental design for a dress, substantially as shown and described.

103,063
DESIGN FOR A DRESS
Maurice Extract, New York, N. Y.
Application December 18, 1936, Serial No. 66,611
Term of patent 3½ years



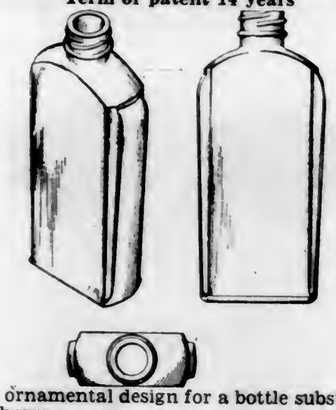
The ornamental design for a dress, substantially as shown and described.

103,064
DESIGN FOR A TEXTILE FABRIC
George Feinberg, New York, N. Y.
Application October 23, 1936, Serial No. 65,433
Term of patent 3½ years



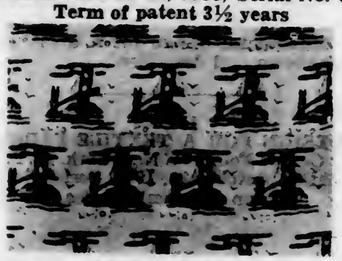
The ornamental design for a textile fabric substantially as shown.

103,065
DESIGN FOR A BOTTLE
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 10, 1933, Serial No. 47,744
Term of patent 14 years



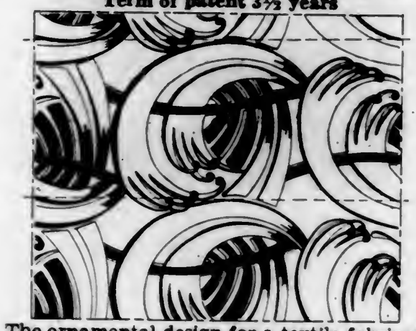
The ornamental design for a bottle substantially as shown.

103,066
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,533
Term of patent 3½ years



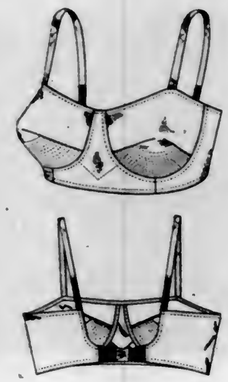
The ornamental design for a textile fabric, substantially as shown.

103,067
DESIGN FOR A TEXTILE FABRIC
Joseph Mack, Passaic, N. J., assignor to Dazians, Inc., New York, N. Y.
Application August 22, 1936, Serial No. 64,521
Term of patent 3½ years



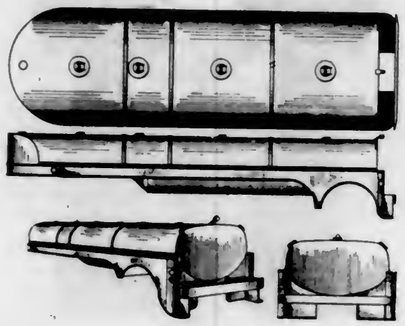
The ornamental design for a textile fabric substantially as shown and described.

103,068
DESIGN FOR A BRASSIÈRE
William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application August 1, 1935, Serial No. 57,893
Term of patent 14 years



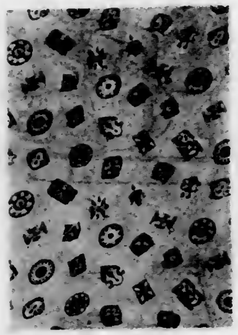
The ornamental design for a brassière, as shown.

103,069
DESIGN FOR A TRUCK TANK
Otto N. Gredell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application July 6, 1936, Serial No. 63,662
Term of patent 7 years



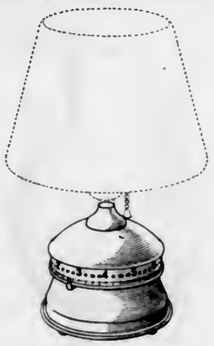
The ornamental design for a truck tank, as shown and described.

103,070
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 10, 1936, Serial No. 65,231
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

103,071
DESIGN FOR A COMBINED REVOLVING CLOCK AND LAMP
Ralph Magro, Jersey City, N. J.
Application October 26, 1936, Serial No. 65,497
Term of patent 7 years



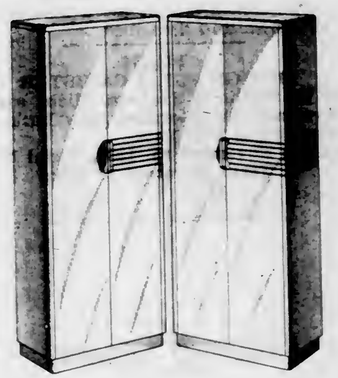
The ornamental design for a combined revolving clock and lamp, as shown.

103,072
DESIGN FOR A CUPBOARD
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 27, 1936, Serial No. 66,146
Term of patent 3½ years



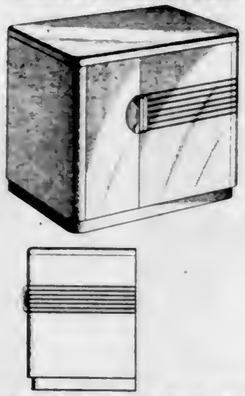
The ornamental design for a cupboard, as shown.

103,073
DESIGN FOR A CUPBOARD
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 27, 1936, Serial No. 66,147
Term of patent 3½ years



The ornamental design for a cupboard, as shown.

103,074
DESIGN FOR A CABINET
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 27, 1936, Serial No. 66,148
Term of patent 3½ years



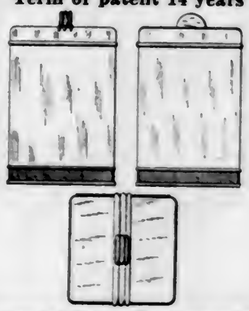
The ornamental design for a cabinet, as shown.

103,075
DESIGN FOR A BLOUSE
Jacob Solomon, New York, N. Y.
Application November 20, 1936, Serial No. 66,029
Term of patent 3½ years



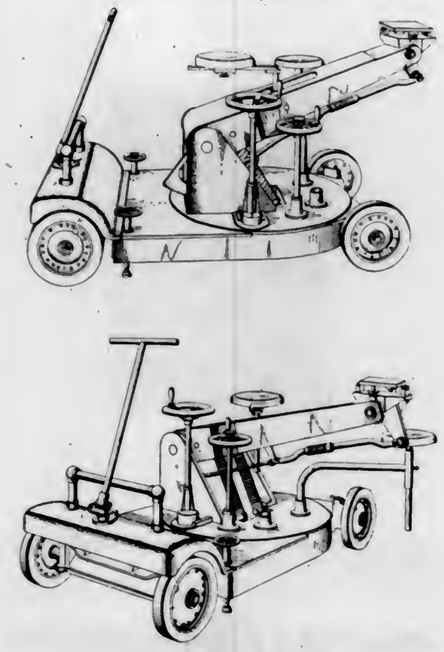
The ornamental design for a blouse substantially as shown and described.

103,076
DESIGN FOR A CANISTER
George W. Stallings, Jackson, Mich., assignor to A. Kreamer, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1936, Serial No. 66,139
Term of patent 14 years



The ornamental design for a canister, as shown.

103,077
DESIGN FOR A PANORAMA DOLLY
Ralph Gordon Fear, Los Angeles, Calif.
Application February 15, 1936, Serial No. 61,193
Term of patent 7 years



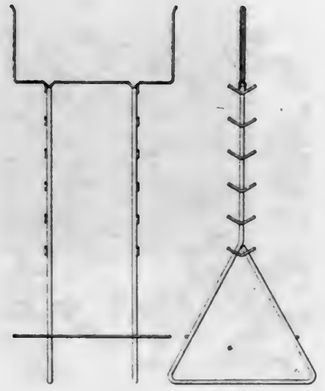
The ornamental design for a panorama dolly, as shown.

103,078
DESIGN FOR A CASING FOR A FRUIT MIXER
Monroe Harrison, Chicago, Ill.
Application November 16, 1936, Serial No. 65,920
Term of patent 14 years



The ornamental design for a casing for a fruit mixer substantially as shown and described.

103,079
DESIGN FOR A DISPLAY STAND
Ole Jordheim, Pasadena, Calif.
Application November 27, 1936, Serial No. 66,170
Term of patent 7 years



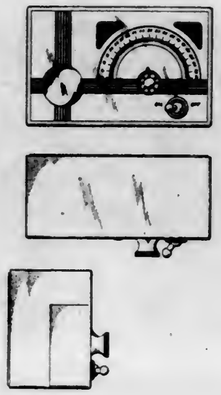
The ornamental design for a display stand substantially as shown.

103,080
DESIGN FOR A COMBINED BOTTLE AND STOPPER THEREFOR
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1935, Serial No. 59,790
Term of patent 14 years



The ornamental design for a combined bottle and stopper therefor, substantially as shown and described.

103,081
DESIGN FOR A RADIO RECEIVING APPARATUS
Charles J. Meyer, Chicago, Ill.
Application December 3, 1936, Serial No. 66,296
Term of patent 14 years



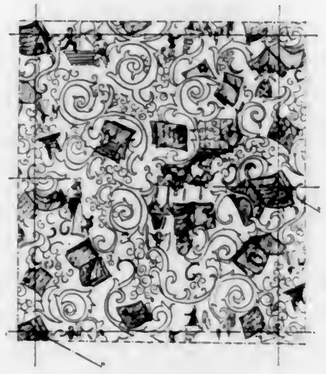
The ornamental design for a radio receiving apparatus, as shown and described.

103,082
DESIGN FOR A BOTTLE
John Akinori Oya and Roy Albert Larson, Honolulu, Territory of Hawaii, assignors to Hollister Drug Company, Ltd., Honolulu, Territory of Hawaii, a corporation of Hawaii
Application November 25, 1936, Serial No. 66,144
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

103,083
DESIGN FOR A TEXTILE FABRIC
Paul Reiman, New York, N. Y.
Application January 6, 1937, Serial No. 66,919
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

103,084
DESIGN FOR A TEXTILE FABRIC
Paul Reiman, New York, N. Y.
Application January 6, 1937, Serial No. 66,920
Term of patent 3½ years



The ornamental design for a textile fabric as shown and described.

103,085
DESIGN FOR A TEXTILE FABRIC
Paul Reiman, New York, N. Y.
Application January 6, 1937, Serial No. 66,921
Term of patent 3½ years



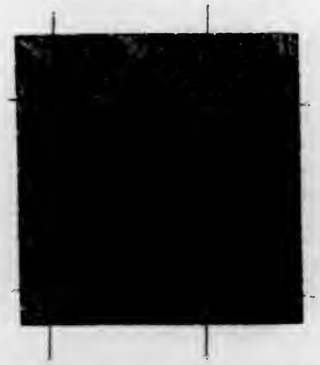
The ornamental design for a textile fabric as shown and described.

103,086
DESIGN FOR A TEXTILE FABRIC
Paul Reiman, New York, N. Y.
Application January 8, 1937, Serial No. 66,947
Term of patent 3½ years



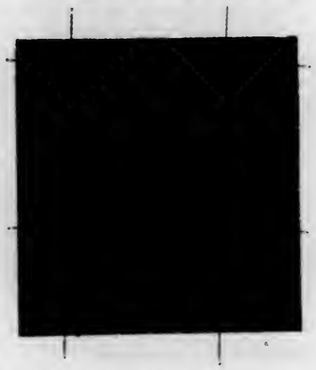
The ornamental design for a textile fabric as shown and described.

103,087
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 11, 1937, Serial No. 66,994
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,088
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 11, 1937, Serial No. 66,995
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,089
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 11, 1937, Serial No. 66,996
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,090
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application January 8, 1937, Serial No. 66,960
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

Patents Nos. 2,069,737 to 2,070,554

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Trade-Marks	234—No.	342,991 to No.	343,224, inclusive.
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Labels	71—No.	48,891 to No.	48,961, inclusive.
Prints	8—No.	16,068 to No.	16,075, inclusive.
Reissues	3—No.	20,261 to No.	20,263, inclusive.
Plant Patents	2—No.	233 to No.	234, inclusive.
Patents	818—No.	2,069,737 to No.	2,070,554, inclusive.
Designs	116—No.	103,091 to No.	103,206, inclusive.
Total	1,283		

Attorneys—Disbarment

(Order No. 3,223)

U. S. Patent Office, *Washington, July 27, 1932.*

Acting under the provisions of section 487 of the Revised Statutes of the United States (U. S. C., title 35, sec. 11), Sigmund Herzog, of New York, N. Y., whose registration is Number 7,356, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

In the District Court of the United States for the District of Columbia

Sigmund Herzog, Petitioner, v. Conway P. Coe, Commissioner of Patents

Disbarment No. 72

Order

The petition for review in the above entitled proceeding having come on for hearing and having been considered after oral argument of counsel for petitioner and counsel for the Commissioner of Patents, it is this 21st day of December, 1936, adjudged, ordered, and decreed that the decision of the Commissioner of Patents of February 28, 1936, denying the petition of Sigmund Herzog for reinstatement to practice before the United States Patent Office, be, and the same is hereby sustained.

ALFRED WHEAT,
Chief Justice.

Adjudicated Patents

(C. C. A. Ill.) Blair patent, No. 1,435,199, for heat insulated receptacle, claims 1, 4 to 7, 10 to 14, 17, 18, and 21 to 24 *Held* invalid. *Mantle Lamp Co. of America* v. *Aluminum Products Co.*, 86 F.(2d) 509.

(D. C. Md.) Cimorosi patent, No. 1,467,755, for toy torpedo, claims 1 to 7, inclusive, *Held* valid and infringed. *Victory Fireworks & Specialty Co.* v. *Commercial Novelty Co.*, 16 F. Supp. 909.

(D. C. Pa.) Shimadzu patent, No. 1,584,149, for method of manufacturing metal powder, claims 1 and 2 *Held* valid and infringed. *Genzo Shimadzu* v. *Electric Storage Battery Co.*, 17 F. Supp. 42.

(D. C. Pa.) Shimadzu patent, No. 1,584,150, for process of manufacturing powder of lead suboxide intermingled with powder of metallic lead, claims 1 to 4, 6, 8 to 13 *Held* valid and infringed and claims 14 to 17 *Held* valid but not infringed. *Id.*

(D. C. Pa.) Shimadzu patent, No. 1,584,151, for process of manufacturing lead oxide, claims 1 to 5 *Held* valid but not infringed. *Id.*

(D. C. Pa.) Shimadzu patent, No. 1,584,152, for paint, claims 1 and 2 *Held* valid but not infringed. *Id.*

(D. C. Pa.) Shimadzu patent, No. 1,584,479, for process of making plates for storage batteries using lead suboxide, claims 1 to 4 *Held* valid but not infringed. *Id.*

(C. C. A. N. M.) Cross patent, No. 1,734,079, for heater, claims 4 and 5 *Held* invalid. *Gasoline Products Co.* v. *Champlin Refining Co.*, 86 F.(2d) 552.

(D. C. Conn.) Bregman patent, No. 1,777,427, for toy telephone, claims 16, 18, 19, 20, and 21 *Held* not infringed. *Steel Stamping Co.* v. *N. N. Hill Brass Co.*, 17 F. Supp. 18.

(C. C. A. Ill.) Heck patent, No. 1,819,776, for cinematograph screen, *Held* invalid. *National Theatre Supply Co.* v. *Da-Lite Screen Co.*, 86 F.(2d) 454.

(C. C. A. N. M.) Howard and Loomis patent, No. 1,869,337, for art of converting oil, claims 7 to 11, inclusive, *Held* not infringed. *Gasoline Products Co.* v. *Champlin Refining Co.*, 86 F.(2d) 552.

(D. C. Pa.) Shimadzu patent, No. 1,896,020, for apparatus for the continuous production of lead oxides in the dry state, claims 10 and 11 *Held* valid and infringed. *Genzo Shimadzu* v. *Electric Storage Battery Co.*, 17 F. Supp. 42.

Condition of Applications Under Examination at Close of Business January 23, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,286; Trade-Mark Division, 1,767. Oldest new case, July 8, 1936; oldest amended, July 8, 1936.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest amended application awaiting office action: Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 8	Nov. 20	353
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Aug. 28	Aug. 28	1021
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 9	Nov. 4	471
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Sept. 26	Sept. 23	596
3077	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Oct. 28	Oct. 28	434
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Sept. 23	Sept. 23	716
5725	7. JARBOE, C. G., Optics; Photography	Oct. 26	Oct. 26	804
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 12	Oct. 16	444
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 3	Nov. 4	401
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Oct. 24	Oct. 24	366
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 30	Oct. 23	398
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Oct. 27	Oct. 27	379
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 11	Nov. 11	463
5097	14. SMITH, G. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Oct. 9	Oct. 9	561
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 24	Oct. 24	903
5612	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 5	Oct. 5	673
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 26	Oct. 26	567
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 24	Sept. 23	476
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 8	Oct. 6	668
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 8	Oct. 5	461
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 23	Oct. 23	611
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 29	Oct. 29	585
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	July 8	July 8	497
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 26	Oct. 29	584
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 23	Oct. 23	566
5893	26. ADAMS, W. M., Electricity; Generation; Motive Power	Nov. 6	Nov. 10	327
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Aug. 24	Aug. 24	803
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Oct. 19	Oct. 14	325
5082	29. SIKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Oct. 23	Oct. 23	513
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 23	Sept. 23	669
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 26	Oct. 23	449
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation, Agitating.	Oct. 24	Oct. 30	451
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Oct. 5	Oct. 5	694
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 24	Oct. 23	321
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 19	Oct. 6	645
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 17	Oct. 19	265
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 9	Oct. 6	637
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Nov. 2	Nov. 6	374
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 25	Nov. 24	315
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 24	Sept. 23	1095
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Sept. 5	Sept. 23	548
5882	42. CUTTING, H. O., Electric Signaling	Oct. 24	Oct. 17	411
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Oct. 23	Oct. 23	605
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Sept. 29	Oct. 1	641
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 15	Oct. 17	340
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 6	Oct. 12	545
7600	47. BARKER, H., Clutches; Brakes	Oct. 26	Oct. 24	468
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Oct. 24	Oct. 24	526
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 6	Nov. 16	380
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Oct. 23	Oct. 23	522
5928	51. BACKUS, C. D., Radiant Energy	Oct. 23	Oct. 23	706
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 5	Oct. 31	666
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 17	Sept. 16	962
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Oct. 28	Oct. 28	277
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 10	Sept. 10	700
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Oct. 19	Oct. 19	944
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Oct. 8	Oct. 10	491
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 28	Oct. 23	272
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Oct. 28	Oct. 30	409
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Sept. 23	Sept. 23	601
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 29	Oct. 7	246
3876	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 19	Oct. 26	450
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Oct. 17	Oct. 17	503
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Oct. 24	Oct. 24	773
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 15	Aug. 14	795
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Trade-Marks: Dec. 12	Dec. 28	1515
		Labels and Prints: Dec. 23	Jan. 8	252
2605	Designs, H. H. KALUPY	Dec. 14	Jan. 4	624

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Copeman

No. 3,673. Decided November 30, 1936

Patentability—Confectionary Product and Method. Claims for a confectionary product composed of a frozen confection within a toy balloon container and claims for the method of storing frozen substances in, and dispensing same from, such container *Held* unpatentable over the prior art.

Appeal from the Patent Office. Affirmed.

Messrs. Bacon & Thomas, Messrs. Barnes, Kisselle & Laughlin, Mr. Francis D. Thomas and *Mr. John M. Kisselle* for Copeman.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

Garrett, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of an Examiner denying the patentability of claims 1, 2, 3, 6, 7, 9, 10, 15, 16, 17 in appellant's application for a patent upon an article and upon the method of showing and dispensing same. The article is described, in claim 1, as:

A confectionary product including a molded, solid, frozen confection within a toy balloon dispensing container.

Claim 15 is illustrative of the method claims:

The method of storing and dispensing frozen substances, which consists in freezing the substance into a predetermined shape, stretching an elastic container, inserting the frozen substance within the stretched container, and then allowing the container to collapse around the frozen substance to substantially enclose the same.

Claims 3 and 7 seem to be restricted to a pliable container capable of being rolled back from the confection. Claim 3 is illustrative of these:

A frozen confectionary product including a molded frozen confection substantially encased in a unitary container of quite pliable heat insulating material, said container being capable of being rolled back from said frozen confection without rupturing said container.

The frozen confection referred to is usually ice cream, or the like, and, while some of the claims seem to be broad enough to cover freezing the product in the container, it is explained in the specification that ordinarily the confection is first frozen into a predetermined shape and then inserted into the rubber container, the mouth of which is stretched to admit the frozen confection, and that the container, after the admission of the confection, collapses around it. The person eating the confection gradually, or "progressively", rolls back the container from its opening or mouth, and after the confection has been eaten the container is left in the form of a toy balloon.

A number of references were cited, but those actually relied upon by the Examiner seem to have been: Lustig, 797,775, August 22, 1905; McCurdy, 1,190,181, July 4, 1916; Burt, 1,470,524, October 9, 1923; Goewey, 1,826,930, October 13, 1931; Warrick (Br.), 16,258, of 1900.

Claims 1 to 3; 6, 7, 9, and 10 (the product claims) were rejected by the Examiner on either Lustig or McCurdy in view of Warrick, and 15 to 17 (the method claims) "on McCurdy, Burt, Lustig in view of Warrick when taken with the disclosure of Goewey."

The decisions of the Board (a second decision having been written upon a petition for rehearing as to claims 3 and 7) mention specifically only the Burt, Lustig and Warrick patents, but the others are not overruled. Warrick seemingly was regarded by the Board as the principal reference.

The patent to Warrick is a British patent, entitled "Receptacle for soap in paste and for toilet pastes." His container is described as being "made of flexible india rubber of any suitable shape and provided with a suitable opening. A simple form is that of the toy india rubber balloon, * * *." The soap, or other preparation, "of a pasty consistency", is ejected from the container by squeezing or pressing the container. In other words, the patentee substituted flexible rubber containers for collapsible tin tubes.

The patent to Lustig is for a "Water-ice and ice-cream cartridge" and discloses a holder or container in the form of a "compressible cartridge or capsule" closed at one end and having an opening at the other end approximating in size the size of the closed end, the cartridge being formed "of any heat-conducting material—such as heavy tin foil, soft gelatin, sheet-lead—* * *." In use the holder is compressed by hand, and it is taught that the warmth of the hand softens the contents of the holder.

Burt's patent is for a process of making frozen confections, and discloses, as stated by the Examiner,

"the forming of a solid block of confection material over which is placed a distended sack of waxed or glazed paper to act as a covering for the frozen confection."

The confection seems to be, as appellant at one place in the record describes it, "the well-known frozen ice cream on a stick" with a paper envelope around it.

The patent to McCurdy discloses the placing of an ice cream mix in a rubber bag and freezing it in the bag, kneading the freezing mixture as desired.

Goewey shows a method of applying a cap to a bottle by distorting a gelatin or viscose capsule, thrusting a stopped bottle into it and then permitting the capsule to shrink into the bottle so as to cap and close it.

In view of the teachings of the prior art, the tribunals of the Patent Office were of the opinion that no invention was present in the novelty which constitutes appellant's product and that the method described does not constitute invention.

Appellant has failed to convince us that there was error in such finding.

It may be conceded that the product is novel and that the prior art, so far as presented here, discloses nothing just like it, but when such art is combined, as reasonably it may be, it seems to us that nothing more than mechanical skill was required to put the frozen confection into the toy balloon, nor can we discern any invention in the limitation defined in claims such as 3 and 7, relating to capability of the container being progressively rolled back from its open to its closed end as the confection is being eaten. The capability so referred to is inherent in the article used as a container. Neither, in our opinion, does the fact that, after the confection is eaten, the toy balloon remains ready for use as such, lend patentability.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,372,870, J. W. Droll, Work supporting table, D. C., N. D. Ill., Doc. 15413, *J. W. Droll Co.* v. *A. Brandwein & Co.*, filed Nov. 25, 1936; D. C., S. D. N. Y., Doc. E 84–226, *J. W. Droll Company* v. *K. P. Williams Co., Inc.*, filed Dec. 28, 1936.

1,381,641, A. S. Jay, Music rolls for piano players and method of producing same, filed Jan. 18, 1933, D. C., S. D. Calif., Doc. Y 124 C Eq., *A. S Jay* v. *Paramount Publix Corp., Paramount Productions, Inc., Paramount Famous Lasky Corp.* Dismissed with prejudice and without costs, Nov. 20, 1936.

1,382,513, O. N. Kelly, Collar fastener or clasp, filed Jan. 9, 1935, D. C., N. D. Ill., Doc. 14283, *C. I. Greener* v. *L. Heller & Company.* By stipulation, dismissed Dec. 17, 1936.

1,410,499, A. Pacz, Metals and their manufacture, filed Dec. 14, 1936, D. C., N. D. Ohio (Toledo), Doc. E 1576, *General Electric Company* v. *Save Electric Corp. and First Lamp Co.*

1,431,670, J. Klein, Parlor floor lamp, filed Aug. 25, 1936, D. C., N. D. Ill. (Chicago), Doc. 15317, *Mitchell Manufacturing Co.* v. *Colonial Premier Co.* Dismissed on motion of plaintiff, Sept. 11, 1936.

1,460,492, H. S. Latz, Communication sheets, filed Dec. 21, 1936, D. C., S. D. N. Y., Doc. E 84–219, *H. Latz and H. Latz Service, Inc.*, v. *Lobol Bros. Service Stations, Inc.*

1,467,831, W. S. Barnickel, Processes for treating petroleum emulsions, filed D. C., E. D. Tex. (Tyler), Doc. E 1003, *The Treolite Co.* v. *Constantin & Co.*

1,470,272, R. I. Belcia, Engine controlled clutch releasing means, filed Oct. 21, 1931, D. C., N. D. Ill. (Chicago), Doc. 10989, *Ross Ivanhoe Belcia and Bragg-Kliesrath Corp.* v. *Safety Free-Wheeling Co., Inc.* Dismissed without prejudice Dec. 11, 1936.

1,474,152, A. A. Kent, Induction coil, appeal filed Dec. 23, 1936, C. C. A., 2nd Cir. (N. Y. C.), Doc. 15164, *General Motors Corp. and A. A. Kent* v. *Preferred Electric & Wire Corp.*

1,487,189, L. J. Wahl, Clippers, filed Oct. 4, 1933, D. C., N. D. Ill., Doc. 13505, *L. J. Wahl* v. *Brown & Sharpe Co.* Final decree finding claim 2 of patent valid and infringed, granting injunction Aug. 10, 1936.

1,498,269, J. J. Harris, Adhesive materials, filed June 2, 1936, D. C., N. D. Ill., Doc. 15229, *J. J. Harris* v. *National Casein Co.* Dismissed Nov. 4, 1936.

1,511,816, T. Marston and W. S. Lawrence, Transfer and transfer ink, filed Jan. 26, 1935, D. C., S. D. N. Y., Doc. E 79–318, *Kaumagraph Co.* v. *General Trade Mark Corp.* Final decree dismissing complaint (notice Dec. 22, 1936).

1,526,982, E. W. Hill, Stencil-sheets, filed June 17, 1936, D. C., N. D. Ill., Doc. 15241, *A. B. Dick Co.* v. *I. I. Kaplin et al.* Consent decree for plaintiff granting injunction June 26, 1936; filed Feb. 4, 1935, D. C., N. D. Ill., Doc. 14308, *A. B. Dick Co.* v. *T. P. Dwyer and E. C. Whitman, individually, and d. b. a. Duplicator Supply Co.* Consent decree for plaintiff granting injunction Sept. 15, 1936; filed Nov. 21, 1936, D. C., Colo. (Denver), Doc. 10851, *A. B. Dick Co.* v. *H. G. Frankel.* Decree for plaintiff, injunction allowed, no accounting nor costs, with stipulation, Dec. 31, 1936.

1,536,844, W. Harrison and J. H. Waterbury, Lighting units, filed Jan. 7, 1937, D. C., S. D. N. Y., Doc. E 84–243, *The Miller Co.* v. *The Edwin F. Guth Co.*

1,578,236, H. E. La Bour, Centrifugal pump, filed Aug. 30, 1935, D. C., N. D. Ohio (Cleveland), Doc. 5310, *H. E La Bour and The La Bour Co., Inc.*, v. *Gorman-Rupp Co.* Dismissed with costs to defendant Dec. 31, 1936.

1,584,531, H. L. Hagan, Stereoptican slides, filed Aug. 25, 1936, D. C., N. D. Ill., Doc. 15318, *P. S. Fischer* v. *Screeno Amusement Co.* Dismissed on motion of plaintiff Nov. 10, 1936; filed Oct. 22, 1936, D. C., S. D. Iowa, Doc. E 4616, *F. Brady (d. b. a. Screeno Amusement Co.)* v. *Sho-Keeno, Inc.* Decree pro confesso Dec. 21, 1936.

1,614,042, T. E. Pennock and M. H. Gregg, Container capping machines, filed Apr. 13, 1936, D. C., N. D. Ill., Doc. 15121, *Standard Automatic Machine Co.* v. *U. S. Bottlers Machinery Co.* Dismissed without prejudice Dec 3, 1936.

1,638,614, F. G. Brewster, Electromagnetic indicator, filed Mar. 7, 1933, D. C., Vt. (Burlington), Doc. 139, *F. G. Brewster* v. *General Motors Corp. and Miller Automobile Co.* Dismissed without prejudice Dec. 28, 1936.

1,645,370, W. E. Callison, Amusement devices, filed Apr. 28, 1933, D. C., N. D. Ill., Doc. 13212, *W. E. Callison* v. *D. Gottlieb.* Dismissed for want of equity Sept. 6, 1934. Rehearing denied Apr. 20, 1936.

1,664,096, J. L. Sullivan, Furring and fastening device, filed Dec. 10, 1936, D. C., N. D. Calif., Doc. E 4111–S, *S. B. Sullivan* v. *Planett Mfg. Co.*

1,664,508, P. S. Harper, Gas burner, filed Oct. 29, 1934, D. C., N. D. Ill., Doc. 14160, *P. S. Harper and Harper-Wyman Manufacturing Co.* v. *G. D. Roper Corp.* Dismissed without prejudice Oct. 28, 1936.

1,679,828, S. J. Johnson, Garment bag, filed Oct. 16, 1936, D. C., N. D. Ill., Doc. 15373, *Copay Corp.* v. *Cromwell Paper Co.* Consent decree finding patent valid, injunction granted Nov. 16, 1936.

1,703,495, C. M. MacChesney and J. E. Ott, Method of and means for loading freight cars, filed June 27, 1934, D. C., N. D. Ill., Doc. 13959, *Acme Steel Co.* v. *The Stanley Works, Stanley Works of Illinois, Inc., and The Coca-Cola Co.*

1,714,719, N. Mestel and J. Berman, Brackets for display fixtures, filed Dec. 14, 1936, D. C., S. D. N. Y., Doc. E 84–210, *N. Mestel and J. Berman (d. b. a. Mestal Bros. Co.)* v. *C. I. Silberman Co., Inc., C. I. Silberman, S. Silberman, J. Silberman; and C. I. Silberman, S. Silberman, J. Silberman, copartners (d. b. a. Parker Hardware Manufacturing Co.); and A. S. Yarmush and D. Sanders (d. b. a. S. & D. Hardware Co.); and Pearl & Boriss Co., Inc*

1,776,957, J. Sneed, Four-wheel brakes, filed Aug. 7, 1936, D. C., N. D. Ill., Doc. 10764, *Steeldraulic Brake Corp. et al.* v. *Bendix Brake Co.* Dismissed without prejudice Oct. 16, 1936.

1,779,966, A. A. English, Razor blade sharpener, filed Nov. 29, 1930, D. C., N. D. Ill., Doc. 10209, *A. A. English* v. *V. Levy (d. b. a. Victor Manufacturing Co.).* Decree after default for injunction Nov. 19, 1936.

1,791,175, W. E. Tomlinson, Feeding device, filed Dec. 17, 1936, D. C., E. D. Mich., Doc. 7824, *W. E. Tomlinson* v. *Crowley Milner & Co.*

1,800,558, J. L. Moran and A. J. Lee, Goggles, filed Sept. 20, 1932, D. C., N. D. Ill., Doc. 12260, *R. Malcom and Chicago Eye Shield Co.* v. *Protective Equipment, Inc., et al.* Dismissed for want of equity June 19, 1935: Mandate U. S. C. C. A., affirming decree Dist. Ct., Sept. 16, 1936.

1,812,971, H. E. McCandless, Infant's combination bath tub and dressing table, filed June 19, 1934, D. C., N. D. Ill., Doc. 13936, *Storkline Furniture Corp.* v. *Kroll Brothers Co.* Dismissed by stipulation Nov. 18, 1936.

1,822,177, S. A. Tenuta, Buckle, filed Feb. 4, 1936, D. C., N. D. Ill., Doc. 15041, *S. A. Tenuta* v. *The William D. Gibson Co et al.* By stipulation dismissed without prejudice Nov. 20, 1936.

1,836,724, W. J. Oakley, Inlaid store front, filed May 12, 1936, D. C., E. D. N. Y. (Brooklyn), Doc. E–7954, *W. J. Oakley* v. *Silver Standards, Inc.* Decree favor defendant Dec. 30, 1936.

1,848,182, C. J. Koebel, Art of setting diamonds, filed Dec. 22, 1936, D. C., E. D. Mich. (Detroit), Doc. 7826, *Koebel Diamond Tool Co.* v. *Capitol Diamond & Tool Co., Inc., J. K. Smit & Sons Inc., J. K. Smith & Sons of Michigan, Inc.*

1,868,173, J. J. Low, Running gear, filed Dec. 14, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 1073–M, *Six Wheel Corp.* v. *Moreland Motor Truck Co.*

1,877,490, O. C. Berry, Pistons, filed Dec. 31, 1936, D. C., E. D. Mich. (Detroit), Doc. 7828, *O C. Berry* v. *Bohn Aluminum & Brass Corp.*

1,882,247, S. D. Levings, Coffee urn, filed Aug. 24, 1933, D. C., N. D. Ill., Doc. 13459, *The Bastian-Blessing Co. et al.* v. *W. F. Traub and G. H. Estabrooke etc.* By stipulation, dismissed without costs, Nov. 4, 1936.

1,894,302, A. Burke, Lamp shades, filed June 19, 1934, D. C., S. D. N. Y., Doc. E 78–205, *The Parchlite Corp.* v. *Idealite, Inc.* Dismissed without prejudice and with costs to be taxed (notice Dec. 29, 1936).

1,899,420, W. S. Lawrence, Transfer and transfer composition, filed Feb. 28, 1934, D. C., S. D. N. Y., Doc. E 77–215, *Kaumagraph Co.* v. *General Trade Mark Corp. and D. Capuozzo.* Dismissed (notice Dec. 22, 1936).

1,901,390, C. E. Lyman, Jr., Sights, appeal filed May 19, 1936, C. C. A., 10th Cir. Colo. (Denver), Doc. 1425, *The Lyman Gun Sight Corp.* v. *The Redfield Gun Sight Corp.* Decree of Dist. Ct. affirmed Dec. 30, 1936.

1,904,316, A. Kullman, Picker for fly shuttle loom, appeal filed Aug. 11, 1936, C. C. A., 4th Cir., N. C. (Charlotte), Doc. 4099, *R. W. McKee and H. Perpall (d. b. a. Philadelphia Belting Co.)* v. *Graton & Knight Co.* Decree of Dist. Ct. affirmed Jan. 5, 1937.

1,905,392, A. Breydberg, Tying strand or strip, filed June 5, 1936, D. C., S. D. N. Y., Doc. E 83–156, *Freydberg Bros. Inc.*, v. *G. Hartog and A. Unger (d. b. a. Atlas Yarn Mfg. Co).* Consent decree favor plaintiff and granting injunction (notice Jan. 2, 1937).

1,926,443, W. W. Jackson, Fireplace screens, filed Dec. 14, 1936, D. C., S. D. N. Y., Doc. E 84–209, *W. W. Jackson* v. *W. H. Jackson Co.*

1,927,281, R. G. Fleming, Harvesters, filed June 11, 1936, D. C., S. D. Iowa, Doc. E. 4610, *R. G. Fleming* v. *Allis Chalmers Mfg. Co.* Dismissed Dec. 22, 1936.

1,929,315, O. W. Johnson and C. H. Johnson, Lamp shade, filed Jan. 3, 1936, D. C., N. D. Ill., Doc. 15007, *Flect-O-Lite Corp.* v. *Sher Bros. Manufacturing Co.* Dismissed for want of prosecution at plaintiff's cost and judgment Apr. 21, 1936.

1,937,899, J. H. Le Coney, Training panties, filed Nov. 6, 1935, D. C., N. D. Ill., Doc. 14908, *Earnshaw Knitting Co.* v. *Rubens & Marble, Inc.* Dismissed at plaintiff's costs Oct. 28, 1936.

1,946,885, C. A. Schmidt and A. B. Ashton, Internal combustion engine exhaust heater, filed Nov. 20, 1936, D. C., N. D. Ill., Doc. 15406, *Excel Auto Radiator Co.* v. *Chicato Manufacturing Co.*

1,956,613, J. I. Corn and R. E. Hyatt, Heat transfer facilities in ice-cream freezers, filed Mar. 11, 1935, D. C., N. D. Ill., Doc. 14361, *Tuthill Pump Co.* v. *R. E Gebhardt Co.* Dismissed without costs, Oct. 28, 1936.

1,967,674, A. S. Knapp, Heating pad, filed Nov. 30, 1936, D. C. Del. (Wilmington), Doc. E 1197, *Knapp-Monarch Co.* v. *Samson United Corp.* Consent decree, dismissing bill, Dec. 31, 1936; filed Sept. 11, 1936, D. C., N. D. Ill., Doc. 15,345, same parties. Dismissed on motion of plaintiff Nov. 5, 1936.

1,974,535, A. M. Graffis, Motor vehicles, filed Nov. 17, 1936, D. C., N. D. Ill., Doc. 15403, *K. M. Graffis, L. H. Vanderlip et al.* v. *Cadillac Motor Car Co., and General Motors Corp.*

1,987,004, L. U. Eyerly, Amusement device, filed Apr. 15, 1935, D. C., S. D. Calif., Doc. E 643–J, *L. U. Eyerly* v. *E. Branson, J. Branson et al.* Decree favor plaintiff Dec. 31, 1936.

1,998,769, W. T. Partridge, Lamp shade, filed Aug. 5, 1936, D. C., S. D. N. Y., Doc. E 83–279, *Idealite, Inc.*, v. *Industrial Studio Inc* Dismissed without prejudice (notice Jan. 2, 1937).

2,009,312, M. P. Fugle, Refrigerating unit, filed Dec. 19, 1936, D. C., N. D. Ill., Doc. 15485, *Commercial Coil & Refrigeration Co.* v. *Larkin Refrigerating Corp. et al.*

2,041,134, L. Kassler, Speed measuring apparatus, filed Dec. 21, 1936, D. C., N. D. Ill. (Chicago), Doc. 15486, *Elkay Manufacturing Corp.* v. *Stewart-Warner Corp. et al.*

2,041,196, W. F. Liska, Folding prie dieu, filed Sept. 21, 1936, D. C., N. D. Ill. (Chicago), Doc. 15358, *Holland Brass Works, Inc.*, v. *F. Wojtalewicz (d. b. a. Prie Dieu Art Works, etc.).* Consent decree favor plaintiff Nov. 27, 1936.

2,042,604, E. S. King, Projector slides, filed Dec. 7, 1936, D. C., N. D. Ill. (Chicago), Doc. 15419, *P. S. Fischer & Hollywood Amusement Co.* v. *S. M. Gertz (d. b. a. Screen Games Attractions, Ltd.).*

2,045,630, B. Bratman, Stitched cloth and processes of manufacturing same, filed Jan. 6, 1937, D. C., S. D. N. Y., Doc. E 84–239, *B. Bratman* v. *Modern Pleating Co., Inc.*

2,061,329, F. J. Reilly, Process and apparatus for conditioning commodities, filed Dec. 1, 1936, D. C. Del. (Wilmington), Doc. E 1198, *Produce Conditioners, Inc.*, v. *General American Precooling Corp.*

Des. 87,097, J. J. Klecka, Finger ring, filed June 18, 1935, D. C., S. D. N. Y., Doc. E 80–323, *J. R. Wood & Sons, Inc.*, v. *Shiman Bros. & Co., Inc.* Dismissed without prejudice (notice Jan. 6, 1937).

Des. 97,799, A. Bulova, Terminal link for a watch bracelet or similar article, filed Dec. 29, 1936, D. C., S. D. N. Y., Doc. E 84–228, *Bruner-Ritter, Inc.*, v. *O. M. Lazrus, B. Lazrus, S. R. Lazrus (d. b. a. Benrus Watch Co.) and O. M. Lazrus, B. Lazrus, S. R. Lazrus (d. b. a. Central Watch Co.) and the Benrus Mfg. Co., Inc.*

Des. 100,535, A. J. Ackerman, Combined ash trays and support therefor, filed Nov. 24, 1936, D. C., N. D. Ill., Doc. 15410, *Manning, Bowman & Co. et al.* v. *General Chromium & Copper Corp. et al.*

Des. 101,310, A. Lehmann, Embroidered fabric, filed Oct. 27, 1936, D. C., S. D. N. Y., Doc. E 84–85, *Lehmann & Naegeli, Inc.*, v. *Rujane Frocks, Inc.* Consent decree for plaintiff (notice Jan. 8, 1937).

Des. 101,923, C. J. Romer, Combination corsage handkerchief and perfume container, filed Jan. 7, 1937, D. C., S. D. N. Y., Doc. E 84–242, *C. J. Romer (d. b. a. Parfum Imports)* v. *Gotham Sales Co., Inc., and Universal Merchandise Co., Inc.*

Des. 102,352, J. J. Blackstone, Textile fabric, filed Jan. 4, 1937, D. C., S. D. N. Y., Doc. E 84–237, *J. J. & M. Blackstone, Inc.*, v. *D. Kugelman (d. b. a Economic Embroidery Co.)*

Des. 102,475, J. J. Blackstone, Embroidered textile fabric, filed Dec. 29, 1936, D. C., S. D. N. Y., Doc. E 84–229, *J. J. & M. Blackstone, Inc.*, v. *Melris Lace, Inc.*

Des. 102,476, J. J. Blackstone, Embroidered textile fabric, filed Jan. 4, 1937, D. C., S. D. N. Y., Doc. E 84-236, *J. J. & M. Blackstone, Inc.*, v. *Clover Lace Sales Corp.*

T. M. 44,462 (Label) Chinese Trading Co. Corp., Ming Foy chop suey vegetables, filed June 20, 1935, D. C., N. D. Ill., Doc. 14623, *Chinese Trading Co.* v. *B. Zaremba et al.* (*d. b. a. Hong Kong Food Products Co.*) Dismissed without prejudice Apr. 15, 1936.

T. M. 321,009, The American Medicinal Spirits Co., Whiskey, filed Dec. 16, 1936, D. C., N. D. Ill., Doc. 15480, *National Distillers Products Corp.* v. *Paramount Distilling Corp.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,889,813, B. D. Smith, Golf driving device, decided November 20, 1936, claims 14, 15, 16, and 17.

Pat. 1,896,936, B. Bornkessel, E. Breitling, W. Brauer, and K. A. Lehmann, Book keeping machine, decided November 24, 1936, claim 58.

Pat. 2,035,944, M. P. Browne, Brass or stay for hinged covers and the like, decided January 14, 1937, claims 2, 3, and 4.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Jan. 9, 1937.*

Acme Products Limited, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by J. C. Eno (U. S.) Limited, Belmont Building, Madison Avenue at 34th Street, New York, N. Y., to effect the cancellation of trade-mark registrations of Acme Products Limited, 6533 East Jefferson Street, Detroit, Mich., and Winnipeg, Canada, No. 248,117, dated October 16, 1928, and No. 249,926, dated November 27, 1928, and the notice of such proceeding sent by registered mail to the said Acme Products Limited at the said addresses having been returned by the post office undeliverable, notice is hereby given that unless said Acme Products Limited, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Disclaimers

1,475,932.—*Thomas W. Cappon*, Newark, N. J. INK ERADICATOR. Patent dated December 4, 1923. Disclaimer filed January 16, 1937, by the patentee and the assignee of one-half interest, *Cardinell Corporation.*

Hereby enter the following disclaimer to claim 8:

Petitioners disclaim from the scope of claim 8 any single fluid eradicator in which the solution acting as a decolorizer is not an alkali phosphate.

1,970,835.—*Raymond C. Benner*, Niagara Falls, N. Y. ABRASIVE ARTICLES AND METHOD OF MAKING THE SAME. Patent dated August 21, 1934. Disclaimer filed January 15, 1937, by the assignee, *The Carborundum Company.*

Hereby disclaims from claim 4 any adhesive comprising soft rubber and a synthetic resin except as such adhesive is employed for joining a preformed bonded abrasive article to a rigid backing member;

Thereby disclaiming an adhesive *per se* comprising soft rubber and a synthetic resin, and limiting claim 4 to the combination of a preformed bonded abrasive article and a rigid backing member joined to said bonded abrasive article by an adhesive mixture comprising soft rubber and a synthetic resin.

1,985,597.—*William S. Calcott*, Pennsgrove, N. J., and *Melvin O. Foreman*, Oakharbor, Ohio. FUNGICIDE. Patent dated December 25, 1934. Disclaimer filed January 9, 1937, by the patentees; the assignee, *E. I. du Pont de Nemours and Company*, assenting and concurring.

Hereby enter this disclaimer to that part of the specification, and particularly claims 1, 2, 6, and 7 thereof which is in words as follows, to-wit:—

"1. The method of preserving materials normally subject to attack by fungi which comprises impregnating the materials with a solution of a-nitro-naphthalene.

"2. The method of preserving materials normally subject to attack by fungi which comprises treating the materials with a solution of a-nitro-naphthalene.

"6. The method of protecting wood from fungi and the like which comprises impregnating the wood with a-nitro-naphthalene.

"7. The method of protecting wood from fungi and the like which comprises treating the wood with a solution of a-nitro-naphthalene."

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 9, 1937

[VOL. 475. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 378,850. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 25, 1936.

Santo-Resin

The word "Resin" is disclaimed apart from the mark.

For Resins and Hydrocarbon Polymers Suitable for Use in the Manufacture of Coating Compositions, Molding Compositions, and the Like.

Claims use since April, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 375,570. BALKAN TRUNK & SUITCASE CO., INC., San Francisco, Calif. Filed Mar. 5, 1936.



The representation of the goods is disclaimed.

For Wardrobe Trunks, Dress Trunks, Cabin or Steamer Trunks; Shoe, Shirt Waist, and Hat Trunks; Hand Luggage—Namely, Visiting Cases, Portable Wardrobe Trunks, Taxi Wardrobes, Hat Trunks, Shoe or Boot Trunks; Pullman Cases and Pullman Wardrobes.

Claims use since Feb. 1, 1931.

Ser. No. 386,466. WINSHIP COMPANY, INC., Utica, N. Y. Filed Dec. 7, 1936.

WonderFold

The word "Fold" is disclaimed apart from the mark.

For Trunks, Dress-Suit Cases, and Handbags.

Claims use since Nov. 10, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 384,193. F. L. & J. C. CODMAN COMPANY, Rockland, Mass. Filed Oct. 10, 1936.

RIPPLE

For Buffing Wheels.

Claims use since Mar. 1, 1934.

Ser. No. 385,376. SHULTON, INC., New York, N. Y. Filed Nov. 7, 1936.

SHULTON'S

For Soaps and Shaving Creams.

Claims use since May, 1934.

Ser. No. 385,722. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Nov. 19, 1936.

klex

For Soap.

Claims use since July 16, 1920.

Ser. No. 385,798. PACIFIC COAST BORAX COMPANY, New York, N. Y. Filed Nov. 20, 1936.



The colors red, black, and white are claimed as features of the mark. The representation of the can, per se, is disclaimed.

For Soap and Borax Powder Preparation for Use as a Cleanser.

Claims use since August, 1935.

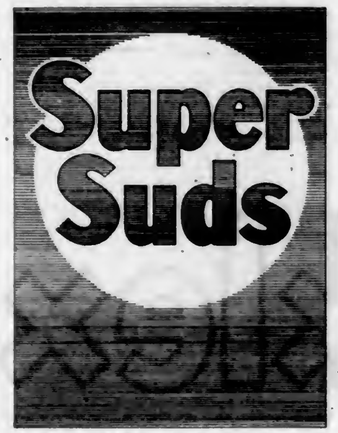
Ser. No. 385,973. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Nov. 25, 1936.

Cashmere Bouquet

For Toilet and Shaving Soap.

Claims use since 1869.

Ser. No. 386,579. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Dec. 10, 1936.



The drawing is lined for blue.

For Soap.

Claims use since Aug. 26, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 365,220. VERA P. TOGSTAD, doing business as C. I. Togstad Company, Kokomo, Ind. Filed May 21, 1935.

TOGSTAD'S
MAGIC

For Water Softener Having Incidental Properties as a Washing and Cleaning Compound.

Claims use since September, 1923.

Ser. No. 376,170. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J. Filed Mar. 19, 1936.

KOTE-RAX

For Preparation Used on Plating Racks to Protect Them from the Electroplating Solutions, Which Preparation is Applied by Heating and Dipping and Forms a Tough Rubber-Like Film Which Does Not Adhere to the Racks but Holds Its Position by Shrinkage.

Claims use since Nov. 12, 1935.

Ser. No. 382,127. CHARLES S. MITTEN, Richmond, Va. Filed Aug. 13, 1936.

MITTEN'S



The term "Mitten's" is disclaimed apart from the mark as shown.

For Liniment for External Use, for Preparations for the Relief of Colds, Croup, Certain Types of Pneumonia, Eczema, Rheumatism, Blood Poison, Neuralgia, Sprains, Bruises, Sore Throat, Cramps, Muscle Pains, Catarrh, Sinus, Pleurisy, and for Reducing Swelling Caused by Insect and Snake Bites, Callouses, Corns, and Bunions.

Claims use since July 25, 1936.

Ser. No. 382,396. THE SLICK-SHINE CO. INC., Newark, N. J. Filed Aug. 20, 1936.

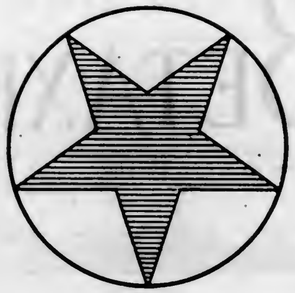


All words except "Champion" and "Slick" are disclaimed apart from the mark.

For Chemical Cleaning Compound—Namely, Beer Pipe Cleaning Compound.

Claims use since 1900.

Ser. No. 384,525. THE O. M. FRANKLIN BLACKLEG SERUM COMPANY, Denver, Colo. Filed Oct. 19, 1936.



For Blackleg Bacterin; Equine Influenza Mixed Bacterin; Mastitis Mixed Bacterin (Bovine); Bovine Mixed Bacterin; Bovine Hemorrhagic Septicemia Bacterin; Bovine Keratitis Mixed Bacterin; Calf Scour Mixed Bacterin; Equine Hemorrhagic Septicemia Bacterin; Equine-Abortion Mixed Bacterin; Hemorrhagic Septicemia Bacterin (Ovine); Ovine Mixed Bacterin; Swine Pulmonary Mixed Bacterin; Hemorrhagic Septicemia Bacterin (Swine); Swine Mixed Bacterin; Bovine Pulmonary Mixed Bacterin; Hemorrhagic Septicemia Aggressin; Fowl Cholera Typhoid Bacterin; Avian Hemorrhagic Septicemia Bacterin; Avian Mixed Bacterin; Roup Bacterin; Bovine-Abortion Vaccine; Calcium Gluconate Solution; Gall Relief; Uterine Capsules; Udder-Eze, a Medicine for Inflamed and Diseased Udders; Screwworm Killer; Mineral Oil for Medicinal Use; Eye Ointment; a Stimulating Liniment; a Fly Repellant Dressing for Use After Dehorning or On Minor Cuts and Wounds; Burn Dressing; Blood Stopper; Bot Capsules; a Protective Dressing and Fly Repellant; Ear Tick Treatment; Antiseptic Dusting Powder; Sheep and Goat Drench Powder; Dehorning Paste; Stock Dip and Disinfectant; Dehorning Paint and Protective Dressing; a Fluid Disinfectant, Antiseptic and Deodorant; Capsules for Flatulant Colic; Coat Dressing, for Restoring Natural Gloss and Luster to Animal Hair; Branding Liquid; Cathartic Capsule for Horses; a Powerful Disinfectant; Kamala Compound; Kamala-Nicotine Poultry Tablets; Foot Rot Treatment; Worm Oil for Hogs; Iodized Oil; a Compound Containing Guaiacol, and Bovine Abortion Vaccine.

Claims use since Oct. 1, 1936.

Ser. No. 385,031. CALIFORNIA DENTAL SUPPLY CO., doing business as Dengene Laboratories, Los Angeles, Calif. Filed Nov. 2, 1936.

DENGENE

For Mouth Wash and Gargle; Ointment for the Treatment of Piles, Hemorrhoids, Fistulae, Chronic Wounds, Acne, Psoriasis of the Skin, Eczema, Skin Eruptions, Dandruff, Athlete's Foot, and Insect Bites; Ointment for the Treatment of Colds, Sore Throat, Bronchial Trouble, Asthma, and Hay Fever; Deodorant, Feminine Hygiene Preparation; Sterilizer and Cleanser for Removing Scale, Lime Deposit, Film, and Tarnish; Topical Anesthetic for Dental Surgery; Germicide, Fungicide, and Tissue Stimulant for Dental Use; Skin Cream and Skin Lotion.

Claims use since Oct. 13, 1936.

Ser. No. 385,581. H. CLAY GLOVER CO., INC., New York, N. Y. Filed Nov. 16, 1936.

Imperial

For Ointment for Sarcoptic Mange, Puppy Capsules, Tetrachlorethylene Capsules, Cod Liver Oil Concentrate Tablets, Disinfectant, and Flea Powder.

Claims use since 1887.

Ser. No. 385,583. THE HOWELL COMPANY, INC., New Orleans, La. Filed Nov. 16, 1936.

CRE-O-TONE

For Medicinal Preparation Recommended for Kidney, Liver, Bladder and Urinary Disorders.

Claims use since 1927.

Ser. No. 385,584. THE HOWELL COMPANY, INC., New Orleans, La. Filed Nov. 16, 1936.

GRAV-I-TONE

For Medicinal Preparations Recommended for Kidney, Liver, Bladder, and Urinary Disorders.

Claims use since 1928.

Ser. No. 385,735. THE JOHNSON-MARCH CORPORATION, New York, N. Y. Filed Nov. 19, 1936.

COALAID

For Composition for the Treatment of Coal to Render it Dustless and Prevent Freezing.

Claims use since September, 1934.

Ser. No. 385,760. UNITED DRUG COMPANY, Boston, Mass. Filed Nov. 19, 1936.

EPRINAL

For Solution of the Blood-Pressure-Raising Principle of the Suprarenal Gland.

Claims use since Oct. 26, 1936.

Ser. No. 385,763. ELMER O. VÖLKMANN, doing business as The Volcrit Company, Milwaukee, Wis. Filed Nov. 19, 1936.

VOLCRIT



The drawing is lined for green.
For Medicinal Preparation Recommended for the Treatment of Athlete's Foot.
Claims use since Nov. 10, 1936.

Ser. No. 385,938. NYANZA COLOR & CHEMICAL CO. INC., New York, N. Y. Filed Nov. 24, 1936.

RAYNITOL

For Chemicals and Waterproofing Materials for the Treatment of Textiles, Fibres, and Fabrics in Finished Form, Furs, Leather, and Paper.
Claims use since April, 1929.

Ser. No. 385,974. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Nov. 25, 1936.

Cashmere Bouquet

For Liquid and Powder Perfume, Toilet Water, Face Powder, Talc Powder, Vanishing Cream, Cold Cream, Hand and Face Lotion, Lipstick, and Brilliantine.
Claims use since 1869.

Ser. No. 386,051. CHARLES A. THAYER, doing business as The Thayer Chemical Co., Topeka, Kans. Filed Nov. 27, 1936.

CALCI-REX

For Organic Calcium Compound for Oral Use Prescribed in Cases where there is a Deficiency of Calcium and for Building up the Teeth.
Claims use since Nov. 1, 1934.

Ser. No. 386,088. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Nov. 28, 1936.

BETAXIN

For Synthetic Crystalline Vitamin B_1.
Claims use since Nov. 12, 1936.

Ser. No. 386,093. HUNTER ANDERSON, doing business as Tortuga Products Company, Phoenix, Ariz. Filed Nov. 30, 1936.



For Cosmetics—Namely, Face Creams, Lotions, Muscle Oils, Face Softener, Face Powder, Lip Stick, and Rouge.
Claims use since Nov. 1, 1936.

Ser. No. 386,100. CU-SOL PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 30, 1936.

CUSOL

For Colloidal Copper.
Claims use since Mar. 14, 1936.

Ser. No. 386,101. CU-SOL PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 30, 1936.

CUSOLIN

For Colloidal Copper Used as a Therapeutic Agent.
Claims use since Oct. 6, 1936.

Ser. No. 386,124. PATENT CEREALS COMPANY, Geneva, N. Y. Filed Nov. 30, 1936.

REX



For Chemical Preparation for a Wall Paper Remover.
Claims use since Nov. 18, 1936.

Ser. No. 386,133. VAPO-EFRIN COMPANY, INC., Portland, Oreg. Filed Nov. 30, 1936.

Vapo-efrin

For Solution Used in the Treatment of Asthma and Hay Fever.
Claims use since July 15, 1936.

Ser. No. 386,260. S. H. KRESS AND COMPANY, New York, N. Y. Filed Dec. 3, 1936.



For Borated Baby Talcum.
Claims use since Sept. 17, 1932.

Ser. No. 386,372. MARATHON PAPER MILLS COMPANY, Rothschild, Wis. Filed Dec. 5, 1936.

MARATAN

For Tannery Materials and Extracts in Both Liquid and Solid Forms, Both of Which Contain Lignin-Sulphonic Acid Compounds.
Claims use since Aug. 2, 1932.

CLASS 12

Construction Materials

Ser. No. 383,596. THE R. C. A. RUBBER COMPANY, Akron, Ohio. Filed Sept. 24, 1936.

"FLEXI-FLOR"

The word "Flor" is disclaimed apart from the mark.
For Rubber Composition Flooring Materials or Rubber Tiling.
Claims use since Sept. 21, 1934.

Ser. No. 383,598. THE R. C. A. RUBBER COMPANY, Akron, Ohio. Filed Sept. 24, 1936.

WALL-FLEX

For Rubber Tiling in Sheet or Block Form for Wainscoting and Wall Surfaces.
Claims use since Nov. 1, 1935.

Ser. No. 386,266. THE NAILCRETE CORPORATION, New York, N. Y. Filed Dec. 3, 1936.

NAILCRETE

For Cementitious Building Material.
Claims use since Nov. 27, 1915.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 372,446. THE THERMO SERVICE COMPANY, INC., Chicago, Ill. Filed Dec. 9, 1935.

THERMO SERVICE

The word "Service" is disclaimed except as used in connection with the words "Thermo Service".
For Metal Rings and Covers for Use in Serving Food in Dining Rooms, Restaurants, Etc.
Claims use since December, 1925.

Ser. No. 377,578. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Filed Apr. 24, 1936.

OVENEX

For Base Metal Bake Pans and Cooking Hollow Ware.
Claims use since Dec. 21, 1935.

Ser. No. 384,775. U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Oct. 24, 1936.

Popmaster

For Corn Poppers.
Claims use since Aug. 10, 1936.

Ser. No. 384,812. NA-MAC PRODUCTS CORP., Los Angeles, Calif. Filed Oct. 26, 1936.

"NA-MAC DRIPCUT"

For Detachable Base Metal Dispenser Tops for Serving Liquids from Receptacles.
Claims use since May 7, 1936.

Ser. No. 386,150. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Dec. 1, 1936.

UNION

For Horse Nails.
Claims use since 1874.

CLASS 15

Oils and Greases

Ser. No. 385,321. THE WHITMORE MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 9, 1936.



No claim is made to "Whitmore's Lubricants, Super E. P., Pressure-Proof" except as shown.
For Lubricating Oil and Grease Compounds.
Claims use since Oct. 20, 1936.

Ser. No. 385,322. THE WHITMORE MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 9, 1936.



No claim is made to "Cleveland, Ohio, U. S. A., Lubricating Engineers, Trade Mark, Lubricants, Super E. P., Pressure Proof" except as shown.
For Lubricating Oil and Grease Compounds.
Claims use since Oct. 20, 1936.

Ser. No. 386,723. IRINEOS CASSIMATIS, Gary, Ind. Filed Dec. 14, 1936.

PICTORIAL

For Candles.
Claims use since Nov. 1, 1935.

CLASS 17

Tobacco Products

Ser. No. 341,290. JULEP CIGARETTE COMPANY, Boston, Mass., assignor, by mesne assignments, to Julep Tobacco Company, Boston, Mass., a corporation of Massachusetts. Filed Sept. 2, 1933.

mint cooled **CIGARETTE**

JULEP CIGARETTE COMPANY

The words "Mint cooled cigarette" are disclaimed except as shown.
For Cigarettes.
Claims use since June 12, 1928.

Ser. No. 386,237. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 3, 1936.

CRESCENT BRAZIL

For Cigarettes.
Claims use since Nov. 4, 1936.

Ser. No. 386,238. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 3, 1936.

EQUITY

For Cigarettes and Smoking Tobacco.
Claims use since Nov. 5, 1936.

Ser. No. 386,285. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

BANNERET

For Cigarettes.
Claims use since Nov. 6, 1936.

Ser. No. 386,286. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

BUTTERFLY

For Cigarettes.
Claims use since Nov. 6, 1936.

Ser. No. 386,287. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

CORONADA

For Cigarettes.
Claims use since Nov. 9, 1936.

Ser. No. 386,288. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

EVERGLADE

For Cigarettes.
Claims use since Nov. 2, 1936.

Ser. No. 386,289. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

FAIR PLAY

For Cigarettes.
Claims use since Nov. 2, 1936.

Ser. No. 386,291. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

HONEYCOMB

For Cigarettes and Smoking Tobacco.
Claims use since Nov. 5, 1936.

Ser. No. 386,293. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

LADY LUCK

For Cigarettes.
Claims use since Nov. 12, 1936.

Ser. No. 386,294. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

MARY JANE

For Cigarettes.
Claims use since Nov. 4, 1936.

Ser. No. 386,296. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

MOON ROSE

For Cigarettes.
Claims use since Nov. 12, 1936.

Ser. No. 386,297. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

PLUS FOURS

For Cigarettes.
Claims use since Nov. 2, 1936.

Ser. No. 386,298. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

RED JACKET

For Cigarettes.
Claims use since Nov. 12, 1936.

Ser. No. 386,300. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

SKEET

For Cigarettes.
Claims use since Nov. 9, 1936.

Ser. No. 386,469. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 8, 1936.

KANGAROO

For Cigarettes.
Claims use since Nov. 24, 1936.

Ser. No. 386,471. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 8, 1936.

RIO RITA

For Cigarettes.
Claims use since Nov. 23, 1936.

Ser. No. 386,472. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 8, 1936.

RAMONA

For Cigarettes.
Claims use since Nov. 19, 1936.

Ser. No. 386,473. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 8, 1936.

SURE WINNER

For Cigarettes.
Claims use since Nov. 24, 1936.

Ser. No. 386,516. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

AIRDROME

For Cigarettes.
Claims use since Nov. 20, 1936.

Ser. No. 386,517. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

ALPS

For Cigarettes.
Claims use since Nov. 20, 1936.

Ser. No. 386,518. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

BIG TOWN

For Cigarettes.
Claims use since Nov. 23, 1936.

Ser. No. 386,519. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

CLANSMAN

For Cigarettes.
Claims use since Nov. 13, 1936.

Ser. No. 386,520. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

CO-ED

For Cigarettes.
Claims use since Sept. 29, 1936.

Ser. No. 386,521. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

COLLEEN

For Cigarettes.
Claims use since Nov. 23, 1936.

Ser. No. 386,522. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

FAMOUS VALUE

For Cigarettes.
Claims use since Nov. 16, 1936.

Ser. No. 386,523. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

MARATHON

For Cigarettes.
Claims use since Nov. 23, 1936.

Ser. No. 386,525. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

MUSKETEER

For Cigarettes.
Claims use since Nov. 19, 1936.

Ser. No. 386,526. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

PLAUDIT

For Cigarettes.
Claims use since Nov. 13, 1936.

Ser. No. 386,527. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

R. & S.

For Cigarettes.
Claims use since Nov. 18, 1936.

Ser. No. 386,528. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

SUNFLOWER

For Cigarettes.
Claims use since Nov. 23, 1936.

Ser. No. 386,529. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

THRILLS

For Cigarettes.
Claims use since Nov. 19, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 385,663. COVERED WAGON COMPANY, Mount Clemens, Mich. Filed Nov. 18, 1936.



The words "Mount Clemens, Michigan" are disclaimed apart from the mark as shown.
For Trailers for Attachment to Automotive Vehicles.
Claims use since Nov. 2, 1936.

Ser. No. 386,154. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Dec. 1, 1936.

AEROTHERM

For Vehicle Heaters and Parts Thereof, said Heaters Utilizing Hot Fluids From the Engine.
Claims use since Sept. 29, 1936.

Ser. No. 386,388. GENERAL BODY & HOIST COMPANY, Everett, Mass. Filed Dec. 5, 1936.

UNIVERSAL

For Truck Tank Bodies and Truck Hoist Dump Bodies.
Claims use since 1922.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 386,536. FLETCHER OIL COMPANY, Boise, Idaho. Filed Dec. 9, 1936.



For Electrical Products—Namely Electric Storage Batteries.
Claims use since Oct. 1, 1936.

Ser. No. 386,647. THE GREIST MANUFACTURING COMPANY, New Haven, Conn. Filed Dec. 11, 1936.

WHITE KNIGHT

For Electric Lamps, Including Floor Lamps and Table Lamps.
Claims use since Nov. 23, 1936.

Ser. No. 386,730. HI-SPEED TIRE AND ACCESSORY COMPANY, Toledo, Ohio. Filed Dec. 14, 1936.

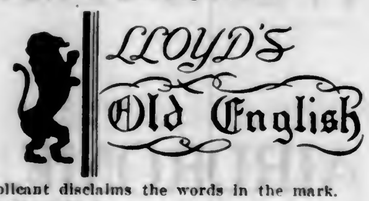
RADIANT

For Batteries, Electric Bulbs, Spark Plugs, Cables for Electric Circuits and Parts Thereof, Radio Receiving Sets and Parts Thereof, and Motor Vehicle Ignition Replacement Parts.
Claims use since Oct. 19, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 368,219. ESSEX RAZOR BLADE CORPORATION, Elizabeth, N. J. Filed Aug. 12, 1935.



Applicant disclaims the words in the mark.
For Razor Blades.
Claims use since Aug. 8, 1935.

Ser. No. 379,127. NATIONAL BEARING METALS CORPORATION, St. Louis, Mo. Filed June 1, 1936.

DISC-FLO

For Journal Bearing and Box Units.
Claims use since May 9, 1936.

Ser. No. 385,393. CARSON-NEWTON COMPANY, Newark, N. J. Filed Nov. 11, 1936.



The words "Trade-Mark Reg." and "Files" are disclaimed.
For Files, Rasps, Reamers, and Rifflers.
Claims use since Jan. 1, 1926.

Ser. No. 385,470. HENRY F. BEEMAN, doing business as Beeman Company, Denver, Colo. Filed Nov. 13, 1936.

AIR VAC

No claim is made for the word "Air" apart from the mark shown.
For Vacuum Cleaners.
Claims use since Dec. 18, 1935.

Ser. No. 385,605. RAMSEY ACCESSORIES MANUFACTURING CORPORATION, St. Louis, Mo. Filed Nov. 16, 1936.

RAMconizer

For Machines for Peening and Reshaping Pistons and Parts of said Machines.
Claims use since Oct. 30, 1936.

Ser. No. 385,785. THE FEDERAL RAZOR BLADE COMPANY, Newark, N. J. Filed Nov. 20, 1936.

TOWN TALK

For Razor Blades.
Claims use since June 12, 1936.

Ser. No. 386,070. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md. Filed Nov. 28, 1936.

LECTROFLATER

For Electric Air-Compressors.
Claims use since Mar. 18, 1915.

Ser. No. 386,555. THE OSANN CORPORATION, Elizabethport, N. J., and New York, N. Y. Filed Dec. 9, 1936.



For Sewing Machines.
Claims use since Nov. 12, 1936.

Ser. No. 386,585. GEORGE M. FRIEL, doing business as Anchor Concrete Machinery Company, Columbus, Ohio. Filed Dec. 10, 1936.



For Machinery for Manufacturing Concrete Building Units.
Claims use since Jan. 1, 1927.

Ser. No. 386,719. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich. Filed Dec. 14, 1936.

CORONATION

For Carpet Sweepers.
Claims use since Nov. 23, 1936.

Ser. No. 386,724. COOPER & COOPER, INC., Brooklyn, N. Y. Filed Dec. 14, 1936.

PARD

For Razor Blades.
Claims use since Oct. 29, 1936.

Ser. No. 386,745. SIMMONS HARDWARE COMPANY, St. Louis, Mo. Filed Dec. 14, 1936.

KEEN KLIPPER

For Safety Razor Blades.
Claims use since Dec. 2, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 365,358. THE SIGHT LIGHT CORPORATION, New York, N. Y. Filed May 24, 1935.

SIGHT METER

The word "Meter" is disclaimed apart from the mark.
For Instrument for Measuring and Recording Light Intensities.
Claims use since Nov. 15, 1932.

Ser. No. 385,799. PERELES BROS. INC., Milwaukee, Wis. Filed Nov. 20, 1936.

ANTICEPTO

For Spectacles, More Particularly Goggles.
Claims use since Nov. 3, 1936.

CLASS 27

Horological Instruments

Ser. No. 384,886. DINHOFER BROS., INC., New York, N. Y. Filed Oct. 28, 1936.

Finault

For Watches, Watch Cases, and Watch Movements.
Claims use since Jan. 15, 1918.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 378,408. MARATHON COMPANY, Attleboro, Mass. Filed May 13, 1936.

PERMAPLATE

The word "Plate" is disclaimed apart from the mark as shown.
For Jewelry for Personal Wear or Adornment Not Including Watches.
Claims use since Mar. 15, 1936.

Ser. No. 385,782. DANIEL F. EBBERT, Wheeling, W. Va. Filed Nov. 20, 1936.

INDEX

For Finger Rings and Pins Made of Precious Metal.
Claims use since Nov. 19, 1934.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 386,108. LOUIS E. HELLMAN, New York, N. Y. Filed Nov. 30, 1936.



The portrait is fanciful. The word "China" is disclaimed apart from the mark.
For Ceramic Tableware.
Claims use since Nov. 9, 1936.

CLASS 32

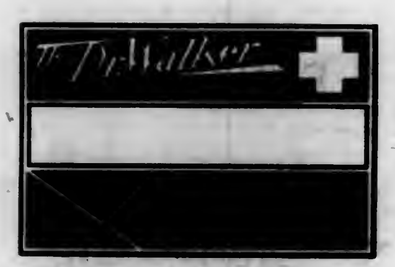
Furniture and Upholstery

Ser. No. 386,614. YARDLEY SCREEN AND WEATHER STRIP CORPORATION, Columbus, Ohio. Filed Dec. 10, 1936.



For Venetian Blinds and Non-Fabric Cornices and Valances Therefor.
Claims use since July, 1926.

Ser. No. 386,710. GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y. Filed Dec. 14, 1936.



For Bed Springs and Mattresses.
Claims use since Aug. 1, 1929.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 379,493. VESTALITE CORPORATION, New York, N. Y. Filed June 9, 1936.

Vestalite

For Cigar, Cigarette, and Pipe Lighters of the Catalytic Type.
Claims use since Mar. 1, 1934.

Ser. No. 381,690. PRESSURE OIL BURNERS, INC., doing business as Viking Manufacturing Co., York, Pa. Filed July 31, 1936.

VIKING



OIL BURNER

No claim is made to "Oil Burner" apart from the mark.
For Oil Burners.
Claims use since Mar. 24, 1932.

Ser. No. 384,082. WM. E. HOOPER & SONS CO., Baltimore, Md. Filed Oct. 7, 1936.

FLOATING PLY

For Wicks.
Claims use since Oct. 17, 1935.

Ser. No. 385,165. STOWELL W. MEARS, New York, N. Y. Filed Oct. 23, 1936.

Moisturator

For Humidifiers.
Claims use since Sept. 23, 1936.

Ser. No. 386,055. UNITED STATES AIR CONDITIONING CORPORATION, Minneapolis, Minn. Filed Nov. 27, 1936.

AIR-GINEER

For Air Conditioning Units.
Claims use since Nov. 24, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 345,622. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 4, 1934.

GENERAL ALLGRIP

For Nonmetallic Tires of Fabric and Rubber.
Claims use since Sept. 29, 1933.

Ser. No. 385,744. WALTER D. OSBORN, doing business as Red Devil Products Co., Chicago, Ill. Filed Nov. 19, 1936.





The word "Products" is disclaimed apart from the mark.
For Composition Packing for Shafts, Pumps, Valves, and the Like.
Claims use since Jan. 1, 1935.

CLASS 37

Paper and Stationery

Ser. No. 369,854. LOWRY-RODGERS COMPANY, doing business as Alfred Lowry & Bro., Philadelphia, Pa. Filed Sept. 30, 1935.



For Toilet Paper.
Claims use since 1905.

CLASS 38

Prints and Publications

Ser. No. 376,587. HOME HEALTH LIBRARY, INC., New York, N. Y. Filed Mar. 30, 1936.

VITALITY

THRU GOOD FOOD AND BETTER DIET

The words "Thru Good Food and Better Diet" are disclaimed apart from the mark.
For Magazine, Published Periodically, Devoted to Good Food.
Claims use since Feb. 18, 1936.

Ser. No. 383,663. THEODORE A. WANERUS, Buffalo, Wyo. Filed Sept. 25, 1936.

Sage Brush and Cactus

For a Newspaper Column.
Claims use since Jan. 31, 1935.

Ser. No. 385,070. STELZ COMPANY, INC., New York, N. Y. Filed Nov. 2, 1936.

CAVRO

For Books, Prints, Plain and Embossed, Printed and Lithographed, Gummed and Ungummed Labels, Printed Pictures for Religious and High Grade Artistic Publications of Similar Nature.
Claims use since Aug. 3, 1936.

Ser. No. 385,416. MASSACHUSETTS DISTRIBUTORS, INCORPORATED, Boston, Mass. Filed Nov. 11, 1936.

BREVITS

For Weekly Trade Magazine.
Claims use since Oct. 22, 1932.

Ser. No. 385,604. POLITICS, INC., Washington, D. C. Filed Nov. 16, 1936.

Politics

For National Weekly Magazine.
Claims use since July 10, 1936.

Ser. No. 385,758. TIME, INCORPORATED, New York, N. Y. Filed Nov. 19, 1936.

The MARCH OF TIME
BY THE EDITORS OF TIME
The Weekly Newsmagazine

The words "By the Editors of Time The Weekly Newsmagazine" are disclaimed apart from the mark as shown.
For Newspaper Column.
Claims use since Oct. 29, 1936.

Ser. No. 386,183. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Dec. 1, 1936.

Pocket DETECTIVE MAGAZINE

For Periodical at Present Published Monthly.
Claims use since Oct. 29, 1936.

Ser. No. 386,201. BUSINESS NEWS PUBLISHING CO., Detroit, Mich. Filed Dec. 2, 1936.

AIR CONDITIONING AND REFRIGERATION NEWS

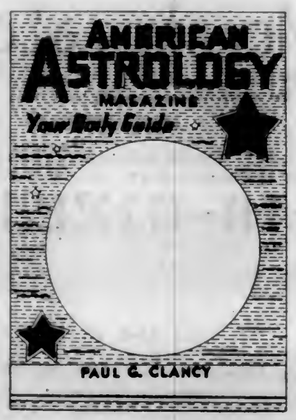
For Periodical.
Claims use since Sept. 16, 1936.

Ser. No. 386,311. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Dec. 4, 1936.



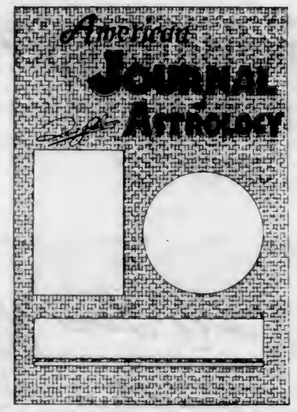
For Cartoons.
Claims use since Sept. 13, 1936.

Ser. No. 386,619. CLANCY PUBLICATIONS, INC., New York, N. Y. Filed Dec. 9, 1936.



The drawing is lined for silver. No claim is made to the words "Your Daily Guide".
For Monthly Magazine.
Claims use since February, 1932.

Ser. No. 386,620. CLANCY PUBLICATIONS, INC., New York, N. Y. Filed Dec. 9, 1936.



The drawing is lined for gold. The name Paul G. Clancy is a facsimile signature of the editor of the magazine.
For Quarterly Magazine.
Claims use since September, 1936.

CLASS 39

Clothing

Ser. No. 374,349. ARTHUR A. WILLIAMS, doing business as Safety First Shoe Company, Holliston, Mass. Filed Jan. 31, 1936.

DRESSTEEL

For Leather Boots and Shoes.
Claims use since Jan. 3, 1936.

Ser. No. 377,913. THE COWARD SHOE INC., New York, N. Y. Filed May 2, 1936.

FLEXWEAR SOLE

The word "Sole" is disclaimed except in conjunction with the word "Flexwear" and the design.
For Leather Shoes.
Claims use since Apr. 24, 1936.

Ser. No. 379,238. FRANCO CORSET COMPANY, New York, N. Y. Filed June 3, 1936.

Sheneel-lastik

The word "Sheneel" is disclaimed except as shown.
For Foundation Garments and Girdles.
Claims use since Feb. 29, 1936.

Ser. No. 380,444. JACOB EICHWALD, New York, N. Y. Filed June 30, 1936.

Sweet-Teen

For Juniors' Dresses, Misses' Dresses, Children's Dresses, Juniors' Blouses, Misses' Blouses, and Children's Blouses.
Claims use since Feb. 1, 1935.

Ser. No. 384,807. MANCHESTER MFG. CO., Philadelphia, Pa. Filed Oct. 26, 1936.



The word "Manchester" is disclaimed apart from the mark.
For Men's Shirts and Collars.
Claims use since Jan. 1, 1935.

Ser. No. 384,828. WEINBERG, WEINBERG & ALPERN, New York, N. Y. Filed Oct. 26, 1936.



For Ladies' Dresses, Gowns, Frocks.
Claims use since Feb. 1, 1936.

Ser. No. 385,482. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Nov. 13, 1936.



The words "Junior Fashion" are disclaimed apart from the mark. The portrait is fanciful.
For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Oct. 28, 1936.

Ser. No. 385,574. FRANK & MEYER NECKWEAR COMPANY, St. Louis, Mo. Filed Nov. 16, 1936.

RIVIERA Crepe

The word "Crepe" is disclaimed apart from the mark.
For Neckwear—Namely, Men's and Boys' Neckties, Cravats, and Mufflers.
Claims use since Apr. 15, 1933.

Ser. No. 385,748. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 19, 1936.

Regular Girl

For Girls' Middies, Gym Shorts, Gym Shirts, Bloomers, Gym Suits (One and Two Piece Models), Dance Togs (Namely, Rompers and Blouses), and Misses' and Children's Coats, Dresses, and Skirts.
Claims use since Sept. 22, 1936.

Ser. No. 385,753. SALFAIR, INC., New York, N. Y. Filed Nov. 19, 1936.

NEW YORK TAILORED BY PARIS
Raleigh

The words "Tailored By", "New York", and "Paris" are disclaimed.
For Ladies' Hats.
Claims use since October, 1935.

Ser. No. 385,787. LEO J. GOLDBERGER, New York, N. Y. Filed Nov. 20, 1936.

ELEMENTARY FROCKS

The word "Frocks" is disclaimed apart from the mark as shown.
For Children's Dresses, Blouses, and Jumpers.
Claims use since Nov. 15, 1936.

Ser. No. 385,788. LEO J. GOLDBERGER, New York, N. Y. Filed Nov. 20, 1936.

SENIORETTE FROCKS

The word "Frocks" is disclaimed apart from the mark as shown.
For Children's Dresses, Blouses, and Jumpers.
Claims use since Nov. 15, 1936.

Ser. No. 385,906. THE JOHN SHILLITO COMPANY, Cincinnati, Ohio. Filed Nov. 23, 1936.

SHILCROFT

For Men's Shoes Made of Leather, Rubber, and Fabric, and Combinations of These Materials.
Claims use since Aug. 1, 1936.

Ser. No. 385,929. GRAY BROS., INC., Syracuse, N. Y. Filed Nov. 24, 1936.

MADE IN U.S.A. BY Gray Bros
English Trampers

The legend "Made in U. S. A." is disclaimed apart from the mark.
For Boots and Shoes Made of Leather, Fabric, Composition, or Combinations Thereof.
Claims use since Nov. 1, 1936.

Ser. No. 385,942. RIEGEL TEXTILE CORPORATION, New York, N. Y. Filed Nov. 24, 1936.

Life-Line
INSURES LONGER LIFE

No claim is made to the words "Insures Longer Life" apart from the mark as shown, nor to the representation of the collar.
For Men's Dress and Negligee Shirts.
Claims use since Nov. 10, 1936.

Ser. No. 385,966. BROOM AND NEWMAN, New York, N. Y. Filed Nov. 25, 1936.

Royal Guard

For Men's Outer Shirts, Men's Pajamas, and Sport Shirts.
Claims use since Nov. 6, 1936.

Ser. No. 385,995. STANDARD GARMENT COMPANY, Columbia, Pa., and New York, N. Y. Filed Nov. 25, 1936.

Standard Garment Co.

For Women's, Misses', and Children's Dresses.
Claims use since Jan. 30, 1914.

Ser. No. 386,078. HARRY ISAACS, INC., New York, N. Y. Filed Nov. 28, 1936.

PUPPY SKIN
MOGADOR

The word "Mogador" is disclaimed apart from the mark.
For Cravats.
Claims use since October, 1933.

Ser. No. 386,143. ACHESON HARDEN CO., New York, N. Y. Filed Dec. 1, 1936.

"THE TOPS"

For Men's Handkerchiefs.
Claims use since Nov. 19, 1936.

Ser. No. 386,213. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y. Filed Dec. 2, 1936.

"SAKSETTE"

For Corsets.
Claims use since Nov. 18, 1936.

Ser. No. 386,334. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Dec. 4, 1936.

CHORE MASTER

For Men's, Women's, and Children's Shoes Made of Leather, Rubber, and Fabric or Combinations Thereof.
Claims use since Nov. 11, 1936.

Ser. No. 386,366. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Dec. 5, 1936.

Flagg Bros

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Men, Women, and Children.
Claims use since Nov. 13, 1936.

Ser. No. 386,421. EVERITE KNITTING MILLS, INC., New York, N. Y. Filed Dec. 7, 1936.

MALLET

For Ladies', Men's, and Children's Polo Shirts, Blouses, Underwear.
Claims use since November, 1936.

Ser. No. 386,558. VOGUE KNITTING COMPANY, Womelsdorf, Pa. Filed Dec. 9, 1936.

SLUMBERITE

For Women's, Misses', and Children's Pajamas and Nightgowns.
Claims use since Apr. 24, 1936.

Ser. No. 386,602. FIELD AND FLINT CO., Brockton, Mass. Filed Dec. 10, 1936.

Spikeys

For Shoes Made of Leather and Combinations of Leather and Fabric.
Claims use since Oct. 15, 1936.

Ser. No. 386,612. WILLIAMSBRIDGE MILLS, INC., New York, N. Y. Filed Dec. 10, 1936.

Printime

For Women's and Misses' Blouses.
Claims use since Apr. 1, 1935.

Ser. No. 386,756. LOUIS BERKOWITZ, doing business as Supreme Jr. Coat Co., New York, N. Y. Filed Dec. 15, 1936.

SUPREME JUNIOR COAT CO.

For Ladies', Misses', Juniors', and Children's Coats and Suits.
Claims use since January, 1928.

Ser. No. 386,814. PATRICIA PETTICOAT CO., INC., New York, N. Y. Filed Dec. 16, 1936.

RIDIN HIGH

For Ladies' and Misses' Chemises, Negligees, Costume Slips, Panties, Brassières, Bloomers, Nightgowns, and Pajamas, Made of Knitted, Netted, or Woven Textile Fabrics, of Cotton, Linen, Silk, Artificial Silk, and All Mixtures or Combinations of Said Materials.
Claims use since June 24, 1935.

Ser. No. 386,863. GEO. E. KEITH COMPANY, Campello, Mass. Filed Dec. 17, 1936.

ARDWYN

For Shoes Principally of Leather, Shoes Principally of Fabric, and Shoes of a Combination of Leather and Fabric.
Claims use since Dec. 31, 1935.

Ser. No. 386,866. MCCUBRACH ORGANIZATION INCORPORATED, New York, N. Y. Filed Dec. 17, 1936.

"BURMALINE"

For Men's Neckties and Mufflers.
Claims use since Dec. 15, 1936.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 384,651. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Filed Oct. 22, 1936.

Heirloom

For Partly Finished Needle-Point Tapestries.
Claims use since July, 1934.

Ser. No. 386,455. SHOE LACE COMPANY, Boston, Mass. Filed Dec. 7, 1936.

"PERSONA"

For Frogs.
Claims use since Aug. 31, 1936.

Ser. No. 386,583. THE ENGLISH NEEDLE & FISHING TACKLE CO. LTD., Studley, England. Filed Dec. 10, 1936.

DEPENDOID

For Crochet Hooks and Knitting Pins Made from Casein.
Claims use since May 2, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 383,163. SOLOMON FROMM, doing business as S. Fromm, Brooklyn, N. Y. Filed Sept. 12, 1936.

METALMESH

The word "Metalmesh" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since Jan. 8, 1936.

Ser. No. 383,917. SAM DUBINSKY, Kansas City, Mo. Filed Oct. 3, 1936.

THREE TOWL-PAK DISH TOWELS COLORFAST-ABSORBENT PROCESSED

All words are disclaimed apart from the mark as shown.
For Dish Towels.
Claims use since Jan. 1, 1934.

Ser. No. 384,117. THE CAMPE CORPORATION, New York, N. Y. Filed Oct. 8, 1936.



The words "Broadcloth a Tested Fabric" are disclaimed except as shown.
For Broadcloth Made of Cotton Fabrics.
Claims use since Sept. 10, 1936.

Ser. No. 386,273. SANDY FABRICS CORP., New York, N. Y. Filed Dec. 3, 1936.

ACET PRINTS



The word "Prints" is disclaimed apart from the mark. The drawing is lined for red.
For Printed Textile Piece Goods.
Claims use since Nov. 2, 1936.

Ser. No. 386,475. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Dec. 8, 1936.

INDANTONE

For Cotton Fabric Used for Awnings, Outdoor Upholstery, Lawn Furniture, Etc.
Claims use since July, 1929.

Ser. No. 386,545. MANUFACTURES DE VELOURS ET PELUCHES, Lyon, France. Filed Dec. 9, 1936.

INCHIFF

For Piece Goods Composed Wholly or in Part of Wool, Hair, Silk, Rayon, Cotton, Hemp, Flax, Jute, Alpha Fibre, Aloe Fibre, Vegetable Fibre, or Mixtures Thereof.
Claims use since June, 1936.

Ser. No. 386,546. MANUFACTURES DE VELOURS ET PELUCHES, Lyon, France. Filed Dec. 9, 1936.

INCHIFFONNABLE

For Piece Goods Composed Wholly or in Part of Wool, Hair, Silk, Rayon, Cotton, Hemp, Flax, Jute, Alpha Fibre, Aloe Fibre, Vegetable Fibre, or Mixtures Thereof.
Claims use since May, 1936.

CLASS 43

Thread and Yarn

Ser. No. 385,674. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y. Filed Nov. 18, 1936.

CAMELTEX

For Yarns of Cotton, Wool, Worsted, Rayon, Angora, Cashmere, and Mixtures Thereof, said Yarns Upon Which the Mark is Used Having a Substantial Camel's-Hair Content.
Claims use since May 1, 1936.

Ser. No. 386,013. COLLINGBOURNE MILLS, INC., doing business as Virginia Snow Studios, Elgin, Ill. Filed Nov. 27, 1936.

Mendmaster

For Darning Cotton and Sewing and Mending Thread and Yarn Made of Silk, Cotton, or Rayon.
Claims use since Nov. 12, 1936.

Ser. No. 386,092. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Nov. 30, 1936.

Aristocrat

For Thread and Yarn of Artificial Origin.
Claims use since Mar. 29, 1933.

Ser. No. 386,811. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y. Filed Dec. 16, 1936.

KIDCUNA

For Yarns of Wool, Worsted, Rayon, Angora, Cashmere, and Mixtures Thereof.
Claims use since Dec. 15, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 384,094. JACK B. MCCLURE, doing business as Mid-West Products Company, Indianapolis, Ind. Filed Oct. 7, 1936.

VANITY

For Prophylactic Lambskin Articles and Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Feb. 1, 1936.

Ser. No. 385,045. HARRY T. KRAKAU, Cleveland, Ohio. Filed Nov. 2, 1936.

WALKONAIR

For Arch Appliances.
Claims use since Nov. 1, 1935.

Ser. No. 385,933. EDWARD C. MELDMAN, Milwaukee, Wis. Filed Nov. 24, 1936.

ORTHOTEX

For Quick Setting Liquid Latex Rubber Perfected for Chiropodists.
Claims use since Aug. 31, 1936.

Ser. No. 386,429. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 7, 1936.

GEORGIAN

For Sanitary Napkins.
Claims use since Nov. 30, 1936.

Ser. No. 386,430. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 7, 1936.

LADYSHIP

For Sanitary Napkins.
Claims use since Nov. 30, 1936.

Ser. No. 386,431. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 7, 1936.

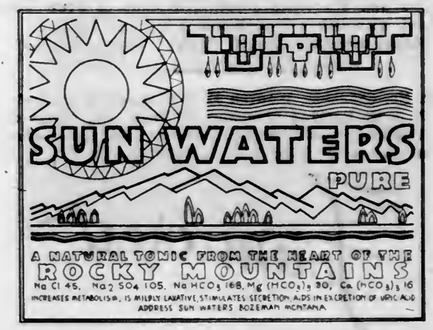
ESTELLE

For Sanitary Napkins.
Claims use since Nov. 30, 1936.

CLASS 45

Beverages, Nonalcoholic

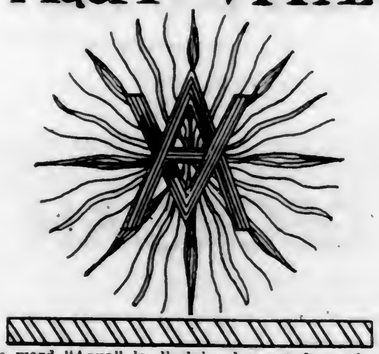
Ser. No. 376,192. JULIUS W. BUTLER, doing business as Sun Waters, Bozeman, Mont. Filed Mar. 20, 1936.



All descriptive wordings or notations are disclaimed apart from the mark except the word "Sun."
For Natural Mineral Waters.
Claims use since July 15, 1934.

Ser. No. 384,882. E. M. CAREFOOT, Belleville, Ontario, Canada. Filed Oct. 28, 1936.

AQUA VITÆ



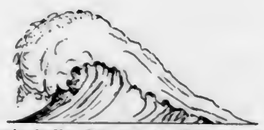
The word "Aqua" is disclaimed apart from the word "Vitae."

For Natural Mineral and Medicinal Waters.

Claims use since Jan. 9, 1917.

Ser. No. 385,035. WALTER F. FRICKE, doing business as F. & F. Packing Company, Chicago, Ill., assignor to Highland Sales Company, Denver, Colo., a corporation of Colorado. Filed Nov. 2, 1936.

Foam-crest



For Nonalcoholic Beverages, Pure and Mixed Fruit Juices and Flavoring Substances Made of Fruit Juices Mixed with Other Ingredients.

Claims use since August, 1934.

Ser. No. 385,036. WALTER F. FRICKE, doing business as F. & F. Packing Company, Chicago, Ill., assignor to Highland Sales Company, Denver, Colo., a corporation of Colorado. Filed Nov. 2, 1936.

Foam-crest

For Nonalcoholic Beverages, Pure and Mixed Fruit Juices and Flavoring Substances Made of Fruit Juices Mixed with Other Ingredients.

Claims use since August, 1934.

Ser. No. 386,720. JOSEPH BLOCH, doing business as American Wet Beverage Company, Omaha, Nebr. Filed Dec. 14, 1936.



For Nonalcoholic Beverages.

Claims use since Nov. 15, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 330,822. LOFT, INC., Long Island City, N. Y. Filed Sept. 30, 1932.

Loft

For Fudge Sauce, Cocoa, Malted Milk, Coffee, Caramel Cream, Raspberry Jam, Strawberry Jam, Crushed Pineapple, Mayonnaise, Tomato Juice, Candied Popcorn, Peach Marmalade, Orange Marmalade, Marsh Mallow Topping, Chicken Fricassee with Fresh Mushrooms, Chicken Gumbo Soup, Split Pea Soup, Cream of Tomato Soup, Chicken Gravy, Chicken Broth, Chicken Noodle Soup, Chicken and Brown Rice Soup, Old Fashioned Chicken Soup.

Claims use on fudge sauce, cocoa, and malted milk since Dec. 1, 1925; on coffee since Jan. 16, 1931; on caramel cream since Sept. 22, 1931; on raspberry jam since Sept. 22, 1931; on strawberry jam since September, 1931; on crushed pineapple since September, 1931; on mayonnaise since September, 1931; on tomato juice since June 22, 1931; on Candied Popcorn since February 2, 1932; on peach marmalade since May 6, 1932; on orange marmalade since Sept. 22, 1932; on marsh mallow topping since Sept. 22, 1931; on chicken fricassee with mushrooms since Feb. 29, 1932; on chicken gumbo soup since Oct. 13, 1931; on split pea soup since Mar. 22, 1932; on cream of tomato soup since Apr. 25, 1931; on chicken gravy since Feb. 5, 1931; on chicken broth since Dec. 3, 1930; on chicken noodle soup since Jan. 18, 1931; on chicken and brown rice soup since Dec. 4, 1930; and on old fashioned chicken soup since Dec. 15, 1930.

Ser. No. 366,979. IRA SETH BOYDSTUN, Fort Worth, Tex. Filed July 5, 1935.



The portrait is that of Marguerite Hightower.

For Eatable Containers Consisting of an Ordinary Mexican Tortilla or Other Eatable Material Which Can be Folded into an Envelope or Cup Shape so That it Will Hold Foods.

Claims use since June 1, 1935.

Ser. No. 370,909. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa. Filed Oct. 28, 1935.

LIBERTY BELL

For Scrapple, Ham, and Rinds of Ham and Bacon.

Claims use since June 28, 1912.

Ser. No. 372,433. SAFEWAY STORES, INCORPORATED, Reno, Nev. Filed Dec. 9, 1935.

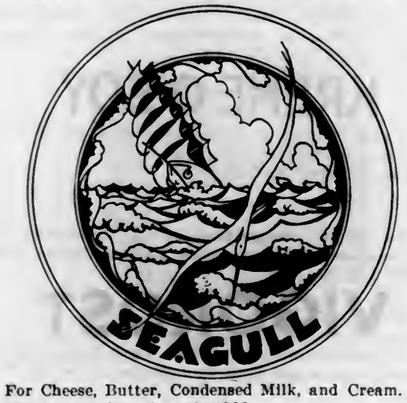
Julia Lee Wright

The trade-mark is a facsimile signature of Julia Lee Wright, the assumed name of Julia Perrin Hindley.

For Bread.

Claims use since Nov. 7, 1935.

Ser. No. 376,017. VOINVIENTI-OSUUSLIIKE VALIO R. L., Helsingfors (Helsinki), Finland. Filed Mar. 14, 1936.



For Cheese, Butter, Condensed Milk, and Cream.

Claims use since Aug. 1, 1933.

Ser. No. 379,931. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Filed June 19, 1936.

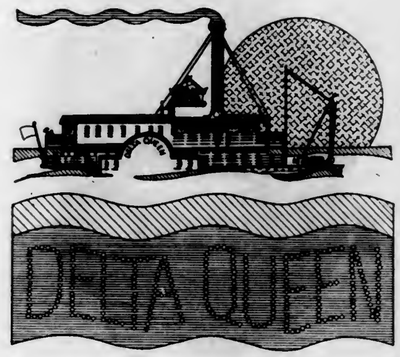


The drawing is lined for blue and red.

For Flour, Particularly Wheat Flour, Self Rising Flour, and Wheat Flour with Phosphate Added.

Claims use since Nov. 16, 1935.

Ser. No. 379,933. WASHBURN CROSBY COMPANY, doing Business as Missouri Mill & Elevator Co., Minneapolis, Minn. Filed June 19, 1936.



The drawing is lined for blue, green, orange, and gray.

For Flour, Particularly Wheat Flour, Self Rising Flour, and Wheat Flour with Phosphate Added.

Claims use since Oct. 1, 1935.

Ser. No. 379,936. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Filed June 19, 1936.



The drawing is lined for blue, red, and silver. The words "Superlative Quality" and "Soft Wheat Flour" are disclaimed apart from the mark.

For Flour, Particularly Wheat Flour, Self Rising Flour, and Wheat Flour with Phosphate Added.

Claims use since Sept. 13, 1935.

Ser. No. 379,937. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Filed June 19, 1936.



The drawing is lined for red, yellow, green, and purple.

For Flour, Particularly Wheat Flour, Self Rising Flour, and Wheat Flour with Phosphate Added.

Claims use since Mar. 23, 1936.

Ser. No. 379,938. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Filed June 19, 1936.



The drawing is lined for green, brown, yellow, and orange.

For Flour, Particularly Wheat Flour, Self Rising Flour, and Wheat Flour With Phosphate Added.

Claims use since Nov. 12, 1935.

Ser. No. No. 380,263. DIXIE FISHERIES, INCORPORATED, Biloxi, Miss. Filed June 26, 1936.

SEAROCK

For Canned Oysters and Shrimp.

Claims use since June 24, 1933.

Ser. No. 380,456. MITSUBISHI SHOJI KAISHA, LTD., Tokyo, Japan, New York, N. Y., San Francisco, Calif., and Seattle, Wash. Filed June 30, 1936.

THREE PEARLS

For Canned Fish, Fruits and Vegetables of all Kinds, Alimentary Pastes, Food Flavoring Extracts, Mustards, Olives, Pickles, Peppers, and Dried Bonito.

Claims use since 1932.

Ser. No. 382,239. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn. Filed Aug. 15, 1936.

KREME O'SOY

The word "Soy" is disclaimed apart from the mark.

For Soy Bean Flour and Bread.

Claims use since Mar. 26, 1936.

Ser. No. 382,241. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn. Filed Aug. 15, 1936.

VIGOROST

For Canned Protein Meat-Like Food Containing No Animal Products and Used as a Source of Protein, Like Meat.

Claims use since October, 1932.

Ser. No. 382,242. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn. Filed Aug. 15, 1936.

SOY-KOFF

The word "Soy" is disclaimed apart from the mark.

For Non-Caffeine Food Beverage Made of Wheat, Bran, and Soy Beans, Used as a Substitute for Coffee.

Claims use since Nov. 28, 1934.

Ser. No. 382,591. FUHRMANN CANNING COMPANY, Appleton, Wis. Filed Aug. 26, 1936.

DINNER HORN

For Canned Peas.

Claims use since May 5, 1936.

Ser. No. 383,288. J. ARON & COMPANY, INC., San Francisco, Calif. Filed Sept. 14, 1936.

PANSY

For Green Coffee.

Claims use since Nov. 1, 1921.

Ser. No. 383,377. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Filed Sept. 17, 1936.



The words "White" and "Flour" are disclaimed apart from the mark. The drawing is lined for brown, blue, pink, and yellow.

For Flour, Particularly Wheat Flour, Self Rising Flour, and Phosphate Added Flour.

Claims use since Dec. 28, 1935.

Ser. No. 384,313. ARLENE CHOCOLATE CO. INC., Brooklyn, N. Y. Filed Oct. 14, 1936.

Arlene

For Chocolate Candies.

Claims use since June 1, 1936.

Ser. No. 384,437. B. QUINTERO & Co., New York, N. Y. Filed Oct. 16, 1936.



The words "Hot", "Cold", and "Sweetened Chocolate Flavored" are disclaimed apart from the mark shown.

For Chocolate Flavored Malt in Powdered Form Used in Making a Food Beverage.

Claims use since Oct. 8, 1936.

Ser. No. 384,596. RINALDI BROS., New York, N. Y. Filed Oct. 20, 1936.



The portrait is fanciful.

For Canned Tomato Sauce.

Claims use since Sept. 15, 1936.

Ser. No. 384,988. GLENN B. WILLIS, doing business as Alvita Products Company, Pasadena, Calif. Filed Oct. 30, 1936.

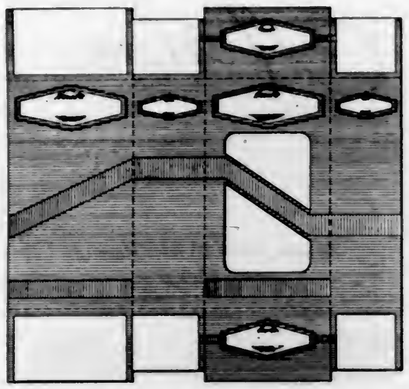
Clovita



For Preparation of Clover Used as a Tea Substitute in Making a Food Beverage.

Claims use since Sept. 15, 1936.

Ser. No. 385,094. A. GOODMAN & SONS, INC., New York, N. Y. Filed Nov. 3, 1936.



The drawing is lined for red and blue. No claim is made to the representation of a carton apart from the mark as shown.
For Noodles.
Claims use since Jan. 10, 1936.

Ser. No. 385,096. HITCHCOCK PECAN CO., Galveston, Tex. Filed Nov. 3, 1936.

KARIOKA

For Chopped Mixed Nuts.
Claims use since Mar. 1, 1936.

Ser. No. 385,341. CORNING OLIVE GROWERS ASSOCIATION, Corning, Calif. Filed Nov. 10, 1936.



The portrait is fanciful.
For Canned Olives.
Claims use since Jan. 7, 1935.

Ser. No. 385,364. HANS MEY, doing business as Sea Tang Oyster Co., New York, N. Y. Filed Nov. 10, 1936.

SEA TANG OYSTER CO.

For Fresh Oysters and Fresh Clams.
Claims use since 1910.

Ser. No. 385,438. JUAN A. GARCIA, JR., doing business as Garcia's Fine Chile, Albuquerque, N. Mex. Filed Nov. 12, 1936.

Garcia's

CREAM OF CHILE

The word "Chile" is disclaimed apart from the mark shown.
For Canned Chile.
Claims use since Sept. 1, 1932.

Ser. No. 385,603. PENNSYLVANIA COOPERATIVE POTATO GROWERS ASSOCIATION, INC., Bellefonte, Pa. Filed Nov. 16, 1936.



The representation of a potato and the words "Pennsylvania Growers" and "Dependability" are disclaimed apart from the mark.
For Potatoes.
Claims use since January, 1935.

Ser. No. 385,636. MOUNT OLIVE PICKLE CO., INC., Mount Olive, N. C. Filed Nov. 17, 1936.

MOPICO

For Pickles and Sweet Pickle Relishes.
Claims use since Jan. 30, 1933.

Ser. No. 385,637. MOUNT OLIVE PICKLE CO., INC., Mount Olive, N. C. Filed Nov. 17, 1936.

Pick of Carolina

For Pickles and Sweet Pickle Relishes.
Claims use since Apr. 10, 1933.

Ser. No. 385,838. GILBERT F. FITZGERALD, doing business as 20th Century Candy Co., Milwaukee, Wis. Filed Nov. 21, 1936.

SERV-A-PLATE

The word "Plate" is disclaimed apart from the mark as shown.
For Candies and Salted Nuts.
Claims use since Sept. 16, 1936.

Ser. No. 385,886. THE HILLS BROTHERS COMPANY, New York, N. Y. Filed Nov. 23, 1936.

DROMEDARY

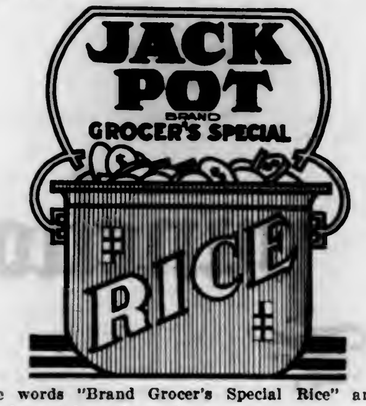
For Canned Baked Apples.
Claims use since Nov. 6, 1936.

Ser. No. 386,126. PURITY PRODUCTS, INC., Jersey City, N. J. Filed Nov. 30, 1936.

V-BEX

For Cereal Breakfast Food.
Claims use since July 14, 1936.

Ser. No. 386,217. MOUTON RICE MILLING CO., Harrisburg, Ark. Filed Dec. 2, 1936.



The words "Brand Grocer's Special Rice" are disclaimed apart from the mark.
For Rice.
Claims use since Sept. 2, 1936.

Ser. No. 386,218. MOUTON RICE MILLING CO., Harrisburg, Ark. Filed Dec. 2, 1936.



The words "Brand Choice Rice" are disclaimed apart from the mark.
For Rice.
Claims use since Sept. 2, 1936.

Ser. No. 386,219. MOUTON RICE MILLING CO., Harrisburg, Ark. Filed Dec. 2, 1936.



The words "Brand Extra Fancy Rice" are disclaimed apart from the mark.
For Rice.
Claims use since Sept. 2, 1936.

Ser. No. 386,399. BROWN-MURRAY CO., INC., Pittsburgh, Pa. Filed Dec. 7, 1936.

Lik-Em

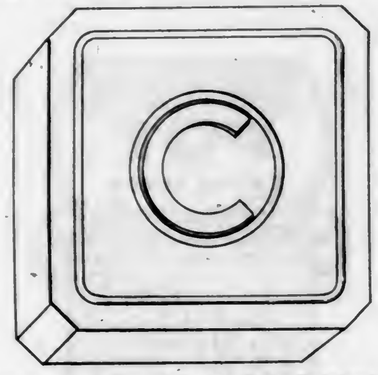
For Peanuts.
Claims use since October, 1934.

Ser. No. 386,486. EARLE-CHESTERFIELD MILL CO., Asheville, N. C. Filed Dec. 8, 1936.



For Wheat Flour.
Claims use since February, 1935.

Ser. No. 386,721. THE CAREY SALT COMPANY, Hutchinson, Kans. Filed Dec. 14, 1936.



The representation of the goods is disclaimed apart from the mark as shown.
For Salt Made and Sold in Cakes or Blocks.
Claims use since Nov. 17, 1936.

Ser. No. 386,789. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash. Filed Dec. 16, 1936.

HI LITE

For Wheat Flour.
Claims use since July 1, 1916.

Ser. No. 386,805. J. S. HOFFMAN CO., INC., New York, N. Y. Filed Dec. 16, 1936.



For Cheese.
Claims use since October, 1936.

Ser. No. 386,849. CLEARWATER GROWERS ASSOCIATION, Clearwater, Fla. Filed Dec. 17, 1936.



For Fresh Citrus Fruits.
Claims use since Nov. 1, 1936.

CLASS 47

Wines

Ser. No. 385,333. THE TOM COLLINS CORPORATION, Covington, Ky. Filed Nov. 10, 1936.

puncho

For Wine with Carbonated Water and Flavoring.
Claims use since July 3, 1936.

Ser. No. 385,334. THE TOM COLLINS CORPORATION, Covington, Ky. Filed Nov. 10, 1936.

Tom Collins' PUNCHO

For Wine with Carbonated Water and Flavoring.
Claims use since July 3, 1936.

Ser. No. 385,335. THE TOM COLLINS CORPORATION, Covington, Ky. Filed Nov. 10, 1936.

SLOW JIM

For Wine with Carbonated Water and Flavoring.
Claims use since Oct. 30, 1936.

Ser. No. 385,336. THE TOM COLLINS CORPORATION, Covington, Ky. Filed Nov. 10, 1936.

Tom Collins' SLOW JIM

For Wine with Carbonated Water and Flavoring.
Claims use since Oct. 30, 1936.

Ser. No. 385,730. SHEPARD J. GOLDBERG, INC., New York, N. Y. Filed Nov. 19, 1936.



The name "Shepard J. Goldberg" is a facsimile of the signature of Shepard J. Goldberg.
For Wines.
Claims use since May, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 384,542. BENNO LOWY, doing business as Chemical Specialty Company, San Francisco, Calif. Filed Oct. 19, 1936.

HY-FOAM

For Chemical Composition Used as a Selective Precipitant of Excess Lime and Magnesia for Improvement of Foam Retention in Beer.
Claims use since Nov. 10, 1934.

Ser. No. 386,757. BEVERWYCK BREWERIES, INC., Albany, N. Y. Filed Dec. 15, 1936. Under section 5B of the act of 1905, as amended in 1920.

Beverwyck

For Ales and Lager Beers.
Claims use since December, 1877.

Ser. No. 387,011. WATERBURY BREWING CO., INC., Waterbury, Conn. Filed Dec. 21, 1936.

DIAMOND Gold ★★★ ALE

The word "Ale" is disclaimed.
For Ale and Malt Beverages.
Claims use since Dec. 1, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 9, 1937

342,991. THERMOMETERS, HYDROMETERS, AND LABORATORY GLASSWARE. RASCHER & BETZOLD, Chicago, Ill., assignors to Rascher & Betzold, Inc., Chicago, Ill., a corporation of Illinois.
Filed July 20, 1934. Serial No. 354,137. PUBLISHED NOVEMBER 24, 1936. Class 26.

342,992. FUNERAL FURNITURE—NAMELY, CASKET BIERS AND READING STANDS, ALSO KNOWN AS ROSARY STANDS. JOHN C. BURNS, doing business as Oloph Specialties Co., Cambridge, Mass.
Filed August 22, 1934. Serial No. 355,293. PUBLISHED DECEMBER 1, 1936. Class 32.

342,993. CHEMICAL COMPOUND FOR THE ELIMINATION AND REMOVAL OF RUST AND CORROSION FROM WATER SYSTEMS. METROPOLITAN REFINING COMPANY, INC., Long Island City, N. Y.
Filed February 23, 1935. Serial No. 361,758. PUBLISHED APRIL 30, 1935. Class 6.

342,994. SUNTAN OIL, SUN-PROOF CREAM, BRONZE LIQUID LOTION FOR FACE AND BODY. ELIZABETH ARDEN, INC., New York, N. Y.
Filed August 5, 1935. Serial No. 367,984. PUBLISHED NOVEMBER 17, 1936. Class 6.

342,995. PLASTICIZERS FOR ACETYL CELLULOSE. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed August 6, 1935. Serial No. 368,035. PUBLISHED OCTOBER 8, 1935. Class 6.

342,996. VERMIFUGES FOR HUMAN USE. VIETA Y. PLASENCIA, Habana, Cuba.
Filed August 31, 1935. Serial No. 368,907. PUBLISHED DECEMBER 24, 1935. Class 6.

342,997. CONCENTRATED COD LIVER OIL IN LIQUID FORM AND IN PERLES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed September 26, 1935. Serial No. 369,753. PUBLISHED NOVEMBER 24, 1936. Class 6.

342,998. BREAD. DRY FRUIT PRODUCTS CORPORATION, Oakland, Calif.
Filed October 9, 1935. Serial No. 370,177. PUBLISHED DECEMBER 1, 1936. Class 46.

342,999. AIR VALVES FOR STEAM HEATING SYSTEMS. THE DOLE VALVE COMPANY, Chicago, Ill.
Filed October 12, 1935. Serial No. 370,295. PUBLISHED DECEMBER 1, 1936. Class 13.

343,000. FIBER CONDUITS FOR ELECTRICAL PURPOSES. BROWN COMPANY, Portland, Maine, and Berlin, N. H.
Filed October 29, 1935. Serial No. 370,938. PUBLISHED DECEMBER 1, 1936. Class 21.

343,001. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, PARTICULARLY BRACELETS, NOT INCLUDING WATCHES. LEO BOJAR, doing business as Bojar Company, Providence, R. I.
Filed November 19, 1935. Serial No. 371,725. PUBLISHED JANUARY 7, 1936. Class 28.

343,002. STERILE NON-PYROGENIC SOLUTIONS FOR INTRAVENOUS USE SUBJECTED TO BACTERIOLOGICAL AND CHEMICAL CONTROL, ETC. THE NATIONAL DRUG COMPANY, Philadelphia, Pa.
Filed November 19, 1935. Serial No. 371,735. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,003. PREPARATION FOR TREATMENT AND RELIEF OF COMMON COLDS, FEVER INCIDENT THERETO, FOR COUGHS AND MALARIA. THOMAS W. BUSH, doing business as Bush's Drug Store, New Smyrna, Fla.
Filed February 6, 1936. Serial No. 374,549. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,004. YARNS. SCHACHENMAYR, MANN & Co., Salach, Germany.
Filed February 14, 1936. Serial No. 374,855. PUBLISHED NOVEMBER 24, 1936. Class 43.

343,005. BAKED MEDICATED CAKE OR WAFER FOR USE AS AN INTERNAL LUBRICANT. THE EYE COMPANY, INC., Cincinnati, Ohio.
Filed February 18, 1936. Serial No. 374,963. PUBLISHED NOVEMBER 24, 1936. Class 6.

343,006. PREPARATION CONTAINING VITAMINS A, D, AND E IN MINERAL OIL FOR USE AS A LAXATIVE. ROYAL MANUFACTURING CO. OF DUQUESNE, Duquesne, Pa.
Filed March 12, 1936. Serial No. 375,902. PUBLISHED OCTOBER 20, 1936. Class 6.

343,007. RUBBER TIRE SLOTTING OR RETREADING MACHINERY. BENDIX PRODUCTS CORPORATION, South Bend, Ind.
Filed March 21, 1936. Serial No. 376,238. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,008. ALUM POWDER, ANISE SEED, BABY POWDER, BICARBONATE OF SODA, BORAX, BORIC ACID, BORIC ACID POWDER, ETC. MAX HELLER, doing business as Exeller Chemical Company, New York, N. Y.
Filed March 21, 1936. Serial No. 376,243. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,009. WOMEN'S HOSIERY. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa.
Filed March 30, 1936. Serial No. 376,565. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,010. MACHINERY FOR HANDLING PACKAGING MATERIAL AND FOR PRODUCING AND FABRICATING PACKAGES AND WRAPPINGS, ETC. WRAP-ADE MACHINE COMPANY, Newark, N. J.
Filed April 3, 1936. Serial No. 376,786. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,011. PHOTOGRAPHIC CAMERAS, PHOTOGRAPHIC PRINTING MACHINES, AND PROJECTORS. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich.
Filed April 11, 1936. Serial No. 377,115. PUBLISHED DECEMBER 1, 1936. Class 26.

343,012. MAYONNAISE. A MABEL PARKER, New York, N. Y.
Filed April 18, 1936. Serial No. 377,369. PUBLISHED DECEMBER 1, 1936. Class 46.

343,013. LADIES' HATS. LEIGHTON HAT CO. INC., New York, N. Y.
Filed April 25, 1936. Serial No. 377,638. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,014. WINES. THE CORK & BOTTLE INC., New York, N. Y.
Filed April 28, 1936. Serial No. 377,735. PUBLISHED AUGUST 25, 1936. Class 47.

343,015. CARPET SWEEPERS. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich.
Filed April 30, 1936. Serial No. 377,831. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,016. LAUNDRY BLEACH PREPARATIONS AND WATER SOFTENER PREPARATIONS. WILLIAM S. DIETRICH, doing business as Pokadot Chemical Company, Greenville, Pa.
Filed May 8, 1936. Serial No. 378,186. PUBLISHED DECEMBER 1, 1936. Class 6.

343,017. ELECTRICAL EQUIPMENT—NAMELY, COLORIMETERS, WEIGHT CHECKS FOR SMALL QUANTITY WEIGHT CHECKING, COUNTERS FOR COUNTING ARTICLES MOVING ON CONVEYORS, AND SMOKE INDICATORS FOR USE IN BOILER SYSTEMS TO WARN OF EXCESSIVE STACK SMOKE. LUXTROL COMPANY, INC., New York, N. Y.
Filed May 12, 1936. Serial No. 378,367. PUBLISHED NOVEMBER 24, 1936. Class 26.

343,018. CUTLERY—NAMELY, RAZORS, BARBER SHEARS, BARBER CLIPPERS, HOUSEHOLD SCISSORS, TAILOR SHEARS, SAFETY RAZOR BLADES, INK KNIVES, POCKET KNIVES, BUTCHER KNIVES, BASE METAL TABLE CUTLERY. KRAUT & DOHNAL, Chicago, Ill.
Filed May 14, 1936. Serial No. 378,439. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,019. CUTLERY—NAMELY, RAZORS, BARBER SHEARS, BARBER CLIPPERS, HOUSEHOLD SCISSORS, TAILOR SHEARS, SAFETY RAZOR BLADES, INK KNIVES, POCKET KNIVES, BUTCHER KNIVES, BASE METAL TABLE CUTLERY. KRAUT & DOHNAL, Chicago, Ill.
Filed May 22, 1936. Serial No. 378,729. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,020. AUDIO AND ELECTRIC AMPLIFIERS, MICROPHONES, LOUD SPEAKERS, AND SELECTOR SWITCHES. THE BELL SOUND SYSTEMS INC., Columbus, Ohio.
Filed May 25, 1936. Serial No. 378,819. PUBLISHED NOVEMBER 24, 1936. Class 21.

343,021. PEARLS. TREASURE IMPORTS, INC., New York, N. Y.
Filed May 25, 1936. Serial No. 378,865. PUBLISHED NOVEMBER 24, 1936. Class 28.

343,022. SOLVENTS HAVING GENERAL USE IN THE INDUSTRIAL ARTS. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y.
Filed May 27, 1936. Serial No. 378,936. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,023. DENTIFRICES. ALFRED MOORE HOGARTH, London, England.
Filed June 22, 1936. Serial No. 380,058. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,024. COFFEE. LATOURAINE COFFEE CO., Boston, Mass.
Filed June 26, 1936. Serial No. 380,178. PUBLISHED DECEMBER 1, 1936. Class 46.

343,025. PREPARATION FOR DEODORIZING AND TREATING ATHLETE'S FOOT. SWEET FEET, INCORPORATED, Gulfport, Miss.
Filed June 30, 1936. Serial No. 380,466. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,026. COTTON PIECE GOODS. ARTHUR BEIR & CO., INC., New York, N. Y.
Filed July 1, 1936. Serial No. 380,469. PUBLISHED DECEMBER 1, 1936. Class 42.

343,027. FERTILIZER AND SOIL IMPROVERS. HYPER-HUMUS COMPANY, Newton, N. J.
Filed July 2, 1936. Serial No. 380,514. PUBLISHED DECEMBER 1, 1936. Class 10.

343,028. VALVE DEVICE USED FOR BLEEDING HYDRAULIC BRAKES OF VEHICLES. SOLO AUTOMOTIVE ENGINEERING CO., New York, N. Y., assignor To Solo Automotive Manufacturing Company, Inc., New York, N. Y.
Filed July 10, 1936. Serial No. 380,888. PUBLISHED DECEMBER 1, 1936. Class 13.

343,029. SHOES MADE OF LEATHER, OR FABRIC, OR COMBINATIONS OF THESE MATERIALS. A. FREEDMAN & SONS, INC., New Bedford, Mass.
Filed July 14, 1936. Serial No. 380,988. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,030. PHOTOGRAPHIC, MICROPHOTOGRAPHIC, PROJECTING AND MICROSCOPE OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed July 14, 1936. Serial No. 381,014. PUBLISHED NOVEMBER 24, 1936. Class 26.

343,031. TEXTILE FABRICS—NAMELY, VELVETS, SILK FABRICS, COTTON FABRICS, RAYON FABRICS, AND FABRICS COMPOSED OF SYNTHETIC YARNS, IN THE PIECE. DUPLAN SILK CORPORATION, New York, N. Y.
Filed July 15, 1936. Serial No. 381,027. PUBLISHED DECEMBER 1, 1936. Class 42.

343,032. SCENIC INSECT CAGES. FRANK EUGENE AUSTIN, Hanover, N. H.
Filed July 15, 1936. Serial No. 381,103. PUBLISHED DECEMBER 1, 1936. Class 50.

343,033. SCENIC INSECT CAGES. FRANK EUGENE AUSTIN, Hanover, N. H.
Filed July 15, 1936. Serial No. 381,104. PUBLISHED DECEMBER 1, 1936. Class 50.

343,034. COMBINATION OF CHEMICALS MADE INTO A COMPOUND FOR USE IN FUEL OILS. FUELITE OIL TREATING CORPORATION, Chicago, Ill.
Filed July 15, 1936. Serial No. 381,105. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,035. FABRICS COATED WITH CELLULOSE DERIVATIVES AND FABRICS COATED WITH RESINOUS MATERIAL. L. E. CARPENTER & Co., INC., Newark, N. J.
Filed July 21, 1936. Serial No. 381,258. PUBLISHED DECEMBER 1, 1936. Class 50.

343,036. CORK PACKINGS FOR JOINTS. DEUTSCHE BENZINUHREN G. m. b. H., Berlin, Germany.
Filed July 21, 1936. Serial No. 381,262. PUBLISHED NOVEMBER 24, 1936. Class 35.

343,037. MEASURING AND INDICATING INSTRUMENTS—NAMELY, MILEAGE INDICATORS, FUEL, OIL, AND WATER GAUGES, FUEL PRESSURE GAUGES, ALTIMETERS, AND COMPASSES (MAGNETIC NEEDLE). DEUTSCHE BENZINUHREN, G. m. b. H., Berlin, Germany.
Filed July 21, 1936. Serial No. 381,264. PUBLISHED NOVEMBER 24, 1936. Class 26.

343,038. PRINTERS' ROLLERS. WORTMAN ROLLER COMPANY, Cincinnati, Ohio.
Filed July 21, 1936. Serial No. 381,304. PUBLISHED DECEMBER 1, 1936. Class 23.

343,039. VAPORIZERS OF VOLATILE MATERIALS INCLUDING MEDICAMENTS AND DEODORANTS AND FUMIGANTS AND PERFUMES. MORTIMER B. PARKER, Oakland, Calif.
Filed July 23, 1936. Serial No. 381,374. PUBLISHED DECEMBER 1, 1936. Class 44.

343,040. VAPORIZERS OF VOLATILE MATERIALS INCLUDING MEDICAMENTS AND DEODORANTS AND FUMIGANTS AND PERFUMES. MORTIMER B. PARKER, Oakland, Calif.
Filed July 23, 1936. Serial No. 381,375. PUBLISHED DECEMBER 1, 1936. Class 44.

343,041. BLENDED BRIAR SMOKING PIPES. COMOLITE CORPORATION, Long Island City, N. Y.
Filed July 25, 1936. Serial No. 381,393. PUBLISHED DECEMBER 1, 1936. Class 8.

343,042. CANNED TOMATOES, CANNED TOMATO PULP, CANNED TOMATO JUICE. CAAR CANNING COMPANY, Redkey, Ind.
Filed July 24, 1936. Serial No. 381,400. PUBLISHED DECEMBER 1, 1936. Class 46.

343,043. STARCH LUBRICANT FOR LAUNDRY USE. CARMAN & CO., INC., New York, N. Y.
Filed July 24, 1936. Serial No. 381,401. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,044. VENETIAN BLINDS. KIRSCH COMPANY, Sturgis, Mich.
Filed July 25, 1936. Serial No. 381,460. PUBLISHED NOVEMBER 24, 1936. Class 32.

343,045. PREPARATION FOR THE TREATMENT OF SKIN INFECTIONS. THE SANIFOOT COMPANY, Kansas City, Mo.
Filed July 25, 1936. Serial No. 381,467. PUBLISHED DECEMBER 1, 1936. Class 6.

343,046. WOOD CASED LEAD PENCILS AND MECHANICAL PENCILS. NATIONAL PENCIL COMPANY, Shelbyville, Tenn.
Filed July 28, 1936. Serial No. 381,536. PUBLISHED DECEMBER 1, 1936. Class 37.

343,047. MECHANICAL RAZOR BLADE SHARPENERS. MAXIMAX INCORPORATED, Chicago, Ill.
Filed July 31, 1936. Serial No. 381,680. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,048. SEDATIVE AND HYPNOTIC PREPARATIONS. NUTRI-BROM PHARMACAL CO., INC., Brooklyn, N. Y.
Filed July 31, 1936. Serial No. 381,685. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,049. PREPARATION FOR THE TREATMENT OF THE FEET. SEEBASCO LABORATORIES, INC., Richmond, Va.
Filed July 31, 1936. Serial No. 381,693. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,050. PREPARATION FOR CORN AND CALLOUS REMOVING AND BUNION TREATING. ROSE NEWMAN, doing business as Newman Products Co., Brooklyn, N. Y.
Filed August 1, 1936. Serial No. 381,723. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,051. GLASS BOTTLES FOR BEER. ATLAS BREWING COMPANY, Chicago, Ill.
Filed August 3, 1936. Serial No. 381,750. PUBLISHED DECEMBER 1, 1936. Class 33.

343,052. ALCOHOLIC BITTERS, BRANDY, COCKTAILS, CORDIALS, GIN, RUM, AND WHISKEY. MOHAWK LIQUEUR CORPORATION, Detroit, Mich.
Filed February 25, 1935. Serial No. 361,811. PUBLISHED APRIL 30, 1935. Class 49.

343,053. INTERNAL COMBUSTION ENGINES AND PARTS THEREOF AND VARIABLE GEARINGS BEING PARTS OF MACHINES FOR MOTOR VEHICLES AND AIRCRAFT. ROLLS-ROYCE LIMITED, Derby, England.
Filed August 4, 1936. Serial No. 381,817. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,054. RODENT AND VERMIN POISONS. GUNNLAUGUR TRYGGVI ATHELSTAN, doing business as Athelstan Products Co., Minneapolis, Minn.
Filed August 5, 1936. Serial No. 381,833. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,055. PREPARATIONS USED AS AN EFFECTIVE BLOOD BUILDER IN HYPOCHROMIC FORMS OF ANEMIA AND AS A HEMATINIC AND GENERAL RECONSTRUCTIVE TONIC. RARE CHEMICALS, INC., Nepera Park, N. Y.
Filed August 6, 1936. Serial No. 381,877. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,056. PREPARATION TO KILL RATS AND MICE. JOHN J. LAUB, doing business as Laub Rat-Kiss Co., Pekin, Ill.
Filed August 3, 1936. Serial No. 381,896. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,057. PHARMACEUTICAL PREPARATION EITHER AS A LIQUID OR TABLET, BEING A MEDICINAL PREPARATION CONSISTING IN GREAT PART OF FERROUS SULPHATE DESIGNED TO AID PERSONS SUFFERING FROM AN IRON DEFICIENCY. LONGWOOD PHARMACY, INC., doing business as Longwood Dietetic House, Boston, Mass.
Filed August 7, 1936. Serial No. 381,899. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,058. MECHANICAL PARTS FOR USE IN CONNECTION WITH THE VALVE OPERATED MECHANISM OF INTERNAL COMBUSTION ENGINES, INCLUDING TAPPETS, ROCKER ARMS, VALVE LIFTERS, AND VALVE MECHANISMS. WILCOX-RICH CORPORATION, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio.
Filed August 7, 1936. Serial No. 381,926. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,059. TOILET KITS. JAMES HUNTLEY, Philadelphia, Pa.
Filed August 8, 1936. Serial No. 381,943. PUBLISHED DECEMBER 1, 1936. Class 3.

343,060. PICKLING SALT. HENRY DEUTINGER, New York, N. Y.
Filed August 10, 1936. Serial No. 381,971. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,061. FARM TRACTORS, GENERAL PURPOSE TRACTORS, ORCHARD TRACTORS, ROAD TRACTORS, INDUSTRIAL TRACTORS, STATIONARY ENGINES, ETC. OLIVER FARM EQUIPMENT COMPANY, Chicago, Ill.
Filed August 10, 1936. Serial No. 381,999. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,062. PREPARATION FOR RHEUMATISM, LUMBAGO, NEURITIS, AND SCIATICA. RUMA-BAN LABORATORIES, INC., Greenville, N. C.
Filed August 10, 1936. Serial No. 382,005. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,063. CONCENTRATES AND CHEMICALS FOR THE MANUFACTURE OF VARIOUS TYPES OF INSECTICIDES, INCLUDING AGRICULTURAL. R. J. PRENTISS & CO., INC., New York, N. Y.
Filed August 12, 1936. Serial No. 382,072. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,064. SODIUM PYROPHOSPHATES AND SODIUM PYROPHOSPHATE MIXTURES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed August 12, 1936. Serial No. 382,098. PUBLISHED DECEMBER 1, 1936. Class 6.

343,065. SANCTUARY LAMPS. A. GROSS CANDLE CO. INC., Baltimore, Md.
Filed August 14, 1936. Serial No. 382,155. PUBLISHED DECEMBER 8, 1936. Class 34.

343,066. DYES. PHARMA-CHEMICAL CORPORATION, New York, N. Y., and Bayonne, N. J.
Filed August 14, 1936. Serial No. 382,167. PUBLISHED DECEMBER 1, 1936. Class 6.

343,067. WOOD CASED AND MECHANICAL PENCILS. SANDERS MANUFACTURING COMPANY, Nashville, Tenn.
Filed August 14, 1936. Serial No. 382,180. PUBLISHED NOVEMBER 24, 1936. Class 37.

343,068. HOSIERY, WOMEN'S AND CHILDREN'S DRESSES, LEATHER AND FABRIC GLOVES, CORSETS, BATHING SUITS, SHOES OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS THEROF, WOMEN'S AND CHILDREN'S UNDERWEAR, NIGHTGOWNS, AND SLIPS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed August 17, 1936. Serial No. 382,288. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,069. ELECTRIC HOT PLATES DESIGNED ESPECIALLY FOR COOKING. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed August 17, 1936. Serial No. 382,291. PUBLISHED NOVEMBER 24, 1936. Class 21.

343,070. AUTOMOTIVE MUFFLERS AND EXHAUST AND TAIL PIPES. PRATT INDUSTRIES, INC., Frankfort, N. Y.
Filed August 18, 1936. Serial No. 382,320. PUBLISHED DECEMBER 1, 1936. Class 23.

343,071. NAIL POLISH REMOVER AND THINNER. SCHNEFEL BROS. CORPORATION, Newark, N. J.
Filed August 18, 1936. Serial No. 382,323. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,072. OLIVE OIL. ANGELA MARRONE COUPE, doing business as Vincenzo Marrone, Utica, N. Y.
Filed August 19, 1936. Serial No. 382,345. PUBLISHED DECEMBER 1, 1936. Class 46.

343,073. CREPE PAPER. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed August 19, 1936. Serial No. 382,346. PUBLISHED NOVEMBER 24, 1936. Class 37.

343,074. PHARMACEUTICAL PRODUCTS—NAMELY, REDUCING PRODUCTS IN THE FORM OF SUPPOSITORIES. MICHEL DE ZALEWSKI, Paris, France.
Filed August 19, 1936. Serial No. 382,347. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,075. SHOES, SLIPPERS, AND BOOTS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, SPATS, AND SHOE FINDINGS—NAMELY, HEELS, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS. MURRAY M. ROSENBERG, INC., New York, N. Y.
Filed August 19, 1936. Serial No. 382,359. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,076. ELECTRICALLY OPERATED VACUUM CLEANERS. ZEPHYR COMPANY, Minneapolis, Minn.
Filed August 20, 1936. Serial No. 382,406. PUBLISHED DECEMBER 1, 1936. Class 21.

343,077. TOOTH PASTE. THE SHEFFIELD COMPANY, New London, Conn.
Filed August 21, 1936. Serial No. 382,450. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,078. LADIES' MUFFLER AND GLOVE ENSEMBLES, THE SAID GLOVES BEING MADE OF LEATHER AND FABRIC. BENNETT-LANG CORPORATION, New York, N. Y.
Filed August 22, 1936. Serial No. 382,462. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,079. SCALP PREPARATION. FRANK J. HALLAUER, doing business as Cronwell Co., Washington, D. C.
Filed August 22, 1936. Serial No. 382,472. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,080. GELATIN. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed August 22, 1936. Serial No. 382,492. PUBLISHED DECEMBER 1, 1936. Class 46.

343,081. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. TOBER-SAIFER SHOE COMPANY, St. Louis, Mo.
Filed August 24, 1936. Serial No. 382,537. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,082. SODIUM DICHROMATE, SULPHUR DIOXIDE REDUCED TANNING COMPOUND. VIRGINIA SMELTING COMPANY, West Norfolk, Va.
Filed August 24, 1936. Serial No. 382,538. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,083. SMOKING TOBACCO PRIMARILY FOR PIPES. KRAEMER'S STORES, INC., Toledo, Ohio.
Filed August 25, 1936. Serial No. 382,559. PUBLISHED NOVEMBER 24, 1936. Class 17.

343,084. NEEDLEWORK PATTERNS. THE MAYFAIR NEEDLEWORK PATTERN COMPANY, INC., New York, N. Y.
Filed August 25, 1936. Serial No. 382,564. PUBLISHED DECEMBER 1, 1936. Class 26.

343,085. SERVICE APPAREL—NAMELY, WASH UNIFORMS, COOKS' AND WAITRESSES' UNIFORMS, MECHANICS' SUITS AND COATS, ETC. ROCKY MOUNTAIN GARMENT MANUFACTURING CO., Denver, Colo.
Filed August 25, 1936. Serial No. 382,571. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,086. WINES. SUNNY HILL WINERIES, Chicago, Ill.
Filed August 26, 1936. Serial No. 382,609. PUBLISHED DECEMBER 1, 1936. Class 47.

343,087. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER OR TEXTILE MATERIAL. THE IRVING DREW COMPANY, Portsmouth, Ohio.
Filed August 27, 1936. Serial No. 382,622. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,088. VERMOUTH. ETABLISSEMENTS PERNOD, MAISONS PERNOD FILS, HEMARD & PERNOD PERE & FILS REUNIES (SOCIÉTÉ ANONYME), Paris, France.
Filed August 27, 1936. Serial No. 382,623. PUBLISHED DECEMBER 1, 1936. Class 47.

343,089. MEN'S AND WOMEN'S FELT HATS. THE GEORGE MCLACHLAN HAT COMPANY, Danbury, Conn.
Filed August 27, 1936. Serial No. 382,633. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,090. OXYGEN BREATHING APPARATUS. BISHINGER KOEHLER MANUFACTURING COMPANY, INC., Pittsburgh, Pa.
Filed August 31, 1936. Serial No. 382,747. PUBLISHED DECEMBER 1, 1936. Class 44.

343,091. HATS FOR MEN, WOMEN, AND CHILDREN. WM. KNOWLTON & SONS COMPANY, Upton, Mass.
Filed September 1, 1936. Serial No. 382,798. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,092. PREPARATION USED IN THE TREATMENT OF CANCER, TUBERCULOSIS, DIABETES, TOXIC GOITER, AND INFANTILE PARALYSIS. WILLIAM FREDERICK KOCH, doing business as Koch Laboratories, Detroit, Mich.
Filed September 1, 1936. Serial No. 382,799. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,093. DENATURANT FOR ETHYL ALCOHOL. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn.
Filed September 1, 1936. Serial No. 382,814. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,094. SOUND DETECTING AND REPRODUCING EQUIPMENT AND PARTICULARLY FOR DEVICES FOR TRANSLATING ACOUSTICAL ENERGY INTO ELECTRICAL ENERGY OR VICE VERSA. TRANSDUCER CORPORATION, New York, N. Y.
Filed September 2, 1936. Serial No. 382,846. PUBLISHED DECEMBER 1, 1936. Class 21.

343,095. VETERINARY PREPARATION FOR THE TREATMENT OF ANIMAL SKIN DISORDERS COMPRISING AN EMULSIFIED OIL BASE CONTAINING COLLOIDAL SULPHUR AND A NON-TOXIC ANTISEPTIC. CLARENCE ACTON WILSON, doing business as The Wilmont Co., New York, N. Y.
Filed September 2, 1936. Serial No. 382,849. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,096. VETERINARY PREPARATION FOR THE TREATMENT OF ANIMAL SKIN DISORDERS COMPRISING AN EMULSIFIED OIL BASE CONTAINING COLLOIDAL SULPHUR AND A NON-TOXIC PARASITICIDE AND FUNGICIDE. CLARENCE ACTON WILSON, doing business as The Wilmont Co., New York, N. Y.
Filed September 2, 1936. Serial No. 382,850. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,097. THREAD AND YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed September 3, 1936. Serial No. 382,854. PUBLISHED DECEMBER 1, 1936. Class 43.

343,098. INSECTICIDES. GUSTAVE NAPOLEON, doing business as Napco Products Company, Trenton, N. J.
Filed September 3, 1936. Serial No. 382,881. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,099. TONIC PREPARATION FOR USE IN THE TREATMENT OF DISEASES OF THE COLON. MRS. JAMES S. ROBINSON, doing business as James S. Robinson, Apothecary, Memphis, Tenn.
Filed September 3, 1936. Serial No. 382,888. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,100. VACUUM OR GAS-FILLED TUBES FOR ULTRA-VIOLET LAMPS. WESTINGHOUSE LAMP COMPANY, Bloomfield, N. J., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania.
Filed September 3, 1936. Serial No. 382,897. PUBLISHED DECEMBER 1, 1936. Class 44.

343,101. MACHINES FOR MAKING CARBURETED GAS. S. H. G. INCORPORATED, Chicago, Ill.
Filed September 4, 1936. Serial No. 382,931. PUBLISHED DECEMBER 1, 1936. Class 34.

343,102. COVERS FOR AUTOMOBILE CUSHIONS, SEATS, AND SEAT BACKS. THE S. E. HYMAN COMPANY, Fremont, Ohio.
Filed September 5, 1936. Serial No. 382,953. PUBLISHED DECEMBER 1, 1936. Class 19.

343,103. COVERS FOR AUTOMOBILE CUSHIONS, SEATS, AND SEAT BACKS. THE S. E. HYMAN COMPANY, Fremont, Ohio.
Filed September 5, 1936. Serial No. 382,954. PUBLISHED DECEMBER 1, 1936. Class 19.

343,104. MEDICINAL PREPARATION FOR THE TREATMENT OF CONSTIPATION. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed September 5, 1936. Serial No. 382,968. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,105. MEDICINAL PREPARATION FOR THE TREATMENT OF PEPTIC ULCER. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed September 5, 1936. Serial No. 382,969. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,106. PRINTING MACHINES AND PARTS THEREOF, DUPLICATING MACHINES AND PARTS THEREOF, ADDRESS PRINTING MACHINES AND PARTS THEREOF, ETC. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Cleveland and Euclid, Ohio.
Filed September 8, 1936. Serial No. 382,998. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,107. BEER FAUCETS. THE CORNELIUS COMPANY, Minneapolis, Minn.
Filed September 8, 1936. Serial No. 383,007. PUBLISHED DECEMBER 1, 1936. Class 13.

343,108. SELF-MEASURING GASOLINE PUMPS. TOKHEIM OIL TANK & PUMP CO., Fort Wayne, Ind.
Filed September 8, 1936. Serial No. 383,040. PUBLISHED DECEMBER 1, 1936. Class 26.

343,109. HOSIERY. THOMAS H. BROWN HOSIERY CO., INC., Philadelphia, Pa.
Filed September 10, 1936. Serial No. 383,084. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,110. WOMEN'S HATS. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed September 10, 1936. Serial No. 383,108. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,111. PISTON RINGS FOR INTERNAL COMBUSTION ENGINES. A. B. CHANCE CO., Centralia, Mo.
Filed September 11, 1936. Serial No. 383,119. PUBLISHED DECEMBER 1, 1936. Class 35.

343,112. EMMENAGOGUE. S. M. LABORATORIES, INC., Seattle, Wash.
Filed September 11, 1936. Serial No. 383,141. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,113. TELEPHONIC ELECTRICAL ANNUNCIATORS AND CALL SYSTEMS AND THE LIKE, PUBLIC ADDRESS SYSTEMS AND SPEAKERS, AMPLIFIER SYSTEMS, UNITS AND LOUD SPEAKER CONTROLS AND PARTS FOR SAME. L. W. THOMSEN, doing business as Capitol Amplifier Company, Washington, D. C.
Filed September 11, 1936. Serial No. 383,146. PUBLISHED DECEMBER 1, 1936. Class 21.

343,114. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. BEN KNOWLTON VAN KORN, doing business as The Vanis Company, Philadelphia, Pa.
Filed September 11, 1936. Serial No. 383,151. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,115. HUMAN HAIR USED IN MAKING HAIR NETS. THE GLEMBY COMPANY, INC., New York, N. Y.
Filed September 12, 1936. Serial No. 383,167. PUBLISHED NOVEMBER 24, 1936. Class 1.

343,116. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. PARFUMS LENGYEL, LTD., Dover, Del., and New York, N. Y.
Filed September 12, 1936. Serial No. 383,178. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,117. TOILET PREPARATION USED AS A SKIN BEAUTIFIER. TOKALON CHEMICAL CORPORATION, New York, N. Y.
Filed September 12, 1936. Serial No. 383,189. PUBLISHED NOVEMBER 10, 1936. Class 6.

343,118. SELF RISING PANCAKE FLOUR; WHEAT HEARTS, A CEREAL PREPARED FROM THE HEART OF THE WHEAT; YELLOW CORN MEAL, WHITE CORN MEAL, WHOLE WHEAT FLOUR, GRAHAM FLOUR, WHITE FLOUR. CHADRON FLOUR MILLS, Chadron, Nebr.
Filed September 14, 1936. Serial No. 383,215. PUBLISHED DECEMBER 1, 1936. Class 46.

343,119. HAND OPERATED TOOLS CONSISTING OF TOOLS AND PARTS THEREOF—NAMELY, HAY FORKS, GARDEN RAKES, SPADING FORKS, GARBAGE HOOKS, MANURE HOOKS, POTATO HOOKS, LAWN RAKES, GARDEN SPADES, GRAIN SCOOPS, COAL SHOVELS, GARDEN HOES. MILLER MANUFACTURING CO., Hicksville, Ohio.
Filed September 14, 1936. Serial No. 383,216. PUBLISHED DECEMBER 1, 1936. Class 23.

343,120. ARTICLES OF FURNITURE—NAMELY, BUFFETS, DINING TABLES, SERVING TABLES, CHINA CABINETS, CORNER CABINETS, MIRRORS, ETC. TOMLINSON OF HIGH POINT, High Point, N. C.
Filed September 14, 1936. Serial No. 383,238. PUBLISHED DECEMBER 1, 1936. Class 32.

343,121. PREPARATION FOR ACUTE INDIGESTION, BLOAT, AND COLIC IN HORSES AND CATTLE AND SCOURS IN CALVES. EDWARD WENGER, doing business as Ed Wenger, Monroe, Wis.
Filed September 15, 1936. Serial No. 383,278. PUBLISHED DECEMBER 1, 1936. Class 6.

343,122. PHOTOGRAPHIC, MICROPHOTOGRAPHIC, PROJECTING AND MICROSCOPE OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed September 15, 1936. Serial No. 383,280. PUBLISHED NOVEMBER 24, 1936. Class 26.

343,123. CANNED OLIVES, ALBERS PACKING COMPANY, Riverside, Calif.
Filed September 16, 1936. Serial No. 383,290. PUBLISHED DECEMBER 1, 1936. Class 46.

343,124. FACIAL TISSUES. FEDERATED MILLS, INC., New York, N. Y.
Filed September 16, 1936. Serial No. 383,300. PUBLISHED DECEMBER 1, 1936. Class 37.

343,125. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO, Passaic, N. J.
Filed September 16, 1936. Serial No. 383,304. PUBLISHED DECEMBER 1, 1936. Class 42.

343,126. ELECTRICALLY OPERATED SIGN BOARDS. NACO AMUSEMENT CO., Prescott, Ariz.
Filed September 16, 1936. Serial No. 383,319. PUBLISHED DECEMBER 1, 1936. Class 21.

343,127. WOMEN'S AND MISSES' HATS, COATS, DRESSES, SUITS, JERKINS, SWEATERS, BATHING SUITS, BEACH ROBES, ETC. NATIONAL DEPARTMENT STORES MANAGEMENT & BUYING CORPORATION, New York, N. Y.
Filed September 16, 1936. Serial No. 383,320. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,128. CHEMICAL COMPOUNDS IN THE FORM OF SOLUTIONS, PASTES, AND THE LIKE, USED FOR PLANT GROWTH STIMULATION. MERCK & CO. INC., Rahway, N. J.
Filed September 18, 1936. Serial No. 383,341. PUBLISHED NOVEMBER 24, 1936. Class 6.

343,129. COMBINATION STEAMER, WASHER, AND STERILIZER FOR CREAM CANS. HOWARD A. CLARK, Clay Center, Kans.
Filed September 17, 1936. Serial No. 383,347. PUBLISHED DECEMBER 1, 1936. Class 23.

343,130. DIAPERS. JOY PRODUCTS CORPORATION, Little Falls, N. Y.
Filed September 17, 1936. Serial No. 383,358. PUBLISHED DECEMBER 1, 1936. Class 42.

343,131. LEATHER GLOVES. THE DANIEL HAYS COMPANY, INC., Gloversville, N. Y.
Filed September 18, 1936. Serial No. 383,392. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,132. PREPARATIONS USED IN AND FOR THE TREATMENT OF DISORDERS AND FUNCTIONAL IRRITATIONS OF THE STOMACH, INTESTINES, AND OTHER ORGANS OF THE DIGESTIVE SYSTEM. THE KNOX COMPANY, Los Angeles, Calif.
Filed September 18, 1936. Serial No. 383,394. PUBLISHED NOVEMBER 24, 1936. Class 6.

343,133. PREPARATIONS USED IN AND FOR THE TREATMENT OF ASTHMA, HAY FEVER, AND RELATED PULMONARY CONDITIONS. THE KNOX COMPANY, Los Angeles, Calif.
Filed September 18, 1936. Serial No. 383,395. PUBLISHED NOVEMBER 24, 1936. Class 6.

343,134. PREPARATIONS USED IN AND FOR THE TREATMENT OF RINGWORM, FUNGUS CONDITIONS OF THE SKIN AND FEET, AND OTHER SKIN AFFECTIONS. THE KNOX COMPANY, Los Angeles, Calif.
Filed September 18, 1936. Serial No. 383,396. PUBLISHED NOVEMBER 24, 1936. Class 6.

343,135. CAR WHEELS. SOUTHERN WHEEL COMPANY, New York, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del., a corporation of Delaware.
Filed September 18, 1936. Serial No. 383,409. PUBLISHED DECEMBER 1, 1936. Class 19.

343,136. WINES. MONARCH WINE CO., INC., New York, N. Y.
Filed September 19, 1936. Serial No. 383,415. PUBLISHED DECEMBER 1, 1936. Class 47.

343,137. WINES. PETRI CIGAR CO., doing business as Petri Wine Company, San Francisco, Calif.
Filed September 19, 1936. Serial No. 383,443. PUBLISHED DECEMBER 1, 1936. Class 47.

343,138. VEHICLE WHEEL BALANCING WEIGHTS. FOOD MACHINERY CORPORATION, San Jose, Calif.
Filed September 23, 1936. Serial No. 383,521. PUBLISHED DECEMBER 1, 1936. Class 19.

343,139. EAU DE COLOGNE, LAVENDER WATER, HAIR WASHES, PERFUMES, BRILLIANTINE, DEPILATORY, SHAMPOO POWDER, HAIR OIL, MOUTH WASH, ETC. LES PARFUMS CHYPRON SOCIETE ANONYME, Courbevoie/Seine, France.
Filed September 23, 1936. Serial No. 383,536. PUBLISHED DECEMBER 1, 1936. Class 6.

343,140. FOOD CHOPPERS. TOLEDO SCALE COMPANY, Toledo, Ohio.
Filed September 23, 1936. Serial No. 383,552. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,141. VAGINAL ANTISEPTIC. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed September 24, 1936. Serial No. 383,581. PUBLISHED DECEMBER 1, 1936. Class 6.

343,142. HAIR TONIC AND HAIR DRESSING. PAUL WESTPHAL, INC., New York, N. Y.
Filed September 24, 1936. Serial No. 383,609. PUBLISHED DECEMBER 1, 1936. Class 6.

343,143. LEATHER SHOES. GOODYEAR FOOTWEAR CORPORATION, Providence, R. I.
Filed September 26, 1936. Serial No. 383,680. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,144. ANTISEPTIC NAIL LOTION AND SKIN OINTMENT USED IN THE TREATMENT OF PIMPLES, RINGWORM, TETTER, ERUPTIONS, BLACKHEADS, IRRITATIONS, AND THE LIKE. NORTHAM WARREN CORPORATION, New York, N. Y.
Filed September 26, 1936. Serial No. 383,684. PUBLISHED DECEMBER 1, 1936. Class 6.

343,145. CANNED FRUIT COCKTAIL, CANNED FRUITS, CANNED VEGETABLES, CANNED VEGETABLE JUICES FOR FOOD PURPOSES. CAVA PACKING COMPANY, INC., San Francisco, Calif.
Filed September 28, 1936. Serial No. 383,720. PUBLISHED DECEMBER 1, 1936. Class 46.

343,146. CANDY. MARS INCORPORATED, Chicago, Ill.
Filed September 28, 1936. Serial No. 383,744. PUBLISHED DECEMBER 1, 1936. Class 46.

343,147. FRUIT PRESERVES, JAMS, JELLIES, HONEY, PEANUT BUTTER, CANE AND MAPLE SYRUP, MINCE MEAT, CRANBERRY SAUCE, APPLE BUTTER AND LEKVAR (PRUNE BUTTER), AND CONDIMENTS—NAMELY, MUSTARD AND BARBECUE SAUCE. PRESERVES & HONEY, INC., New York, N. Y.
Filed September 28, 1936. Serial No. 383,749. PUBLISHED DECEMBER 1, 1936. Class 46.

343,148. COFFEE. S. A. SCHONBRUNN & CO. INC., New York, N. Y.
Filed September 28, 1936. Serial No. 383,752. PUBLISHED DECEMBER 1, 1936. Class 46.

343,149. CHEESE, CANNED VEGETABLES, TOMATO PASTE. J. R. TOLIBIA, New York, N. Y.
Filed September 28, 1936. Serial No. 383,755. PUBLISHED DECEMBER 1, 1936. Class 46.

343,150. MATÉ. E. S. BRANDT, Los Angeles, Calif.
Filed September 29, 1936. Serial No. 383,766. PUBLISHED DECEMBER 1, 1936. Class 46.

343,151. LIPSTICK, COLD CREAM, CLEANSING CREAM, SKIN TEXTURE CREAM, TOILET WATER, HAND LOTION, ASTRINGENT CLEANSING LOTION, ROUGE, FACE POWDER, SACHETTE, DUSTING POWDER, TALCUM, BATH SALTS, PERFUMES, AND ROUGE COMPACTS, POWDER COMPACTS, ROUGE AND POWDER COMPACTS. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed September 29, 1936. Serial No. 383,776. PUBLISHED DECEMBER 1, 1936. Class 6.

343,152. ELECTRO-MEDICAL AND ELECTRO-SURGICAL APPARATUS. MURLEY-ROLLESTON CORPORATION, New York, N. Y.
Filed September 29, 1936. Serial No. 383,778. PUBLISHED DECEMBER 1, 1936. Class 44.

343,153. SHOES MADE OF LEATHER AND/OR CLOTH. THE FLORSHEIM SHOE COMPANY, Chicago, Ill.
Filed September 30, 1936. Serial No. 383,805. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,154. OINTMENT FOR THE TREATMENT OF ATHLETE'S FOOT. G. F. MASENGARB, doing business as The Masex Company, Rockford, Ill.
Filed September 30, 1936. Serial No. 383,813. PUBLISHED DECEMBER 1, 1936. Class 6.

343,155. VACUUM CLEANERS OPERATED BY COMPRESSED AIR. WALTER C. REED, North Hollywood, Calif.
Filed September 30, 1936. Serial No. 383,817. PUBLISHED NOVEMBER 24, 1936. Class 23.

343,156. BEER AND ALE. THE NEW ENGLAND BREWING COMPANY, Hartford, Conn.
Filed October 1, 1936. Serial No. 383,849. PUBLISHED DECEMBER 1, 1936. Class 48.

343,157. DECORATIVE ELECTRIC LIGHTING OUTFITS FOR CHRISTMAS TREES AND LAMPS THEREFOR. RAYLITE TRADING CO., INC., New York, N. Y.
Filed October 1, 1936. Serial No. 383,853. PUBLISHED NOVEMBER 24, 1936. Class 21.

343,158. RADIO RECEIVING SETS, TELEVISION RECEIVING SETS, KITS FOR RADIO RECEIVING SETS, ETC. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed October 1, 1936. Serial No. 383,854. PUBLISHED NOVEMBER 24, 1936. Class 21.

343,159. TREMOLITIC TALC, ESPECIALLY PREPARED FOR THE CERAMIC INDUSTRY AND TO BE USED WITH OTHER RAW MATERIALS IN THE MANUFACTURE OF CERAMIC PRODUCTS, ETC. W. H. LOOMIS TALC CORPORATION, Gouverneur, N. Y.
Filed October 2, 1936. Serial No. 383,888. PUBLISHED DECEMBER 1, 1936. Class 1.

343,160. BOOK PAPER, BOND PAPER, LEDGER PAPER, WRITING PAPER, INDEX BRISTOL, AND PAPER FOR MANIFOLDING PURPOSES. THE NOBLE PAPER COMPANY, Cleveland, Ohio.
Filed October 2, 1936. Serial No. 383,895. PUBLISHED DECEMBER 1, 1936. Class 37.

343,161. SHEETS AND PILLOW CASES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 2, 1936. Serial No. 383,900. PUBLISHED DECEMBER 1, 1936. Class 42.

343,162. CIGARS. JNO. H. SWISHER & SON, INC., Jacksonville, Fla.
Filed October 2, 1936. Serial No. 383,902. PUBLISHED NOVEMBER 24, 1936. Class 17.

343,163. NEUTRAL ACTIVATED FULLER'S EARTH FOR TREATING ANIMAL AND VEGETABLE OILS, AND PARTICULARLY REFINED ANIMAL AND VEGETABLE OILS. WALTER S. BAYLIS, Los Angeles, Calif.
Filed October 3, 1936. Serial No. 383,911. PUBLISHED NOVEMBER 24, 1936. Class 1.

343,164. WALL PAPER. BECKER, SMITH & PAGE, INCORPORATED, Philadelphia, Pa.
Filed October 3, 1936. Serial No. 383,912. PUBLISHED NOVEMBER 24, 1936. Class 37.

343,165. YEAST TABLETS. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif., and Buffalo, N. Y.
Filed October 3, 1936. Serial No. 383,935. PUBLISHED DECEMBER 1, 1936. Class 6.

343,166. INSULATED WIRES AND CABLES. THE OKONITE COMPANY, Passaic, N. J.
Filed October 3, 1936. Serial No. 383,937. PUBLISHED NOVEMBER 24, 1936. Class 21.

343,167. FRESH CITRUS FRUITS. SANTA PAULA ORANGE ASSN., Santa Paula, Calif.
Filed October 3, 1936. Serial No. 383,946. PUBLISHED DECEMBER 1, 1936. Class 46.

343,168. FRESH CITRUS FRUITS. SANTA PAULA ORANGE ASSN., Santa Paula, Calif.
Filed October 3, 1936. Serial No. 383,947. PUBLISHED DECEMBER 1, 1936. Class 46.

343,169. FRESH CITRUS FRUITS. SANTA PAULA ORANGE ASSN., Santa Paula, Calif.
Filed October 3, 1936. Serial No. 383,949. PUBLISHED DECEMBER 1, 1936. Class 46.

343,170. FRESH CITRUS FRUITS. SANTA PAULA ORANGE ASSN., Santa Paula, Calif.
Filed October 3, 1936. Serial No. 383,950. PUBLISHED DECEMBER 1, 1936. Class 46.

343,171. MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF ATHLETE'S FOOT. ELIOT SAXE, doing business as Curitoe Laboratories, New Britain, Conn.
Filed October 3, 1936. Serial No. 383,951. PUBLISHED DECEMBER 1, 1936. Class 6.

343,172. TEXTILE RUGS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 3, 1936. Serial No. 383,954. PUBLISHED DECEMBER 1, 1936. Class 42.

343,173. BEER AND ALE. STANDARD BREWING COMPANY, INC., Rochester, N. Y.
Filed October 3, 1936. Serial No. 383,960. PUBLISHED DECEMBER 1, 1936. Class 48.

343,174. PIECE GOODS OF SILK, COTTON, RAYON, AND WOOL, AND PIECE GOODS OF MIXTURES OF THESE MATERIALS. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed October 3, 1936. Serial No. 383,964. PUBLISHED DECEMBER 1, 1936. Class 42.

343,175. PIECE GOODS OF SILK, COTTON, RAYON, AND WOOL, AND PIECE GOODS OF MIXTURES OF THESE MATERIALS. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed October 3, 1936. Serial No. 383,965. PUBLISHED DECEMBER 1, 1936. Class 42.

343,176. CUSHION SHEETS USED IN THE PREPARATION OF STENCILS. A. B. DICK COMPANY, Chicago, Ill.
Filed October 5, 1936. Serial No. 383,989. PUBLISHED DECEMBER 1, 1936. Class 37.

343,177. INCENSE. EASTERN TRADING CO., Chicago, Ill.
Filed October 5, 1936. Serial No. 383,990. PUBLISHED DECEMBER 1, 1936. Class 6.

343,178. PIECE GOODS OF COTTON, LINEN, WOOLEN, SILK, RAYON, AND COMBINATIONS THEREOF. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed October 8, 1936. Serial No. 384,118. PUBLISHED DECEMBER 1, 1936. Class 42.

343,179. YARNS. FURIDA, INC., New York, N. Y.
Filed October 8, 1936. Serial No. 384,122. PUBLISHED DECEMBER 1, 1936. Class 43.

343,180. SUITCASES, LUGGAGE CARRIERS, AND WARDROBE HAND LUGGAGE. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed October 8, 1936. Serial No. 384,124. PUBLISHED DECEMBER 1, 1936. Class 3.

343,181. YARNS OF COTTON, WOOL, WORSTED, RAYON, ANGORA, CASHMERE, AND MIXTURES THEREOF. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y.
Filed October 8, 1936. Serial No. 384,134. PUBLISHED DECEMBER 1, 1936. Class 43.

343,182. YARNS OF COTTON, WOOL, WORSTED, RAYON, ANGORA, CASHMERE, AND MIXTURES THEREOF. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y.
Filed October 8, 1936. Serial No. 384,135. PUBLISHED DECEMBER 1, 1936. Class 43.

343,183. LAGER BEER. SCHEPPS BREWING CORPORATION, Dallas, Tex.
Filed October 12, 1936. Serial No. 384,269. PUBLISHED DECEMBER 1, 1936. Class 48.

343,184. POP CORN. AMERICAN POP CORN COMPANY, Sioux City, Iowa.
Filed October 15, 1936. Serial No. 384,362. PUBLISHED DECEMBER 1, 1936. Class 46.

343,185. CANNED FOOD FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. THE FOSTER CANNING CO., INC., Glendale, N. Y.
Filed October 5, 1936. Serial No. 383,997. PUBLISHED DECEMBER 1, 1936. Class 46.

343,186. POWDERED PHOSPHATE OF SODA MIXED WITH SUFFICIENT CORN STARCH TO REDUCE TO THE STRENGTH OF CREAM OF TARTAR. JOE LOWE CORPORATION, New York, N. Y.
Filed October 5, 1936. Serial No. 384,003. PUBLISHED DECEMBER 1, 1936. Class 6.

343,187. LEAD PENCILS, CRAYONS, PENCIL LEADS, LUMBER LEADS, PENCIL POINT PROTECTORS, PENCIL HOLDERS, ETC. EAGLE PENCIL COMPANY, New York, N. Y.
Filed October 6, 1936. Serial No. 384,031. PUBLISHED DECEMBER 1, 1936. Class 37.

343,188. WRITING AND TYPEWRITING PAPER. GOLDSMITH BROS., New York, N. Y.
Filed October 6, 1936. Serial No. 384,035. PUBLISHED NOVEMBER 24, 1936. Class 37.

343,189. TEXTILE FABRICS IN THE PIECE OF ALL TYPES AND STYLES, MADE OF COTTON, SILK, RAYON, ARTIFICIAL SILK, ETC. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed October 6, 1936. Serial No. 384,049. PUBLISHED DECEMBER 1, 1936. Class 42.

343,190. FABRICS IN THE PIECE OF WOOL, COTTON, SILK, RAYON, AND/OR COMBINATIONS THEREOF. FRED BUTTERFIELD & CO., INC., New York, N. Y.
Filed October 12, 1936. Serial No. 384,244. PUBLISHED DECEMBER 1, 1936. Class 42.

343,191. NONALCOHOLIC, MALTLESS, NONCEREAL BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND CONCENTRATES USED IN MAKING THE SAME. CITRUS JUICE & FLAVOR CO. LTD., Orange, Calif.
Filed October 12, 1936. Serial No. 384,246. PUBLISHED DECEMBER 1, 1936. Class 45.

343,192. WOOLEN AND WORSTED FABRICS IN THE PIECE. TERHUNE, YEARANCE & WOLFF, INC., New York, N. Y.
Filed October 6, 1936. Serial No. 384,055. PUBLISHED DECEMBER 1, 1936. Class 42.

343,193. CLEANSING TISSUES. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio.
Filed October 7, 1936. Serial No. 384,086. PUBLISHED NOVEMBER 24, 1936. Class 37.

343,194. HARDWARE AND ACCESSORIES FOR HARNESS AND SADDLERY—NAMELY, BUCKLES, SNAPS, FASTENERS, LOOPS, RINGS, CLASPS, ETC. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn.
Filed October 7, 1936. Serial No. 384,095. PUBLISHED DECEMBER 1, 1936. Class 3.

343,195. STORAGE BATTERIES. RED-BAR BATTERY COMPANY, Dayton, Ohio.
Filed October 7, 1936. Serial No. 384,098. PUBLISHED DECEMBER 1, 1936. Class 21.

343,196. PREPARATION INTENDED FOR THE TREATMENT OF HEPATO-BILIARY AND DIGESTIVE DISTURBANCES. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed October 7, 1936. Serial No. 384,100. PUBLISHED DECEMBER 1, 1936. Class 6.

343,197. BURN OINTMENT. SID MARKHAM, doing business as Markham Laboratories, Miami, Fla.
Filed October 15, 1936. Serial No. 384,384. PUBLISHED NOVEMBER 24, 1936. Class 6.

343,198. BEER, ALE, STOUT, AND PORTER. BASS, RATCLIFF & GRETTON LIMITED, Burton-on-Trent, England.
Filed October 16, 1936. Serial No. 384,403. PUBLISHED DECEMBER 1, 1936. Class 48.

343,199. CANDY. SCHUTTER-JOHNSON CANDY CORPORATION, Chicago, Ill.
Filed October 8, 1936. Serial No. 384,138. PUBLISHED DECEMBER 1, 1936. Class 46.

343,200. FUSES, FUSE BASES, AND ADAPTERS OF THE TYPE. MCGRAW ELECTRIC COMPANY, Chicago, Ill., and St. Louis, Mo.
Filed October 8, 1936. Serial No. 384,149. PUBLISHED DECEMBER 1, 1936. Class 21.

343,201. PROLAMIN MATERIAL DERIVED FROM CORN GLUTEN FOR THE MANUFACTURE OF PLASTIC MATERIALS AND ADHESIVES IN THE NATURE OF RAW OR PARTLY-PREPARED MATERIALS. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y.
Filed October 9, 1936. Serial No. 384,152. PUBLISHED NOVEMBER 24, 1936. Class 1.

343,202. ALE. THE WEHLE BREWING COMPANY, West Haven, Conn.
Filed October 9, 1936. Serial No. 384,173. PUBLISHED DECEMBER 1, 1936. Class 48.

343,203. CARBONATED, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS FOR COMPOUNDING THE SAME. SEMINOLE FLAVOR COMPANY, Chattanooga, Tenn.
Filed October 10, 1936. Serial No. 384,184. PUBLISHED DECEMBER 1, 1936. Class 45.

343,204. WOOLEN YARN AND ANIMAL FIBRE YARN. PORTER (PHILADELPHIA) INC., Philadelphia, Pa.
Filed October 10, 1936. Serial No. 384,218. PUBLISHED DECEMBER 1, 1936. Class 43.

343,205. YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed October 10, 1936. Serial No. 384,226. PUBLISHED DECEMBER 1, 1936. Class 43.

343,206. ELECTRIC FLASHERS FOR PERIODICALLY SWITCHING ON AND OFF ELECTRIC CIRCUITS. ROAN MFG. CO., Racine, Wis.
Filed April 5, 1935. Serial No. 363,478. PUBLISHED AUGUST 11, 1936. Class 21.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

343,207. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TUNGSTEN CONTACT MANUFACTURING CO., INC., North Bergen, N. J. Filed Apr. 27, 1935. Serial No. 364,311.

Tungsten

For Condensers, Distributor Caps and Rotors, Breaker Arms, Bars and Screws, Starter and Generator Brushes, Cutouts, and Switches, and Magneto Parts as Used in Automobiles and/or on Engines.
Claims use since February, 1934.

343,208. (CLASS 32. FURNITURE AND UPHOLSTERY.) BULLOCK'S, INC., Los Angeles, Calif. Filed Nov. 20, 1935. Serial No. 371,756.

BULLOCK'S
Beverly Furniture

For Furniture—Namely, Upholstered Sofas, Chairs, and Love Seats.
Claims use since June 18, 1935.

343,209. (CLASS 32. FURNITURE AND UPHOLSTERY.) BULLOCK'S, INC., Los Angeles, Calif. Filed Nov. 20, 1935. Serial No. 371,757.

BULLOCK'S
Brentwood Furniture

For Furniture—Namely, Upholstered Sofas, Chairs, and Love Seats.
Claims use since June 18, 1935.

343,210. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y. Filed Dec. 31, 1935. Serial No. 373,237.

OLD PIERSON

For Vodka.
Claims use since Dec. 21, 1935.

343,211. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y. Filed Dec. 31, 1935. Serial No. 373,240.

WHITNEY

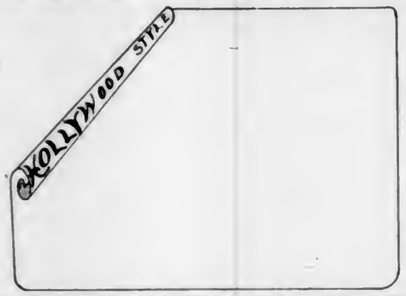
For Vodka.
Claims use since Dec. 21, 1935.

343,212. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CHARLES KING CO., Johnstown, N. Y. Filed Jan. 20, 1936. Serial No. 373,876.

THRUWITE

For Leather.
Claims use since Nov. 29, 1935.

343,213. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SCHWANDA, INC., New York, N. Y. Filed May 18, 1936. Serial No. 378,590.



For Buttons, Buckles, Clips, and Pins, All of Which are Such as are Not Made of Precious Metal.
Claims use since May 18, 1933.

343,214. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY AARON, doing business as Aaron Beauty Supply Company, Brooklyn, N. Y. Filed May 27, 1936. Serial No. 379,272.

NORA ADAMS

Cosmetiques

For Brilliantine, Petroleum Jelly Used as an Oil Treatment for the Hair, Depilatory Wax Used as a Hair Remover, Hair Bleach Peroxide, White Henna Used in Bleaching of the Hair, Egyptian Henna, Hair Tonic, Talcum Powder, Witch Hazel, Eyebrow Pencils, Astringent Lotion, Hand Lotions, Facial Creams, Soapless Shampoo Used as a Shampoo and Oil Treatment for the Hair, Finger Wave Lotion, Nail Polish, Nail Polish Remover, Mange Medicine, Castor Oil, Pine Needle Oil, Wave Oil, Mineral Oil, an Odorless Colorless Light Oil Used in Oil Treatments for the Hair, Facial Packs, Permanent Wave Lotions, Masques Used as Facial Creams, Hair Rinses, Face Powder, Lipstick, Rouge, Mascara, Perfumes, Liquid Shampoo Soaps.
Claims use since Mar. 1, 1935.

343,215. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) E. KAHN & CO., INC., Baltimore, Md. Filed June 12, 1936. Serial No. 379,619.

DAYTON CLUB

For Whiskey, Brandy, Gin, and Rum.
Claims use since Dec. 11, 1935.

343,216. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) STROMBERG ELECTRIC COMPANY, Chicago, Ill. Filed June 17, 1936. Serial No. 379,853.

STROMBERG

For Workmen's Time Recording Systems, Including Master Clocks and Secondary Clocks, Workmen's In and Out Recorders, Including Card Racks, Workmen's Job Time Recorders, Including Card Racks, Time Stamps, Process Timing Instruments, Program Instruments and Watchmen's Time Recorders and Systems.
Claims use since Aug. 23, 1928.

343,217. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ROY W. MABIE, Ridgewood, N. J. Filed July 9, 1936. Serial No. 380,839.

NU-AMERI-KAN
GIANT
BREEDERS

For Live Frogs.
Claims use since June 1, 1935.

343,218. (CLASS 39. CLOTHING.) HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed Sept. 1, 1936. Serial No. 382,793.

HICKOK
BABY
BUFFALO

For Belts and Suspenders for Personal Wear.
Claims use since March, 1921.

343,219. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORE CANDY COMPANY, Rochester, N. Y. Filed Oct. 29, 1936. Serial No. 384,930.

BETTY MORE

For Candy.
Claims use since Jan. 1, 1928.

343,220. (CLASS 39. CLOTHING.) CHAS. GLANZROCK & Co., New York, N. Y. Filed Nov. 5, 1936. Serial No. 385,324.

BELLAIRE

For Men's Clothing—Namely, Suits, Topcoats and Overcoats.
Claims use since Sept. 10, 1935.

343,221. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CASCO PRODUCTS CORPORATION, doing business as The Perfection Motor Products Company, Bridgeport, Conn. Filed Nov. 13, 1936. Serial No. 385,473.

PERFECTION

For Wind Deflectors for Motor Vehicles, Splash Guards for Motor Vehicles, Fender Guides for Motor Vehicles, Brake Lever Extensions, Steering Wheel Knobs, and Gear Shift Balls.
Claims use on wind deflectors since about May 29, 1933; on splash guards since about Apr. 7, 1932; on fender guides since about June 15, 1931; on brake lever extensions since about May 28, 1934; on steering wheel knobs since about Feb. 6, 1936; and on gear shift balls since about May 28, 1930.

343,222. (CLASS 39. CLOTHING.) FRANK & MEYER NECKWEAR COMPANY, St. Louis, Mo. Filed Nov. 16, 1936. Serial No. 385,573.

Crepe Lucerne

For Neckwear—Namely, Neckties, Scarfs, Cravats, and Mufflers.
Claims use since Feb. 22, 1934.

343,223. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Dec. 1, 1936. Serial No. 386,148.

HAGERSTOWN

For Whiskey.
Claims use since Nov. 21, 1935.

343,224. (CLASS 39. CLOTHING.) NANCY CARTER ELIASON, Washington, D. C. Filed Dec. 1, 1936. Serial No. 386,155.

Nancy Carter Shop

For Women's Dresses, Suits, and Hats.
Claims use since Feb. 20, 1929.

TRADE-MARK REGISTRATIONS RENEWED

14,048. PRESERVATIVE LIQUIDS. Registered February 8, 1887. AVENARIUS BROTHERS, Gaualgesheim, Germany. Re-renewed February 8, 1937, to R. Avenarius & Co., Stuttgart, Germany, a firm, assignee.

14,118. WHITE CASTILE-SOAP. Registered March 1, 1887. STALLMAN & FULTON, New York, N. Y. Re-renewed March 1, 1937, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine, assignee by mesne assignments.

14,364. SOAP-POWDER. Registered May 10, 1887. CURTIS DAVIS & Co. Re-renewed May 10, 1937, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine, assignee.

14,441. SOAP FOR LAUNDRY, TOILET, AND GENERAL PURPOSES. Registered May 24, 1887. LEVER BROS., Warrington, England. Re-renewed May 24, 1937, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine, assignee by mesne assignments.

113,978. FLAVORING EXTRACTS FOR FOODS. Registered November 14, 1916. THE HUDSON MANUFACTURING COMPANY, INC., Chicago, Ill., a corporation of Illinois. Renewed November 14, 1936.

114,355. SALTED NUTS. Registered December 12, 1916. FRANK M. HOYT. Renewed December 12, 1936, to F. M. Hoyt & Co. Inc., Amesbury, Mass., a corporation of Massachusetts, assignee.

114,451. VARNISH. Registered December 19, 1916. FLOOR-SHINE MANUFACTURING COMPANY. Renewed December 19, 1936, to Marie B. Scott, St. Louis, Mo., assignee by mesne assignments.

114,486. FROZEN EGG. Registered December 19, 1916. H. J. KEITH COMPANY, Boston, Mass. Renewed December 19, 1936, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

114,646. SOFT HATS. Registered December 26, 1916. E. A. MALLORY AND SONS, INCORPORATED, Danbury, Conn., and New York, N. Y. Renewed December 26, 1936, to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut, by change of name.

114,751. CHOCOLATE CANDIES. Registered January 2, 1917. GURLEY CANDY COMPANY, Minneapolis, Minn. Renewed January 2, 1937, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee by mesne assignments.

114,882. GAGES AND MICROMETERS. Registered January 9, 1917. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed January 9, 1937.

114,887. LEATHER BOOTS AND SHOES. Registered January 9, 1917. F. M. HOYT SHOE COMPANY, Manchester, N. H., a corporation of New Hampshire. Renewed January 9, 1937.

114,900. CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered January 9, 1917. MANHATTAN ELECTRICAL SUPPLY COMPANY, Jersey City, N. J., and New York, N. Y. Renewed January 9, 1937, to National Carbon Company, Inc., New York, N. Y., a corporation of New York, assignee.

115,041. CLOSURE-TOPS FOR BOTTLES, JARS, AND THE LIKE. Registered January 16, 1917. UNITED STATES METAL CAP & SEAL COMPANY. Renewed January 16, 1937, to Upressit Metal Cap Corporation, New York, N. Y., a corporation of Delaware, by change of name.

115,088. FLAVORING EXTRACTS FOR FOODS. Registered January 23, 1917. THE HUDSON MANUFACTURING COMPANY, INC., Chicago, Ill., a corporation of Illinois. Renewed January 23, 1937.

115,122. CANDY. Registered January 23, 1917. UNITED DRUG COMPANY. Renewed January 23, 1937, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

116,138. PHOTOGRAPHIC DRY PLATES, PHOTOGRAPHIC FILMS, AND PREPARED PAPER FOR PHOTOGRAPHIC PURPOSES. Registered April 10, 1917. ILFORD, LIMITED, Ilford, England, a corporation of Great Britain. Renewed April 10, 1937.

116,139. PHOTOGRAPHIC DRY PLATES, PHOTOGRAPHIC FILMS, AND PREPARED PAPER FOR PHOTOGRAPHIC PURPOSES. Registered April 10, 1917. ILFORD, LIMITED, Ilford, England, a corporation of Great Britain. Renewed April 10, 1937.

116,263. CERTAIN NAMED VEHICLES, NOT INCLUDING ENGINES. Registered April 17, 1917. WILCOX, CRITTENDEN & CO., INC., Middletown, Conn., a corporation of Connecticut. Renewed April 17, 1937.

116,264. GOLF-BALLS. Registered April 17, 1917. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed April 17, 1937.

116,601. PILLOW-TUBING, SHEETING, AND COTTON PIECE GOODS. Registered May 15, 1917. THE CONTINENTAL MILLS, Lewiston, Maine, and Boston, Mass., a corporation of Maine. Renewed May 15, 1937.

116,748. RUBBER BELTING AND RUBBER HOSE. Registered May 22, 1917. CRANDALL PACKING COMPANY, Palmyra, N. Y., and Birmingham, Ala. Renewed May 22, 1937, to Crandall Packing Company, Palmyra, N. Y., a corporation of New York.

116,858. WIRE SCREEN-CLOTH. Registered May 29, 1917. REYNOLDS WIRE CO., Dixon, Ill., a corporation of Illinois. Renewed May 29, 1937.

116,891. NEGLIGÉE, WORK, AND UNDER SHIRTS. Registered June 5, 1917. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed June 5, 1937.

116,963. CARDED AND COMBED COTTON YARNS. Registered June 5, 1917. MAYS MILLS, INC., Mayworth, N. C. Renewed June 5, 1937, to Cramerton Mills, Incorporated, Cramerton, N. C., a corporation of North Carolina, by change of name.

116,972. WATCHCASES AND WATCH-MOVEMENTS. Registered June 5, 1917. I. OLLENDORFF CO. Renewed June 5, 1937, to Ollendorff Watch Co. Inc., New York, N. Y., a corporation of New York, successor.

116,973. WATCHCASES AND WATCH-MOVEMENTS. Registered June 5, 1917. I. OLLENDORFF CO. Renewed June 5, 1937, to Ollendorff Watch Co. Inc., New York, N. Y., a corporation of New York, successor.

117,056. RICE. Registered June 12, 1917. PANAMA RICE MILLING CO. Renewed June 12, 1937, to J. Aron & COMPANY, INC., New Orleans, La., a corporation of Louisiana, assignee by mesne assignments.

117,059. COUGH-DROPS. Registered June 12, 1917. OSCAR A. RATHER. Renewed June 12, 1937, to Yahr-Lange Inc., Milwaukee, Wis., a corporation of Wisconsin, assignee.

117,065. WHEAT-FLOUR. Registered June 12, 1917. SEATTLE GRAIN CO. Renewed June 12, 1937, to Centennial Flouring Mills Co., Seattle, Wash., a corporation of Washington, assignee.

117,277. CERTAIN NAMED CHEMICALS AND PHARMACEUTICAL PREPARATIONS. Registered June 26, 1917. THE MIHALOVITCH BROTHERS COMPANY. Renewed June 26, 1937, to The Zanol Products Company, Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments.

LABELS

REGISTERED FEBRUARY 9, 1937

48,891.—*Title:* ACE RICH LATHER SHAVING CREAM. For Shaving Cream. ACE MANUFACTURING COMPANY, Chicago, Ill. Published December 1, 1936.

48,892.—*Title:* ADA MILLING CO. FLOUR (RED AND WHITE CHECKERED PATTERN). For Flour. ADA MILLING CO., Ada, Okla. Published November 16, 1936.

48,893.—*Title:* ADA MILLING CO. FLOUR (TAN, BROWN, ORANGE, GREEN AND WHITE PLAID). For Flour. ADA MILLING CO., Ada, Okla. Published November 16, 1936.

48,894.—*Title:* ADA MILLING CO. FLOUR (RED, WHITE AND BLUE BASKET WEAVE PATTERN). For Flour. ADA MILLING CO., Ada, Okla. Published November 16, 1936.

48,895.—*Title:* ADA MILLING CO. FLOUR (LAVENDER, PURPLE, YELLOW, WHITE AND GREEN PLAID). For Flour. ADA MILLING CO., Ada, Okla. Published November 16, 1936.

48,896.—*Title:* ADA MILLING CO. CORN MEAL (SMALL RED AND GREY FLOWERS ON WHITE BACKGROUND). For Corn Meal. ADA MILLING CO., Ada, Okla. Published November 16, 1936.

48,897.—*Title:* ADA MILLING CO. CORN MEAL (SMALL YELLOW AND LAVENDER FLOWERS ON WHITE BACKGROUND). For Corn Meal. ADA MILLING CO., Ada, Okla. Published November 16, 1936.

48,898.—*Title:* ADA MILLING CO. CORN MEAL (MAROON, BLUE AND YELLOW PLAID ON WHITE BACKGROUND). For Corn Meal. ADA MILLING CO., Ada, Okla. Published November 16, 1936.

48,899.—*Title:* SHUR-SHOT. For an Insecticide. ARROW CHEMICAL CO., Elizabeth, N. J. Published November 17, 1936.

48,900.—*Title:* DWIN HOUSEHOLD INSECT KILLER. For a Liquid Preparation for Killing Insects. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published November 23, 1936.

48,901.—*Title:* 3 MEN ON A HORSE—A SPARKLING GAME OF CHANCE FOR EVERYBODY. For a Game. MILTON BRADLEY COMPANY, Springfield, Mass. Published November 3, 1936.

48,902.—*Title:* THE LONG GREEN—A BIG MONEY GAME OF CHANCE. For a Game. MILTON BRADLEY COMPANY, Springfield, Mass. Published November 3, 1936.

48,903.—*Title:* MAMOU MENTHOLATUM COUGH SYRUP. For Cough Syrup. CLOVISE BROUSSARD, Abbeville, La. Published October 17, 1936.

48,904.—*Title:* SIGARI REX. For Cigars. RALPH CAIAZZO, doing business as Caiazzo Cigar Co., New York, N. Y. Published November 30, 1936.

48,905.—*Title:* STYLO. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 30, 1936.

48,906.—*Title:* THE CARDINAL SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 21, 1936.

48,907.—*Title:* FUT-FITTER HEALTH SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 2, 1936.

48,908.—*Title:* SPORT-CRAFT-SHOES SUPREME. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 30, 1936.

48,909.—*Title:* HINE & LYNCH FINE SHOES FOR MEN. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 16, 1936.

48,910.—*Title:* THE RHINO SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 30, 1936.

48,911.—*Title:* MASTER MADE SPRING ARCH. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published September 25, 1936.

48,912.—*Title:* PIONEER HEAVY DUTY SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 10, 1936.

48,913.—*Title:* SUN-EZ SANDALS. For Sandals. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 30, 1936.

48,914.—*Title:* OVERGLOBE SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 14, 1936.

48,915.—*Title:* HUNNY GIRL. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 1, 1936.

48,916.—*Title:* GLENMORE SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 20, 1936.

48,917.—*Title:* THE TOURIST SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 9, 1936.

48,918.—*Title:* SOCIETY DEBS. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 1, 1936.

48,919.—*Title:* SCHNITZ SMART SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 5, 1936.

48,920.—*Title:* REST-O SLIPPERS. For Slippers. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 27, 1936.

48,921.—*Title:* MANHATTAN — GOODYEAR WELT SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 4, 1936.

48,922.—*Title:* GROUND-GAINER SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 27, 1936.

48,923.—*Title:* VIRGINIA STERLING. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 12, 1936.

48,924.—*Title:* ALL-SPORTS SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 28, 1936.

48,925.—*Title:* OLD GERMAN. For Wurzburger Type Beer. DU BOIS BREWING CO., Du Bois, Pa. Published December 11, 1936.

48,926.—*Title:* FAYGO. For Root Beer. FEIGENSON BROTHERS COMPANY, Detroit, Mich. Published November 14, 1936.

48,927.—*Title:* WALDORF LAGER BEER. For Lager Beer. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published December 1, 1936.

48,928.—*Title:* WALDORF PILSNER. For Pilsner Beer. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published November 30, 1936.

48,929.—*Title:* WALDORF HALF & HALF. For Half-and-Half. FOREST CITY BREWERY, INC., Cleveland, Ohio. Published November 24, 1936.

48,930.—*Title:* OLD FAITHFUL PALE BEER. For Beer. GALLATIN BREWING CO., Bozeman, Mont. Published December 19, 1936.

48,931.—*Title:* GLOVER'S IMPERIAL DOUBLE ACTION CAPSULES. For Capsules for Round Worms and Hook Worms in Puppies, Dogs, Cats, and Foxes. H. CLAY GLOVER CO., INC., New York, N. Y. Published December 1, 1936.

48,932.—*Title:* GREEN GYPSY. For Bird Seed. GREEN GYPSY PRODUCTS, Minneapolis, Minn. Published November 23, 1936.

48,933.—*Title:* BETTY BOB. For Bob Pins. HAIR NET PACKERS, INC., New York, N. Y. Published October 1, 1936.

48,934.—*Title:* JAX—FOR FRIENDLY STIMULATION. For Beer. JACKSON BREWING CO., New Orleans, La. Published November 21, 1936.

48,935.—*Title:* L. B. HAIR-IN-PLACE. For Hair Dressing. L. B. LABORATORIES, INC., Los Angeles, Calif. Published October 20, 1936.

48,936.—*Title:* WHITEETH. For Tooth Paste. DR. N. LE VINE, Chicago, Ill. Published December 8, 1936.

48,937.—*Title:* WHITEETH. For Chewing Gum. DR. N. LE VINE, Chicago, Ill. Published December 8, 1936.

48,938.—*Title:* YOUNG'S MASTERPIECE. For Straight Rye Whiskey. MARGULIS & COMPANY, Philadelphia, Pa. Published December 1, 1936.

48,939.—*Title:* MARKWELL RF STAPLES. For Staples. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published December 2, 1936.

48,940.—*Title:* STAR DUST. For Scotch Snuff. W. S. MATHEWS & SONS, INC., Paducah, Ky. Published December 10, 1936.

48,941.—*Title:* SUNSIP. For Blended Orange and Grapefruit Juice. GREGG MAXCY, INC., Sebring, Fla. Published October 1, 1936.

48,942.—*Title:* BANQUET (McCORMICK'S) NO. 25 ORANGE PEKOE TEA BAGS. For Individual Tea Bags. McCORMICK & Co., INC., Baltimore, Md. Published May 8, 1936.

48,943.—*Title:* MECHLING'S SULROTE. For an Insecticide and Fungicide. MECHLING BROTHERS CHEMICAL COMPANY, Camden, N. J. Published November 6, 1935.

48,944.—*Title:* FORT BRAND. For Containers for Cottage Cheese. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published September 5, 1936.

48,945.—*Title:* MOSBY'S. For Laxative and Acid Indigestion Tablets. MOSBY MEDICINE CO., INC., Cincinnati, Ohio. Published March 30, 1936.

48,946.—*Title:* NATIONAL PREMIUM PALE DRY BEER. For Beer. THE NATIONAL BREWING COMPANY, Baltimore, Md. Published September 1, 1936.

48,947.—*Title:* MARY JANE. For Underwear. OBERLY & NEWELL LITHOGRAPH CORP., New York, N. Y. Published December 2, 1936.

48,948.—*Title:* FLOWERS. For Bread. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published November 19, 1936.

48,949.—*Title:* PURO PERFUMED BATH CRYSTALS AND WATER SOFTENER. For Bath Crystals. THE PURO CO., INC., St. Louis, Mo. Published October 21, 1936.

48,950.—*Title:* RENAULT FRENCH 75. For Fortified Sparkling Wine. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J. Published December 2, 1936.

48,951.—*Title:* DOOR-EASE STAINLESS STICK LUBRICANT. For Stick Lubricants. FLORENCE ROSEN, doing business as American Grease Stick Co., Muskegon Heights, Mich. Published September 29, 1936.

48,952.—*Title:* —SMILES—THE "HAPPY" BRUSHLESS SHAVING CREAM. For Brushless Shaving Cream. S & S LABORATORIES, St. Louis, Mo. Published October 15, 1936.

48,953.—*Title:* STANDARD FLEECE TWINE. For Fleece Twine. W. E. SACKNER, Grand Rapids, Mich. Published December 1, 1936.

48,954.—*Title:* SANDACRES SELECTED EGGS. For Selected Eggs. JAMES E. TAYLOR, Oakley, Calif. Published August 18, 1936.

48,955.—*Title:* TACO SELF-SELECTING ANTENNA SYSTEM. For Antenna Systems. TECHNICAL APPLIANCE CORPORATION, New York, N. Y. Published May 28, 1936.

48,956.—*Title:* HEAL A CHAP. For a Healing Lotion. E. A. VAUGHAN CO., INCORPORATED, St. Paul, Minn. Published October 17, 1936.

48,957.—*Title:* MY DOG. For Dog Food. VIMPEP FOODS, INC., Cambridge, Md. Published December 31, 1936.

48,958.—*Title:* VITAMITE. For a Preparation for Making a Chocolate Flavored Food Beverage. THE VITAMITE CO., Brooklyn, N. Y. Published October 1, 1936.

48,959.—*Title:* MULSITE CLEANER. For Cleaning Compound. WARD CHEMICAL & MFG. COMPANY, INC., New York, N. Y. Published November 14, 1936.

48,960.—*Title:* THE HOUSE OF WESTMORE. For Make-up Remover. THE HOUSE OF WESTMORE, Los Angeles, Calif. Published December 1, 1936.

48,961.—*Title:* RAINBO IS GOOD BREAD. For Bread. P. D. ARCHER, Kansas City, Mo. Published November 4, 1936.

PRINTS

REGISTERED FEBRUARY 9, 1937

16,068.—*Title:* HUSBANDS SHOUT FOR JOY AS OLD-TIME HOT BISCUITS COME BACK! For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published January 8, 1937.

16,069.—*Title:* GERM-PROOF FILM PAINTS AND ENAMELS. For Germ-Proof Film Paints and Enamels. GERM-PROOF FILM PAINT CO. (DIVISION OF CAMEL LEAD, COLOR & CHEMICAL PRODUCTS MFG. CORP.), Brooklyn, N. Y. Published June 15, 1936.

16,070.—*Title:* ZEPHYR MOUTH WASH. For a Mouth Wash. EUGENE JACKSON, Thonotosassa, Fla. Published January 12, 1937.

16,071.—*Title:* KURFEES COLOR SELECTOR. For Paint. J. F. KURFEES PAINT CO., INCORPORATED, Louisville, Ky. Published November 20, 1936.

16,072.—*Title:* "ASK YOUR NEIGHBOR"—(GREEN BACKGROUND). For Reading Anthracite. THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa. Published November 23, 1936.

16,073.—*Title:* "ASK YOUR NEIGHBOR"—(YELLOW BACKGROUND). For Reading Anthracite. THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa. Published October 4, 1936.

16,074.—*Title:* PLANTERS PEANUT JUMBO BLOCK. For Candy. PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa., and Suffolk, Va. Published October 24, 1936.

16,075.—*Title:* LITTLE JOURNEYS TO MANY LANDS—A LITTLE JOURNEY. For Albums. STEREO-ALBUM COMPANY, Chambersburg, Pa. Published October 1, 1936.

REISSUES

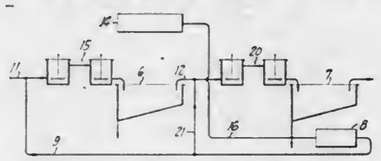
FEBRUARY 9, 1937

20,261
WATER PURIFICATION PROCESS

Ralph A. Stevenson, San Marino, Calif., assignor to Great Western Electro-Chemical Co., San Francisco, Calif., a corporation of California

Original No. 1,946,818, dated February 13, 1934, Serial No. 552,290, July 21, 1931. Application for reissue July 30, 1935, Serial No. 33,867

15 Claims. (Cl. 210—28)



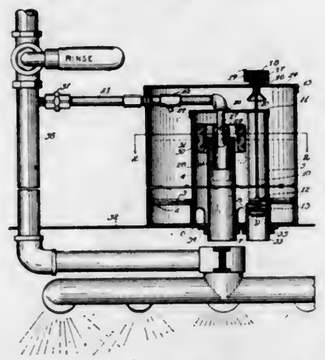
2. The process of water purification which includes the successive steps of chlorination of a settled sludge and the application of such chlorinated sludge to the precipitation of undesirable suspended matter in water followed by removal of the sludge thus precipitated from the water and re-chlorination of the removed sludge for re-application to the precipitation of undesirable suspended matter in water.

20,262
SUPPLY MECHANISM

Thomas D. Lane, St. Paul, Minn., assignor to Economics Laboratory, Inc., St. Paul, Minn., a corporation of Delaware

Original No. 1,940,217, dated December 19, 1933, Serial No. 573,713, November 7, 1931. Application for reissue June 9, 1934, Serial No. 729,759½

10 Claims. (Cl. 141—9)



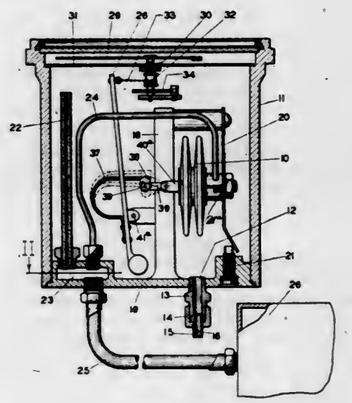
9. In combination with the rinse line of a dishwashing machine, said machine including a receptacle for holding articles to be washed; a solution tank for holding a quantity of soluble cleaning material, a rinse control valve for said rinse line, a separate pipe branching from said rinse line on the discharge side of said valve and leading to said solution tank, said pipe being adapted to discharge a portion of the water passing through said rinse line onto said soluble cleaning material in said tank at each operation of said rinse line, means on said pipe for controlling the amount of water discharged therefrom onto said soluble cleaning material at each operation of said rinse line, and a conduit separate from said rinse line and connecting said tank to said receptacle.

20,263
RATE OF CLIMB INSTRUMENT

Adolf Urfer, New Rochelle, N. Y., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y., a corporation of New York

Original No. 2,031,803, dated February 25, 1936, Serial No. 442,720, April 9, 1930. Application for reissue September 24, 1936, Serial No. 102,437

18 Claims. (Cl. 264—1)



18. In combination, an expansible diaphragm having a yielding wall subject to atmospheric pressure on one side thereof, means providing a restricted passage for retarding the rate at which pressure on the other side of said yielding wall tends to become equal to a changing atmospheric pressure due to changes in altitude, indicating means actuated by said yielding wall in accordance with the rate of change of altitude, automatically actuated valve means for controlling said restricted passage, and means responsive to changes in temperature for automatically actuating said valve means to produce a compensating effect on said indicating means.

PLANT PATENTS

GRANTED FEBRUARY 9, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

233

PEACH

Carl Howard Fisher, Queenston, Ontario, Canada

Application October 1, 1936, Serial No. 103,605

1 Claim. (Cl. 47—62)

The new and distinct variety of freestone peach tree and fruit as herein shown and described, characterized particularly by the early maturity of highly colored fruit; the very juicy but firm nature of the fruits; the absence of red coloring around the pits; and the habit of the fruits of hanging on the tree until very ripe.

234

AVOCADO

Charles C. Henry, Escondido, Calif., assignor of one-half to Jesse L. Jones, Escondido, Calif.

Application November 26, 1935, Serial No. 51,606

1 Claim. (Cl. 47—62)

The avocado variety herein disclosed, characterized by fruit which when ripe has exterior shape broadly obovate, surface smooth and glossy, color of deep maroon purple with bronze speckles, interior color yellow with definite green strip near the surface, flesh smooth, free from fiber and with rich nutty flavor, with high oil content, seed relatively small and loose when matured.

PATENTS

GRANTED FEBRUARY 9, 1937

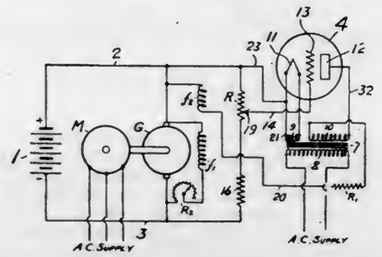
2,069,737

MEANS FOR CONTROLLING THE CHARGING VOLTAGE OF STORAGE BATTERIES

Frank G. Beetem, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application June 25, 1936, Serial No. 87,136

4 Claims. (Cl. 171—314)



3. In a storage battery charging system means, including a source of alternating current, for maintaining a substantially constant voltage across the battery terminals substantially independent of the A. C. voltage comprising a rectifier of the gas filled triode type connected to said A. C. circuit, means for applying the pulsating output of the plate circuit for controlling the battery voltage, and means substantially independent of the A. C. voltage and responsive to minute changes of voltage across the battery for controlling the grid bias of the rectifier to counteract such changes.

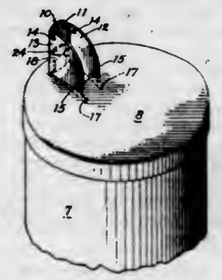
2,069,738

CONTAINER SPOUT

Joseph C. Buchen, San Leandro, Calif., assignor to Leslie Salt Company, a corporation of Delaware

Application October 4, 1935, Serial No. 43,520

6 Claims. (Cl. 221—11)



1. In a closure means for containers adapted to serve both as a pouring spout and as a closure, the combination of, a wall of said container having a perforation therein, a tongue attached to said wall, said tongue being characterized by a shape which is narrower at its base than at its end, a closure member adapted to fit in said perforation, and means for attaching said closure member to said tongue on its narrower portion.

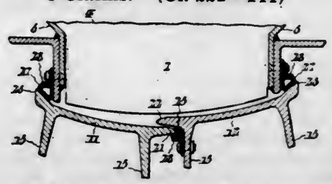
2,069,739

SHIPPING CONTAINER

Frederick K. Fildes, Altoona, and Lewis M. Showers, Jr., Juniata, Pa., assignors to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 6, 1936, Serial No. 78,078

3 Claims. (Cl. 221—144)



1. In a shipping container, a bottom discharge valve comprising a discharge opening in said container, a pair of valve members pivotally attached to said container for closing said opening, said valve members having discharge edges which overlap each other in the closed position, a flange attached to the underside of the upper of said overlapping valve members and set back from the discharge edge thereof, a gasket positioned against said flange and inset from the discharge edge of the upper of said valve members to receive the discharge edge of the lower of said valve members, whereby said gasket is protected from the flow of contents from said valve.

2,069,740

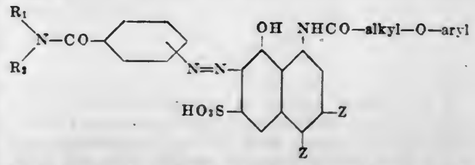
MONOAZO DYESTUFFS

Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, and Carl Theo Schultis, Bergen, near Hanau-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 5, 1936, Serial No. 77,992. In Germany May 9, 1935

4 Claims. (Cl. 260—92)

1. The monoazo dyestuffs of the general formula:



wherein R_1 and R_2 stand for a member of the group consisting of an alphatic, cycloaliphatic, phenyl, naphthyl and benzyl radical or R_1 and R_2 form with N a heterocyclic ring, one of the Z's stands for hydrogen and the other one for a sulfonic acid group, and aryl means a radicle of the group consisting of the radicals of benzene and naphthalene series, which dyestuffs yield on fibers, especially wool or silk, bright red shades of very good fastness to washing, fulling, light and perspiration.

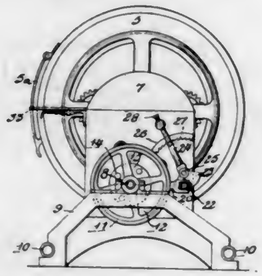
2,069,741

COMBINATION BRAKE AND CLUTCH FOR CHURNS AND THE LIKE

Albert C. Hougland, St. Paul, Minn., assignor to Crane Company of Minnesota, St. Paul, Minn., a corporation of Minnesota

Original application August 17, 1931, Serial No. 557,597. Divided and this application March 4, 1935, Serial No. 9,209

7 Claims. (Cl. 192—18)



1. In mechanism of the class described, a shaft, an annular brake member keyed to said shaft and movable longitudinally thereon, a fixed brake element mounted adjacent to said movable brake element to be engaged thereby, a brake lever, means for securing said lever in a plurality of operative positions, a second lever operatively connected to said movable brake element to move the same longitudinally of said shaft and cam means operatively connecting said second lever to said first mentioned lever.

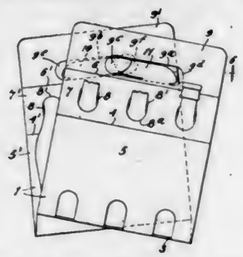
2,069,742

FASTENING MEANS FOR ABUTTING FLAPS OF FLEXIBLE CARRIERS OR CARTONS

Claude D. Keith, New York, N. Y., assignor of one-half to Charles E. Culpeper, Norwalk, Conn.

Application July 23, 1935, Serial No. 32,745

3 Claims. (Cl. 224—45)



1. A flexible carrier or carton embodying, in combination a flexible body having a pair of abutting flaps provided with a handle opening and a pair of opposing tongues formed unitarily with the flaps, mounted in said openings and mutually slidable laterally into engagement one behind the other, each comprising a tongue member having a base portion connected to the flap and being offset laterally from the base portion of the opposing tongue and provided with a rigid side-extension portion extending laterally from said base portion and separated by a kerf extending between said extension portion and the flap, said tongue members being foldable about an axis extending along said base portion to pass through the opening in the opposite flap and to extend at right angles thereto, said tongues also having leading ends, each provided with a tapered tip above the longitudinal center line of the tongue, and following ends each having a tapered tip below said longitudinal center line of the tongue.

2,069,743

AZO DYESTUFFS AND THEIR PRODUCTION

Hans Krzikalla and Paul Garbsch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 21, 1935, Serial No. 41,626. In Germany October 18, 1934

7 Claims. (Cl. 260—96)

2. Azo dyestuffs corresponding to the general formula:

$$\left[\begin{matrix} Z-N-Z \\ | \\ R \end{matrix}\right]-N=N-A$$

in which R stands for an aliphatic radical having at least one free hydroxyl group, A stands for an aromatic radical and in which Z stands for a radical of the group consisting of phenyl and such phenyl radicals which bear a substituent selected from the group consisting of alkyl, alkoxy, hydroxyalkyl, amino and alkylamino groups.

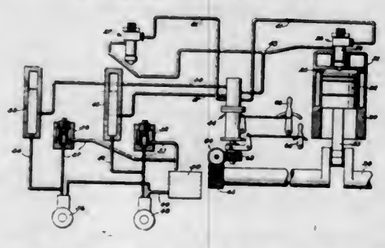
2,069,744

FLUID DISTRIBUTION SYSTEM

Carroll R. Alden, Detroit, Mich., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich., a corporation of Michigan

Application January 16, 1932, Serial No. 587,003

24 Claims. (Cl. 123—138)



1. In a fuel injection system, in combination, a plurality of injection valves, each valve having a discharge orifice, and a pressure responsive valve member with an inner pressure face acting in a direction to open said orifice and an outer pressure face acting in the opposed direction to close said orifice, a single line defining a flow passage for a fluid under pressure and being in constant communication with said inner faces, indepedent lines defining flow passages for fluid under pressure and being in communication respectively with said outer faces, and means for effecting relative pressure fluctuations in said lines to cause successive actuation of said valves.

2,069,745

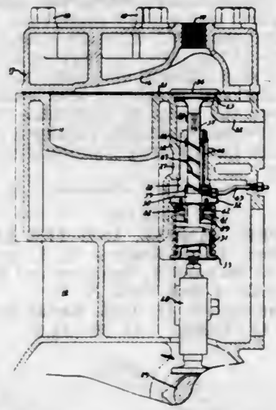
ENGINE

Philip H. Allen, San Leandro, Calif.

Application February 20, 1933, Serial No. 657,612

12 Claims. (Cl. 184—6)

2. In an internal combustion engine, a body portion, a valve guide mounted in said body portion, a valve mounted in said guide, and a lubricant pump operated by said valve for forcing



lubricant to the bearing surfaces of said valve and said guide.

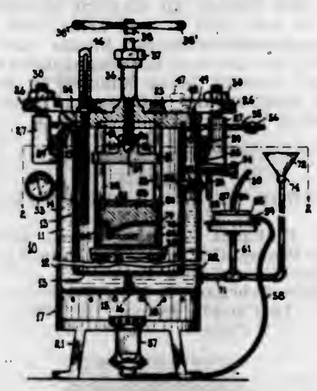
2,069,746

DEVICE FOR PROCESSING DENTURES

Clifford M. Andrews, York, Nebr.

Application March 24, 1934, Serial No. 717,176

3 Claims. (Cl. 18—7)



1. In a device for processing dentures, a boiler for water, a heater for the boiler, a drying and curing chamber in the boiler opening through the top thereof, a cover for the chamber, a valve controlled connection between the steam space in the boiler and said chamber to admit steam to the chamber, a press suspended from the cover in said chamber adapted to carry a flask and a matrix, and three coordinating registering devices; one device comprising a thermometer carried by the cover and extending down into said drying and curing chamber and into the zone of the flask for accurately indicating the temperature of the matrix, the second device comprising a pressure gauge on the boiler for indicating the pressure of the steam in the boiler for the relative indication of steam pressure to produce the desired temperature of the matrix, and the third device comprising pressure control means for the heater connected to the boiler for maintaining the necessary heat of the boiler to produce the desired boiler steam pressure and chamber temperature.

2,069,747

VENTILATED BERRY CRATE

Harry C. Atkins, Denver, Colo.

Application April 17, 1935, Serial No. 16,791

10 Claims. (Cl. 217—40)



1. A shipping and storage package for berries and the like, comprising in combination, a crate adapted to hold a plurality of rows of berry boxes, and a cover provided on its under surface with a plurality of transversely extending triangular cleats so spaced and of such thickness that the apexes of the cleats project into the spaces between adjacent boxes in each row and serve to position the boxes and hold them against movement relative to the crate.

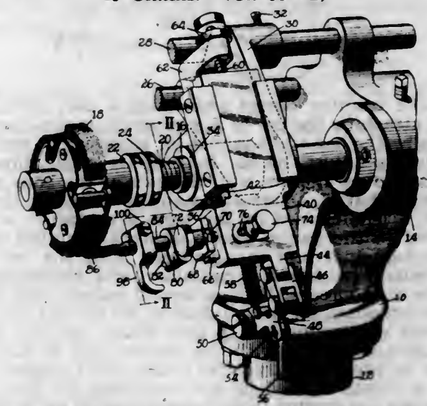
2,069,748

MACHINE FOR TREATING SHOE WELTS

Charles G. Brostrom, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 20, 1935, Serial No. 22,364

6 Claims. (Cl. 69—1)



1. In a machine for roughing the welt of a welt shoe, the combination with a rotary roughing tool of means for supporting the welt of the shoe against the thrust of said tool, means tending to move the supporting means radially of the tool toward the tool, and manually operated means for moving the supporting means away from the tool.

2,069,749

AUTOMATIC DUAL TEMPERATURE COOLING SYSTEM FOR MOTORS

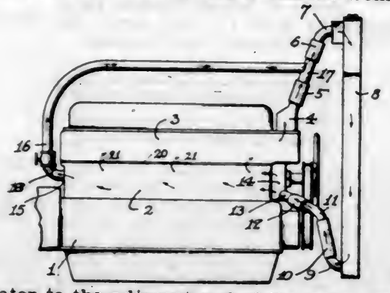
Jacob Z. Brubaker, Manheim, Pa.

Application June 12, 1934, Serial No. 730,355

1 Claim. (Cl. 123—178)

In an automatic dual temperature system for internal combustion engines, the combination of a cylinder block having a water-jacket, a cylinder-head having a water-jacket in communication with said cylinder-block water jacket, a radiator, a conduit extending from the cylinder-head water jacket to the radiator and having a thermostatic valve therein, a continuously open conduit through which water from the water jacket of the cylinder block may flow into the conduit which leads from the cylinder head to

the radiator at a point between the thermostatic valve and the radiator, and a conduit from the



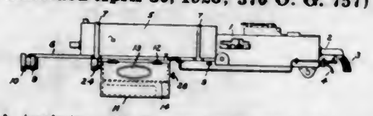
radiator to the adjacent end of the water jacket of the cylinder block.

2,069,750

APPARATUS FOR TRAINING IN GUNFIRE

Charles H. Coates, U. S. Army, Vancouver, Wash.

Application November 25, 1935, Serial No. 51,461
3 Claims. (Cl. 35—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A training device embodying a bar, means for attaching the bar to a gun barrel, means carried by the bar and adapted for engagement with a gun to adjust the bar to bring its longitudinal axis into parallelism with the axis of the bore of the gun barrel, a loop adjustably mounted on the bar, a lens carried by the loop, a container secured to the bar, a source of light mounted in the container and in alignment with the lens, a battery within the container and connected with the source of light, a second battery within the container, an electro-magnet within the container and connected to said second battery, a clapper associated with the magnet and in position to intermittently strike a side of the container, a switch carried by the container for interrupting the circuits from the batteries to the light source and the magnet and a switch attachable to the trigger for establishing circuits through the source of light and electro-magnet when the trigger is pulled.

2,069,751

EXHAUST SILENCER

Howard H. Couch, Oakwood, Dudley W. Watkins, Patterson Field, and James B. Brelsford, Dayton, Ohio

Application May 15, 1933, Serial No. 671,184
12 Claims. (Cl. 181—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



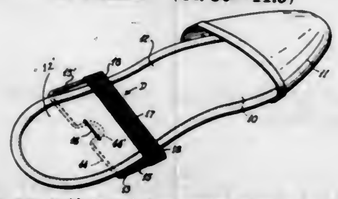
1. A device for conducting a flow of gas and limiting the transmission of wave pulsations therethrough, comprising, a conducting channel closed at one end and open at the other to receive said gas having a plurality of longitudinally disposed ports, a perforated tube of greater diameter than said channel surrounding the same to enclose said ports and spaced therefrom, said tube being rigidly connected with the channel at one end but free at the other to prevent stressing of the walls of said channel and tube under expansion and contraction thereof and radial partitions between the walls of said tubes to provide a plurality of separate axially arranged chambers, each chamber having direct communication with atmosphere.

2,069,752

SLIPPER, SANDAL, AND THE LIKE

Oscar S. Dorr, Three Bridges, N. J., assignor of one-half to Maxwell E. Sparrow and Robert M. Kristal, both of New York, N. Y.

Application August 17, 1935, Serial No. 36,613
11 Claims. (Cl. 36—11.5)



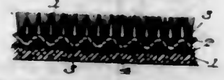
1. In an article of footwear having a bottom, a heel-engaging device comprising a pair of spaced-apart swingable arms attached to said bottom and having an element extending between the free ends of said arms, said element being engageable with the hinder part of the foot when the device is in upward operable position, said element being adapted to be swung forward substantially flat against the bottom when not in use.

2,069,753

METHOD OF PRODUCING A FLOOR COVERING

John C. Emhardt, Orange, Conn., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y., a corporation of New York

Application February 2, 1934, Serial No. 709,442
In Canada January 13, 1933
7 Claims. (Cl. 91—70)



4. A method of producing floor covering or the like which comprises, providing a fabric, providing a plastic vulcanizable aqueous mixture of concentrated rubber latex, coating the back of the fabric with said mixture, and subjecting the coated fabric to a temperature of approximately 250° F. for sufficient time to cure and dry the rubber, thereby forming a layer of cellular rubber.

2,069,754

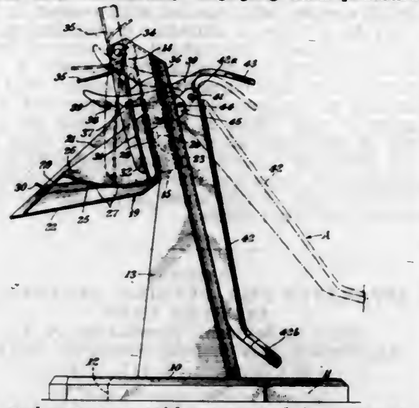
FRUIT JUICE EXTRACTING APPARATUS

Tomun Finizie, Shrub Oak, N. Y.

Application June 1, 1933, Serial No. 673,805
10 Claims. (Cl. 100—41)

6. An apparatus of the character described comprising a support, a receptacle mounted thereon, a pressure member pivotally secured at its upper end to said support and having its free portion extending into said receptacle, an operating lever pivotally secured at one end to said

support, a link pivoted to and eccentric with respect to said operating lever, means at one end of said link detachably engaging said pressure



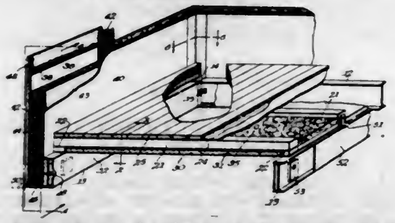
plate, and means on said pressure plate cooperating with said link whereby to move said pressure plate upwardly out of said receptacle when said link is depressed.

2,069,755

BUILDING CONSTRUCTION

Thomas J. Foster, Ridgewood, N. J.

Application October 9, 1935, Serial No. 44,264
28 Claims. (Cl. 72—1)



1. A light weight heat and sound resisting building construction comprising a steel frame and prefabricated unitary sections supported thereby, said sections having their surface layers adheringly secured to the inner body portion with a layer of insulating material intervening, said body portion including a layer of light weight heat resisting material and embedded stiffening members spanning the spaces between supporting frame members.

2,069,756

HINGING MEANS

Alfred R. Glancy and William M. Chamberlin, Plymouth, Mich.

Application September 11, 1935, Serial No. 40,028
5 Claims. (Cl. 4—236)



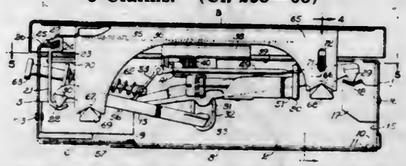
1. Hinging means for a molded article, comprising a partly cylindrical tube, having a reentrant portion, embedded in such article and having an open end accessible at a surface of said article, and a partly cylindrical pintle element rotatably interfitted with said tube.

2,069,757

WEIGHING SCALE

Marius H. Hansen, Chicago, Ill., assignor to Hanson Scale Company, Chicago, Ill., a corporation of Illinois

Application March 14, 1935, Serial No. 11,016
5 Claims. (Cl. 265—68)



1. In a weighing scale, a casing, an integral unit formed of sheet metal and comprising a vertical plate attached to the casing, and two vertical webs extending at an angle to the plate, one at each end of the plate, each web being bent at its upper portion to form a bearing and also bent to form a vertical attaching portion close to the bearing, said attaching portions being secured to the casing, each bearing being supported between one of said webs and the adjacent attaching portion.

2,069,758

FERROUS METAL AND PROCESS FOR PRODUCING SAME

Anson Hayes and Ralph O. Griffis, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

No Drawing. Application March 14, 1932, Serial No. 598,696
13 Claims. (Cl. 148—3)

12. A process of producing iron or mild steel substantially free from blue brittleness and free from the tendency to re-develop a definite yield point after the yield point has once been destroyed therein, which comprises adding to ferrous metal when in a molten state a degasifying element in a quantity slightly in excess of the amount required completely to degasify the said metal, forming an ingot therefrom, working the resultant body, thereafter heating said metal to a temperature below the A_3 point and preferably in the neighborhood of the A_1 point, and then cooling said body sufficiently slowly to establish freedom from the unstable condition in the ferrite which gives rise to overstrain aging.

2,069,759

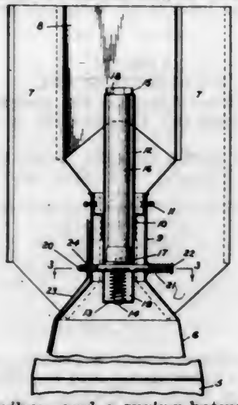
PRACTICE BOMB

Clarence F. Hofstetter, United States Army, Missoula, Mont.

Application November 21, 1934, Serial No. 754,091
2 Claims. (Cl. 102—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A practice bomb including a body having a reduced cylindrical rear portion, an adapter removably carried by the rear portion, a tube carried by the adapter and extending into the rear portion of the body, the outer end of the tube provided with tabs, a fixed striker in the inner end of the tube, a signal cartridge in the tube and carrying a signalling element adapted to be projected therefrom, said cartridge having its outer end confined by the tabs, an arming pin pass-

ing through the rear portion of the body and through the tube and holding the cartridge away



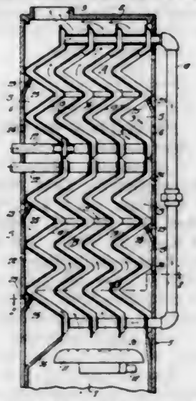
from the striker, and a spring between the arming pin and striker.

2,069,760
EMBROIDERED FABRIC
Walter Hueller, West New York, N. J.
Application August 18, 1933, Serial No. 685,673
2 Claims. (Cl. 2—278)



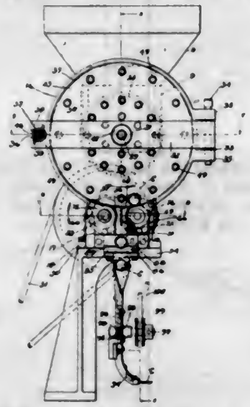
1. The process of making an ornamented cotton fabric which comprises providing a closely woven fabric, printing predetermined areas of said fabric with an acid burning printing paste to render all the warp and weft cotton threads within said area removable without affecting the untreated areas, then locking the warp and weft threads in position by an overall locking embroidery stitch, and then removing all the said printed warp and weft threads in said areas by steaming.

2,069,761
HEATER
John T. Hyde, Oak Park, Ill.
Application February 28, 1935, Serial No. 8,610
7 Claims. (Cl. 122—356)



1. In a water heater, the combination of a housing having an outlet, a burner in said housing, a plurality of series of vertically disposed zigzag fluid conduits positioned in superposed relation in said housing, said conduits of the respective series being spaced with respect to each other to provide a plurality of continuous circuitous passages throughout the vertical length of the housing for passing the products of combustion from said burner to said outlet, fluid conducting means connecting the upper end of the upper of said series of conduits with the lower end of the lower of said series, and fluid inlet and discharge pipes at the adjacent ends of said plurality of series and connected, respectively, to the lower end of said upper series and the upper end of said lower series.

2,069,762
APPARATUS FOR FEEDING RECEPTACLE CLOSURE CAPS
John A. Johnson, Woodhaven, N. Y.
Application May 9, 1934, Serial No. 724,689
10 Claims. (Cl. 113—114)



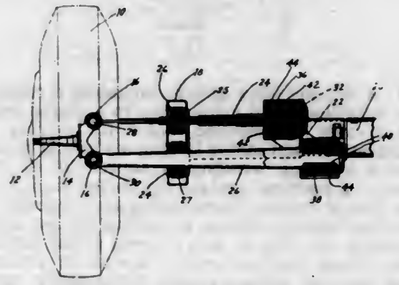
1. In closure cap feeding means, an annular member arranged with a series of angular portions of increased diameters, a casing supported by the annular member with an open end thereof in register with the portion of smallest diameter of the annular member, a drum engaging and rotatable in the two portions of smaller diameter of the annular member to receive caps from the casing, a disk rotatable with the drum in the portion of largest diameter of the annular member and mounted in spaced relation to the drum to permit passage of caps from the drum in flat position to the space between the drum and disk, and a chute leading from said portion of largest diameter of the annular member and the space between the disk and drum to receive caps positioned between the drum and disk.

2,069,763
MANUFACTURE OF PARTIALLY SOLUBLE FELTED FIBROUS ARTICLES
W. Bartlett Jones, Chicago, Ill., assignor to Cellovis, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application July 1, 1933, Serial No. 678,595
6 Claims. (Cl. 92—21)

1. The method of forming a paper product which comprises preparing for the felting operation a cellulosic paper-making stock including hydrated cellulose, mixing therewith cellulose derivative in the form of solubilized fibers of wood

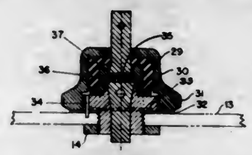
cellulose having substantially the physical form and size of wood cellulose fibers, felting the mixture to form a sheet, and drying the sheet to form a paper product wherein the residue of hydrated cellulose binds the ingredients together.

2,069,764
SPRING SUSPENSION
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application November 9, 1933, Serial No. 697,280
12 Claims. (Cl. 267—19)



1. A spring suspension for a wheel comprising an arm of resilient spring material, a seat of relatively stiff rubber material yieldingly holding the base of said arm, a Y-shaped rigid arm having spaced base parts, seats of softer rubber material holding said spaced parts, and means carried by the outer ends of said arms and rotatably supporting the wheel.

2,069,765
PRESSURE RESISTING SHAFT MOUNTING
Max Kurillo, Washington, D. C.
Application February 10, 1936, Serial No. 63,158
4 Claims. (Cl. 286—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

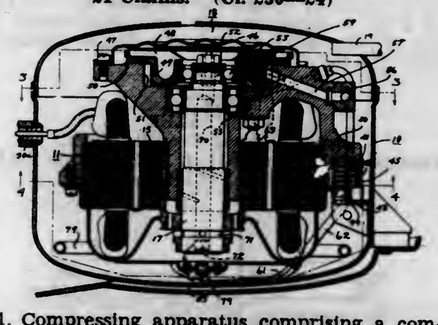


1. A pressure resisting shaft mounting comprising a base member adapted to be secured within an opening in a plate or the like and having a bore extending therethrough and a flange surrounding the outer end of said bore formed with outwardly converging internal and external surfaces; a shaft extending through said bore and having an enlargement intermediate its ends provided with inner and outer oppositely inclined circumferential surfaces, the innermost of said surfaces conforming to the inclination of the internal surface of said flange and disposed in contact therewith; a sleeve surrounding said shaft and flange and provided with an inclined internal surface conforming to and disposed in contact with the inclined external surfaces of said enlargement and said flange; and a housing surrounding said shaft and secured to said base member for clamping said sleeve against both said enlargement and said flange.

2,069,766
PAPER MANUFACTURE
Thomas R. Le Compte, Pittsburgh, Pa., assignor to John A. Manning Paper Company, Inc., Green Island, N. Y., a corporation of New York
No Drawing. Application March 7, 1934, Serial No. 714,457
19 Claims. (Cl. 92—21)

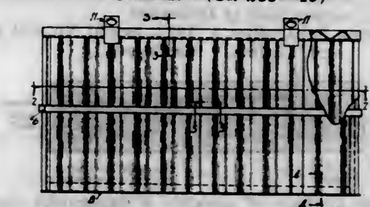
1. Method of making paper, characterized by adding to a fiber-mix before the formation of a paper web therefrom, of a water-dispersible water-imbibing polar-molecule derivative of a water-imbibing non-polar-molecule gum.

2,069,767
COMPRESSING APPARATUS
Alex A. McCormack, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application December 23, 1932, Serial No. 648,705
Renewed March 20, 1936
21 Claims. (Cl. 230—24)



1. Compressing apparatus comprising a compressor having a gas intake and a gas discharge, means for driving said compressor, an unloader for said compressor including a downwardly directed valve seat on said gas intake, a check valve having an upwardly directed surface engaging said valve seat for preventing backward flow of gas through said gas intake, a gas conduit connected to the high pressure side of said compressor and having discharge means for upwardly actuating said check valve, and means for closing said conduit during the running periods of said compressor and for opennig said conduit during the idle periods of said compressor.

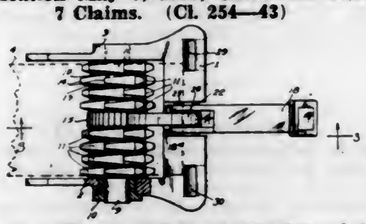
2,069,768
ANNEALING COVER
Edward N. Millan, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application January 23, 1935, Serial No. 3,063
4 Claims. (Cl. 263—49)



1. An annealing cover comprising four sides of corrugated sheet metal welded to each other at their ends, a strengthening metal band surrounding substantially the middle of said sheets on the outside and welded thereto, a top portion com-

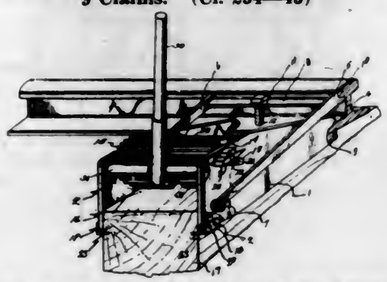
posed of corrugated sheet metal, and joining means between said top portion and said side portions, said side and top portions being welded to said joining means to form a sealed chamber.

2,069,769
RAILWAY TIE PULLER
Ernest C. Neal, Chicago, Ill.
Application May 6, 1935, Serial No. 19,966
7 Claims. (Cl. 254—43)



1. A tie puller comprising a plurality of discs, tie penetrating means for engaging the top face of a tie mounted on said discs, and means for moving said discs and tie penetrating means to move the tie.

2,069,770
TIE PULLER
Ernest C. Neal, Coquille, Oreg.
Application December 11, 1934, Serial No. 756,969
9 Claims. (Cl. 254—43)



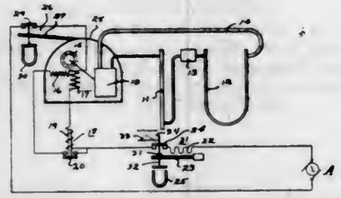
5. In a device of the class described, in combination with a railway rail and tie, comprising a frame, means for fixedly securing the frame to the rail, means for securing the frame to the tie, a pulling roller adjustably journaled within the frame, means for establishing pulling relation between the tie and the roller and means for rotating the roller.

2,069,771
MANUFACTURE OF FELTED PROOFED FIBROUS MATERIALS
Truman A. Pascoe and Roy P. Hella, Cloquet, Minn., assignors to Cellovis, Inc., Wilmington, Del., a corporation of Delaware
Application September 1, 1932, Serial No. 631,410
21 Claims. (Cl. 92—21)



1. The method of making a paper-like sheet which comprises hydrating cellulose, felting into sheet form a paper-forming stock of said hydrated cellulose and fibrous material and a finely divided cellulose derivative, and drying said sheet.

2,069,772
REFRIGERATION
George C. Pearce, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application September 29, 1932, Serial No. 635,391
21 Claims. (Cl. 62—4)



1. A refrigerating system including a compressor, condenser and evaporator in a closed refrigerant cycle, an electric motor for driving said compressor, said motor having a starting winding and a running winding, a source of electrical energy, a starting control switch for maintaining the flow of current from said source through said starting winding during a starting period and for stopping the flow of said current at the termination of said starting period, means for rendering said starting control switch temporarily inoperative after failure of said electric motor to restart after a temporary failure of said source of electrical energy, and a continuously open expansion device between said condenser and evaporator.

2,069,773
DELUSTERED CELLULOSIC PRODUCT AND METHOD OF PREPARING SAME
Ebenezer Emmet Reid, Baltimore, Md., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1934, Serial No. 744,266
12 Claims. (Cl. 106—40)

10. Artificial cellulosic films, filaments, and the like, containing an incompatible, finely divided opacifying and/or delustering agent comprising a highly insoluble and difficultly saponifiable salt of a polyvalent metal and an aromatic acid, said salt having an index of refraction differing by at least 0.1 from the index of refraction of the cellulosic medium.

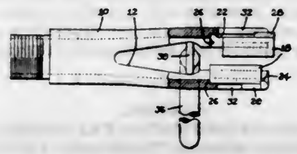
2,069,774
DELUSTERED CELLULOSIC STRUCTURE AND METHOD FOR PREPARING SAME
Ebenezer Emmet Reid, Baltimore, Md., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1934, Serial No. 744,267
11 Claims. (Cl. 106—40)

1. Artificial cellulosic filaments and pellicles containing a cellulosic base and a finely divided, incompatible delustering and/or opaquing agent comprising an organic compound embraced by the formula:

$$R-\underset{\displaystyle R_2}{\overset{\displaystyle R_2}{S}}-R_1,$$

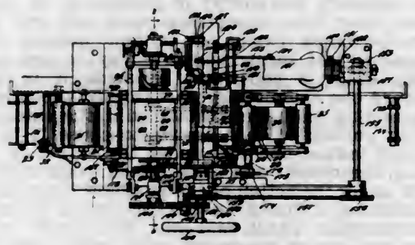
in which R or R_1 may be any organic group having a carbon atom which is directly linked to the sulfur atom, and in which R_2 represents one or two oxygen atoms.

2,069,775
FEED COLLET
Charles A. Rich, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application May 15, 1935, Serial No. 21,571
9 Claims. (Cl. 29—62)



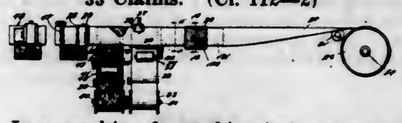
1. In a feed collet, the combination of a feed finger extending lengthwise of and arranged for feeding engagement with bar stock, said finger having transverse shoulders and resiliently expansible spring walls comprising longitudinally extending gripper surfaces, and a bar engaging pad shaped to fit snugly against the shoulders to prevent axial movement of the pad, and having engaging surfaces formed on the outer surface thereof for engagement with said gripper surfaces to lock the pad in operating position.

2,069,776
MACHINE AND PROCESS FOR MAKING HAIR WAVING PADS
Curt J. Rohland, Seekonk, Mass., assignor, by mesne assignments, to The Nestle-Lemur Company, New York, N. Y., a corporation of Ohio
Application June 29, 1933, Serial No. 678,162
14 Claims. (Cl. 112—2)



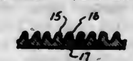
2. In a machine for making hair waving pads of the type which will assemble together a plurality of sheet materials including a sheet of an absorbent material, a sheet of a nonabsorbent material and a sheet of metal foil by sewing them together along one of their respective edges, said machine being provided with holders for continuous rolls of said absorbent sheet material, said paper sheet material and said metal foil sheet material, and runways for receiving said sheet materials when they are taken off said rollers during assembly, sewing together, separation and imprinting of said hair waving pads; the combination in said machine of means for feeding a plurality of sheets of material, means for severing portions from said sheets of material, means for positioning said severed portions so that some of said sheets partially overlap other sheets, and means for attaching the overlapping parts of said severed portions together, said attaching means including a sewing machine construction for moving said pads away from said aforementioned means while sewing said severed sheet materials together to form said hair waving pad.

2,069,777
MACHINE AND PROCESS FOR MAKING HAIR WAVING PADS
Curt J. Rohland, Seekonk, Mass., assignor to The Nestle-Le Mur Company, a corporation of Ohio
Application August 4, 1933, Serial No. 683,613
33 Claims. (Cl. 112—2)



1. In a machine for making hair waving pads of the type composed of a sheet or web of a nonpermeable wrapper material and an attached sheet or web of an absorbent material, said machine being provided with holders for continuous rollers of said wrapper and absorbent materials, and runways for receiving said sheet or web materials when they are taken off said rollers and during assembly, sewing together, separating and imprinting of said hair waving pads; the combination with said machine of means for continuously feeding a web of material through the machine, means for intermittently feeding another web of material into assembled relation therewith, and a sewing machine for attaching the sheets of material together, said sewing machine being capable of sewing said sheet materials together while said sheet materials are moving and being provided with means whereby the needle upon being inserted to form a stitch will move with the fabric and will be withdrawn after the fabric has moved a predetermined distance.

2,069,778
PLURAL PLY FABRIC
William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio
Application April 26, 1933, Serial No. 668,106
5 Claims. (Cl. 154—50)



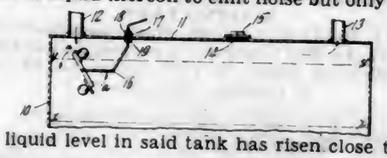
3. In combination, at least one layer of universally stretchable paper of substantial weight and strength adhesively joined to a thin, tissue-like web, said last mentioned web being disintegrable in substantially all its parts when said first mentioned layer is stretched, so as not to destroy either the local or general stretchability of said layer of universally stretchable paper.

4. In combination, two layers of stretchable paper of substantial weight and strength cemented together by means of an adhesive, and a layer of thin, tissue-like material of fibrous character located therebetween and permeated by said adhesive, said tissue-like material being disintegrable in substantially all its parts when said combination is stretched so as not to destroy either the local or the general stretchability of said layers of stretchable paper.

2,069,779
FULL-TANK WARNING DEVICE
Henry J. G. Rudolf and Mortimer Lenk, Newton, Mass.
Application March 18, 1936, Serial No. 69,430
14 Claims. (Cl. 116—112)

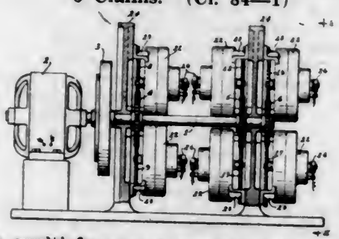
9. The combination with a substantially closed liquid-holding tank having a liquid inlet through its top, of noise-making mechanism inside of said tank near its top, said mechanism being arranged in the path of liquid streaming downwardly

through said inlet and being actuable by impingement of liquid thereon to emit noise but only until



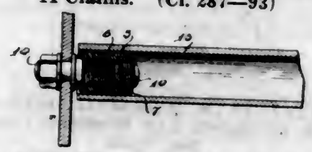
the liquid level in said tank has risen close to its top.

2,069,780
MULTIFREQUENCY GENERATOR
Victor H. Severy, Los Angeles, Calif., assignor, by mesne assignments, to Creative Industries, Inc., a corporation of Nevada
Application July 24, 1933, Serial No. 681,681
Renewed October 2, 1935
6 Claims. (Cl. 84—1)



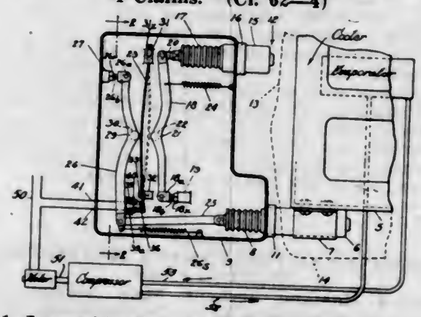
1. A multi-frequency generator for producing electric impulses corresponding in frequency to the different notes in a musical octave comprising a plurality of similar independent rotary generating units adapted to produce the same number of impulses during a revolution, a common drive shaft, gears on said shaft, and a gear on each generating unit meshing with one of said gears on said shaft, said generating units being divided into groups, the units in each group being arranged about said central shaft and their gears meshing with the same gear on said shaft, the different groups being spaced longitudinally along said shaft and the gears on units in different groups meshing with different gears on said shaft, the gears on the different units in each group having different numbers of teeth and the number being such with respect to the teeth on the associated driving gear on the main shaft that the different units are rotated at speeds the ratios between which correspond to the ratios between the frequencies of different notes in a musical octave.

2,069,781
BEARING UNIT
Newton Skillman and Robert Thuner, Detroit, Mich., assignors to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application August 29, 1932, Serial No. 630,769
11 Claims. (Cl. 287—93)



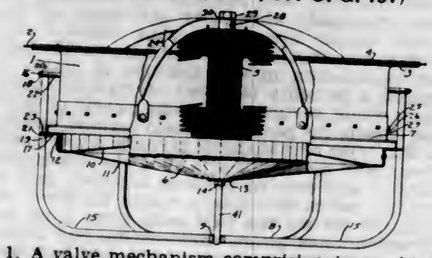
10. In a self-lubricating bearing of the type having an inner bearing of longitudinally varying contour locked in position by compressed relatively rotatable bushing material having an enclosing backing of a relatively non-rotatable bearing shell, a plurality of spaced circumferential projections and indentations on said inner bearing member for producing a combined snubbing action and permanent lubricating action, said projections and indentations increasing the friction between the inner bearing and bushing by increasing the effective surface between the inner bearing and bushing over and above that provided by the longitudinally varying contour for locking the inner bearing in position, the compression between the bushing and inner bearing member being a considerable amount over that required for permanent lubrication.

2,069,782
MEANS FOR DEFROSTING REFRIGERATORS
William Sluman, Montebello, Calif.
Application January 30, 1933, Serial No. 654,318
4 Claims. (Cl. 62—4)



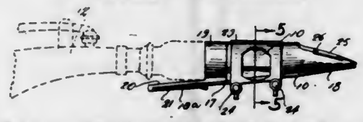
1. In combination, a refrigerating unit, a main thermostat connected with said unit in a position to be acted upon by the temperature of said unit at all times during the operation thereof, an auxiliary thermostat in position to be acted upon when frost accumulates upon said unit to a predetermined extent, a contact making and breaking leaf spring supported by its end portions under a constraint requiring it to bow toward one side or the other, means operatively connecting said thermostats with the intermediate portion of said spring to cause it to be bowed toward one side under the action of the main thermostat and to be bowed to the reverse side under the action of the auxiliary thermostat, conductors forming an electric circuit to cause refrigeration within said unit, and circuit opening and closing means for said circuit governed by the position of said leaf spring.

2,069,783
VALVE MECHANISM
Albert W. Stevens, Dayton, Ohio
Application October 3, 1934, Serial No. 746,662
6 Claims. (Cl. 137—139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



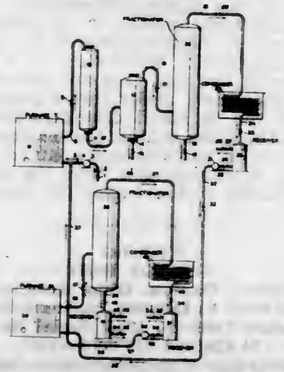
1. A valve mechanism comprising in combination with a remotely controlled fluid-pressure supply, a valve frame having a seat and stay members disposed in sets above and below the aforesaid seat, a valve disc adapted to contact said valve-seat, seating springs coupling one set of said stay members to said valve disc for normally retaining the latter in sealed contact with said valve-seat, and fluid operated means secured to one set of said stay members for inducing downward movement of said valve disc towards said lower stay members such that said valve disc is caused to separate from said valve-seat.

2,069,784
MOUTHPIECE AND DOUBLE ENDED REED FOR WIND MUSICAL INSTRUMENTS
Jacob Topor, Wheeling, W. Va.
Application April 15, 1935, Serial No. 16,490
4 Claims. (Cl. 84—383)



1. In a mouth piece and reed guard for musical wind instruments, wherein the mouth piece has a lay, wherein a double ended reed is mounted on the lay with the inactive end of the reed projecting backwardly of the mouth piece and overlying the adjacent connected end of the instrument, and wherein a ligature is provided for retaining the reed in position on the lay, a guard for the projecting end of the reed carried by the end of the mouth piece connected to the instrument and having a return bent portion confining the projecting end of the reed.

2,069,785
CONVERSION OF HYDROCARBONS
Hans Tropsch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 15, 1933, Serial No. 702,433
4 Claims. (Cl. 196—10)



1. A process for producing more valuable products from light hydrocarbon material consisting essentially of hydrocarbons of 3 and 4 carbon atoms, which comprises subjecting said material, in admixture with recycle stock formed as hereinafter set forth, to pyrolytic conversion such as to convert a portion thereof into gasoline boiling hydrocarbons, controlling the reaction conditions of temperature, pressure and time in the conversion step so that only from 20% to 50% by weight of said material undergoes alteration into hydrocarbons of less than 3 and more than 4 carbon atoms, separating from the effluent of the conversion step gaseous hydrocarbons of less than 3 carbon atoms and isolating the same from the process, further separating from said effluent the 3 and 4 carbon atom hydrocarbons, supplying these separated 3 and 4 carbon atom hydrocarbons to the conversion step as said recycle stock, and recovering the hydrocarbons of more than 4 carbon atoms from which the 3 and 4 carbon atom hydrocarbons have been separated.

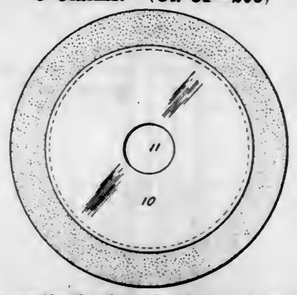
2,069,786
COATED PAPER
Peter A. van der Meulen, New Brunswick, N. J., assignor to John R. Ditmars, New Brunswick, N. J.
No Drawing. Application July 18, 1933, Serial No. 680,974
14 Claims. (Cl. 91—68)

1. A decorative coated sheet material including a base and a coating on the surface of the base in the form of a smooth, continuous, surface-hardened, flexible film having a highly polished surface and containing a film forming composition and a water-insoluble salt of a metal other than a metal of the first group of the periodic system in a fine state of dispersion throughout the composition.

2,069,787
THIN FLEXIBLE FILM COMPOSITION
Peter A. van der Meulen, New Brunswick, N. J., assignor to John R. Ditmars, New Brunswick, N. J.
No Drawing. Application July 18, 1933, Serial No. 680,975
16 Claims. (Cl. 106—38)

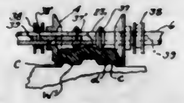
1. A composition for forming a continuous film comprising a mixture containing a film forming emulsion and a water-insoluble salt of a sulphonated vegetable oil in a fine state of dispersion throughout the emulsion.

2,069,788
ABRASIVE WHEEL
Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 7, 1935, Serial No. 35,153
6 Claims. (Cl. 51—206)



1. The method of making a composite wheel which comprises providing a thin metal disk, forming a groove in the periphery of the disk, providing an annulus of abrasive substance bonded with a suitable bond the inside diameter of which is slightly greater than the diameter of the disk less twice the depth of the groove, opening the metal on either side of the groove, placing the disk in the annulus, and rolling or swaging the metal in place.

2,069,789
SURFACE DECORATING METHOD AND APPARATUS
Guido von Webern and Edward William Hamant, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
Application August 20, 1935, Serial No. 37,018
13 Claims. (Cl. 101—36)

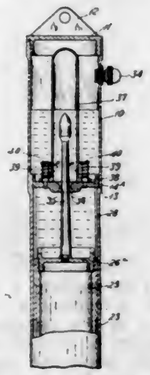


1. Surface-decorating apparatus, comprising rotary supporting members on transversely spaced axes, a flexible endless belt carried on said members and having a surface adapted to transfer a color design to a piece of work by rolling contact therewith, characterized by one of the members having means progressively buttressing the web of the belt at a region out of operative alignment with the work whereby a portion of the material is progressively urged laterally toward the work.

2,069,790
LUBRICANT
Eric Wahlforss, Cleveland, Carl L. Johnson, Bedford, and George Lacy, Cleveland, Ohio, assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 10, 1934, Serial No. 747,766
12 Claims. (Cl. 87—9)

1. A lubricant comprising a hydrocarbon lubricant material and a chloro derivative of retene.

2,069,791
SHOCK ABSORBER
John F. Wallace, Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Original application November 2, 1933, Serial No. 696,408. Divided and this application September 6, 1934, Serial No. 742,955. Renewed May 8, 1936
5 Claims. (Cl. 267—64)



1. In a shock absorbing strut, two telescoping members adapted to be interposed between the parts whose relative movements are to be cushioned, a partition fixed with respect to one of said members, said partition having an opening therethrough, an upwardly extending tube yieldably secured to said partition around said opening, said tube being closed at its upper end, said strut having liquid therein extending partway up the length of the tube, whereby pressure exerted suddenly tending to compress the strut compresses the air in the tube and lifts the latter off its seat on said partition.

2,069,792
ULLAGE ROD
Oliver Watson, Dayton, Ohio, assignor of one-half to Bert F. Downey, Springfield, Ohio
Application December 6, 1934, Serial No. 756,214
18 Claims. (Cl. 73—120)

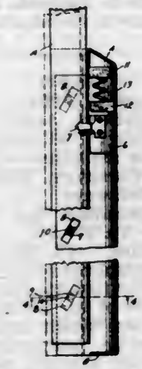


1. In a liquid gauge, a gauge rod, a float mounted for sliding movement thereon, a strip carried by the float and movable therewith in close parallel relation with the gauge rod, a clamp carried by the gauge rod and engageable with the strip to clamp the latter in its adjusted position relative to the rod, a push rod operatively connected with the clamp and mounted for longitudinal adjustment relative to the gauge rod extending beyond the lower end of the gauge rod and engageable with the bottom of a container in advance of the gauge rod and subject to longitudinal movement under thrust pressure upon the gauge rod to effect disengagement of the clamp, and a spring against the tension of which the push rod is movable and adapted to return the clamp to engagement with the strip upon release of thrust pressure upon the gauge rod.

2,069,793
ULLAGE ROD
Oliver Watson, Dayton, Ohio, assignor of one-half to Bert F. Downey, Springfield, Ohio
Application June 26, 1936, Serial No. 87,491
14 Claims. (Cl. 73—120)

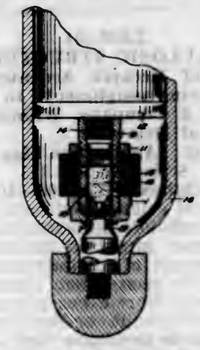
1. As an article of manufacture, a liquid gauge unit to be assembled apart from a gauge rod including a float, a channel shaped housing member within which the float is confined, an angle bar disposed with one exterior side at the open side of the channel shaped member and forming a closure therefor to confine the float therein, yielding interconnections between the angle bar and channel member permitting relative lateral movement thereof, resilient means urging the angle bar and channel member toward each other into clamping engagement with the confined float,

and a seat comprising the interior angle of said angle bar, for a gauge rod with which the float



cooperates to indicate a measured quantity of liquid.

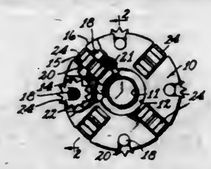
2,069,794
SHELL FOR FIREARMS
David L. Woodberry, Edgewood Arsenal, Md.
Application June 5, 1933, Serial No. 674,267
2 Claims. (Cl. 102—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A shell for muzzle loading weapons comprising a shell body having a hollow extension on the base thereof, said extension having radial apertures and an open bottom for the insertion of an ignition cartridge therethrough, a propellant charge positioned around said extension adjacent the radial apertures, a striker nut threaded to the lower end of said extension overlying and holding said cartridge within said extension and said propellant charge in position, a striker plate permanently secured to said nut and substantially closing the lower end of said extension, and a striker pin resiliently mounted on said plate and concentrically positioned with respect to said ignition cartridge whereby all parts are retained on the shell when fired and the hot gases of the ignition cartridge are prevented from passing out of the lower end of said extension.

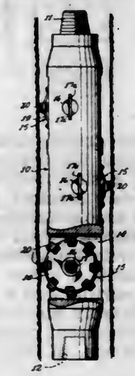
2,069,795
CUTTER ASSEMBLY FOR OIL WELL TOOLS
John A. Zublin, Los Angeles, Calif.
Application June 22, 1936, Serial No. 86,686
11 Claims. (Cl. 255—71)

1. A cutter assembly for an earth boring tool comprising a wheel-like carrier adapted to be rotatably mounted on the tool body, and a plurality of cutters rotatably mounted on the carrier, one group of cutters being mounted to rotate



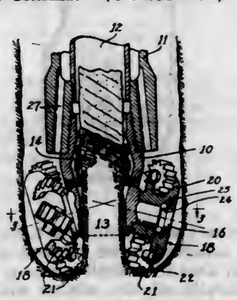
about similar axes relative to the carrier axis and another group of cutters being mounted to rotate about similar axes at a different angle to the carrier axis.

2,069,796
REAMING TOOL
John A. Zublin, Los Angeles, Calif.
Application June 22, 1936, Serial No. 86,687
11 Claims. (Cl. 255—73)



1. In a rotary well reaming tool, the combination of a body adapted to attachment to a drill stem for rotation about a longitudinal axis, a plurality of cutter carriers rotatably mounted on the body in longitudinally spaced positions, and a plurality of cutters rotatably mounted on each of the carriers.

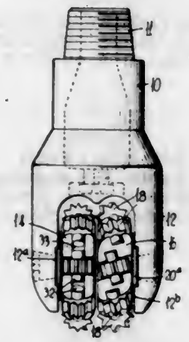
2,069,797
CORE DRILL
John A. Zublin, Los Angeles, Calif.
Application June 22, 1936, Serial No. 86,688
12 Claims. (Cl. 255—71)



1. In a core drill, the combination of a barrel adapted to receive a core, a plurality of cutter carriers rotatably mounted on the drill, and a

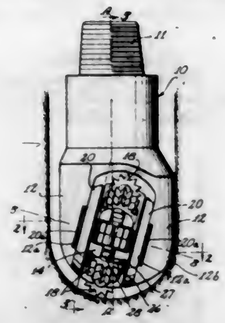
plurality of roller cutters rotatably mounted on each carrier, said carriers and cutters being adapted to remove formation in an annular path and leave a central core of proper size to enter the barrel.

2,069,798
DRILLING TOOL
John A. Zublin, Los Angeles, Calif.
Application July 22, 1936, Serial No. 91,995
7 Claims. (Cl. 255—71)



1. In a rotary well drilling tool, the combination of a shank adapted for attachment to a drill stem, and having a slot opening to one side of the shank, a bearing member supported on the shank and having a non-circular boss on one end adapted to be engaged by said shank slot to prevent rotation or vertical movement of the bearing relative to the shank, a cutter carrier rotatably mounted on the bearing, and a plurality of individual cutters rotatably mounted on the carrier for successive intermittent contact with the formation upon rotation of the carrier on said bearing.

2,069,799
DRILL BIT WITH ROLLING CUTTERS
John A. Zublin, Los Angeles, Calif.
Application September 25, 1936, Serial No. 102,589
8 Claims. (Cl. 255—71)



1. In a rotary well drilling bit, the combination of a shank adapted to be rotated about a generally vertical axis by a drill stem; a cutter carrier placed centrally of the shank with said shank axis passing through the carrier, said carrier being rotatably mounted to turn about an inclined axis; a plurality of cutters rotatably mounted on the carrier for successive intermittent contact with the formation at the bottom of the hole at one side of said shank axis upon rotation of the carrier; and means to maintain the cutting contact at said one side of the shank axis.

2,069,800
CELLULOSIC STRUCTURES
Winfield Walter Heckert, Ardentown, and Miles Augustinus Dahlen, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1933, Serial No. 673,314
32 Claims. (Cl. 106—40)

1. An artificial cellulosic structure having a low luster and/or opacity imparted thereto by the incorporation therein of an incompatible organic compound of the class which consists of ethers of aliphatic or alicyclic, polyhydric alcohols or ethers of aliphatic or alicyclic, polyhydric ether-alcohol; containing in the molecule at least three carbocyclic or heterocyclic nuclei highly deficient in hydrogen, ether resins derived from polyhydric phenols and polyhydric aliphatic or alicyclic alcohols or ether alcohols, the —S—, —Se—, —Te— and —NH— analogs of said ethers and substitution products of said ethers and analogs in which hydrogen is replaced with halogen, an alkyl group, an alkoxyl, an hydroxyalkyl group or a carbocyclic or heterocyclic nucleus highly deficient in hydrogen.

2,069,801
CELLULOSIC STRUCTURES
Winfield Walter Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1933, Serial No. 673,315
8 Claims. (Cl. 106—40)

7. An artificial cellulosic structure comprising a transparent cellulose derivative having opacity and/or low luster imparted thereto by the incorporation therein of an incompatible organic compound of the class which consists of ethers containing one or more ether groups and also at least three carbocyclic or heterocyclic nuclei highly deficient in hydrogen, the —S—, —Se—, —Te— and —NH— analogs thereof and colorless substitution products of said ethers and analogs in which the substituent group or groups replace hydrogen.

2,069,802
CELLULOSIC STRUCTURES
Winfield Walter Heckert, Ardentown, and Wesley Rasmus Peterson, Carrcroft, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 16, 1934, Serial No. 720,802
12 Claims. (Cl. 106—40)

1. An artificial cellulosic structure having a low or subdued luster imparted thereto by the incorporation therein of an incompatible aromatic heterocyclic organic compound having at least two nuclei highly deficient in hydrogen and in which a heterocyclic nucleus is of the class which consists of pyrane, the sulphur, selenium and tellurium analogues thereof, and the substantially white derivatives thereof secured when hydrogen is replaced by halogen, an alkyl group, a hydroxy alkyl group, a carbocyclic or heterocyclic nucleus.

2,069,803
CELLULOSIC STRUCTURES
Winfield Walter Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 16, 1934, Serial No. 720,803
10 Claims. (Cl. 106—40)

1. A regenerated cellulose structure containing an aromatic heterocyclic compound in which the heterocyclic nucleus is of the class which consists of furane, thiophene, thioxane, dioxane, the sulphur, selenium and tellurium analogues thereof and the substantially colorless derivatives thereof secured when hydrogen is replaced by halogen, an alkyl group, a hydroxy alkyl group, a carbocyclic or heterocyclic nucleus, the said aromatic heterocyclic compound being present in an amount to impart a low luster to the product.

2,069,804
CELLULOSIC MATERIAL AND METHOD FOR MAKING SAME
Winfield Walter Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1934, Serial No. 744,257
10 Claims. (Cl. 106—40)

1. Delustered artificial cellulosic articles containing, in a phase distinct from that of the cellulosic material therein, a finely divided organic compound having two or more nuclei highly deficient in hydrogen, said compound being an amide of an acid taken from the group consisting of carboxylic, aryl and alkyl sulfonic and sulfinic acids, the nitrogen of any amido group being completely substituted and in which no carbon atom is common to more than one amido nitrogen.

2,069,805
CELLULOSIC STRUCTURES AND METHODS FOR PRODUCING SAME
Winfield Walter Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1934, Serial No. 744,258
8 Claims. (Cl. 106—40)

1. Delustered cellulosic articles prepared from cellulosic solutions containing, in a phase distinct from that of the cellulosic material therein a finely divided, white delustering agent comprising a polycyclic tertiary amine, said amine having a refractive index which differs from the refractive index of the surrounding medium by at least 0.1.

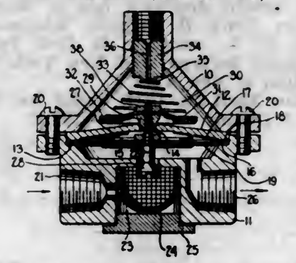
2,069,806
CELLULOSIC PRODUCTS AND METHOD FOR PREPARING SAME
Winfield Walter Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1934, Serial No. 744,260
14 Claims. (Cl. 106—40)

1. Delustered cellulosic articles prepared from cellulosic solutions containing, in a phase distinct from that of the cellulosic material therein, a white, finely divided delustering agent comprising a heterocyclic nitrogen compound having four or more cyclic nuclei highly deficient in hydrogen.

2,069,807
CELLULOSIC SUBSTANCES AND METHOD FOR PREPARING SAME
Winfield Walter Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 28, 1934, Serial No. 745,963
14 Claims. (Cl. 106—40)

1. Delustered artificial cellulosic articles containing, in a phase distinct from that of the cellulosic material therein, a finely divided white mixed heterocyclic compound highly deficient in hydrogen containing one or more cyclic nitrogen atoms and one or more cyclic atoms of the group consisting of oxygen, sulfur, selenium and tellurium.

2,069,808
GAS REGULATOR
Sven W. E. Andersson, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application June 14, 1934, Serial No. 730,585
1 Claim. (Cl. 50—23)

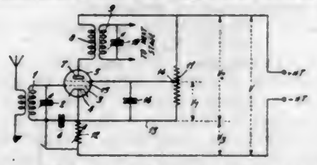


A gas pressure regulator including a valve casing having inlet and outlet ports, a throttle valve for controlling flow of gas between said ports, a flexible diaphragm subjected on one side to pressure of gas which has passed said throttle valve and connected to operate said valve, a partition in said casing having a passage therethrough and forming a chamber on the other side of said diaphragm, a second valve for controlling said passage and operatively connected to said diaphragm, a screw plug in said casing having a passage therethrough providing communication from within said casing beyond said partition to the atmosphere, whereby said other side of the diaphragm is subjected to atmospheric pressure when said second valve is open, and a spring arranged to oppose the pressure exerted on said diaphragm by the gas, the tension of said spring being adjustable by turning said screw plug.

2,069,809
AUTOMATIC VOLUME CONTROL CIRCUIT
Reginald Basil Armstrong, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 10, 1932, Serial No. 641,957
In Great Britain December 2, 1931
10 Claims. (Cl. 250—20)

1. In a radio receiver, including a radio frequency screen grid amplifier tube, an impedance in the cathode circuit of said tube, a source of potential for the electrodes of the tube, a connection from the positive terminal of the source to the tube anode, a connection from a less positive point on said source to one side of said impedance, a second impedance having one side connected to said anode and positive terminal and

its other side to the cathode side of said first impedance, a connection from the screen grid of said tube to an intermediate point on said second impedance, a direct current connection from the signal control grid of said tube to a point on said first impedance which is negative with respect to



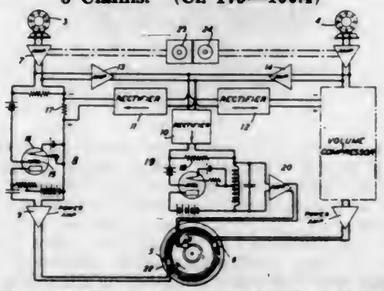
the tube cathode, and means for varying the magnitude of said first impedance in accordance with signal amplitude variations whereby the effective potentials of the signal grid, screen grid and anode of the amplifier tube are simultaneously adjusted.

2,069,810

SOUND RECORDING AND REPRODUCING SYSTEM

Harold D. Arnold, deceased, late of Maplewood, N. J.; by Leila B. Arnold, administratrix, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 26, 1934, Serial No. 722,479
8 Claims. (Cl. 179—100.4)



1. In a system for reproducing sounds with a spatial distribution corresponding to the original sounds, a plurality of spaced pick-up microphones, a plurality of loud-speaking receivers, a separate transmission channel connecting each microphone with a corresponding receiver, means actuated by current from all the microphones for reducing the range of amplitude variations in all the channels, a control channel carrying a current varying in accordance with the operation of the range reducing means and means responsive to the variation in the current for increasing the range of amplitude variations impressed on all of the receivers.

2,069,811

SKATING RINK

Alvin H. Baer and Edward B. McCabe, Carbondale, Pa., assignors, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Virginia

Application June 22, 1934, Serial No. 731,816
14 Claims. (Cl. 62—12)

1. In combination a pit adapted to be used as a swimming pool, an easily mountable and demountable frame structure supported in said pit, a pipe section horizontally supported on said frame structure below the top of said pit and easily detachable from said frame structure, means for introducing a freezing medium through said pipe section to freeze a body of water above



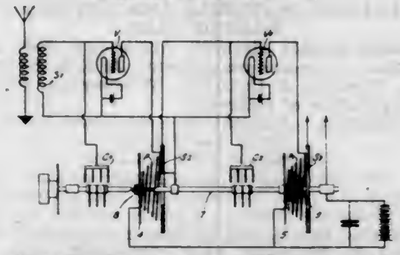
said section into a solid ice block, and means for sustaining the freezing medium at a predetermined pressure in said pipe section.

2,069,812

HIGH FREQUENCY AMPLIFIER

Edwin A. Beane, Oak Park, and Edward F. Andrews, Chicago, Ill., assignors, by direct and mesne assignments, to Radio Corporation of America, a corporation of Delaware

Original application June 17, 1924, Serial No. 720,549. Divided and this application March 1, 1932, Serial No. 596,029
2 Claims. (Cl. 179—171)



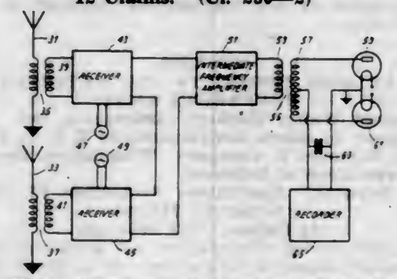
1. A radio frequency amplifier comprising a pair of cascaded multi-electrode tubes, a primary circuit, including a coil, connected between the output electrodes of the first tube, a secondary circuit, including a coil magnetically coupled to the first coil, connected between the input electrodes of the second tube, said coils being so wound that energy is not fed back from the output circuit of the first tube to its input circuit, and unitary means for simultaneously tuning said secondary circuit, adjusting the self-inductance of each coil, and varying the magnitude of said coupling.

2,069,813

FADING ELIMINATION

Harold H. Beverage and Harold O. Peterson, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Original application March 15, 1928, Serial No. 261,738. Divided and this application February 10, 1936, Serial No. 63,132
12 Claims. (Cl. 250—2)



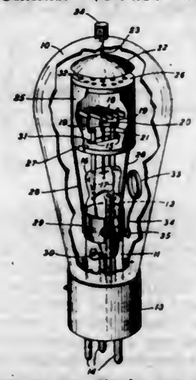
1. The method of receiving wireless signals with geographically spaced antenna systems which comprises receiving the same signal upon each of a pair of geographically separated antenna systems and producing a pair of signal effects therefrom, producing in each of said receiving systems associated with said geographically spaced antenna systems a beat note of different frequency, combining and then rectifying the separate beat notes from each of said antenna systems in a receiving circuit whereby the separate signal energies are combined independently of their relative phase relationship and the effects of fading are substantially eliminated.

2,069,814

ELECTRIC DISCHARGE DEVICE

Donald S. Bond, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 17, 1930, Serial No. 482,427
3 Claims. (Cl. 250—27.5)



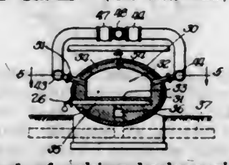
1. A mercury vapor discharge device comprising an enclosing vessel having a stem, a cathode supported from said stem and composed of a zigzag ribbon having closely adjacent folds disposed with corresponding longitudinal edges thereof in a plane, a dome shaped anode having its base substantially parallel to said corresponding edges of the folds of said cathode, a collar encircling said stem, and a control electrode supported from said collar comprising a hollow imperforate portion spaced about said cathode, and two end portions substantially parallel to said edges of the folds of said cathode, one of said portions being perforated and disposed between said anode and cathode.

2,069,815

METHOD OF COKING HYDROCARBON MATERIAL

Arthur J. Boynton, Winnetka, Ill., assignor to Brassert-Tidewater Development Corporation, Chicago, Ill., a corporation of Delaware

Application February 17, 1934, Serial No. 711,665
1 Claim. (Cl. 202—15)



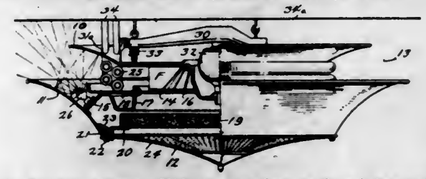
The method of coking hydrocarbon material in fluent form, which comprises progressively depositing a layer of such materials in a closed chamber, passing over and in contact with the upper surface of said layer as it is formed a highly heated non-oxidizing gaseous medium, and periodically reversing the direction of flow of said gaseous medium.

2,069,816

AIR CONDITIONER

Lachlan W. Child, South Bend, Ind., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill., a corporation of Delaware

Application July 19, 1935, Serial No. 32,256
16 Claims. (Cl. 257—244)



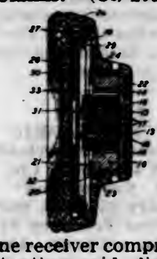
1. In an air conditioner, a fan, a heat transfer element through which air handled by said fan is passed, and a condensate collecting trough below said element, all coaxially positioned on a vertical axis above the space to be conditioned, and lighting means carried by said conditioner and arranged symmetrically to said axis.

2,069,817

ACOUSTIC DEVICE

Harry R. Clarke, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 26, 1933, Serial No. 691,015
3 Claims. (Cl. 179—114)



3. A telephone receiver comprising a diaphragm, means for actuating said diaphragm including L-shaped pole-pieces and a permanent magnet, a case for said diaphragm and means, said case having an open end provided with an internally threaded portion, and having an oppositely disposed closed end with radially extending recesses on its inner surface to receive the horizontal portions of said pole-pieces, and a recess crossing the radial recesses to receive the magnet for engagement with the pole-piece horizontal portions, and means for clamping said magnet and pole-pieces together and securing them against movement in said case, said clamping means comprising a planar member resting on the surface of the magnet opposite that engaging the pole-pieces, and having a peripheral portion externally threaded to engage said internally threaded open end of the case.

2,069,818

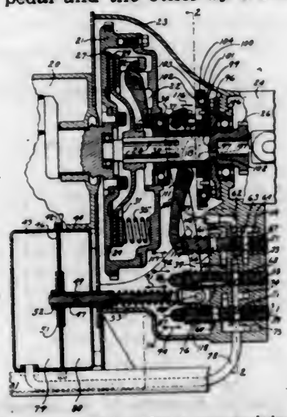
AUTOMOTIVE CLUTCH CONTROL MECHANISM

Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to estate of Vincent G. Apple, deceased, Dayton, Ohio, by Herbert F. Apple, Edward M. Apple, and Gourley Darroch, executors

Application March 17, 1933, Serial No. 661,325
26 Claims. (Cl. 192—.01)

1. Automotive vehicle control mechanism comprising, an engine, vehicle propelling means, a clutch for rotatably connecting said engine and

vehicle propelling means, a centrifugal governor rotatable by movement of said propelling means independently of engine rotation, a brake pedal for applying vehicle brakes, suction means for operating said clutch having a suction duct and a bleeder duct, and two valves, one operated by said brake pedal and the other by a connection



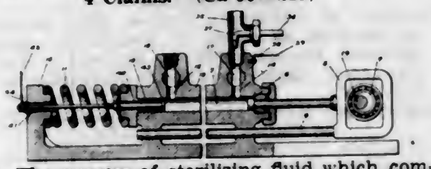
to said governor, said valves comprising means to open said suction duct and close said bleeder duct when said brake pedal is depressed while the vehicle moves slower than a determined speed and comprising means to close said suction duct and reopen said bleeder duct if the vehicle again moves faster than a determined speed while the brake pedal is still depressed.

2,069,819
STITCHED FABRIC
Hans Diem, Neuchatel, Switzerland, assignor to the firm Edouard Dubied & Cie. Société Anonyme, Neuchatel, Switzerland
Application February 23, 1935, Serial No. 7,813
In Switzerland February 27, 1934
1 Claim. (Cl. 66—190)



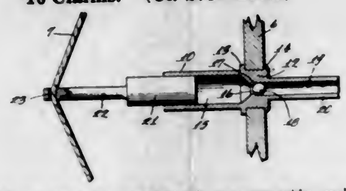
In a looped fabric similar to knitted ribbed fabrics having a succession of rows of meshes, individual rows comprising on one fabric face stitches and stitches drawn through loops of at least twice usual width alternating in patterning order and intermeshed by transference with stitches drawn through loops of smaller width from the opposite fabric face, and a weft thread enclosed by said opposite yarn formations from both fabric faces.

2,069,820
STERILIZING PROCESS
Adiel Y. Dodge, South Bend, Ind.
Application July 13, 1932, Serial No. 622,232
4 Claims. (Cl. 99—219)



4. The process of sterilizing fluid which comprises forcing a charge of fluid into a chamber, applying a compressive force to the fluid by means of a compressive member, limiting the pressure on said fluid by absorbing excess pressure in energy absorbing means, relieving the pressure on said fluid while keeping it confined whereby the energy absorbed by the fluid and energy absorbing means during compression will be returned to the compressive member, reducing the pressure on said fluid to less than atmospheric and forcing a new charge of fluid into the chamber to force out the treated charge.

2,069,821
MISSILE PROJECTING DEVICE
Harry A. Douglas, Bronson, Mich.
Application September 26, 1934, Serial No. 745,552
Renewed July 2, 1936
16 Claims. (Cl. 273—107.5)



1. A bow means operated pneumatic missile-projector, comprising: air compressor means; missile accommodating means; and bow means, including a bow and a bow string, connected to said compressor means to effect operation of said compressor means by said bow means upon return of said bow means from tensioned position; said projector having a passage forcing air compressed by said compressor means into said missile accommodating means to project a missile positioned thereon.

2,069,822
TARGET STRUCTURE
Harry A. Douglas, Bronson, Mich.
Application September 26, 1934, Serial No. 745,553
7 Claims. (Cl. 124—15)



1. In a target structure, the combination with a target piece proper; supporting means adapted to support said target piece, and comprising: a back-up plate having an angular flange along its margin, and wall sections having one set of edge portions arranged within said flange, and disposed substantially parallel therewith, and each of said edge portions having a flange extending substantially parallel with that part of said plate inwardly of its flange, and certain of the opposite edges of said wall sections having means for supporting said target piece proper; a cushioning member extending over the inner surface

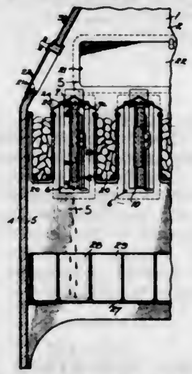
of said plate, having its margins interposed between the flanges of said wall sections and said plate; and fastening elements struck up from said plate inwardly of the flange thereof and extending through said cushioning member, through apertures in the flanges of said sections, and bent over to secure said plate, said cushioning member and said flanges together.

2. In a construction of the character described, the combination with a target; convertible apparatus for supporting the said target from beneath or from above, comprising: a stand having a broad base disposable beneath one portion of said target, and a prop disposable beneath another portion thereof, in the manner of a tripod, said prop comprising a bent member having spaced arms, detachably and reversibly connected to said target, and having a looped bight portion, and a split tubular member detachably engageable with said bight portion, and forming an extension of said prop, said stand being movable to an inoperative position, said tubular member being detachable, and said prop being reversible, so as to dispose the bight portion of said prop in position to support said target from above, when said apparatus is converted.

2,069,823
WATERPROOFING MATERIALS AND PROCESSES FOR PRODUCING THE SAME
William M. Driesen, Clifton, N. J.
No Drawing. Application March 26, 1932, Serial No. 601,452
4 Claims. (Cl. 134—26)

1. In a process for the production of a waterproofing composition of matter in solid form, the steps which consist in heating a mixture of ester gum and a water-soluble soap to a uniform mass, adding a calcium compound, heating the mixture, and allowing it to cool.

2,069,824
COOKING DEVICE
Abraham I. Engel and Samuel Greenberg, Detroit, Mich., assignors of one-half to Anastas Elioff, Detroit, Mich.
Application May 1, 1936, Serial No. 77,377
3 Claims. (Cl. 126—14)



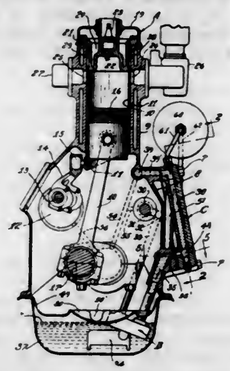
1. A cooking device comprising a casing having a plurality of horizontally spaced apertures formed through one side thereof, guides extending across said casing one opposite each aperture, a broiler slidably mounted upon each guide and depending therefrom for passage outwardly through one of the apertures, a plate on the outer extremity of each broiler closing its casing aperture, a plurality of fuel baskets mounted in the casing one between each adjacent pair of broilers and one adjacent the outer side of each of the two end broilers, said fuel baskets being in substantially horizontal alignment with said broilers, means for introducing fuel into said baskets from above, and chutes over the broilers for diverting fuel into the baskets and protecting the broilers.

2,069,825
ALTERNATING CURRENT REGULATOR
Samuel F. Farkas, Fairfield, Conn., and Linwood B. Hilton, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 19, 1936, Serial No. 64,699
7 Claims. (Cl. 171—119)



7. In combination, a monocyclic square, a constant voltage supply circuit connected to two vertices of said square, a transformer having a primary winding, a secondary winding and a core composed of an alloy of nickel and iron and operated at high flux densities, said primary winding being connected to the other two vertices of said square and said secondary winding being connected to a load circuit, and a condenser connected across said secondary winding.

2,069,826
ENGINE
Paul A. Frank, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application September 2, 1932, Serial No. 631,463
8 Claims. (Cl. 184—6)



1. A lubricating system for an engine having a crankcase, a splash pan, means including a conducting portion for circulating lubricant under pressure to engine parts to be lubricated during engine operation, a lubricant reservoir vented to the crankcase and having an inlet and outlet respectively communicating with the lubricant conducting portion and said splash pan, and valve means responsive to pressure of the lubricant in said conducting portion for controlling said reservoir inlet and outlet.

2,069,827
RECORD CLAMPING MEANS
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1936, Serial No. 60,435
7 Claims. (Cl. 274—39)

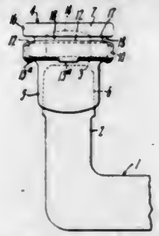


1. Means for holding a disc upon a turntable, said means comprising a ring having a flat surface normally parallel to the surface of the turntable, and a surface normally inclined to the surface of the turntable, said inclined surface being used to center the disc upon the turntable, and said flat surface being used to maintain the disc in contact with the turntable.

2,069,828
PRINTING INK
Herbert A. Hauptli, Evanston, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
No Drawing. Application February 15, 1935, Serial No. 6,642
10 Claims. (Cl. 134—17)

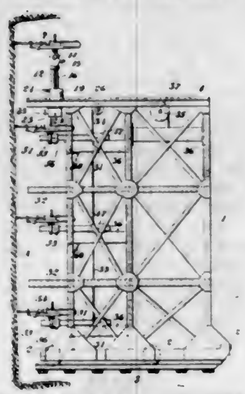
1. Ink having a basic material derived from rubber by the action therewith of an amphoteric metal halide compound, a color material having an affinity for said basic material to permit dispersion thereof in said material, and a volatile oil-free non-oxidizing vehicle.

2,069,829
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application November 28, 1934, Serial No. 755,110
2 Claims. (Cl. 197—103)



1. In combination with a typewriter-key stem, a key cup mounted directly thereon, and retaining means associated with said key cup; a finger cushioning key-head of resilient material comprising a base member adapted to fit within the confines of said key cup, an annular recess in said head above said base, forming a base shoulder and a shallow neck in the nature of a fillet, said retaining means extending into said recess in engagement with said shoulder, a shallow top portion overlying the recess in spaced relation from said base to afford a flexible border rim, the diameter of said top portion being substantially the same as that of said key cup and retaining means, to provide a vertically and diametrically compact key-head.

2,069,830
TRAVELING GANTRY
Charles A. Hirschberg, Mountain Lakes, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application March 1, 1934, Serial No. 713,447
11 Claims. (Cl. 255—51)



1. In a traveling gantry, a frame of inverted U-shape in transverse cross section, a plurality of supports carried by said frame and disposed in vertically spaced relation when in working position, means for moving said supports into collapsed non-working position, means on said frame for stopping said supports and holding them in proper position upon their movement into working position, and platforms carried by said frame and movable with said supports.

2,069,831
BRAKE
Frederick A. Hirschman and Harry J. Hirschman, Rock Hill Village, Webster Groves, Mo.
Application March 28, 1936, Serial No. 71,390
17 Claims. (Cl. 188—152)

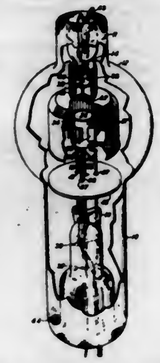


1. A brake provided with shoes, means operable to apply said shoes, anchor means having pins, said shoes being connected to said pins, oppositely movable slide members connected to said pins having oppositely disposed cam surfaces, said anchor means having oppositely disposed cam surfaces, wedge members between the cam surfaces of the anchor means and slide members, and means urging sliding movement of said wedge members in opposite directions.

2,069,832
ELECTRIC DISCHARGE DEVICE
Vivian L. Holdaway, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,686
3 Claims. (Cl. 250—27.5)

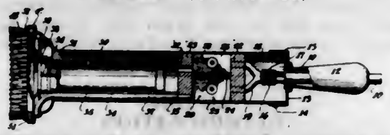
1. An electric discharge device comprising a cathode having angularly disposed vanes, a shield including a cylindrical portion encompassing

said cathode, and having lateral openings, one for each of said vanes and deflector fins adjacent



said openings and disposed in the same relation to corresponding vanes.

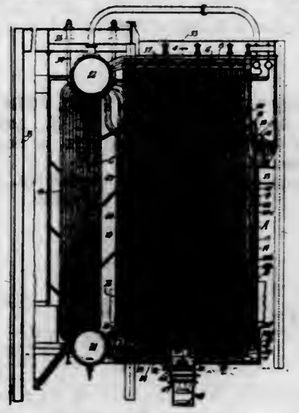
2,069,833
DISHWASHER
William C. Horner, South River, N. J., assignor, by direct and mesne assignments, of one-third to George D. Hutchinson and one-third to T. Milton Matlack, Jamesburg, N. J.
Application August 31, 1933, Serial No. 687,551
4 Claims. (Cl. 299—84)



4. A device of the character described having a removable spray head provided with a plurality of perforations, a spray ring separate from and curved around the spray head, devices forming separate passages connecting said head and said ring to a common source of water supply, the passage to the spray head being constructed to form a soap holding chamber which is rendered accessible for supplying soap by removal of the spray head, and a valve in each passage operable to open the passage to the water supply.

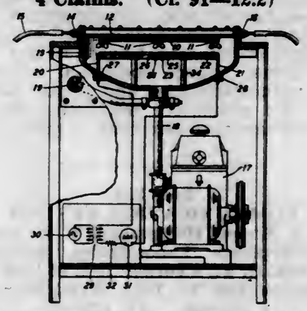
2,069,834
SLAGGING BOILER FURNACE
George P. Jackson, Flushing, and Fay Harry Rosencrants, Scarsdale, N. Y., assignors to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application March 12, 1934, Serial No. 715,096
31 Claims. (Cl. 122—235)

1. In a pulverized fuel fired boiler-furnace, the combination of a combustion chamber having side and end walls each comprising a set of upright water tubes, the tubes of one of the end walls being connected at their lower ends into a water drum and at their upper ends into a steam and water drum and the tubes of the other end wall and of the side walls being connected at their lower and upper ends into lower and upper headers respectively, a bottom for said chamber comprising water tubes connected at one end into said water drum and at the other end into the lower header of the second mentioned end wall, said bottom tubes having means associated therewith adapting the bottom to retain a body of liquid slag, means providing support for said bottom from the lower headers of the side walls, and



means for introducing pulverized fuel and air into said combustion chamber.

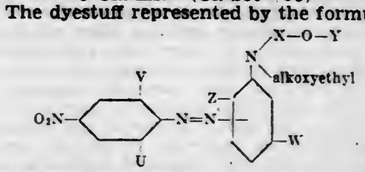
2,069,835
COATING APPARATUS
Arthur C. Keller, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1935, Serial No. 18,120
4 Claims. (Cl. 91—12.2)



4. In a device of the type described, a cathode, means to support an object to be uniformly coated with metal substantially parallel to the cathode, said cathode comprising a cylindrically surfaced metal member formed in the shape of a spiral, whereby the cathode is uniformly dispersed in all directions.

2,069,836
MONOAZO DYESTUFFS AND THEIR PRODUCTION
Arthur Howard Knight, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 30, 1935, Serial No. 19,103. In Great Britain May 3, 1934
9 Claims. (Cl. 260—96)

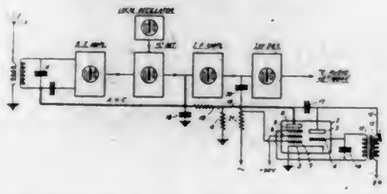
8. The dyestuff represented by the formula:



in which U is one of a group consisting of H, Cl, and NO_2, V is one of a group consisting of H and

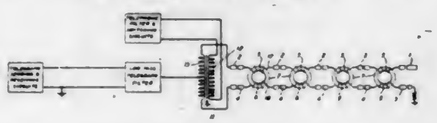
Cl, W is one of a group consisting of H and CH_3, X is one of a group consisting of ethyl and propyl, Y is one of a group consisting of H and SO_3H, and Z is one of a group consisting of H and OCH_3.

2,069,837
AUTOMATIC GAIN CONTROL CIRCUITS
Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 25, 1934, Serial No. 727,376
10 Claims. (Cl. 250—20)



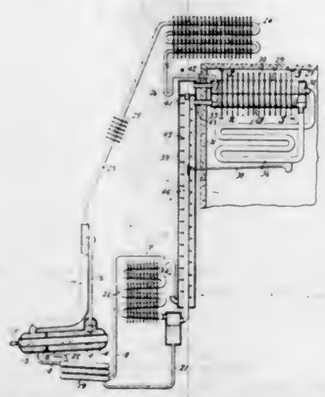
1. In combination with a high frequency signal transmission tube, an oscillator arranged to produce electrical waves, a rectifier including at least a cathode, an anode and a control electrode therebetween, means for normally biasing the control electrode in a sense to minimize the space current flow between said anode and cathode, an impedance connected between the anode and cathode, means for impressing said waves between said anode and cathode thereby to produce a direct current voltage across the impedance by rectification of said waves, means for impressing signal energy upon said control electrode to reduce said bias and permit said rectification, and means for impressing said direct current voltage upon said tube to reduce the gain thereof.

2,069,838
COMMUNICATION SYSTEM
William A. Knoop, Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 21, 1933, Serial No. 681,482
6 Claims. (Cl. 179—3)



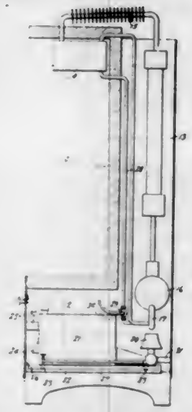
1. A communication system for simultaneously transmitting voice frequency telephone message currents and low frequency telegraph message currents comprising a main cable section, terminal cable sections connected to the ends of said main cable section, said terminal cables having a main conductor, a telephone balancing earth conductor, a telegraph balancing earth conductor, a plurality of double wound loading coils one winding of which is connected in series with said main cable conductor and the other winding of which is connected in series with said telephone balancing earth conductor, means for transmitting and receiving said telephone message currents over said main conductor and said telephone balancing earth conductor, and means for transmitting and receiving telegraph message currents between said telegraph balancing earth conductor and the midpoint of said telephone transmitting and receiving means.

2,069,839
REFRIGERATION
Alvar Lenning, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application January 16, 1934, Serial No. 706,804
In Germany January 31, 1933
12 Claims. (Cl. 62—126)



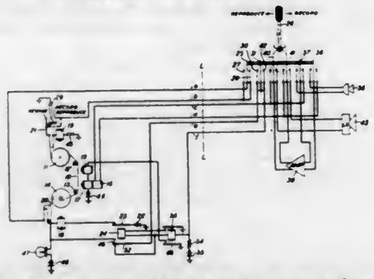
8. In a device of the character described, a plate having a groove, separate shells on opposite sides of and secured to said plate, said plate dividing the aggregate into two spaces, an evaporator section connected between said spaces, members for conducting gas to and from the device, and a member for conducting liquid refrigerant thereto.

2,069,840
REFRIGERATION
Alvar Lenning, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application November 12, 1934, Serial No. 752,616
5 Claims. (Cl. 62—120.5)



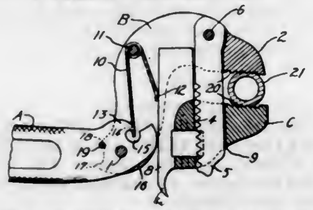
1. In an intermittent absorption refrigeration apparatus operated by heat, an evaporator, a drain conduit connected to the evaporator, a valve in said drain conduit, manually movable energy supply means, and means automatically operating to first open and then close said valve when the energy supply means is moved and restored.

2,069,841
SAFETY DEVICE FOR PHONOGRAPHS
Robert F. Massonneau, New York. N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 9, 1935, Serial No. 5,689
9 Claims. (Cl. 179—100.2)



1. In a recording phonograph, a record receiving medium, means for effacing the record in the medium, driving means for the record medium, and automatic means for rendering the driving means inoperative upon a premature operation of the effacing means to prevent the effacement of a record before said record is reproduced.

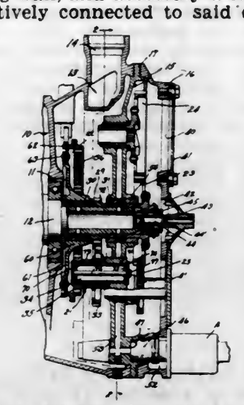
2,069,842
WRENCH
John Nielsen, Denver, Colo.
Application January 29, 1936, Serial No. 61,301
7 Claims. (Cl. 81—91)



1. A wrench comprising a head carrying a jaw in fixed relation to the head, a member pivoted in the head, a jaw slidable on said member and having a shank, means for adjusting the position of said slidable jaw longitudinally of said member, a handle pivoted in said head, a cam on said handle adapted to contact said shank and move the jaws toward each other, yieldable means for normally holding apart said shank and cam and means for limiting the movement of the handle about its pivot.

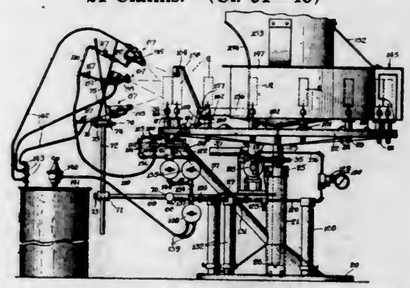
2,069,843
INTERNAL COMBUSTION ENGINE
Archie M. Niven, Detroit, Mich., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application November 7, 1929, Serial No. 405,476
Renewed June 8, 1936
2 Claims. (Cl. 123—195)

1. In an internal combustion engine, the combination of a crank case provided with an intake manifold extending about the periphery and adjacent the rear end thereof, a dividing wall for enclosing the rear end of the crank case and provided with an intermediate portion housed within said crank case substantially within the boundaries as defined by the front and rear faces of the said intake manifold, a crank shaft supported in part by said crank case and extending through said dividing wall, and accessory driving mechanism operatively connected to said crank shaft



and including driving elements located to the rear of said dividing wall.

2,069,844
PAINT APPLYING MACHINE
Jens A. Paasche, Wilmette, Ill.
Application March 18, 1931, Serial No. 523,393
21 Claims. (Cl. 91—45)



1. A paint-applying machine comprising, in combination, a moving table, a plurality of spindles journaled in spaced relation on said table, an air brush having control means for actuating said brush, a cam operably connected to said control means, cam followers carried by said spindles to engage and actuate said cam in the movement of said table, a rack mounted adjacent the path of movement of said spindles as they are carried by the table, and pinions rigid with said spindles for engaging said rack substantially at the time said cam and cam follower are engaged.

3. A paint applying machine comprising, in combination, a rotating table, a plurality of article presenting means mounted on said table for movement therewith, a plurality of air brushes positioned in spraying stations at spaced intervals about the periphery of said table to apply successive coats of paint to the articles, and drying chambers interposed between said spraying stations for drying the articles after each successive coat has been applied, said drying chambers being widely spaced at one drying station to permit loading and unloading of said article presenting means prior to entrance thereof into the range of the air brushes for applying the first coat of paint and the spacing between drying chambers at the succeeding spraying station being more limited and for spraying purposes only.

5. A paint-applying machine comprising, in combination, a movable table, an article support-

ing spindle journaled on said table with a part of said spindle extending below the table, a pinion on said spindle below the table, a stationary rack engageable by said spindle in the movement thereof to effect rotation of the spindle, and a coat applying device including an actuator therefor engageable by said spindle to operate the device substantially during the time said spindle engages said rack.

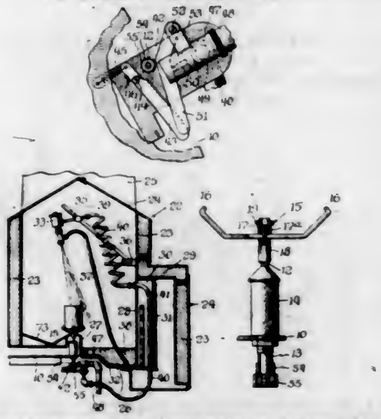
6. A paint-applying machine comprising, in combination, a moving table, a plurality of spindles journaled in spaced relation on said table, an air brush having control means for actuating said brush, a cam operably connected to said control means, and anti-friction sleeves mounted on said spindles for engagement with said cam in the passing movement of said spindles.

2,069,845

COATING MACHINE

Jens A. Paasche, Wilmette, Ill.

Application February 2, 1933, Serial No. 654,816
21 Claims. (Cl. 91—45)



2. A coating machine for applying internal and external paraffin coats to an object comprising, in combination, a revolving table having a plurality of spindles thereon, means on said spindles for supporting articles to be coated, a heated housing through which said spindles pass including a heated terminal portion near one end constituting a coating station, means located in said housing at said station for applying an internal paraffin coat to an article, a second coat applying means in said housing mounted for intermittent movement with said table and including a part extending to a point adjacent to said table for successive engagement with freely rotatable parts on said spindles to produce said intermittent movement, and means for actuating said second means substantially as long as said second means moves with said table and including a member intermittently actuated by engagement with said freely rotatable parts on said spindles.

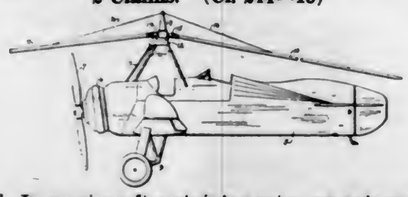
6. A device for supporting articles to be treated comprising a member arranged for connection with a conveying mechanism, and having transverse passages therein angularly disposed with respect to each other and a bore extending between said passages, article supporting arms extending through said passages, a pin in said bore, and a single element having screw threaded engagement with said member into engagement with the arms in one passage to exert through said pin a binding force on the arms in the other passage.

2,069,846

MOUNTING MECHANISM FOR ROTATIVE AIRCRAFT SUSTAINING WINGS

Joseph S. Pecker, Philadelphia, and Agnew E. Larsen, Huntingdon Valley, Pa., assignors to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware

Original application August 31, 1931, Serial No. 560,314. Divided and this application May 8, 1934, Serial No. 724,470
2 Claims. (Cl. 244—18)



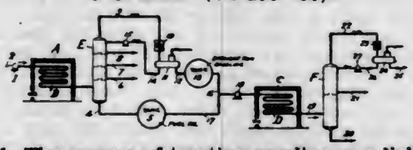
1. In an aircraft sustaining rotor, an axis mechanism, and a lubricant-containing pivot pin joining a blade of the rotor to the axis mechanism, whereby the blade may swing about the axis of the pin under the influence of irregularities in flight forces, the pin having a groove extending generally axially and diagonally of the pin and being in communication with the interior thereof, the diagonal extension being sufficient to traverse an arc approximating that defined by blade swinging movements during normal flight operation, the groove being located in the high pressure area of the pin set up as a result of the action of centrifugal force incident to rotation of the rotor, and said groove serving to deliver and distribute lubricant from the interior of the pin to said high pressure area under the influence of said centrifugal force.

2,069,847

PROCESS OF IMPROVING THE ANTIDETONATING QUALITY OF GASOLINE

Arthur E. Pew, Jr., Bryn Mawr, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application May 20, 1932, Serial No. 612,393
5 Claims. (Cl. 196—50)



1. The process of treating gasoline or a lighter fraction thereof to increase its anti-detonating qualities and facilitate subsequent removal of gum forming constituents, which comprises admixing said gasoline in liquid phase with a liquid hydrocarbon oil having an initial boiling point substantially above the end point of the gasoline constituent so as to provide a liquid mixture containing substantially no hydrocarbons boiling within said end point and said initial boiling point, then subjecting the mixture to heat sufficient to raise the anti-detonating qualities of the gasoline constituent but less than that required to substantially crack the gasoline constituent, and then fractioning the mixture to separate the desired low boiling constituent.

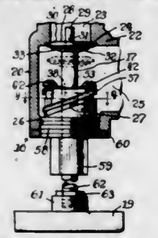
5. The process of treating a constituent of crude oil having a low boiling range to increase its anti-detonating qualities and facilitate the subsequent removal of gum forming constituents, which comprises mixing said low boiling constituent with a hydrocarbon oil having an initial boiling point substantially above the end point of the low boiling constituent so as to provide a liquid mixture containing substantially no hydrocarbons boiling within said end point and said initial boiling point, the mixing being effected while each constituent is at a temperature substantially below that to which the mixture is subjected in the next specified step, and subjecting the mixture to a temperature, substantially above 800° F., below the critical temperature of the mixture and above the critical temperature of the low boiling constituent and below the critical temperature of the high boiling hydrocarbon oil for the time required to raise the anti-detonating qualities of the low boiling constituent, without substantially cracking it, and then fractioning the mixture to separate the desired low boiling constituent.

2,069,848

VALVE MECHANISM FOR GASOLINE STOVES OR THE LIKE

George E. Pickup, Newark, Ohio, assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio, a corporation of Ohio

Application November 7, 1934, Serial No. 751,854
9 Claims. (Cl. 251—39)



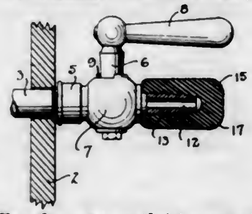
6. A valve mechanism of the character set forth comprising, in combination, a fixed support, a valve stem mounted in said support, and cam means operable in the rotation of said stem to move it axially, said cam means comprising a member rigid with said support and a member axially but non-rotatably movable on said support, a follower rigid with the stem and coacting with said members, and spring means acting on said movable member to clamp the follower yieldably between said members, said cam members providing a seat for engagement by said follower under the action of said spring means to hold said stem frictionally in a predetermined angular position.

2,069,849

SAFETY SEAL AND PROTECTOR FOR VALVES

Philip Rich, Houston, Tex.

Application March 23, 1934, Serial No. 716,984
3 Claims. (Cl. 138—89)



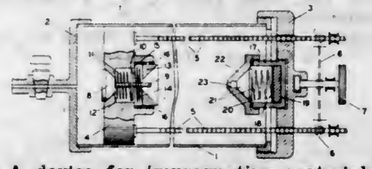
1. A buffer for gas outlets comprising a body of resilient material telescoped over the outlet to form a cushion or buffer for impacts against said outlet.

2,069,850

DEVICE FOR RADIOACTIVE IMPREGNATION OF MATERIALS

Egon Rosenberg, Berlin, and Paul Happel, Hamburg, Germany

Application April 17, 1936, Serial No. 74,890
In Germany March 21, 1935
11 Claims. (Cl. 167—51)



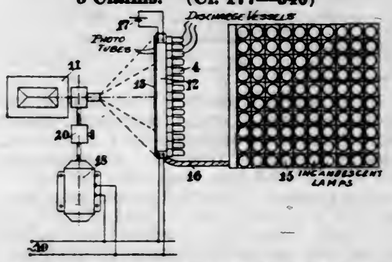
1. A device for impregnating materials with radium emanation comprising, an enclosing chamber having an inlet opening to receive the material to be impregnated, a piston movable within said chamber to create a partial suction through said opening, a container for emanation-generating material mounted within said chamber apart from the piston, an outlet opening for said container, a valve normally closing said outlet, a passage through said piston, another valve for controlling said passage, and means responsive to rearward movement of the piston to open said other valve to allow the emanation in said container to flow only through said passage and into the space in front of the piston, the last-mentioned means including coupling members to provide a gas-tight passage from the container to the piston passage.

2,069,851

INCANDESCENT LAMP CINEMATOGRAPHIC APPARATUS

Kurt Rosenberg, Berlin, Germany, assignor, by mesne assignments, to American Epok Inc., New York, N. Y., a corporation of New York

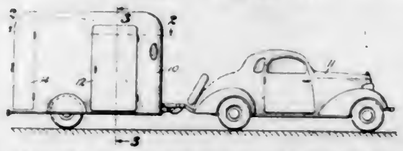
Application October 9, 1933, Serial No. 692,884
In Germany October 18, 1932
5 Claims. (Cl. 177—346)



1. A system for displaying pictures and communications by means of a lamp screen comprising lamp groups, each group consisting of at least one lamp; a source of alternating current; discharge vessels comprising at least one anode and a cathode forming a discharge gap, and a controlling electrode, said electrode blocking the start of flow of current through said gap at a certain voltage, each of said electrodes, a lamp group and said source of alternating current connected in series; light responsive devices disposed in a screen adapted to be illuminated; a source of blocking voltage, each of said devices interconnected between an electrode each and said source of blocking voltage; means having several conditions of operation for controlling the illumination of said devices; and means for shifting the last mentioned means from one condition to another one only after the start of a positive half

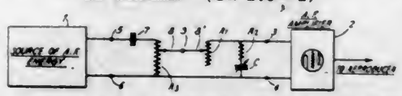
wave and prior to the termination of a successive negative half wave of said source of alternating current.

2,069,852
VEHICLE
Louis Ruthenburg, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application September 17, 1935, Serial No. 40,889
2 Claims. (Cl. 296—21)



1. A dual utility trailer for the public display of merchandise or as a private office and comprising a body, wheels supporting said trailer rearwardly of its center, said body having side and rear doors, the side doors being forward of the wheels and the rear doors forming a part of the sides of the body, a turntable mounted in said body in substantially the same longitudinal position as said wheels whereby weight on the turntable will be borne directly by said wheels, the construction and arrangement of parts providing private space for persons adjacent the turntable in the front of the body and affording clear vision into the body through the side and rear doors for public display.

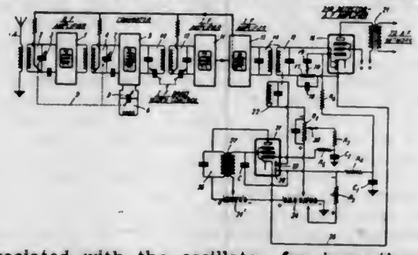
2,069,853
TONE COMPENSATED VOLUME CONTROL CIRCUIT
Otto H. Schade, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 17, 1933, Serial No. 698,407
11 Claims. (Cl. 179—1)



1. In an audio frequency transmission system including a source of audio frequency voltage and an audio frequency utilizing load, a network for regulating the audio frequency transmission between said source and load, said network comprising a resistor connected across said load, an adjustable tap connected to said resistor, a bass control path comprising a resistor and condenser in series, said path being connected in shunt with said load, a variable resistor connected in series with said path, a common means for mechanically operating said adjustable tap and the adjustable element of said variable resistor, and a condenser connected in series between said path and the said adjustable tap.

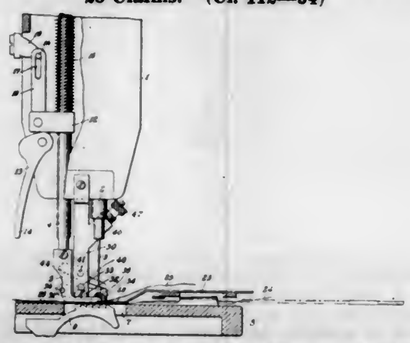
2,069,854
AUTOMATIC NOISE SUPPRESSOR CIRCUIT
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 10, 1935, Serial No. 35,602
8 Claims. (Cl. 250—20)

1. In combination with a radio receiver of the automatic gain control type, a background noise suppressor network comprising an oscillator responsive to variations in received signal carrier amplitude, means for rectifying the oscillations to produce a cut-off bias for an audio amplifier of the receiver, and additional means electrically



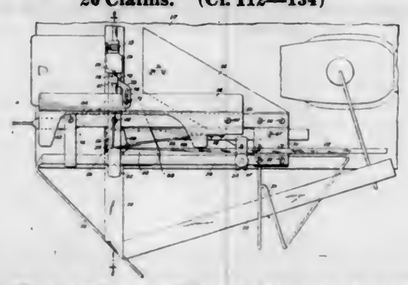
associated with the oscillator for imparting a characteristic to the oscillator such that said cut-off bias is produced or removed without any transitional bias values.

2,069,855
SHIRRING DEVICE
Charles Seaman, Jamaica Estates, Long Island, N. Y.
Application April 10, 1936, Serial No. 73,635
28 Claims. (Cl. 112—34)



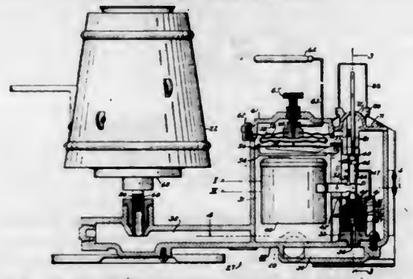
1. In a sewing machine, a feed dog, a presser foot to hold a material in feeding engagement therewith, means to periodically release the pressure of said presser foot on said material, and additional means to simultaneously and periodically grip the material to apply a predetermined tension thereto so as to control the feed in a predetermined manner.

2,069,856
RUCHING DEVICE
Charles Seaman, Jamaica Estates, Long Island, N. Y.
Application April 10, 1936, Serial No. 73,636
20 Claims. (Cl. 112—134)



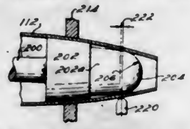
1. In a sewing machine, a feed dog, a presser foot to hold a first material in feeding engagement therewith, means to continuously feed a second material through said machine for stitching to said first material, means to periodically release the pressure of said presser foot on said first material for interrupting the feed thereof, and means to return the first material a predetermined amount when the feed is thus interrupted for thereby forming a fold or pleat in the second material.

2,069,857
LIQUID FUEL BURNER
Harry C. Shagaloff, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application October 1, 1934, Serial No. 746,278
9 Claims. (Cl. 236—1)



7. A liquid fuel burner, means for supplying liquid fuel to said burner, a float adapted to be buoyed by liquid fuel flowing to said burner, a valve for controlling flow of liquid fuel to the burner, a first means operatively connecting said valve to said float, and thermostatically operable means for adjustably weighting said float.

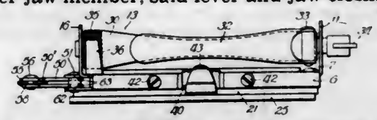
2,069,858
MANDREL FOR SPINNING METAL
John Squires, Hagerstown, Md.
Original application July 5, 1933, Serial No. 679,133. Divided and this application April 2, 1934, Serial No. 718,573
7 Claims. (Cl. 113—52)



1. A mandrel for supporting a tube to be heated and spun closed at its end comprising a base portion snugly fitting the interior of the tube, a body portion slightly smaller than the interior of the surrounding portion of the tube and adapted to be spaced therefrom throughout the spinning operation to reduce transfer of heat between the tube and the mandrel, and an end of the size and shape desired in the interior of the tip of the closed tube.

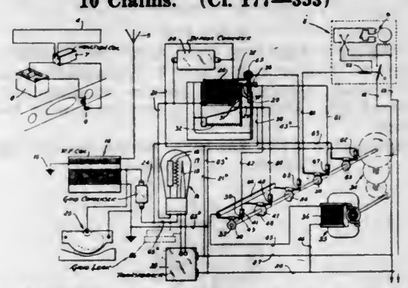
2,069,859
HAIR WAVING CLAMP
Bernard A. Sterling, Chicago, Ill.
Application October 19, 1934, Serial No. 748,992
11 Claims. (Cl. 132—33)

1. In a hair waving clamp, a pair of jaw members, means pivotally connecting said jaw members at one end of the clamp, a lever pivoted to one of said jaw members at the other end of the clamp, and a jaw closing and latch member pivoted to said lever and cooperable with the other jaw member, said lever and jaw closing and



latch member being swingable simultaneously about their respective pivots to close the jaw members and to lock same in closed position.

2,069,860
REMOTE CONTROL SYSTEM
Duncan J. Stewart, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.
Application December 15, 1933, Serial No. 702,434
10 Claims. (Cl. 177—353)



3. A remote control system having in combination with a part to be controlled, means for transmitting a signal composed of impulse and space units, a control device to be operated through a predetermined cycle, driving means for said device including a rotary electric motor, and means responsive to a transmitted signal of a preconcerted character adapted to cooperate with said control device to control the energization of said motor, said signal responsive means being operative during an intermediate portion of the cycle only under the control of a space unit to maintain said motor energized, and said control device having means cooperating with said signal responsive means in response to a signal unit of a predetermined character occurring subsequent to the movement of said device past said predetermined point to govern operation of said part to be controlled.

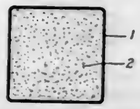
2,069,861
α-ALKYLIDENE AND α-ALKYL CYCLOPENTANONE
Alexander St. Pfau, Geneva, Switzerland, assignor to Givaudan-Delawanna, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 16, 1934, Serial No. 748,455. In Germany October 16, 1933
4 Claims. (Cl. 260—131)

1. A cyclopentanone mono-substituted in the α-position by a radical selected from the group consisting of alkyl and alkylidene radicals having from 4 to 10 carbon atoms.

2,069,862
CARBONACEOUS ELECTRODE
Masutaro Suzuki, Itabashi-ku, Tokyo, Japan, assignor to Asahi Denka Kogyo Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan
Original application June 4, 1935, Serial No. 24,851. Divided and this application July 9, 1936, Serial No. 89,810. In Japan April 11, 1935
5 Claims. (Cl. 204—4)

1. A carbonaceous electrode having its pores

filled with chlorinated material belonging to the group consisting of oil, fat and fatty acid, comprising a protective layer of electrically conductive substance covering the body of said electrode



and having such a degree of porosity that said chlorinated material cannot flow out of said pores of the electrode but electrolyte can enter into said pores through said protective layer at a very slow rate when used in electrolytic operation.

2,069,863
SAFETY DEVICE FOR GAS BURNERS
Robert S. Taylor and Harry C. Shagaloff, Evansville, Ind., assignors, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application April 25, 1933, Serial No. 667,785
4 Claims. (Cl. 158—117.1)



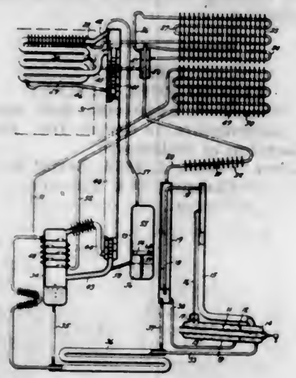
1. Fluid fuel burner apparatus comprising a burner, a structure including a gas supply conduit connected to the burner, a valve member in said conduit, a stem connected to said valve member, a snap-action diaphragm mounted on said structure and connected to said stem and adapted to buckle to either side of a plane to move the valve member to open and closed positions respectively, said diaphragm being sealed with respect to said structure and said stem to prevent leakage, and a resilient thermostatic member mounted on said structure and connected to said stem, said resilient member being in heat transfer relation with the gas flame of the burner, said resilient member being automatically distortable under variation of temperature to move said diaphragm to center position from either buckled position.

2,069,864
INNERSOLE WITH ATTACHED RIB
Percy W. Valentine, Brooklyn, N. Y.
Application December 24, 1934, Serial No. 758,946
3 Claims. (Cl. 36—22)



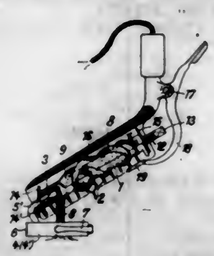
1. An innersole consisting of a body and a rib formed of welt material, the thickness of which from one edge through a fraction of its width is a fraction of the thickness of the remaining portion of the strip, the thinner and thicker fractions being divided from one another by a shoulder substantially perpendicular to their side faces, and the thinner fraction forming a flange which is bent at an angle to the main part of the rib and cemented to the surface of the body.

2,069,865
REFRIGERATION
Hugo M. Ullstrand, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application October 25, 1934, Serial No. 749,871
14 Claims. (Cl. 62—119.5)



11. A refrigeration system including a generator, a condenser, an evaporator, and an absorber interconnected for circulation of cooling agent therethrough in series and circulation of auxiliary agent between said evaporator and absorber, and means for alternately accumulating out of active circulation auxiliary agent and cooling agent in substantially pure liquid phase.

2,069,866
APPARATUS FOR PERMANENTLY WAVING HAIR
Julius Wenter, Budapest, Hungary
Application May 27, 1935, Serial No. 23,564
In Hungary October 17, 1934
6 Claims. (Cl. 132—33)



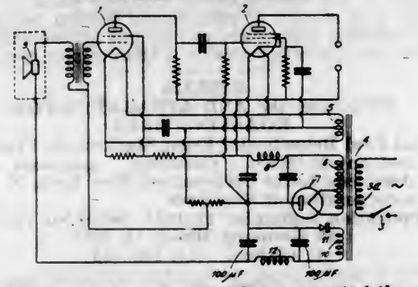
1. A hair-waving device, comprising in combination, an integral cylindrical curler toothed along a generatrix thereof for the reception of coils of hair, means carried by said curler for tensioning the hair wound thereon, a channel-shaped heating element embracing the curler on three sides, leaving the lower side exposed and supporting means for attaching the curler to the tress of hair near the roots thereof, said supporting means, consisting of a two-parted hinged clamp, provided on one of its branches with an oblique, upwardly pointed spur of prismatic end section, fitted removably into a prismatic and axially positioned socket in the curler, thereby preventing spontaneous rotation of the curler, relative to its support.

2,069,867
ELECTRON EMITTER
James R. Wilson, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,695
10 Claims. (Cl. 250—27.5)



1. An electron emitter comprising laminae each including an apertured central portion and a plurality of arms extending from said central portion, means securing said laminae together to form a cylindrical surface composed of the central portions of said laminae and vanes composed of the arms of said laminae, and a heater element within said surface.

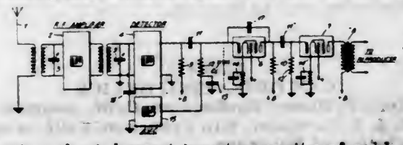
2,069,868
MICROPHONE AMPLIFIER
Otto Wohlfarth, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 2, 1935, Serial No. 8,969
In Germany February 1, 1934
5 Claims. (Cl. 179—1)



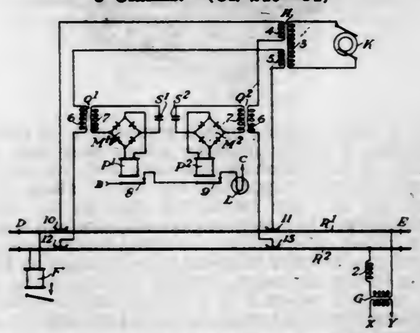
1. An amplifier circuit having connected therewith a microphone operated by current means energized from an alternating current source, said operating current means comprising a source of alternating current, a single transformer having a primary and a plurality of secondary windings, the primary winding of said transformer connected to the alternating current source, one of the secondary windings of said transformer connected to a rectifier tube, a filter connected to said rectifier tube and said secondary winding, said filter connected to said amplifier for supplying current thereto, at least one other secondary winding of said transformer connected to a copper oxide rectifier, a second filter connected to said copper oxide rectifier and said last-mentioned secondary winding, said second filter having two electrolytic condensers connected in parallel with said last-mentioned secondary winding, said filter being connected to said microphone for supplying current thereto.

2,069,869
AUTOMATIC TONE CONTROL CIRCUIT
Jacob Yolles, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 4, 1933, Serial No. 696,670
13 Claims. (Cl. 250—20)

1. An audio frequency amplifier of variable gain, means responsive to variations in intensity of the currents impressed on the amplifier for providing said variable gain, and means for augmenting the inherent input capacity of said amplifier whereby the latter varies automatically with the gain and directly therewith.

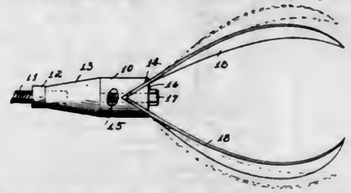


2,069,870
TRACK SHUNTING APPARATUS
George W. Baughman, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 29, 1933, Serial No. 678,222
5 Claims. (Cl. 246—34)



1. In combination, a stretch of railway track provided with track circuits, a car on said track, a transformer on said car having two secondaries each of which is connected across the rails of the track, the instantaneous relative polarities of said connections being opposite so that the voltages of the two secondaries aid each other in breaking down the rail contact resistance, a circuit for the primary of said transformer including a source of alternating current, and means for tuning the connection of each secondary with the track rails to approximately multiple resonance at the frequency of said source.

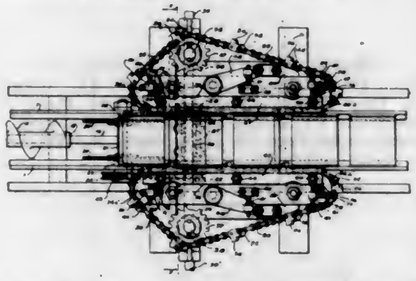
2,069,871
CUTTER MEMBER FOR CLEANING DRAIN PIPES
Samuel O. Blanc, Des Moines, Iowa
Application October 21, 1935, Serial No. 45,993
6 Claims. (Cl. 15—104.30)



3. The combination of a rotatable cutter head, a pair of oppositely curved cutter blades formed of thin and flexible material having one set of corresponding ends fixed to said head in a diverging manner with the opposite ends spaced apart, the outer ends of said blades being inclined rearwardly relative to their direction of rotation,

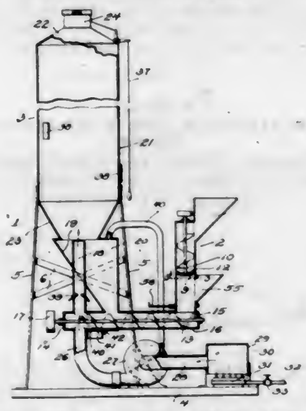
the outer ends of the cutting edges of said blades being further inclined rearwardly relative to their direction of rotation.

2,069,872
CAN ORIENTING DEVICE
Wilford E. Burns, Burlingame, Calif., assignor to M. J. B. Company, San Francisco, Calif., a corporation of Delaware
Application August 22, 1936, Serial No. 97,427
9 Claims. (Cl. 216—58)



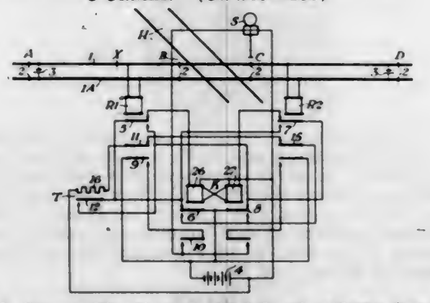
1. A can orienting means comprising, in combination, a guideway along which cans may be rolled in succession, a traveling belt having a length thereof supported for travel along the guideway and can registering dogs on the belt, each adapted to loosely engage with the end seam of a rolling can through a definite interval of its travel in a manner whereby to be engaged by the bulge in the can seam, thereby to stop rolling of the can and retain it in a definite position until released from the traveling belt for resumption of rolling travel.

2,069,873
PROCESS FOR THE PRESERVATION OF ORGANIC MATERIAL
Earl A. Chenault, Columbus, Ohio
Application September 27, 1929, Serial No. 395,644
Renewed March 23, 1936
13 Claims. (Cl. 99—8)



1. The method of curing alfalfa and the like, which comprises cutting the plant when fresh and green, crushing the plant to release liquid contained in the cells thereof and then allowing the crushed plants to dry, the crushing and releasing of liquid serving to accelerate drying of the plant.

2,069,874
CONTROLLING APPARATUS FOR HIGHWAY CROSSING SIGNALS
Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 5, 1935, Serial No. 14,891
8 Claims. (Cl. 246—130)



1. In combination, a stretch of railway track divided into a first section and a second section, a signal, a first relay operable by a car entering said first section for operating said signal, a second relay operable by a car entering said second section for operating said signal, a timing device effective at times to control either said first relay or said second relay, and means for controlling said timing device effective when either said first section or said second section becomes unoccupied after such section has been occupied provided the other section is then unoccupied.

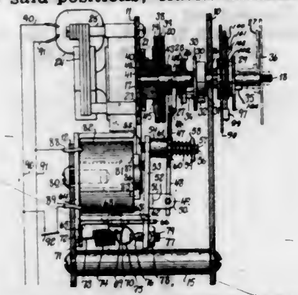
2,069,875
PROCESS OF AND APPARATUS FOR ROASTING ORES
Carl Paul Debuch and Ernst Markworth, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application September 11, 1934. Serial No. 743,510
In Germany March 10, 1934
11 Claims. (Cl. 263—33)



1. The process of roasting ores in a rotary tube-furnace and of controlling the reaction temperature in said furnace which comprises passing ore to be roasted through a rotary tube-furnace, admitting roasting air into said furnace as a plurality of jets at spaced intervals of the length thereof, discharging said roasting air substantially radially into zones adjacent to the axis of the furnace, circulating a cooling medium within the furnace in association with each of said jets of roasting air but independently thereof, and withdrawing said cooling fluid, whereby heat is withdrawn from the gases in the furnace and the roasting air is discharged into the furnace in a substantially cool state.

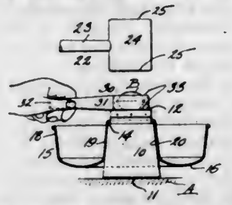
2,069,876
TIMING INSTRUMENT
Leonard P. Dorsett, Bethlehem, Pa., assignor to The Standard Electric Time Company, Springfield, Mass., a corporation
Application January 28, 1935, Serial No. 3,701
10 Claims. (Cl. 161—15)

1. A timing instrument including: a time-element; a normally-driven, constant-speed motor; clutch members to operatively connect said time-element and motor together; a clutch-moving means for relatively moving said clutch-members to clutched and unclutched positions; yieldable means acting on said clutch-moving means and tending to relatively move said clutch-members to one of said positions; clutch-actuating means



to relatively move said clutch-members to the other of said positions against the action of said yieldable means; and adjustable means to adjust the yieldable action of said yieldable means to vary the speed of actuation of the clutch by said yieldable means to equalize the underrun and overrun of said time-element.

2,069,877
NUT CRACKING DEVICE
Arthur J. Fix, Buffalo, N. Y.
Application January 31, 1935, Serial No. 4,370
12 Claims. (Cl. 146—14)



1. A device for facilitating the cracking of nuts resting upon a supporting surface by the impact of a striking implement, said device including a member having a portion to be grasped in the hand, and nut retaining eyes of different sizes connected thereto and detached from the supporting surface, each eye being open at both faces, of lesser distance between its open faces than the smallest inside dimension of that eye, and both faces of each eye having its largest inside dimension less than a dimension of those faces of the striking implement and supporting surface with which they engage, and each eye having a wall of different height and which is slightly less than the height of the nuts selected to be cracked in that particular nut retaining eye.

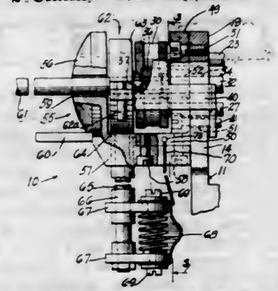
2,069,878
ATTACHING MEANS
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application May 7, 1935, Serial No. 20,137
15 Claims. (Cl. 223—102)

1. A device of the class described comprising a needle having a longitudinal bore, a plunger, means to reciprocate the plunger along the needle, said needle having on one side a longitudinal slot to receive a flexible element depending from a fastening bar disposed within the bore, whereby the plunger may advance the bar through the bore, and said needle having on



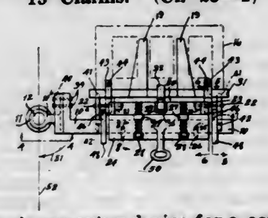
another side an opening for inserting a fastening bar in said bore.

2,069,879
POSITIVE CARBON FEEDING HEAD
Charles A. Fuchs, Hollis, N. Y., and Frank Spaloss, Teaneck, N. J., assignors, by mesne assignments, to Ludwic A. Wilczek, New York, N. Y.
Application April 6, 1934, Serial No. 719,284
2 Claims. (Cl. 176—51)



1. A rotary carbon electrode feeding head including a plurality of angularly spaced rollers disposed along a transverse to the horizontal axis of said head for feeding and rotating the carbon electrode therebetween, a relatively stationary ring shaped carbon contact for movably receiving the carbon electrode, and a refractory shield having an opening for passage of a carbon electrode therethrough, said shield and said contact being of relatively minimum thickness and yet providing adequate heat shielding and transmission of current, respectively, said contact being intermediate of said shield and said rollers, the latter and the shield and contact lying in parallel planes in close proximity to each other, a support having a drive for the rollers, a bracket removably mounted on the support, shafts for the rollers, and bearing means for the shafts carried by the support, including bearings mounted on the bracket and removable as a unit therewith, whereby a carbon electrode can be fed and burned down to leave a stump of minimum length.

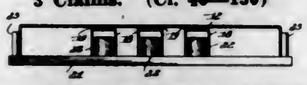
2,069,880
BLOCK REMOVING DEVICE FOR CONCRETE BLOCK MACHINES
Louis Gelbman and Nathan L. Gelbman, Yonkers, N. Y., assignors to Joltcrete Incorporated, Yonkers, N. Y., a corporation of New York
Application February 10, 1934, Serial No. 710,620
15 Claims. (Cl. 25—1)



1. A block removing device for a concrete block machine, comprising a member supported to

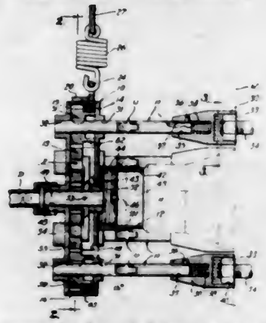
swing, and an angle member pivotally mounted on said member to pivot about said member as an axis and limited to move through substantially 90°, one arm of said angle member being adapted to engage beneath a block from said machine, whereby when the angle member is pivoted the block is deposited upon the other arm of said angle member, and a supporting element on the latter mentioned arm of the angle member for receiving and holding said block.

2,069,881
LIGHT REFLECTING MEANS
Walter F. Grote, Mount Washington, Ohio, assignor to The National Colortype Company, Bellevue, Ky., a corporation of Kentucky
Application September 18, 1936, Serial No. 101,487
3 Claims. (Cl. 40—130)



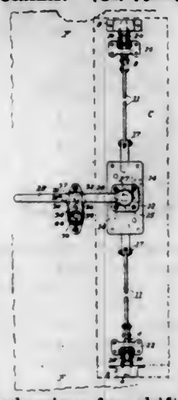
3. The method of assembling a sign formed of a supporting plate, a plurality of light reflecting units, holders for supporting the units for detachment from the sign and a display plate having apertures outlining a predetermined character, the method comprising inserting the holders upon individual supporting members fixed on a base and corresponding in outline to the outline formed by the apertures of the display plate, applying adhesive material to the rear ends of the holders, positioning the supporting plate in contact with the adhesive material and uniting the holders with said plate by means of said material, withdrawing the supporting plate and holders from said supporting members, inserting the light reflecting units within the holders, and assembling the display plate upon the sign with the front ends of the units within the apertures of said display plate.

2,069,882
MULTIPLE POWER WRENCH
Walter Hall, Los Angeles, Calif., assignor of one-half to J. Michael O'Meara, Los Angeles, Calif.
Application June 26, 1935, Serial No. 28,529
18 Claims. (Cl. 81—57)



1. In a wrench for tightening a plurality of securing members, a plurality of rotatable spindles operable to transmit tightening forces to said members, and a transmission operable by a single drive to rotate the several spindles independently to tighten the said members to the same degree of tightness and no tighter, said transmission including pinions associated with the spindles, and an element rotated by the drive operable to successively cooperate with pairs of substantially opposite pinions to partially rotate the same.

2,069,883
LOCK FOR THE DOOR OF A REFRIGERATOR TRUCK OR CAR
Carl R. Hennicke, Cleveland, Ohio, assignor, by mesne assignments, to The Eastern Malleable Iron Company, Naugatuck, Conn., a corporation of Connecticut
Application July 2, 1935, Serial No. 29,501
13 Claims. (Cl. 70—74)



10. Latch mechanism for shifting a movable closure relative to a frame and for securing the closure thereto comprising a bolt for engaging the frame, means for moving the bolt to released and engaged positions, said means including an actuating member on the outside of the closure swingable to locking and unlocking positions and a linkage connecting the bolt to the closure for pulling the closure against a portion of the frame during movement to engaged position, said actuating member being so connected to the bolt that the member tends to swing away from locking position because of the pressure on the bolt, and means for securing said member in locking position against torque thus imparted thereto by the bolt comprising a resiliently positioned catch engageable with said member when in locking position and a key-operated lock for controlling releasing movement of said catch.

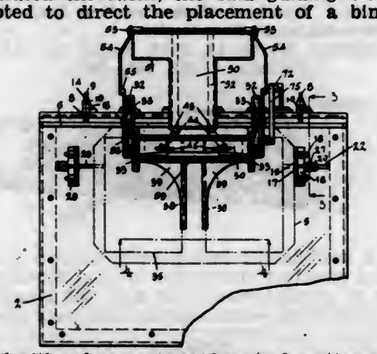
2,069,884
PROCESS OF PREPARING FOOD PRODUCT
Edward G. Jansen, Sheboygan, Wis.
No Drawing. Application April 20, 1935, Serial No. 17,389
3 Claims. (Cl. 99—156)

3. The process of preparing a food product comprising treating peeled potatoes in a bath containing approximately three percent of benzoate of soda in water, rinsing said potatoes to remove all of said bath adherent thereto, reducing said potatoes to a finely divided state in the presence of the juice or liquid derived therefrom and draining off said liquid together with the starch held in suspension in said liquid.

2,069,885
CASE MAKING MACHINE
Bryan Jeffreys, Toledo, Ohio
Application August 22, 1934, Serial No. 740,904
14 Claims. (Cl. 154—41)

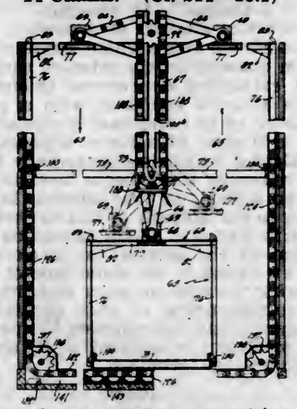
1. A case making machine comprising means for supporting a case cover, a case cover guiding means disposed on said first named means, a case cover engaging means movably disposed with reference to the first named means for engaging

the case cover at points proximate to the central portion thereof and having a guiding element associated therewith, the said guiding element adapted to direct the placement of a binder's



board with reference to said central portion of the case cover whereby said case cover and binder's board may be associated in a predetermined relation.

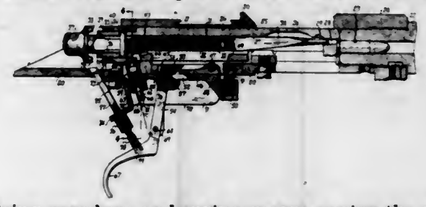
2,069,886
ROTARY PARKING UNIT
Lawrence S. Joslin, Braintree, Mass.
Application May 10, 1932, Serial No. 610,390
14 Claims. (Cl. 214—16.1)



1. In an elevator system comprising a well, a cradle traveling in said well, means in contact with the cradle at all times for moving it through the well and supplemental means in contact with the cradle only during its travel through the well for assisting said moving means, said moving means including chains pivotally connected to said cradle at the top approximately midway between the side walls thereof and said supplemental means comprising chains and plates carried thereby, which plates include tongues which extend below the lower side edges of the cradle during its travel through the well.

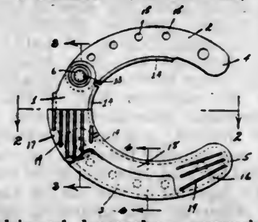
2,069,887
SEAR-MECHANISM FOR FIREARMS
Albert F. Laudensack, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application July 31, 1935, Serial No. 33,957
16 Claims. (Cl. 42—69)

1. A sear-mechanism for firearms, including in combination: a spring-pressed firing-member; a sear serving to releasably hold the said firing-member in its cocked position; a trigger having a portion coacting with the said sear to releasably hold the same in position to restrain the said



firing-member; and spring-means urging the said sear into its firing-member-releasing position when the firearm is cocked, and also serving to move the said sear into position to release the said firing-member when the said trigger is operated.

2,069,888
HORSESHOE
Walter H. Laws, Sr., Hamilton, Ontario, Canada
Application April 18, 1935, Serial No. 16,940
2 Claims. (Cl. 168—13)

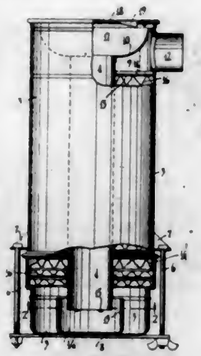


1. A cushioned horseshoe comprising a flat metallic horseshoe-shaped core having toe and side pieces, the side pieces being pivotally connected at the toe piece for lateral adjustment, a downwardly extending flange formed along the inner edge of said toe and side pieces, an elastic casing encasing said core and forming a toe caulk, heel caulks and a rib joining each heel caulk to the toe caulk, and means for anchoring the elastic casing comprising a spherical shaped depression in the upper side of the toe piece at each end thereof and a spherical shaped stud on the underside of the side pieces immediately underlying the ends of the toe pieces.

2,069,889
AIR CLEANER
Wilfred W. Lowther, Minneapolis, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Minnesota
Application December 17, 1934, Serial No. 757,829
9 Claims. (Cl. 183—15)

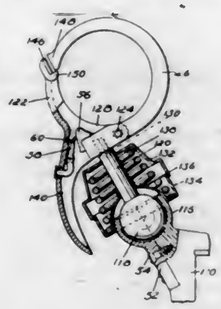
3. In an air cleaner, the combination with a casing having an oil well and an axially disposed air intake tube extending into said well, of a screen within said casing and surrounding said air intake tube above the oil level in said well, and said well including a cup-shaped receptacle the side walls of which are spaced from the walls of said well and from the discharge end portion of said air intake tube, whereby to provide a primary air passage between the discharge end portion of said inlet tube and the upper side wall portions of said receptacle communicating with said casing above the normal oil level within said well and a port extending through the side wall of said receptacle and establishing communication between the interior of said receptacle and said well below the normal oil level adapted under

varying changes in pressure within said receptacle and casing to control the flow of oil to said receptacle and air to said well.



8. An air cleaner comprising a casing provided with an oil well, an air outlet leading from the casing at a point upwardly spaced from said oil well, an upwardly opening receptacle provided by a partition wall located in said oil well, a downwardly directed air inlet passageway arranged to discharge into said receptacle, metering openings in the partition wall of said upwardly opening receptacle intermediate the upper and lower edges thereof, and an upwardly directed primary air passageway between the walls of said inlet passageway and receptacle in communication with the interior of the casing above the oil in the well, whereby said metering openings are rendered effective to control the supply or oil from the well to the air stream in said primary air passageway through displacement of oil in said receptacle below said metering openings by impingement of the air stream thereon.

2,069,890
WORK SUPPORT
Stanley I. MacDuff, Chicago, Ill., assignor to Irene T. Wood, Chicago, Ill.
Application January 23, 1936, Serial No. 60,391
19 Claims. (Cl. 45—24)



3. A support for an embroidery frame or the like comprising a pair of jaws, a universally mounted member supporting said jaws, and expansible pressure means having one end operatively acting on said jaws to move one relative to the other and having its other end operatively acting on said universally mounted member to resist movement thereof.

2,069,891
HOSE
Andrew D. Maclachlan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 14, 1930, Serial No. 435,795
7 Claims. (Cl. 138—56)



1. A hose having incorporated therein a reinforcing structure comprising crossed windings of tapes of parallel strands of wire, the strands of each tape being bound together by a weft wire.

2,069,892
METHOD OF ANALYZING MIXED ORGANIC ACID ESTERS OF CELLULOSE
Carl J. Malm and Gale F. Nadeau, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Original application March 6, 1933, Serial No. 659,698. Divided and this application November 24, 1934, Serial No. 754,680
8 Claims. (Cl. 23—230)

1. A method of analysis of a mixture of fatty acids of 2–4 carbon atoms which comprises titrating a given quantity of the mixture with standard alkali, extracting a measured amount of the mixture in aqueous condition with a predetermined amount of an extractant comprising a liquid fatty acid ester of a lower aliphatic monohydroxy alcohol which is substantially insoluble in water, removing the aqueous layer therefrom, titrating an amount of that aqueous layer, corresponding to the amount of mixture which was titrated, with standard alkali, extracting another like amount of the mixture in aqueous condition with an excess of the same type of extractant, removing the aqueous layer and titrating an amount, corresponding to that titrated above, with standard alkali, determining the percentage partition coefficient designated as K_1 and K_2 in accordance with the formulas:

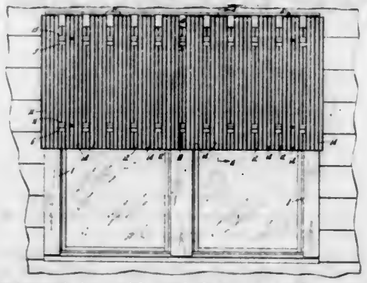
$$K_1 = \frac{100M_1}{M}$$

$$K_2 = \frac{100M_2}{M}$$

where M represents the amount of alkali used in the titration of the mixture before extraction, M_1 represents the amount of alkali used in the titration of the aqueous layer when a small amount of extractant was used and M_2 represents the amount of alkali used in titration of the aqueous layer when a large amount of extractant was used, and then mathematically determining the contents of the various acids in the mixture from these percentage partition coefficients and the percentage partition coefficients of the individual acids in the two amounts of extractant employed.

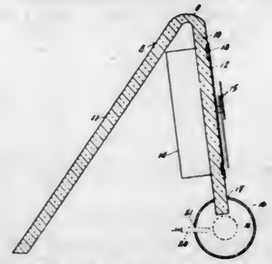
2,069,893
AWNING
Albert T. Matthews, Thomaston, Ga.
Application December 7, 1932, Serial No. 646,095
5 Claims. (Cl. 156—15)

1. An awning structure comprising end frames spaced apart in substantial parallelism and having inclined upper surfaces, battens extending in substantially parallel relation and having their opposite ends connected to said end frames adjacent the inclined upper surfaces, and strips spaced apart in substantially parallel relation



with respect to said end frames and secured to the opposite sides of said battens, the strips on the opposite sides of said battens being staggered relatively and in substantially overlapping relation.

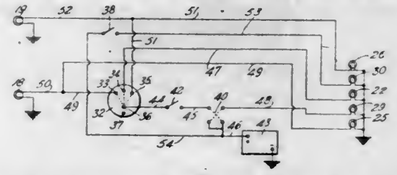
2,069,894
CLOCK
Gustave F. Mattman, Cincinnati, Ohio, assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio, a corporation of Ohio
Application August 9, 1935, Serial No. 35,508
5 Claims. (Cl. 240—2.1)



1. As a new article of manufacture, a clock comprising a glass plate bent to provide two sections so disposed relative to one another that the bent plate may be stood up on a supporting surface with one of the sections in position to be conveniently viewed, a clock face provided on a surface of said last-mentioned section, a clock mechanism attached to said section behind said clock face and comprising clock hands associated with said clock face, a light casing provided with an apertured portion embracing an edge of said clock-supporting section, and illuminating means in the casing for directing light into and across said clock-supporting section through the edge thereof to illuminate the clock face.

2,069,895
SIGNALING SYSTEM FOR VEHICLES
Edward John Melvin, Hamilton, Ontario, Canada
Application August 15, 1935, Serial No. 36,251
In Canada February 13, 1935
1 Claim. (Cl. 177—339)

In a signaling system for automobiles, a pair of front direction signal lamps, a tail light bank including a warning lamp, a right direction lamp, a left direction lamp, and a stop lamp, said bank of lamps being grounded in multiple to the automobile, the said right direction lamp being conductively connected to the right front direction signal lamp, the said left direction lamp being conductively connected to the left front direction signal lamp, a battery and battery circuit, a brake pedal operated reversing switch, a three-point pivot switch, an emergency brake operated switch conductively connected to the pivot of the three-point switch, said reversing switch conductively connecting the stop lamp in the battery circuit in one position and conductively connecting the emergency brake operated switch with the battery circuit in the other position, a conductive connection from one point of the three-point switch to the connection between the left front direction signal lamp and the left direction lamp at the rear of the machine, a conductive connection between a second point of the three-point switch and the connection between the right front direction signal lamp and the right direction lamp at the rear of the machine, and a conductive connection between the third point of the three-point switch and the warning lamp.



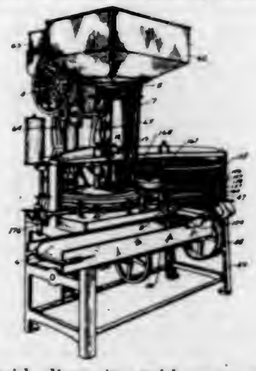
2,069,896
MANUFACTURE OF RETENE AND OTHER CARBON COMPOUNDS
Fred W. Muncie, Jacksonville, Fla., assignor to Wood Chemical Products Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 21, 1933, Serial No. 690,429
2 Claims. (Cl. 260—168)

1. A process of making retene, which comprises condensing pine tar oil compounds by heating pine tar oil with a metal halide catalyst selected from the group consisting of aluminum chloride, zinc chloride, iron chloride, taking off volatile distillate, mixing the distillate with caustic soda solution, separating the mixture into aqueous and oily layers, and distilling from the oily layer a fraction containing retene.

2,069,897
BOTTLE CLOSURE ASSEMBLING MACHINE
Berthold Nagy, Brooklyn, N. Y.
Application August 24, 1933, Serial No. 686,497
Renewed December 14, 1936
10 Claims. (Cl. 113—80)

1. The combination with a bottle cap and disc assembling machine of the type in which the discs and caps are positively fed by mechanical means to a common point where they are delivered to and assembled by an assembling element; of a disc carrying element, a cap carrying element, positioned below the disc carrying element, and with the carrying means of both elements aligned, and an assembling element of a comparatively larger diameter than the cap carrying element, a disc feeder positioned at one side of the disc and cap carrying elements, and adapted to feed a plurality of discs at the same time, and with the same movement to positions above caps in the said cap carrying element, means controlling the feeding mechanism of said discs independently, preventing feeding of discs to the disc carrying element when the carrying means of the

cap carrying element does not contain caps, thereby only feeding discs when caps are in position in the cap carrying element to receive them; means in said assembling element adapted



to hold said discs in said caps substantially throughout one revolution thereof, and means operating said elements, said elements positioned to position the discs, caps and holding means in alignment in an assembling position.

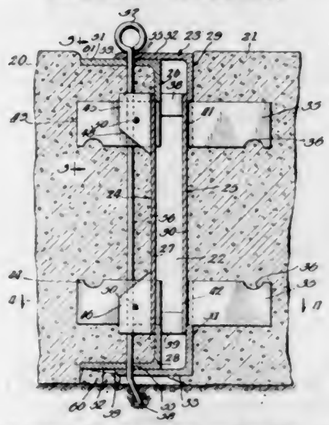
2,069,898

EXPANSION JOINT FOR CONCRETE PAVEMENTS AND THE LIKE

Clifford Older, Wilmette, Ill.

Application September 26, 1931, Serial No. 565,229

11 Claims. (Cl. 94—18)



1. In a concrete pavement or the like, the combination of a pair of concrete sections having their adjacent edges initially spaced from each other, with a metal fitting carried by the first concrete section and having metallic guide surfaces above and below said concrete section, and a second metal fitting carried by the other of said sections and having guide flanges located above and below the guide surfaces of the first mentioned section, whereby said concrete sections are slidably mounted with respect to each other to permit expansion and contraction of the concrete and to transmit load from one section directly to the other, said fittings being provided with registering apertures adapted to receive a supporting pin for the purpose of holding the parts of said fittings in predetermined position during the handling and installation of said fittings.

2,069,899

JOINT FOR CONCRETE PAVEMENTS AND THE LIKE

Clifford Older, Wilmette, Ill.

Original application September 26, 1931, Serial No. 565,229. Divided and this application January 6, 1934, Serial No. 705,578

9 Claims. (Cl. 94—17)



1. An expansion joint unit for concrete pavement comprising a pair of metal members of substantially T-shaped cross section, the upper flanges of the T's being arranged substantially flush with the upper and lower surfaces of the concrete pavement, and the vertical flange of the T section having a multiplicity of anchoring lugs struck out of said flanges and bent out transversely to the length of said metal members, and a plurality of spaced metal plates connected to said vertical flanges at intervals for maintaining said metal members in spaced relation to each other, the spacing of the upper flanges of the T being substantially equal to the thickness of the concrete.

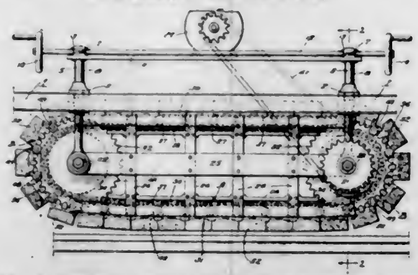
2,069,900

GRINDING DEVICE

Henry J. Perazzoli, Philadelphia, Pa.

Application October 25, 1934, Serial No. 749,974

17 Claims. (Cl. 51—178)



13. A grinding device including a pair of members mounted in spaced relation and having drum surfaces, a chain of rollers surrounding said members and adapted to ride on said surfaces, an endless carrier adapted to ride on the rollers of said chain, abrasive means carried by said carrier, and means engaging said carrier to effect movement thereof.

2,069,901

FUEL TANK LOCK

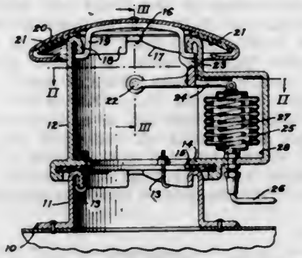
Benjamin B. Randrup, Brisbane, Calif.

Application April 27, 1935, Serial No. 18,585

5 Claims. (Cl. 70—90)

1. In a device of the character described, the combination of an internal combustion engine, a fuel tank having a filling neck formed thereupon, an extension forming member having a bellows enclosing compartment adapted to be secured upon said filling neck, a closure member adapted by rotation to be attached and detached upon said extension forming member, a retractable detent pivotally mounted upon said extension forming member engaging said closure member to prevent a detachable rotation thereof and having an operating arm extending into the bellows

enclosing compartment, a collapsible bellows mounted at one end in the bellows enclosing compartment on said extension member and connected at its other end to the operating arm



of said detent for controlling the operation of said detent, and a sealed connection between the interior of said bellows and the intake manifold of said internal combustion engine.

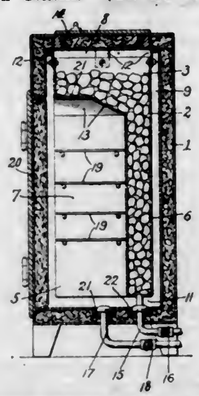
2,069,902

REFRIGERATOR

Robert H. Richter, Chicago, Ill.

Application October 11, 1933, Serial No. 693,125

1 Claim. (Cl. 62—68)



A refrigerator comprising an insulating receptacle, an ice chamber therein having a top portion and other portions which extend downwardly therefrom and are arranged to form the walls of a food chamber, a part of the ice chamber forming the top of the food chamber, the top portion of the food chamber being made up of three inclined sections having plane faces, two of the sections inclining downwardly in opposite directions toward the sides of the food chamber, and a third section inclining downwardly toward the rear of the food chamber, said faces being arranged to direct the condensed moisture to the walls of the food chamber so that it will not drip upon the stored food.

2,069,903

INSULATING MATERIAL HAVING A HIGH DIELECTRIC CONSTANT AND A PROCESS OF PRODUCING SAME

Werner Soyck, Berlin-Pankow, and Alfred Ungewiss, Berlin-Halensee, Germany

No Drawing. Application December 27, 1935, Serial No. 56,374. In Germany December 14, 1934

9 Claims. (Cl. 106—12)

1. A process of producing an insulating material of high dielectric constant, consisting in preparing a ceramic batch containing a substantial amount of a mixture of titanium dioxide and zirconium dioxide and in which the amount of titanium dioxide is materially greater than the amount of zirconium dioxide, working the batch and firing it to vitrification.

2,069,904

RAILWAY SWITCH AND INTERSECTION

Vangel Theodos, San Francisco, Calif.

Application May 25, 1935, Serial No. 23,416

6 Claims. (Cl. 246—437)



1. A railway switch comprising an elongated casting provided with a flat top portion, a switch tongue on said flat top portion, means pivotally supporting the tongue thereon, said means comprising a depending, vertical shaft secured to the tongue adjacent one end thereof and a bearing in the casting rotatably supporting said shaft therein, an elongated car-wheel supporting member positioned adjacent a side of said tongue independently of any securement to said tongue and extending from end to end thereof, a recess formed in said casting adapted to form a seat for said supporting member and means removably securing said supporting member in said seat.

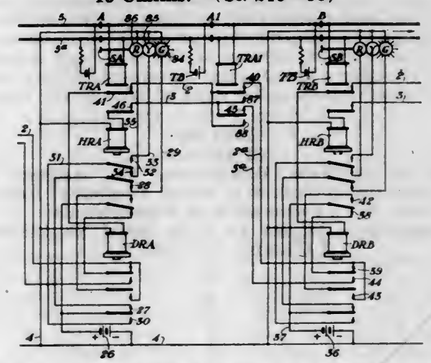
2,069,905

RAILWAY TRAFFIC CONTROLLING APPARATUS

Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 26, 1935, Serial No. 42,215

15 Claims. (Cl. 246—53)



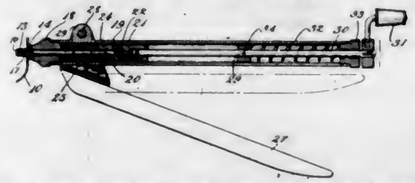
1. In combination, a stretch of railway track, a signal having a first and a second position for governing traffic through said stretch, line circuit means including two control wires and a common return wire, a source of current having one terminal permanently connected to the common return wire, a relay associated with each control wire and having its winding connected between its control wire and the common wire, traffic controlled means adapted to connect one control wire to the other terminal of the current source under one traffic condition and to connect the other control wire to said other terminal under other traffic conditions whereby one of said relays is energized under the first mentioned traffic con-

dition and the other relay is energized under said other traffic conditions, a first operating circuit for operating said signal to its first position and including a front contact of the first mentioned relay and a back contact of the second relay in series, and a second operating circuit for operating the signal to its second position and including a back contact of the first mentioned relay and a front contact of the second relay in series.

2,069,906
WELDING ROD
Eugen Vaders, Frankfort-on-the-Main, Germany
No Drawing. Application July 27, 1935, Serial No. 33,556. In Germany April 17, 1935
10 Claims. (Cl. 219—8)

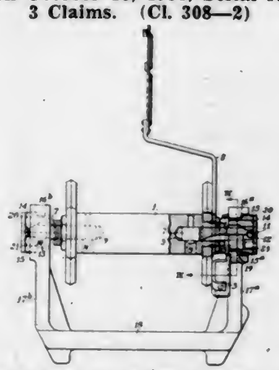
1. As a new article of manufacture, a welding rod constituted of at least 95% of copper, about 0.01% to about 2% of antimony, about 0.01% to about 1.5% of a deoxidizing agent, and an addition agent containing at least one element of the group consisting of nickel, cobalt, manganese, tin and arsenic constituting the rest.

2,069,907
APPARATUS FOR INSTALLING TUBULAR RIVETS
Harry E. Waner, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 11, 1935, Serial No. 30,889
8 Claims. (Cl. 218—19)



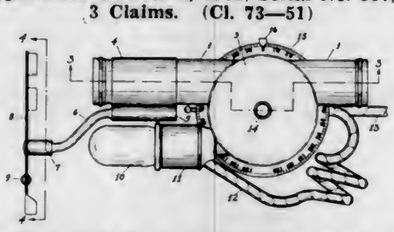
1. Apparatus for installing internally threaded tubular rivets, said apparatus comprising an anvil for holding the rivet in place, a draw rod extending through the anvil and adapted to engage in the threaded portion of the rivet, and means for effecting a longitudinal movement of the draw rod with respect to the anvil to collapse the rivet.

2,069,908
BEARING
Wesley B. Wells, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 16, 1934, Serial No. 748,506
3 Claims. (Cl. 308—2)



1. A bearing for horizontal shafts comprising in combination with the shaft, a groove formed in the lower side of the shaft and extending inwardly from the end of the shaft and a socket formed in the end of the shaft, an outer sleeve mounted in a hole in a bearing support and surrounding the end of the shaft, an inner sleeve surrounding said shaft with a limited amount of clearance within said outer sleeve and provided in its lower portion with a slot, a knife edge member disposed within said slot and having its knife edge extending into the groove in said shaft, a steel ball disposed in said socket in the end of said shaft, and an end plate cooperating with said sleeves to hold said sleeves in place in said support, and with said steel ball to prevent endwise movement of said shaft in one direction.

2,069,909
WATCH SYNCHRONIZER
Emil A. Wick, Brooklyn, N. Y., assignor to Magnus Bjorndal, Jersey City, N. J.
Application October 8, 1931, Serial No. 567,643
3 Claims. (Cl. 73—51)



1. In a portable instrument for the location and determination of faults or errors in watches the combination of a support having a telescope mounted thereon for observing an oscillating part of a watch, a holder movably supported on and adjustable around said telescope for holding the time piece in various positions, a stroboscopic shutter rotatably mounted on said support and positioned to intercept the line of sight of said telescope, a synchronous motor rotatably mounted on said support for rotating said shutter, a dial rigidly mounted upon said support, an indicator connected by a frictional connection to the stator of said synchronous motor to indicate its position relative to said fixed dial.

2,069,910
METHOD FOR SHRINKING CLOTH
Henry A. Woodhead, Graniteville, S. C.
Application November 24, 1934, Serial No. 754,575
33 Claims. (Cl. 26—19)

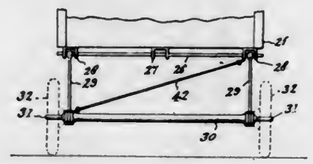


1. An apparatus for imposing a preshrunk condition on a fabric web which has been subjected to preliminary processing operations comprising; means for wetting the web whereby it is rendered in a plastic condition; retaining means engaging the web to prevent undulations in its surface; means receiving the web from said wetting means for mechanically working and repositioning its yarns while cooperating with said retaining means to effect a warpwise compression of the web and to relieve warp tension imparted thereto in said preliminary processing operations; means for taking up the web from said working means and stretching it weftwise to substantially the width desired in the final

preshrunk fabric; other retaining means preventing undulation of the surface of the web; other means receiving the web from said stretching means for mechanically working and repositioning its yarns while cooperating with said other retaining means to effect a warpwise compression of the web to a condition in which the weft and warp yarns thereof are substantially in a state of equilibrium and immune to contraction in a subsequent laundering operation; and means receiving the web from said last working means for drying and setting the web in its preshrunk condition.

31. A process for preshrinking a fabric web by performing a series of working operations on said web to cause readjustment of its component yarns to a condition adapted to minimize change in its superficial dimension during a subsequent laundering operation which comprises plasticizing the web, mechanically working the web while holding its surface against undulation to over-compress the web warpwise, and stretching the web to reduce the compression an amount sufficient to obtain a final fabric product having dimensions equivalent to a web in equilibrium and substantially free from further dimensional change upon laundering.

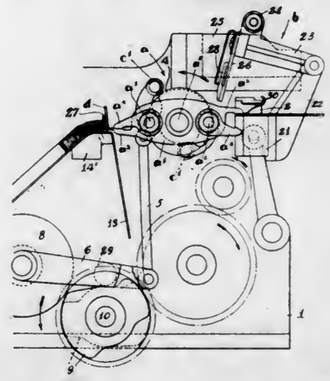
2,069,911
VEHICLE SUSPENSION
Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie, Clermont-Ferrand, France, a corporation of France
Application March 23, 1935, Serial No. 12,697
In France July 30, 1934
3 Claims. (Cl. 267—57)



1. In combination with a vehicle body, an axle, a pair of spaced apart substantially horizontal arms secured at one end to said axle, a torsional rod connecting the opposite ends of said arms together, means engaging the body and the rod in substantially the center thereof to hold the longitudinal center of said rod against rotation, and bearings for the ends of the rod fixed to the body and engaging on opposite sides of said opposite ends of the arms to rotatably support the ends of the rod from the body.

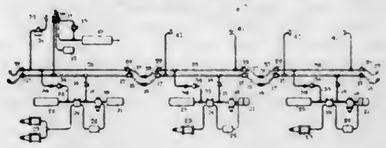
2,069,912
MACHINE FOR MAKING CARPETS AND OTHER TUFTED OR PILED PRODUCTS
Cecil Charles Brinton, Kidderminster, England
Application October 17, 1935, Serial No. 45,518
In Great Britain September 26, 1934
9 Claims. (Cl. 112—79)

1. In a machine for making tufted fabrics and the like, a retractable yarn-carriage which in its advanced position delivers yarn to two yarn-grippers alternately, means operating when said yarn-carriage is in its retracted position for cutting tufts from the yarn thus delivered to one or other of the yarn-grippers, a tuft-transferring unit, which includes said yarn grippers, associated with said yarn-carriage, said tuft-transferring and gripper unit being adapted to receive yarn tufts from said yarn-carriage, means for receiving yarn tufts from said unit and incorporating them into a tufted fabric or the like, means for operating said unit to bring the unit to rest so that one gripper is in the tuft-receiving position with respect to the said yarn-carriage and the other gripper is simultaneously in the



tuft-delivery position with respect to said tuft-receiving means, and means for closing the grippers when in said tuft-receiving position and opening the said grippers when in said tuft-delivering position, the means for opening and closing one jaw being independent of the means of opening and closing the other jaw.

2,069,913
PNEUMATIC SIGNAL SYSTEM
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application June 10, 1935, Serial No. 25,923
5 Claims. (Cl. 116—55)

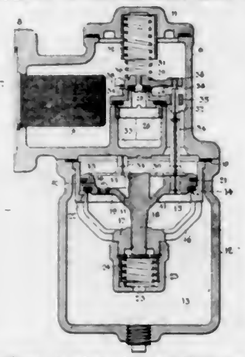


1. The combination of a train signal pipe; a signal device adapted to respond to reductions of signal pipe pressure; means connected with said signal pipe and arranged to supply air at substantially uniform pressure and at restricted rate to the signal pipe at a plurality of spaced points in the length thereof; and at least one normally closed valve operable to vent the signal pipe.

2,069,914
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 29, 1936, Serial No. 82,613
4 Claims. (Cl. 303—1)

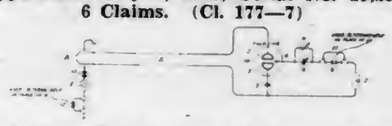
1. In a fluid pressure brake system, the combination of means forming a flow controlling choke, and a bypass therearound distinct therefrom; and pressure responsive means for opening and closing the bypass, the parts being so

arranged that the choke controls the rate of flow when the bypass is closed, and flow through the



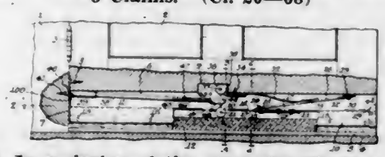
bypass exercises a cleaning action on the choke when the bypass is open.

2,069,915
SIGNALING SYSTEM
William Hopple Edwards, Great Neck, and Clair William Halligan, New York, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application May 1, 1935, Serial No. 19,293
6 Claims. (Cl. 177—7)



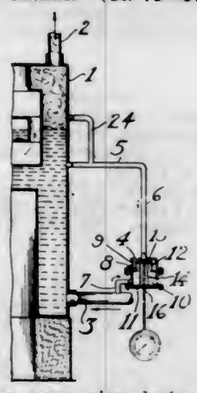
1. A signaling line, means for applying regularly interrupted signaling current thereto, a gas filled discharge tube of the cold cathode double gap type having two cathode electrodes and an anode, said cathodes being connected to said line whereby a discharge will take place between said cathodes when such signaling current is applied to said line, an anode circuit for said tube so arranged that when a discharge is started between said cathodes a pulsating discharge will be started between said anode and one of said cathodes resulting in the flow of a pulsating current in said anode circuit, and adjustable means in said anode circuit controlled by the duration of the flow of pulsating current therein for preventing the recurrence of said pulsating discharge between said anode and one of said cathodes.

2,069,916
WEATHER STRIP
Clarence M. Eveleth, River Forest, Ill.
Application February 15, 1935, Serial No. 6,738
3 Claims. (Cl. 20—68)



1. In a device of the class described, a wind check mountable for transverse movement in a closure hinged to a jamb, a member engaging one end of the wind check to limit the longitudinal movement of the wind check in one direction, means for securing said member detachably to the closure, a radius arm one end of which has sliding engagement with the closure, releasably interengaged elements on the wind check and on the radius arm, forming a pivotal connection between the radius arm and the wind check and cooperating to limit the longitudinal movement of the wind check in an opposite direction, the wind check being movable longitudinally in the first specified direction, when said member is detached from the closure, thereby to disengage the interengaged elements and to permit the wind check to be removed from the closure, spring means for retiring the wind check with respect to the closure, the spring means being connected to the intermediate portion of the radius arm, means for connecting the spring means to the closure, and jamb-engaging mechanism for advancing the wind check with respect to the closure, when the closure is closed.

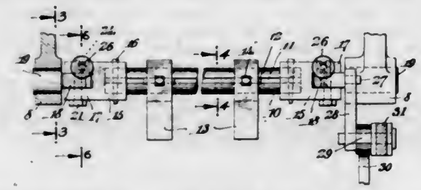
2,069,917
LIQUID LEVEL INDICATOR
Herbert G. M. Fischer, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 29, 1934, Serial No. 759,613
2 Claims. (Cl. 73—54)



1. A pressure responsive device comprising a vertical casing, an annular wall transversely disposed therein forming upper and lower chambers, an annular cover plate for the lower end of said casing having a central opening of substantially smaller diameter than that of the transverse wall and means for communicating pressure to said upper and lower chambers, a cylindrical resilient member of a diameter substantially equal to that of the opening in the transverse wall mounted on said wall concentrically with said opening and extending into the upper chamber to an intermediate point therein, a cylindrical resilient member of diameter substantially equal to that of the opening in the cover plate mounted on said plate concentrically with said opening and extending upwardly to the level of the upper end of the resilient member in the upper chamber, a diaphragm secured to the upper ends of said resilient members and a rod secured to the under side of said diaphragm extending downwardly out of said casing without frictional engagement with any portion thereof.

2,069,918
STOP GUIDE ADJUSTMENT FOR PRINTING PRESSES
William Gegenheimer, Brooklyn, N. Y., assignor to Willard Manufacturing Corporation, New York, N. Y., a corporation of New York
Application August 26, 1936, Serial No. 98,093
11 Claims. (Cl. 271—60)

1. A stop guide mechanism for presses, a cylinder to receive sheets, a shaft arranged above said cylinder and parallel with the axis thereof, guide arms depending from said shaft, trunnions supporting said shaft, means for moving said shaft relative to said trunnions and parallel with

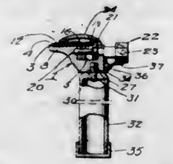


the direction of movement of said sheet, a cam on said cylinder, a link connected eccentrically with one of said trunnions, and a roller on said link riding on said cam.

2,069,919
PRINTING PROCESS
Richard Walter Hardacre and Alec Wormald, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 24, 1934, Serial No. 749,820. In Great Britain November 2, 1933
6 Claims. (Cl. 8—5)

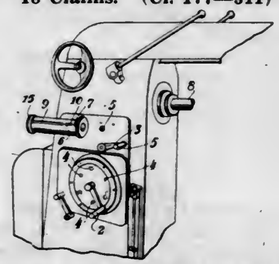
1. The process of producing printed textile materials having vat colors and azo colors in the same pattern which comprises printing on a textile material with a printing paste containing a water-soluble diazoimino compound and an ice color coupling component and in the same pattern printing a vat color printing paste containing an insoluble vat color together with ferrous sulfate and a small amount of stannous chloride but not containing an alkali, then developing the azo dye and simultaneously aging the vat dye by subjecting the printed material to the action of steam containing the vapors of a volatile acid, and finally developing the vat dye by treatment with an alkali.

2,069,920
SAFETY RAZOR
Charles P. Keighley, Pitman, N. J.
Application December 3, 1935, Serial No. 52,726
17 Claims. (Cl. 30—59)



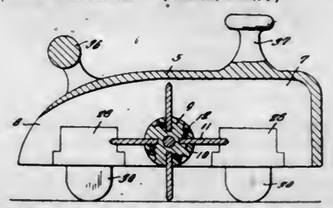
1. In a safety razor, a frame structure including a flat blade supporting portion and a skin guard, said blade supporting portion having a slot opening thereto, an element movable within said slot, a blade carrier removably supported by the blade supporting portion of the frame in cooperative relation with said skin guard, means forming a part of said blade carrier member extending inwardly of the slot and engaging said element, and means operable to vary the relative position of the element with respect to said slot to adjust the blade carrier relative to the skin guard.

2,069,921
MACHINE TOOL FOR PERFORMING OPERATIONS ON METAL OR OTHER SUBSTANCES
Guy Leslie Murray, Leeds, England, assignor to Murray Colour Controls Limited, London, England, a company of Great Britain and Northern Ireland
Application February 6, 1935, Serial No. 5,286
In Great Britain February 8, 1934
18 Claims. (Cl. 177—311)



1. In a machine tool, a plurality of control handles each movable to different positions to control the operation of the machine, and an indicator at each different position of each handle for facilitating the adjustment thereof, said indicators being of different color and each indicator for a handle being a color differing from the color of all other indicators for that handle.

2,069,922
CHANNELING MACHINE
Eric E. Olson, New York, N. Y.
Application March 14, 1936, Serial No. 68,945
5 Claims. (Cl. 262—20)

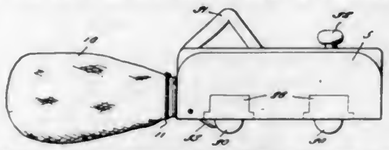


1. A channeling tool of the character described comprising a hollow hood having its open side facing downwardly, a channeling wheel rotatably mounted within the hood and having the blades thereof adapted to project outwardly through the open bottom of the hood to engage the work, a prime mover mounted within the hood, power transmission means connecting the prime mover with the wheel for driving the latter, skids supporting the hood at opposite sides of the hood, and resilient means connecting the skids and hood in a manner to resiliently support the hood for vertical movement relative to the skids to control the digging depth of the blade of the channeling wheel.

2,069,923
CHANNELING MACHINE
Eric E. Olson, New York, N. Y.
Application June 27, 1936, Serial No. 87,795
5 Claims. (Cl. 262—20)

1. A channeling tool of the character described comprising a hollow hood having its open side facing downwardly, said hood being provided with a longitudinal partition dividing the hood into two chambers, one of said chambers having an outlet neck at one end thereof, and a flexible bag hav-

in separable body and neck sections, said neck section being sleeved on said outlet and detachable fastener means connecting said neck section with the body section of the bag; a channeling



device rotatably mounted within said one compartment, and a power device for said channeling device mounted in the other of said compartments and having driving connection with said channeling device.

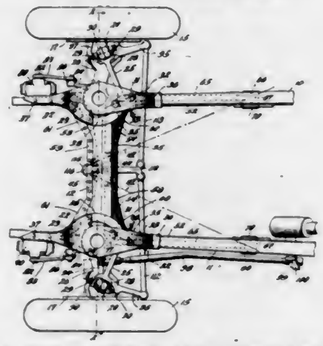
2,069,924

MOTOR VEHICLE FRAME

Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application January 19, 1934, Serial No. 707,391

10 Claims. (Cl. 280—106)



1. In a motor vehicle, the combination with generally longitudinally extending side frame members, said frame members defining a common, substantially horizontal plane with the forward portions thereof lying wholly in said plane, the forward portion of said members being generally straight as viewed in plan, but being deformed to provide an inwardly directed, generally U-shaped portion united with the straight portions on either side thereof, of members bridging the inwardly extending portions of said side frame members and secured to the generally straight portions thereof, said last named members lying generally in the vertical planes defined by the straight portions of said side frame members.

2,069,925

DYEING LEATHER

George R. Pensel, Amsterdam, N. Y.

No Drawing. Application March 23, 1933, Serial No. 662,383

9 Claims. (Cl. 8—5)

1. In a process of dyeing leather, in combination, the steps of applying an acid solution of methanol to leather which has been fat-liquored, removing the excess of said solution, applying the coloring material, removing the excess coloring material, applying an aqueous solution of basic chromium sulphate and cream of tartar, and then washing and finishing the leather.

9. In a process of dyeing leather upon one side only of the skin, the steps of applying to the side of the skin which is to be dyed by surface application a quantity of an accelerating and fastening agent, consisting of a methanol solution of an acid selected from the group consisting of formic, acetic, lactic, oxalic, citric, tartaric, maleic, phosphoric, and malic, then applying an aniline dye solution by surface application whereupon the dye will be set before it can penetrate through the skin to the opposite side which is to be maintained in an undyed condition, and then effecting a further application of said acid methanol solution to the dyed surface of the leather to set the excess dye.

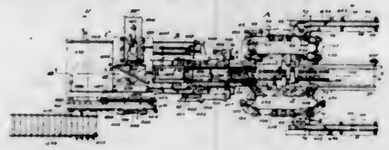
2,069,926

PACKING MACHINE AND METHOD OF PACKING

Robert E. Read, White Plains, N. Y.

Application September 12, 1933, Serial No. 689,098

41 Claims. (Cl. 226—14)



1. In a bottle packing machine, means to supply a plurality of lines of upright bottles to said machine, means to supply a holder to said machine, and means to remove bottles alternately from each of said lines and to position said bottles upon their sides within said holder.

3. In a packing machine, means to place articles in holders, means to form a stack of a plurality of said holders, means to compress said stack, and means to place said stack within a carton.

41. In a machine for packing articles, means for elevating a holder containing articles positioned therein, means to retain said filled holder in elevated position comprising opposed arms and a shelf carried by each arm, and means to spread said arms as said elevating means approaches its highest point and to cause converging of said arms as said elevating means reaches its highest point, said shelves being pivotally mounted upon said arms so as to yield in case said holder should contact therewith in its upward travel, the weight of said shelves being so distributed as to cause them to fall back into proper position after said holder has been lifted thereabove by said elevating means.

2,069,927

COMPOSITIONS OF MATTER

Edmund O. Rhodes, Pittsburgh, and Hugh E. Gillander, Jr., Ingram, Pa., assignors, by mesne assignments, to Koppers Company, a corporation of Delaware

No Drawing. Application November 21, 1934, Serial No. 754,174

22 Claims. (Cl. 196—152)

1. A composition of matter comprising a fluxed, homogeneous, stable tar product containing pyrogenous distillate tar or tars selected from a group consisting of coke oven tar, gas-works retort tar, low temperature coal tar, blast furnace tar, water gas tar, and oil gas tar; and a low-boiling cracked petroleum product in sufficient amount to cut back the tar, the said fluxed tar product being substantially free from a precipitate that forms when aliphatic hydrocarbons alone are added to pyrogenous distillate tar.

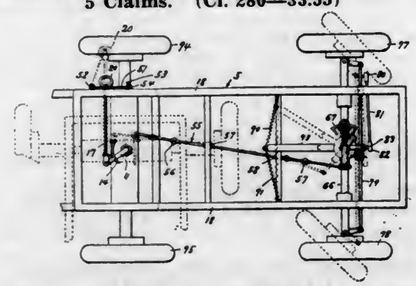
2,069,928

DIRIGIBLE TRAILER

Charles Runyan, Great Meadows, N. J.

Application March 16, 1936, Serial No. 69,229

5 Claims. (Cl. 280—33.55)



1. In combination, a trailer having rear wheels only and having a first horizontal support member fastened at its front, a second horizontal member adapted for mounting on a tractor vehicle and being adapted to be engaged with said first horizontal support to afford mutual support and to permit rotation relative to each other on a vertical axis when said tractor vehicle is turned relative to the trailer, a rigidly mounted axle on the rear of said trailer, steering knuckles on the ends of said rigid axle and mounting said rear wheels, steering arms on said knuckles, a tie-rod extending between said steering arms, a drag link having one end connected to said tie-rod, a rotatable member having a radially outwardly extending arm connected to the remaining end of said drag link, said rotatable member having a radially outwardly extensible arm, and an operating rod extending between and having its opposite ends respectively connected to an eccentric part of said first horizontal member and the outer end of said extensible arm.

2,069,929

COMPOSITION OF MATTER

John H. Swanberg, Minneapolis, Minn., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware

No Drawing. Application January 17, 1935, Serial No. 2,267

9 Claims. (Cl. 196—152)

7. A composition of matter comprising a fluxed bituminous product containing constituents of pitch of pyrogenous distillate tar or tars selected from a group consisting of coke oven tar, gas-works retort tar, low temperature tar, blast furnace tar, water gas tar, and oil gas tar; and a mixture containing aliphatic hydrocarbon oil of relatively low boiling point and originating from petroleum oil, and an aromatic hydrocarbon oil of relatively low boiling point and originating from coal tar, the said mixture containing a major proportion of the said aliphatic oil, and the said bituminous product being substantially free from precipitate that forms when aliphatic hydrocarbon oil alone is added to the said pitch.

2,069,930

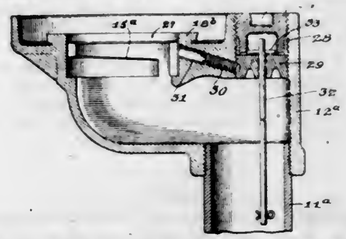
FILLING MEANS FOR SUBTERRANEAN TANKS

Frank A. Talbot, Baltimore, Md., assignor to Chambers, Bering, Quinlan Co., Decatur, Ill., a corporation of Illinois

Application June 2, 1933, Serial No. 674,105

3 Claims. (Cl. 220—86)

1. A combined fill and gauging box for subterranean tanks, comprising a fitting having an upper filling port and a lower filling port offset relatively to one another, a gauging port in the fitting above the lower filling port, a threaded



plug closing the gauging port, a lock screw holding the plug in place, said screw being arranged in an aperture which leads into the upper filling port, and a gauge rod slidable in said plug.

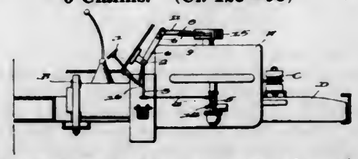
2,069,931

IGNITION TIMER CONTROLLING MECHANISM

Rolland S. Trott, Denver, Colo.

Application November 30, 1931, Serial No. 578,115

6 Claims. (Cl. 123—98)



4. A spark control for an internal combustion engine comprising an accelerator shaft having an accelerator pedal connected therewith, spark and throttle arms mounted on said shaft, throttle actuating means connected with the throttle arm, resilient means tending to move the throttle actuating means to throttle closing position, a timer arm, a stop located in the path of the timer arm limiting movement of the timer arm to spark advanced position, extensible means connecting the timer arm with the spark arm, and resilient means connected directly with the timer arm tending to move said arm toward the stop.

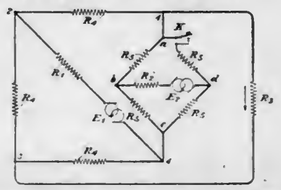
2,069,932

ELECTRICAL SYSTEM

William Tylee Wintringham, Chatham, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application January 28, 1936, Serial No. 61,216

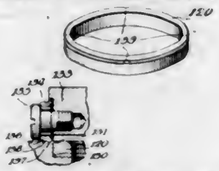
2 Claims. (Cl. 178—68)



2. In an electrical system, a double Wheatstone bridge comprising an outer bridge and an inner bridge forming one arm of the outer bridge, a first source of electrical energy connected across the outer bridge, a second source of electrical energy connected across the inner bridge, a switch for opening and closing one arm of the inner bridge, and a work circuit connected across

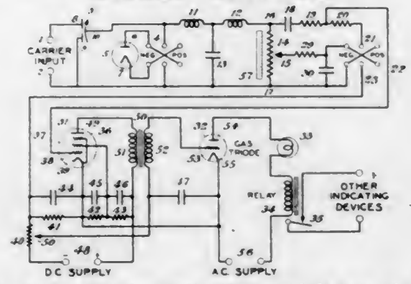
the conjugate terminals of the outer bridge, the resistance values of the arms of the two bridges being such that when the switch is closed the energy from the first source alone is impressed on the work circuit and when the switch is open the energy from the second source alone is impressed thereon, whereby the outputs of the two sources may be applied alternately to the work circuit without substantial lapse of time between the removal of one and the application of the other.

2,069,933
METHOD OF RECONSTRUCTING VALVE SEATS
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application December 14, 1931, Serial No. 580,967
1 Claim. (Cl. 29—156.7)



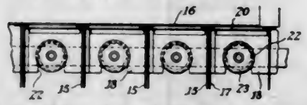
The method of reconstructing valve seats for internal combustion engines which comprises cutting a substantially cylindrical recess in the engine block surrounding the valve seat opening, placing above said opening a metal ring slightly larger than said recess but substantially complementary in shape to said recess, said ring having its lower outer corner beveled, guiding said ring into said recess while forcing said ring into said recess by impact, said ring being retained in said recess by frictional engagement of its periphery with the wall of said recess, the upper outer corner of said ring being beveled to form a groove with the wall of said recess and forcing the metal of said engine block over the top of said ring adjacent its outer edge to secure said ring in said recess, said ring being formed with a plurality of radially extending slots on the beveled surface of its upper outer corner and the metal of said engine block being forced into said slots to prevent rotation of said ring.

2,069,934
MODULATION METER
Lawrence Baker Arguimbau, Cambridge, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application November 4, 1935, Serial No. 48,179
12 Claims. (Cl. 179—171)



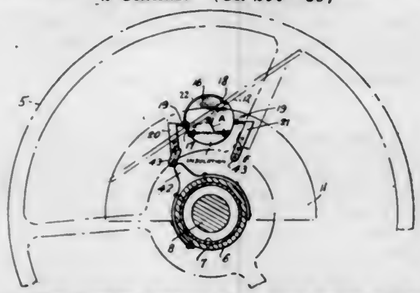
1. Apparatus for indicating modulation of carrier voltage in excess of a predetermined value including means for deriving from the carrier voltage a direct voltage substantially proportional to the average carrier amplitude, means for deriving from the carrier voltage a voltage having no direct component and corresponding to the modulation, indicating means, means for applying in variable ratio the sum of the two derived voltages to the indicating means, and means for varying the said variable ratio in accordance with the said predetermined value of modulation.

2,069,935
BALLOON SHIELD FOR CAP SPINNING MACHINES
Stephen M. Bear, Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application June 26, 1935, Serial No. 28,531
4 Claims. (Cl. 118—11)



1. In a machine for winding yarn on bobbins, the combination with a frame, a plurality of yarn winding devices thereon and each including a fixed part and a relatively movable part, one of said parts supporting a bobbin, and a traverse member movably mounted on said frame and for supporting the relatively movable parts of said winding devices, of a plurality of shields on said traverse member, each shield including two adjoining side walls in angular relation for forming with one wall of an adjacent shield a three-sided compartment for each winding device.

2,069,936
DIRECTION INDICATOR SWITCH
Stephen M. Becmer, Bayonne, N. J.
Application March 27, 1934, Serial No. 717,629
2 Claims. (Cl. 200—59)



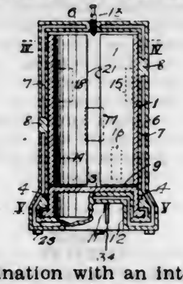
1. The herein described improvement in direction indicator switches, comprising a steering wheel, a shaft fixed to the wheel, a stationary housing for said shaft, a protuberance on the wheel, a plate fixed to said housing adjacent the protuberance, switch levers having inner and outer arms spaced apart and fulcrumed on said plate the inner arms being arranged in the path of the protuberance, a pin journaled in said plate, a disk disposed parallel to the plate and fixed to said pin and having a contact section at its periphery, said contact section being provided with spaced notches to seat the outer arms of the switch levers, a spring action for automatically returning the disk to a normal central position, and a hand bar fixed to said pin and through the medium of the same to the disk and extending in opposite directions from the pin.

2,069,937
METHOD OF SECURING BUNG BUSHINGS
John Oliver Black, Detroit, Mich.
Application August 7, 1933, Serial No. 683,953
3 Claims. (Cl. 29—148.2)



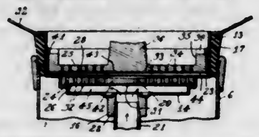
1. The method of securing a bung bushing in a barrel which consists in providing an inner wall with an opening, providing an annular bushing with a circumferential groove, welding the end of said bushing in the opening in the inner wall, providing a sectional outer wall with complemental openings, and welding the sections of the outer wall together while holding the metal immediately adjacent to the complemental openings extending into the groove.

2,069,938
ROTARY OR SLEEVE VALVE USED IN COMBUSTION CHAMBERS
Francis M. Brooke, Bryn Mawr, Pa., assignor to Nanna S. Brooke, Bryn Mawr, Pa.
Application October 25, 1933, Serial No. 695,084
7 Claims. (Cl. 60—44)



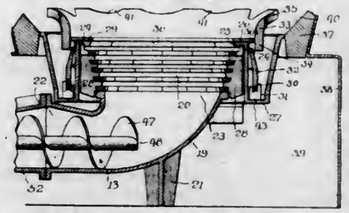
1. The combination with an internal combustion chamber, having an inlet port and relatively-staggered exhaust ports, of a sleeve-valve rotatable therein, said sleeve-valve having a transverse wall proximate one end and subdividing it into major and minor sections, the major section being split by a longitudinal cut-out and substantially-separated from the minor section by a segmental-circumferential narrow slot adjoining the transverse dividing wall, the minor section being cylindrical and embodying means whereby the valve is rotatable, and the narrow slot aforesaid serving to permit of the valve major section expanding under heat while its longitudinal slot consecutively-controls the staggered exhaust ports.

2,069,939
COFFEE MAKER
George Browning, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application December 30, 1935, Serial No. 56,661
10 Claims. (Cl. 53—3)



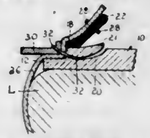
1. The combination in a vacuum type coffee maker of upper and lower chambers, a tube connecting the bottom of the upper chamber with the lower chamber for conducting liquid between said chambers, an annular step in said upper chamber adjacent the bottom thereof, a filter paper spanning said chamber and overlapping said step at its edges, an upper perforate plate seated loosely on said step and confining the edges of said paper, said plate being of such weight as to be lifted by the upward surge of liquid for the passage of liquid along its annulus and a lower perforate plate for supporting the central portion of said paper.

2,069,940
MECHANICAL STOKER
Warren D. Burton, Goshen, Ind., assignor, by mesne assignments, to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application June 18, 1931, Serial No. 545,210
11 Claims. (Cl. 110—45)



10. In coal burning apparatus, in combination, a retort comprising a stationary annular tuyère structure and a rotative ring encircling the upper portion of the tuyère structure and forming an upward continuation thereof, means for rotating said ring, and an ash receiving channel positioned beneath the outer periphery of said ring.

2,069,941
METHOD OF MAKING SHOES
James Cantelmo, Beechurst, Long Island, N. Y.
Application April 1, 1935, Serial No. 14,033
2 Claims. (Cl. 12—142)



1. The method of making shoes which comprises mounting on a last a shouldered and channeled insole having a tape attached to its between substance, lasting an upper and attaching the marginal edge portions thereof to said tape, securing a welt and said upper and insole together by stitching disposed in said channel and extending through said between substance, and then trimming off said tape and marginal edge portions of the upper close to the channeled surface of said insole.

2,069,942
SUCTION CUP
Joseph H. Cohen, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application August 17, 1935, Serial No. 36,684
1 Claim. (Cl. 248—206)

A soft rubber suction cup having an inner wall substantially smoothly spherically curved all over, such curvature extending to substantially the periphery of the cup, said cup having an outer wall interrupted by an annular groove substantially

concentric with the center of the cup and spaced inwardly of the periphery thereof, there being a diminution of thickness of the cup all around the same from a substantially central portion thereof to said groove and a further and a gradually and substantially uniform diminution of thickness of the cup all around the same beyond said groove and substantially to the periphery of the cup, the annular portion of the outer wall of the cup beyond said groove and the inner wall of the cup so approaching each other toward the periphery of the cup that at said periphery the cup has a side wall at least as wide as said groove is deep, thereby so to distribute and relatively affect the

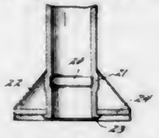


flexibility of the various rubber masses of the cup relative to said groove that on compressing the cup against the surface to which it is to be attached by suction the outer marginal portion of the substantially spherically curved inner wall is flattened to a substantially plane disposition all over and to a true plane disposition at an inner annular subdivision of said marginal portion, said inner annular subdivision being wider than said groove and establishing an annular zone of grip for the cup likewise wider than said groove, while at the same time the remainder of said marginal portion is held substantially flat against said support.

2,069,943
TREATMENT OF CELLULOSIC MATERIALS
Henry Dreyfus, London, England
No Drawing. Application July 13, 1933, Serial No. 680,251. In Great Britain July 27, 1932
9 Claims. (Cl. 92—11)

1. Process for the treatment of lignocellulosic materials, which comprises treating such materials with a dilute solution of caustic alkali of 1 to 5% concentration and subsequently subjecting them to treatment with an acid solution of sulphur dioxide, the treatments being carried out at an elevated temperature of 100–180° C.

2,069,944
SPOOL
Charles K. Dunlap, Hartsville, S. C., assignor to Sonoco Products Company, Hartsville, S. C., a corporation of South Carolina
Application November 27, 1934, Serial No. 755,041
1 Claim. (Cl. 242—122)



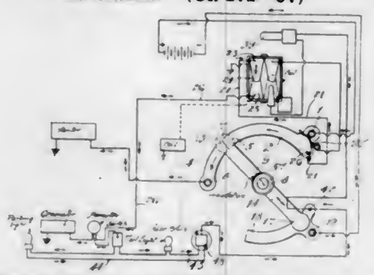
A spool comprising a head and barrel, the head having a cylindrical aperture formed therein, the barrel having a cylindrical outer surface closely fitting the cylindrical aperture in the head and portions projecting axially thereof in both directions from the area of contact of the barrel and head, one such portion being a thread receiving portion and the other a head locking portion, the barrel being a truly cylindrical laminated paper tube save in that the locking portion thereof has an annular diametrically enlarged but circumferentially continuous section intermediate the area of contact of the head and barrel and the end of the tube providing a head retaining shoulder upon the outside of the barrel and an annular groove interiorly thereof, and an annular reinforcing ring within the groove to brace the enlarged section of the barrel against contraction, the inner diameter of the ring being substantially the same as the inner diameter of the barrel.

2,069,945
TEXTILE ROLL
Charles K. Dunlap, Hartsville, S. C., assignor to Sonoco Products Company, Hartsville, S. C., a corporation of South Carolina
Application June 4, 1935, Serial No. 24,945
1 Claim. (Cl. 19—143)



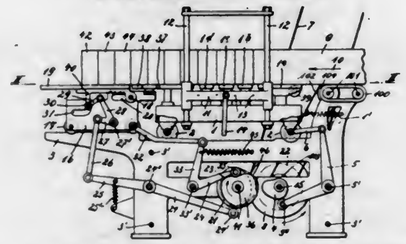
A cover for a textile roll comprising a cylindrical tube having annular end surfaces and a cylindrical working surface, said tube being fabricated of artificial cork, the cylindrical working surface of the roll constituting principally the exposed uncovered surfaces of the individual grains of natural cork, and the annular end surfaces of the roll being completely covered by closely adhering, hard, smooth coatings of a lacquer-like material, such coatings preventing the catching of yarn or thread upon said end surfaces, and preventing the penetration of moisture and the flaking off of cork granules.

2,069,946
SWITCH
Baltis Arthur Durham, Nutley, N. J.
Application January 30, 1935, Serial No. 4,038
15 Claims. (Cl. 171—97)



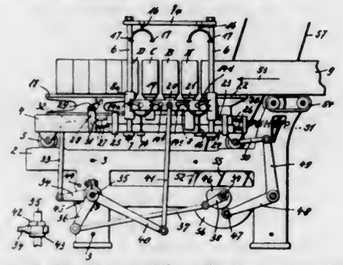
1. In an electrical system for automotive mechanism including starter, ignition, generator and lighting circuits, a control device for said circuits comprising a first contact having a wire connection to a starting motor, a second contact having a wire connection to a load and to a first battery terminal, a third contact, a fourth contact having a wire connection to a second battery terminal, a circuit-breaker coil having a wire connection to the third contact, a switch for the load circuit adapted to be operated by the coil, a switch for the coil circuit adapted to be operated by the coil, means for holding said switches in open position, an insulated movable switch member for connecting the starting motor and circuit-breaker coil to the first battery terminal contact, and a grounded movable switch member for connectin' the second battery terminal contact to ground, said switch members being movable successively to close the motor starter circuit, to close the load circuit, and to close the circuit-breaker coil circuit while opening the battery switch.

2,069,947
MACHINE FOR SHEARING BLOCKS FROM AN EXTRUDED COLUMN OF PLASTIC MATERIAL
Ernst Frey, Chur, Switzerland
Application March 7, 1935, Serial No. 9,755
In Switzerland October 24, 1934
15 Claims. (Cl. 25—108)



1. In an automatic machine for shearing blocks from a column of clay in combination, a shearing frame, means for operating said frame, a grouping carriage mounted for reciprocatory motion, a grouping table arranged on said carriage and means for positively advancing said table, when a grouping operation is started, together with the column of clay under treatment and for positively moving said table in a direction opposite to the direction of travel of the column of clay, after the grouping operation is ended.

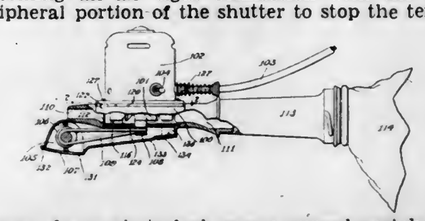
2,069,948
CLAY CUTTING DEVICE
Ernst Frey, Chur, Switzerland
Application March 7, 1935, Serial No. 9,756
In Switzerland October 6, 1934
15 Claims. (Cl. 25—108)



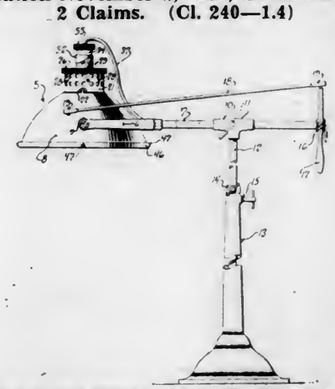
1. Automatic clay cutting device comprising in combination, clay feeding means, a carriage, a plurality of cutters arranged for reciprocation at substantially right angles to said carriage and automatically operative means for angularly displacing part of said cutters between two cutting operations in the direction of feed.

2,069,949
VACUUM CLEANER
Benjamin D. Goldberg, Brooklyn, N. Y.
Application July 15, 1936, Serial No. 90,649
18 Claims. (Cl. 15—14)

2. In a vacuum cleaner comprising a casing, a fan within the casing, and a pair of air discharge passages from said casing, a curved shutter between said casing and fan for opening one and closing the other of said passages, said shutter having a peripheral open portion contiguous the casing and also walls substantially normal to the shutter and movable with and forming an air tight connection with the peripheral portion of the shutter to stop the tendency of any air to leak over a curved peripheral edge of the shutter, said normal walls extending inwardly of the fan periphery on each side, and the peripheral portion of the shutter being angularly open to allow insertion and removal of the fan within the shutter when the same is removed from the casing.



2,069,950
SURGICAL LAMP
Ernest H. Greppin, Los Angeles, Calif.
Application November 2, 1933, Serial No. 696,309
2 Claims. (Cl. 240—1.4)

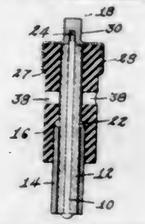


1. In a lamp device of the character described, an illuminating unit including a hollow body having a central opening, a light source, and means to adjustably mount the light source comprising, a supporting head fitted over the central opening of the body, said supporting head including a cylindrical shell, and a wall closing the outer end thereof, said wall having an opening therethrough, a cylindrical sleeve carried by said wall, a lamp socket to receive the light source, a member to carry the socket, said member being slidably and rotatably mounted in said cylindrical sleeve, and cooperating cam means carried by the cylindrical sleeve and said member to effect longitudinal movement of said member and the light source supported thereby upon rotation of said member, said cylindrical sleeve having a split portion frictionally gripping said member to hold the same in any position of adjustment.

2,069,951
SPARK PLUG
Arthur C. Hastings, Jr., Augusta, Maine
Application January 16, 1936, Serial No. 59,351
14 Claims. (Cl. 123—169)

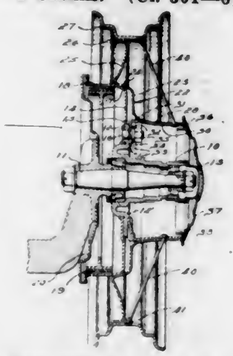
1. A spark plug comprising an outer metallic member having an elongated bore therethrough,

an inner electrode extending through said bore, and a thin layer of heat resisting glass positioned in said bore and substantially filling the space between said electrode and said member to form



an electrical insulating element between said electrode and member and to provide for efficient transfer of heat from said electrode to said member.

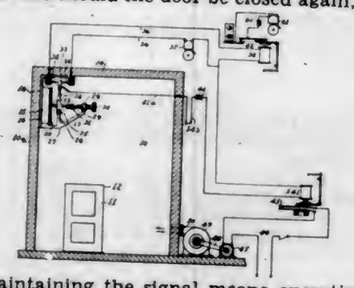
2,069,952
WHEEL
Roscoe C. Hoffman, Detroit, Mich.
Application June 15, 1931, Serial No. 544,497
4 Claims. (Cl. 301—6)



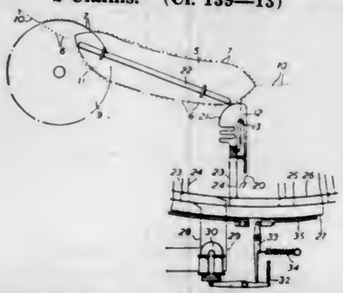
4. A wheel comprising a disc having an axially extending hub covering portion, a reinforcing shell extending axially within the hub covering portion of the disc, spokes extending through the hub covering portion of the disc and secured to the outer end of the shell, means positively connecting the shell to the disc, an inwardly extending flange on the inner end of the shell for securing the wheel to the hub, and a rim mounted on the spokes and the outer edge of the disc.

2,069,953
ENCLOSURE PROTECTING ALARM
Richard M. Hopkins, Rutherford, N. J.
Application November 29, 1930, Serial No. 499,004
5 Claims. (Cl. 177—314)

4. A system for use in combination with a compartment having a door for the ingress and egress of valuables and a pair of openings therein, said system comprising a constant pressure changing means, including a motor therefor, for normally giving to the air in the interior of the compartment a continuous constant pressure, within predetermined limits, different from the exterior pressure; a signal means; and means operated by the pressure of said air in the compartment as long as it departs from said constant pressure beyond said predetermined limits, as when the door is opened, for operating the signal means, cutting off the motor of the pressure changing means, and preventing the pressure changing means from restoring said normal pressure, restarting the motor and silencing the signal means should the door be closed again, thereby maintaining the signal means operating and the motor at rest.



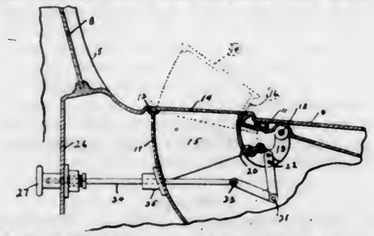
2,069,954
STOP MOTION FOR CIRCULAR LOOMS
Joanny Jabouley and Robert Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application September 18, 1935, Serial No. 41,067
In Great Britain September 21, 1934
2 Claims. (Cl. 139—13)



1. A circular loom comprising a stop mechanism adapted on actuation to stop weaving by bringing to an end relative motion between the shuttles and the warp threads, a detector member movable in a direction transverse to a warp sheet, means adapted to urge the member in that direction so that while the member is normally restrained against movement by the presence of threads in the sheet, it is freed for movement by the absence of threads from the sheet, and means controlled by said detector member and adapted on movement of the member upon detection of missing warp threads to effect actuation of the stop mechanism.

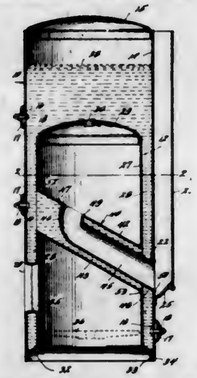
2,069,955
HEAT GATHERER AND DEFLECTOR FOR MOTOR VEHICLES
Richard R. Jackson, Baltimore, Md., assignor of one-half to Alexander M. Knapp, Baltimore, Md.
Application June 14, 1933, Serial No. 675,725
1 Claim. (Cl. 20—40.5)

A heat gatherer and deflector comprising a single piece casing having a rear wall, top wall and side walls, a bracket secured to the top wall at the open end thereof and to the interior of a hood so as to position said casing completely around and about and in close proximity to the rear, top and side portions of an internal combustion engine, the upper wall of the casing provided with openings adapted to register with openings formed in the hood to provide a continuous passage, closures for said hood openings, and means extending through the rear wall of the casing into and beyond the dash of a



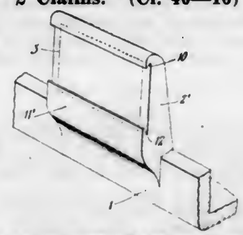
motor vehicle whereby said closures may be opened or closed for the purpose of permitting the heat gathered in the casing to be deflected therefrom when said closures are in open position.

2,069,956
BOILER
Cornelius M. Kelley, Raleigh, N. C.
Application May 1, 1935, Serial No. 19,274
8 Claims. (Cl. 122—174)



1. In a liquid heater or vaporizer of the class described, in combination, a vertical boiler shell, an inner firebox shell, said shells defining between them a substantially annular water space, a combined water and fire tube structure traversing the firebox and serving to directly connect opposite portions of said annular space and also to directly connect the firebox with the exterior of the first named shell.

2,069,957
TRAY
Hugo Klein, Brooklyn, N. Y.
Application March 10, 1934, Serial No. 714,928
2 Claims. (Cl. 40—16)



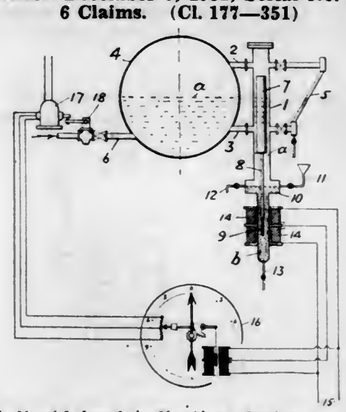
1. A tray, an immovable extension integral with and extending above the sides of said tray, said extension having an overhanging projection at the top and a protruding projection at the bottom, grooves in said projections exteriorly of said tray and adapted to receive insertible price tags, and to frictionally retain same above and exteriorly of the tray.

2,069,958
IMPLEMENT FOR CONDITIONING LAWNS
Alexander Anthon Diemer Kool, Aerdenhout, Netherlands
Application August 7, 1934, Serial No. 738,836
In Great Britain August 11, 1933
2 Claims. (Cl. 55—10)



1. An implement for conditioning lawns by dragging comprising in combination, a large and heavy base plate, a great number of short rigid spikes with blunt ends projecting from one side of and distributed substantially all over said base plate in closely spaced relation, the number and spacing of said spikes being such that they merely move over the surface of the ground without penetrating the same to set up the blades of grass without damaging the roots of the grass, and means for moving said implement over the lawn.

2,069,959
LIQUID LEVEL RESPONSIVE DEVICE
Harry A. Kuljian, Philadelphia, Pa.
Application December 9, 1931, Serial No. 579,839
6 Claims. (Cl. 177—351)



6. A liquid level indicating device comprising a liquid column for connection with a boiler or the like, wherein the liquid level is subject to a considerable range of fluctuation, said liquid column having at the bottom thereof a dead end, mercury in said column beneath the liquid therein, a displacement member received in said column to operate therein, a core of magnetizable material in said column and connected to said displacement member, the densities of said displacement member and of said core being proportioned to the densities of said liquid and the mercury to produce a resultant movement of said displacement member and said core proportional in reduced ratio to changes of liquid level in said column, and means including a remote indicator for exhibiting the position of said core, comprising an impedance balance having a pair of coils ex-

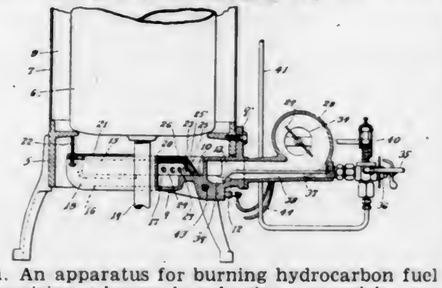
terior to the column at the location of the core, whereby the movement of the core is substantially less than that of the liquid level and is within the effective range of the adjacent coils of the impedance balance.

2,069,960

APPARATUS FOR BURNING LIQUID FUEL

Albert A. La Pointe, Hartford, Conn., assignor to The Universal Oil Burner Company, Incorporated, Hartford, Conn., a corporation of Connecticut

Application December 8, 1933, Serial No. 701,490
6 Claims. (Cl. 158—53)



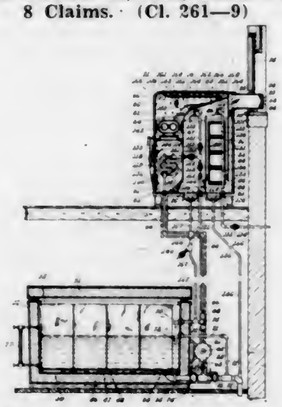
1. An apparatus for burning hydrocarbon fuel comprising, a burner base having a vaporizing receptacle, a superheating chamber, ducts interconnecting the said receptacle and chamber, a combustion groove formed by the walls of said duct and superheating chamber, orifices in the wall of said superheating chamber opening into said combustion groove and disposed to direct the products from the combustion of the gases therefrom against the wall of said ducts, means for supplying fuel to said vaporizing receptacle and means for supplying a proportionate amount of air to be mixed with said fuel vapors formed therein.

2,069,961

AIR CONDITIONING APPARATUS

Joseph A. Martocello, Philadelphia, Pa.

Application October 31, 1934, Serial No. 750,879
8 Claims. (Cl. 261—9)



7. A tank, an ice supporting plate within the tank, cleats supporting said plate in spaced relation to the bottom of the tank, said cleats arranged to form a zigzag water course below said plate, a lid upon the tank, said plate having an inlet opening located adjacent to one end of said water course, an outlet pipe connected with the tank and located adjacent to the opposite end of said water course, a pump connected with said outlet pipe, a fin-type pipe coil, a pipe connection between the pump and said coil, a series of spray nozzles, a pipe connection between said coil and said nozzles, a shut-off valve in the last mentioned pipe connection, a return drain pipe connection between said coil and said tank, a pipe connection between said nozzles and said return pipe connection, a shut-off valve in the pipe connection between the coil and said return pipe connection, a relief valve, a pipe connection between the relief valve and the pump, a pipe connection between the relief valve and the tank, a drain pipe, and an overflow pipe connection between the tank and the drain pipe.

2,069,962

CELLULOSE ORGANIC ESTER COMPOSITIONS CONTAINING ETHERS OF DIOXANEDIOL

James G. McNally and John J. Schmitt, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application May 29, 1936, Serial No. 82,624
10 Claims. (Cl. 106—40)

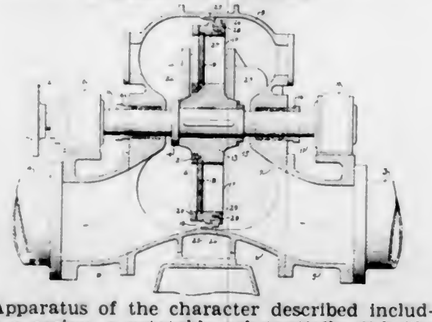
1. A composition of matter comprising a cellulose organic acid ester and a dioxanediol diether.

2,069,963

ROTARY STRAINER

Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 20, 1934, Serial No. 721,447
1 Claim. (Cl. 210—196)



Apparatus of the character described including a casing, a rotatable substantially disk-like device mounted in the casing in position to divide the casing into a pair of chambers one located at each side of the plane of rotation of the device, and a sealing means for preventing fluid flow from one chamber to the other around the periphery of said device, said sealing means including a continuous yieldable ring carried by the rotatable device, and a cooperating rigid ring carried internally of the casing at that side of the yieldable ring which is presented toward the chamber to which it is desired to restrict fluid flow, the casing and said cooperating ring being split in a plane containing the axis of the rotatable device to provide for relative separation of casing parts.

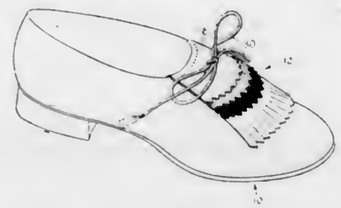
2,069,964

SHOE AND TONGUE THEREFOR

Charles Miller, Long Island City, N. Y.; Ida Gordon Miller executrix of said Charles Miller, deceased

Application April 8, 1935, Serial No. 15,161
4 Claims. (Cl. 36—54)

2. In a shoe, an outer tongue so arranged that its appearance may be changed, said tongue comprising two flaps arranged in superposed relation, the upper flap extending beyond the rear edge of the lower flap, and terminating short of the forward edge of said lower flap, the rearwardly extending portion of the upper flap being secured at



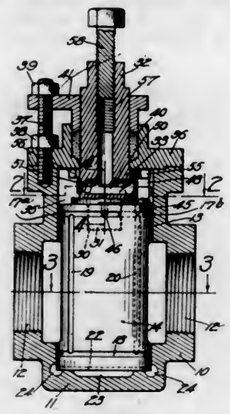
the front of the shoe opening, and a third flap removably interposed between said two flaps and extending beyond the forward edge of said upper flap and terminating short of the forward edge of said lower flap.

2,069,965

LUBRICATED VALVE

French H. Morehead, Boston, Mass., assignor, by mesne assignments, to Walworth Patents, Inc., Boston, Mass., a corporation of Massachusetts

Application October 23, 1930, Serial No. 490,615
11 Claims. (Cl. 251—93)



1. In a valve, the combination of a casing having a passageway, an apertured plug in said casing adapted to be turned to open or close said passageway, a lubricant circuit comprising a reservoir and passages in the seating surface between the plug and casing having an inlet to and an outlet from said reservoir, means for supplying lubricant to said circuit, and means permitting the circulation of lubricant in one direction while preventing its circulation in the opposite direction.

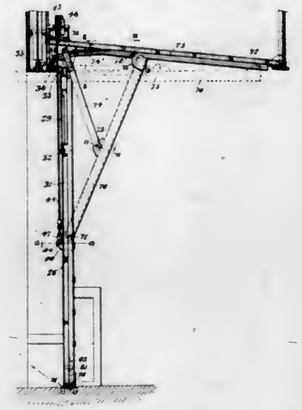
2,069,966

DOOR STRUCTURE

David H. Morgan, Youngstown, Ohio

Application April 12, 1935, Serial No. 16,074
13 Claims. (Cl. 20—19)

1. A building structure having a doorway, a door for the doorway comprising hingedly connected leaves that swing in opposite directions upwardly, a bar pivoted at one end to one of the leaves for directing the swinging movements of the leaves, a guideway along which the other end of the directing bar moves, and a radius rod



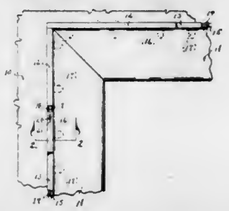
having a fixed pivotal mounting at one end and also having a pivot connection with the directing bar.

2,069,967

ELECTRICAL WIRING AND INSTRUMENT HOLDING CONDUIT

Larkin A. Murray and Wayne H. Hunt, Des Moines, Iowa

Application January 9, 1936, Serial No. 58,336
2 Claims. (Cl. 247—37)



1. In a conduit of the class described, two elongated metallic strips each bent longitudinally of its length; said two strips capable of nesting with each other to form an elongated conduit, and projections on each of said two strips designed to extend between the molding and plaster of a house wall for holding and supporting said two strips.

2,069,968

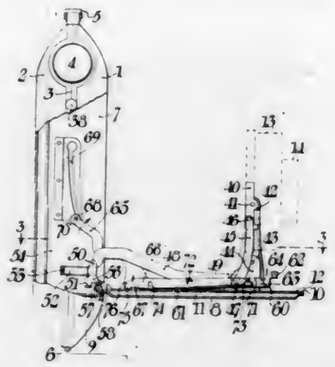
FOCUSING SELF-ERECTING FRONT CAMERA

August Nagel, Stuttgart, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

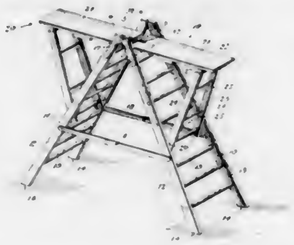
Application March 3, 1936, Serial No. 66,846
In Germany July 19, 1935
7 Claims. (Cl. 95—44)

1. In a focusing camera, the combination with a camera body including a bed hinged thereto, of braces for holding the bed open, a camera front movably mounted on the bed for focusing to and from a normal position in which the camera may fold, a bed release carried by the camera front and movable therewith, arms mounted on the bed and adapted to be engaged by the bed release and

having operative engagement with the bed braces for operating the braces, said bed release engaging said arms only when the camera front lies in a normal position.



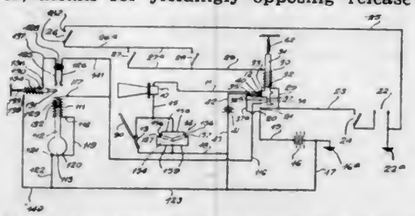
2,069,969
SCAFFOLDING LADDER
Edwin A. Nelson, Bridgeport, Conn.
Application August 29, 1935, Serial No. 33,363
5 Claims. (Cl. 304—3)



1. In combination with an inverted V-type self-supporting painter's ladder having rungs, two scaffolding platforms extending substantially horizontally outward from the outer faces of the upper portions of the backwardly sloping ladder sections, one platform being on each ladder section, and so that they together form one continuous scaffolding and supporting surface having a length at least equal to the separation of the lower portions of said ladder sections; hooks on the underside of each platform to engage the upper of a pair of non-adjacent and remotely separated rungs on a ladder section disposed with a plurality of rungs therebetween; and a strut member pivotally attached to the outer end of each platform for engaging and supporting same from the lower of said pair of rungs on a ladder section.

2,069,970
VEHICLE AND ACCESSORY THEREFOR
William A. Richter, New York, N. Y.
Application November 25, 1930, Serial No. 498,015
10 Claims. (Cl. 177—314)

1. In combination with an automobile having an electric alarm, means for actuating said alarm including a switch, an emergency brake and an emergency brake lever connected to said switch for closing the same upon releasing said brake lever, means for yieldingly opposing release of said lever and means for rendering said opposing means inoperative.



2,069,971
MANUFACTURE OR TREATMENT OF YARNS OR FILAMENTS
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 26, 1934, Serial No. 759,240
6 Claims. (Cl. 28—1)

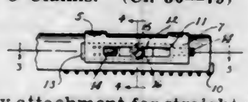
1. Yarns or filaments comprising organic derivatives of cellulose and a lubricant containing egg oil.

2,069,972
SALMON LURE
Fred H. Schroeder, Tacoma, Wash.
Application May 16, 1934, Serial No. 725,920
4 Claims. (Cl. 43—46)



1. A fish lure comprising a lure body composed of a series of separate sections, each of said sections having a slot extending from end to end thereof; and a series of interconnected wire links, each of said links comprising three parts embedded in cement within the slot of the corresponding section, one of said parts extending entirely through the section, the ends of the wire being bent back on itself outside the section, at each end thereof, to reenter the said slot and form the other two parts and to form loops into which the links of the other sections are interlinked.

2,069,973
SAFETY ATTACHMENT FOR A STRAIGHT RAZOR
Walter J. Schultz, Galt, Ontario, Canada
Application February 1, 1934, Serial No. 709,350
In Canada February 1, 1933
8 Claims. (Cl. 30—79)

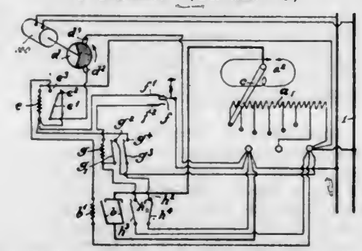


7. A safety attachment for straight razors comprising an inverted U frame adapted to straddle the top of the razor blade, outwardly doubled back lugs on the ends on one side of said frame, a toothed guard plate carried thereby, an elongated longitudinal slot in the other side of said U frame, a sliding plate behind said slot, a block mounted on said sliding plate and adapted to travel in said slot, and means to adjust said block in said slot.

2,069,974
CELLULOSE ESTERS AND PROCESS OF PREPARING THEM
Ferdinand Schulze, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 22, 1930, Serial No. 422,548
13 Claims. (Cl. 260—101)

1. The process of making alkali-soluble dicarboxylic acid esters of cellulose, which comprises heating cellulose containing the cellulose radical $C_6H_7O_2$ and an OH group with the anhydride of a dicarboxylic acid in the presence of a tertiary amine until the product is alkali-soluble.

2,069,975
ELECTRIC SPOT WELDING ARRANGEMENT
David Sciaky, Paris, France
Original application August 6, 1934, Serial No. 738,647. Divided and this application October 3, 1935, Serial No. 43,304. In France May 30, 1934
3 Claims. (Cl. 219—4)



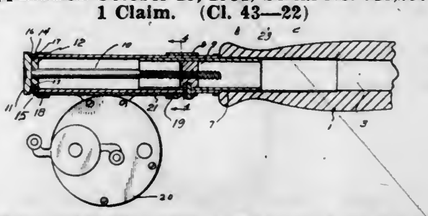
1. In a commutator device for feeding the electrodes of a welding machine, a starting pedal, a preparatory relay controlled by said pedal, feeding means for continuously feeding said preparatory relay during the rest position thereof, a cut-out relay for restoring energization of the preparatory relay as soon as a weld has been completed, a synchronous motor fed from a current source, a rotary commutator provided with contacts controlled by the synchronous motor and controlling the preparatory relay, a welding relay controlled by the preparatory relay, and controlling the welding circuit.

2,069,976
WRENCH
John Overton Sehon, Holliday, Tex.
Application February 18, 1935, Serial No. 7,020
6 Claims. (Cl. 81—53)



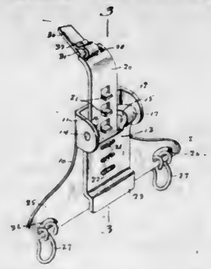
4. A wrench comprising a head having a hook portion to engage a rod and having a leg extending beyond the rod engaging part of said hook, a handle pivoted on said extending part of said head, said handle having a curved end projecting beyond the pivotal point to swing into the opening in said hook when moved in one direction, said head having a striking surface transverse, to the path of said extended end of said handle, said handle being engaged only by said striking surface when swung out of the opening in said hook.

2,069,977
REEL LOCK
Cloise C. Spencer, Portland, Oreg.
Application October 15, 1934, Serial No. 748,290
1 Claim. (Cl. 43—22)



The combination with a fishing pole and reel, of a reel lock comprising a hollow shank having a longitudinal slot therein, a sleeve disposed within the shank and adapted for being moved longitudinally therein, a nut fixedly secured within the sleeve, a locking collar having a socket formed therein and being slidably disposed about the shank and fixedly secured to the nut and sleeve, said securing means being disposed through the longitudinal slot in the hollow shank, a stem having an enlarged head disposed within the shank and threadedly attached to the nut, a band disposed about the base end of the shank and having a socket therein, the socket in the locking collar and in the band being adapted to engage the oppositely disposed ends of the base of the reel and means for locking the threaded stem within the shank.

2,069,978
BUCKLE
Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application December 21, 1934, Serial No. 758,679
3 Claims. (Cl. 24—206)

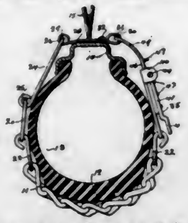


1. As an article of manufacture, a buckle, comprising a body, a clamping member pivotally carried by the body and arranged, when in locking position, to be in substantially parallel, interspaced relation with the body, a tongue disposed between the body and clamping member, and means carried only by the tongue and the clamping member for adjustably holding the tongue in position upon the body.

2,069,979
EMERGENCY ANTISKID DEVICE
Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application December 21, 1934, Serial No. 758,681
2 Claims. (Cl. 152—14)

1. The combination with an automobile wheel and a tire carried thereon, of an emergency antiskid device, comprising a plurality of cross chains, a chain plate carrying the cross chains at one of

their ends, a relatively wide plate link pivotally connected at one end to the chain plate, a narrow, metallic spoke link pivotally connected to the opposite end of the plate link and disposed be-



tween two adjacent spokes, and fastening means connecting the other ends of the cross chains with the spoke link, whereby the chain is adapted for use on wheels having closely pitched spokes.

2,069,980

METHOD OF MAKING CHAIN LINKS

Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York

Application July 11, 1935, Serial No. 30,857
7 Claims. (Cl. 59—35)



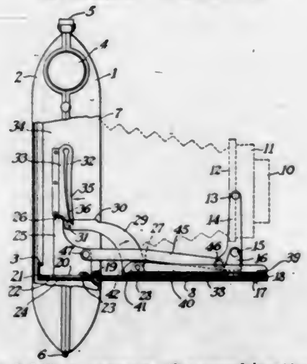
1. A method of forming chain links for use in the treatment of wet slurry, comprising holding the link by endwise pressure, heating one of the sides thereof by the application to such side of oppositely arranged electrodes, and bending the side of the link inwardly toward the longitudinal axis thereof while hot by exerting pressure which is independent of the holding pressure.

2,069,981

FOCUSING SELF-ERECTING FRONT CAMERA

Donald H. Stewart, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application May 12, 1936, Serial No. 79,363
10 Claims. (Cl. 95—40)



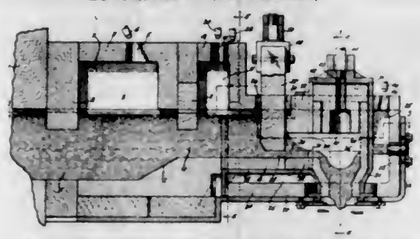
1. In a folding camera, the combination with a camera body, of a bed hinged thereto, braces pivotally attached to the bed and slidably attached to the camera body and adapted to support the bed in an operative position, the slidable connection between the braces and camera body including a pin on one part adapted to engage a hooklike edge of a slot on the other part, an objective movably carried by the camera bed for focusing the camera, a slidable bed brace latch carried by the camera body and coupled to the movable objective for holding the bed braces against movement except when the objective is in a predetermined position at which time the bed braces are released and may be folded.

2,069,982

METHOD OF FEEDING GLASS AND AN APPARATUS THEREFOR

Samuel G. Stuckey, St. Louis, Mo., assignor to Obear-Nester Glass Company, St. Louis, Mo., a corporation of Missouri

Application April 7, 1934, Serial No. 719,424
16 Claims. (Cl. 49—55)



1. An apparatus for feeding glass comprising refractory walls forming a trough for the flow of the glass, means for applying flame to glass in said trough, a block extending into said trough and spaced from the walls thereof, means for supporting said block in different adjusted positions to vary and control the flow of the glass, means forming a heating chamber at the sides and bottom of said trough, and means for heating said chamber.

2,069,983

COATING COMPOSITION

Richard T. Ubben, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 26, 1933, Serial No. 668,032
4 Claims. (Cl. 134—26)

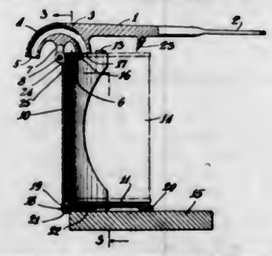
1. A coating composition comprising methyl methacrylate polymer and a resin selected from the class consisting of polyhydric alcohol-polybasic acid resins, coumarone resins, and phenol-aldehyde resins.

2,069,984

CANNED LIQUID DISPENSING MEANS

Inglis M. Uppercu, Rumson, and Francis J. Joyce, Keyport, N. J.

Application June 1, 1935, Serial No. 24,462
4 Claims. (Cl. 221—23)



1. Delivery means for canned liquid comprising a mount, a can support hinged to said mount,

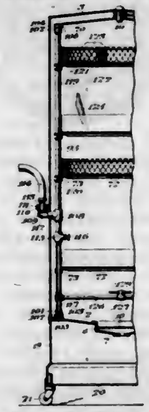
for tilting purposes, a lever pivoted to said support, a vent creating spur carried by said lever, and an arcuate tubular member carried by said lever, said tubular member having a delivery end and a can top puncturing end.

2,069,985

DISHWASHING MACHINE

Frank G. Walker, Santa Barbara, Calif.

Application February 5, 1932, Serial No. 591,015
12 Claims. (Cl. 141—9)



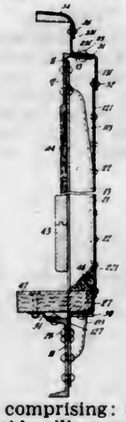
3. A dish-washing machine comprising a receptacle having a semi-cylindrical casing and a semi-cylindrical door revoluble therein, a pair of tubular uprights provided with outlet apertures in said receptacle, tray supporting means adjustably supported by said uprights, and pipe connections with said uprights leading exterior to said casing and having an intake fitting for injecting fluid through said tray supporting uprights.

2,069,986

HOUSE CAR

Clarence H. Williamson, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application November 2, 1933, Serial No. 696,369
9 Claims. (Cl. 105—409)



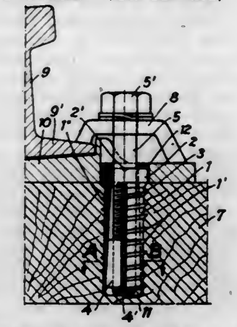
1. A house car comprising: an underframe including a metal side sill; a metal load carrying member extending substantially from end to end of the car having an outwardly extending flange; metal posts secured at their top and bottom ends to said load carrying member and sill; sheet metal sheathing secured to the outer sides of said posts; means connecting the lower edge of the sheathing with the side sill; and means uniting the upper edge of the sheathing to the load carrying member, including a longitudinally extending connecting member having a depending flange connected to the upper edge of the sheathing and a section overlying and secured to said flange of said load carrying member.

2,069,987

FASTENING MEANS

Arnold Winckler, Essen, Germany, assignor to firm: Gutehoffnungshütte Oberhausen Aktiengesellschaft, Oberhausen-Rhineland, Germany

Application August 8, 1933, Serial No. 684,151
In Germany July 7, 1932
1 Claim. (Cl. 85—2.4)



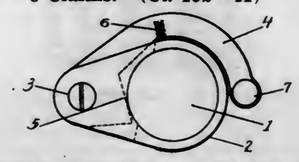
In combination, a support having an aperture, an expansible sleeve in said aperture, a nut within said sleeve operable by outward movement relative thereto to expand the same, a member bearing against said support, said member having an aperture, the outer end portion of said sleeve extending into and fitting the aperture in said member whereby the latter is held against shifting laterally relative to said support, a bolt extending through the outer end portion of said sleeve into the latter and into threaded engagement with said nut and cooperating with said nut and said member to expand the sleeve and fasten the member against said support, the outer face of said sleeve being disposed inwardly of the outer face of said member to provide a pocket, and waterproof material disposed in said pocket around said bolt to exclude moisture from the interior of said sleeve.

2,069,988

CLUTCH

Robert T. Wright, Lake Bluff, Ill.

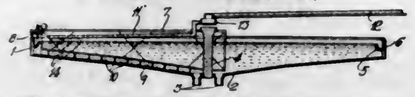
Application March 9, 1936, Serial No. 67,821
3 Claims. (Cl. 192—41)



3. A clutch comprising a rotatable drum, a collar mounted about said drum, said collar having a slot extending from the periphery of said collar into the center passageway occupied by said drum, a block or jaw pivoted in said slot and adapted to be swung upon its pivot into and out of engagement with said drum, an arm extend-

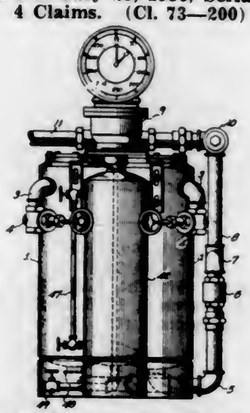
ing from said block out of said slot and parallel with the outer unslotted surface of said collar, whereby the movement of said arm is limited between the clutching position of said block, on the one hand, and the co-action between the extended end of said arm and the unslotted periphery of said collar, on the other hand.

2,069,989
OPERATING THICKENER
Henry F. Adams, Inspiration, Ariz.
Application February 19, 1935, Serial No. 7,172
3 Claims. (Cl. 210—55)



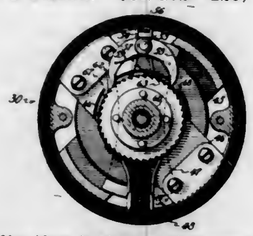
1. The method of thickening slimes in a tank having an overflow launder at the surface level of the body being treated and having a conical bottom sloping downward to a central discharge for the thickened material, said method comprising the feeding of the fresh slimes directly into the top of the body of slimes within the tank in numerous locations around the center near the periphery, and slowly raking the solids on the bottom and forcing them toward the center so that the sludge which entered near the periphery is forced to travel substantially the full radial distance of the tank and the maximum effect of the treatment is obtained, keeping the body of the slimes in the tank as quiet as possible so as to effect the settling of the solids, drawing off the thinned liquid at the top and the thickened product through the central discharge.

2,069,990
GASOLINE METERING ASSEMBLY
Peter N. Bjork and Gregory A. Burns, Minneapolis, Minn., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application February 28, 1936, Serial No. 66,212
4 Claims. (Cl. 73—200)



4. In a metering assembly, a plurality of receiving tanks, respective fluid inlet pipes for said receiving tanks, a separating chamber, respective vent pipes for said receiving tanks providing communication between said receiving tanks and said separating chamber, respective fluid outlet pipes from said tanks, a manifold communicating with said outlet pipes, a metering device, means providing communication between said metering device and said manifold, and a valve for controlling each of said outlet pipes.

2,069,991
PITCH INDICATOR
Werner J. Blanchard, Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application October 27, 1934, Serial No. 750,256
3 Claims. (Cl. 172—126)

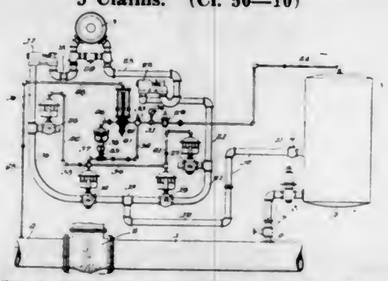


1. An indicating instrument comprising an indicating shaft carrying a pointer and a toothed ratchet wheel, a fixed segmental shield concentric with and embracing part of said wheel, a member oscillatable relative to said wheel, oppositely facing pawls carried by said member, said pawls in their normal position lying close to the ends of the segmental shield and engaging teeth of said ratchet wheel, and means to oscillate said member in either direction from said normal position, one said pawl, upon such oscillation, engaging and rotating said ratchet wheel, and the other pawl being raised from wheel engagement by said segmental shield.

2,069,992
METHOD OF REFINING ROSIN
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 14, 1934, Serial No. 735,195
17 Claims. (Cl. 87—2)

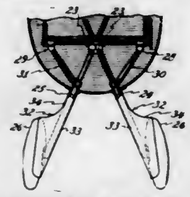
1. In a method for refining rosin the steps which comprise contacting rosin in solution in a solvent for the rosin with an organic thiocyanate in a non-solid state, the solvent for the rosin being capable of substantial immiscibility with the thiocyanate and separating the thiocyanate from the rosin solution.

2,069,993
AUTOMATIC MOTOR OPERATED PRESSURE REGULATING SYSTEM
Edmund Burke, Oak Park, and Alfred K. Sorensen, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application June 6, 1932, Serial No. 615,532
5 Claims. (Cl. 50—10)



1. In a pressure regulating system having a regulator valve for regulating pressure in a pipe line and a fluid motor for operating said regulator valve, a control means therefor comprising a control valve controlled solely by the regulated pressure, means controlled by said control valve for effecting a fluid pressure application and release, a plurality of independent valves operable by said fluid pressure application to assume one operative position and operable upon said release to assume another operative position, and conduits controlled by said plurality of valves whereby in one operative position thereof motive fluid is supplied to the motor for operating it in a direction to open the regulator valve and in the other operative position of said plurality of valves motive fluid is supplied to the motor for operating it in a direction to close the regulator valve, the said conduits each having two of said plurality of valves, the two valves of one conduit comprising a normally open inlet and a normally closed exhaust valve, and the two valves of the other conduit comprising a normally closed inlet valve and a normally open exhaust valve.

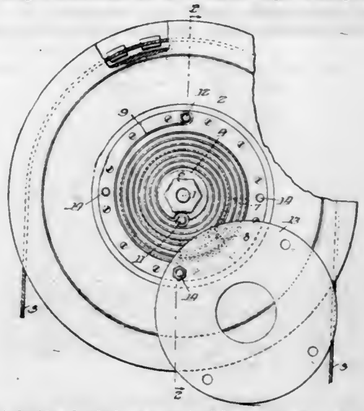
2,069,994
FOLDING LANDING GEAR
Arthur G. Butler, Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application April 27, 1935, Serial No. 18,597
3 Claims. (Cl. 244—103)



2. In a folding landing gear for aircraft, a pair of landing gear struts hinged to said aircraft symmetrically with respect to the aircraft plane of symmetry and movable to a folded position centrally below said aircraft, and symmetrical fairings carried by said struts, each fairing comprising half a streamline section whereby, when said landing gear is folded, said fairings cooperate to provide a full streamline section for both said struts.

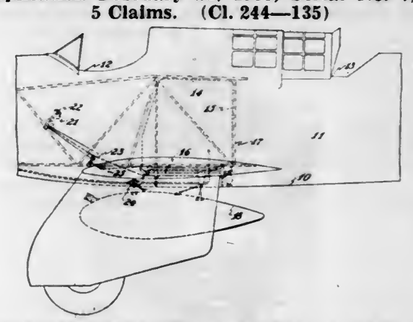
2,069,995
CABLE OPERATED VALVE
Ralph G. Carlson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application February 25, 1933, Serial No. 658,505
8 Claims. (Cl. 185—41)

1. A valve wheel comprising an annular wheel member adapted for operation in opposite directions by a cable, a hub adapted to be secured to a rotatable valve operating shaft and on which said member is rotatably mounted, said member having a driving lug, said hub having a driving lug in the path of revolution of said first mentioned lug, said first mentioned lug adapted to strike one side of said second mentioned lug when said member is rotated to one extreme position relatively to the hub and to strike the opposite side of said second mentioned lug when said member is rotated to its other extreme position relative to the hub, and a spiral spring connected with and reacting between said member and hub to hold said member normally at one extreme position relatively to said hub, said member adapted to be repeatedly cable-operated to the other extreme position and to be returned by the spring upon release of the cable, whereby to impart a succession of hammer blows in either operating direction to the valve-operating shaft



on which the hub is mounted by successively pulling and releasing the proper run of the cable.

2,069,996
RELEASABLE TANK AND BOMB RACK
Ralph D. Carleton, Snyder, and Clem G. Trimbach, Eggertsville, N. Y., assignors to Curtiss-Wright Corporation, a corporation of New York
Application February 21, 1935, Serial No. 7,476
5 Claims. (Cl. 244—135)



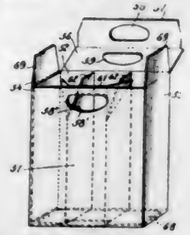
1. In aircraft having a fuselage, a cradle releasably attached across the lower side thereof, a main fuel tank mounted on said cradle and arranged normally to lie within said fuselage, and independently releasable auxiliary apparatus carried by and below said cradle, a single means for simultaneously releasing said cradle, tank and apparatus from said aircraft, and separate means for selectively releasing said apparatus only from said cradle.

2,069,997
CARTON
Edward J. Carr, Scarsdale, N. Y.
Application November 13, 1935, Serial No. 49,493
9 Claims. (Cl. 229—27)

6. In an article-carrying carton, the combination of front, rear, bottom and opposite side panels secured together, a flap overlaying the rear panel and secured to one of said other panels, said rear panel and flap having registering openings adjacent their upper edges forming a hand hole, and a top panel hinged to said front panel and having a hand hole, said two hand holes jointly accommodating the hand for carrying the carton.

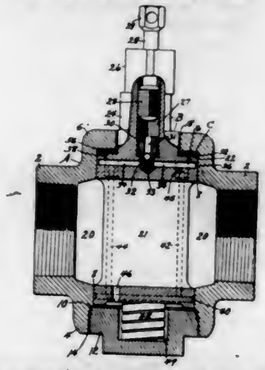
9. A carton formed of a substantially L-shaped blank, both arms of which are folded transversely

to form the six panels of a rectangular carton and a flap, said flap being hinged to the edge of one of said panels and being adapted to be folded flatwise upon another panel and having substan-



tially the size of said other panel, and at least one partition member formed of an infolded portion of said flap for holding said flap in said flatwise position and for dividing said carton into compartments when erected.

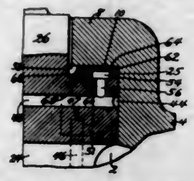
2,069,998
LUBRICATED VALVE
Robert Clade, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 6, 1936, Serial No. 78,132
3 Claims. (Cl. 251—93)



1. In a lubricated valve, a valve body provided with a head portion, a plug in said body having a plane shoulder at its upper end portion, sealing means interposed between said shoulder and head portion and provided with a lubricant receiving recess therein cooperating with the shoulder to form a lubricant seal, and means cooperating with the plug in such a manner as to normally retain the shoulder, sealing means and head portion in engagement.

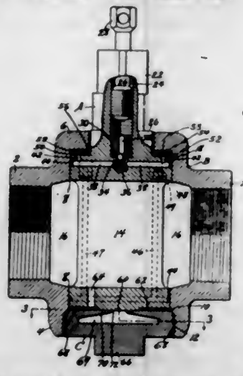
2,069,999
LUBRICATED VALVE
Robert Clade, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 6, 1936, Serial No. 78,133
8 Claims. (Cl. 251—93)

1. In a lubricated valve, a valve body having a head portion, a valve plug rotatably mounted in said body and having an operating stem extending through the head portion, a shoulder on said plug overlapped by said head portion, a plurality of spaced lubricant grooves in said shoulder, a recess in said shoulder adjacent the operating stem, means for forcing a lubricant under pressure into the spaced grooves, sealing means interposed between said shoulder and



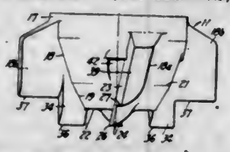
head portion to retain the lubricant in said grooves, said sealing means extending into said recess to increase the sealing area.

2,070,000
LUBRICATED VALVE WITH RESILIENT BASE
Robert Clade, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 6, 1936, Serial No. 78,134
4 Claims. (Cl. 251—93)



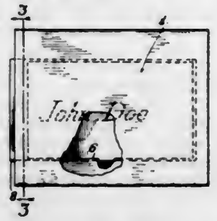
1. As an article of manufacture, a base plate for valve bodies comprising a substantially cylindrical externally threaded member having an internal cavity substantially closed by walls of decreasing thickness towards the central axis of said member.

2,070,001
ROTARY CORE BIT
Leonard S. Copelin, Los Angeles, Calif.
Application March 4, 1935, Serial No. 9,158
7 Claims. (Cl. 255—72)



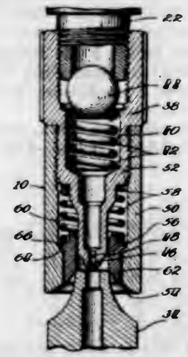
1. In a rotary earth-boring drill, a cutting head comprising a body provided with at least four circumferentially spaced teeth, two of the teeth on opposite sides of the head having advancing faces inclined with respect to the vertical and having stepped lower cutting edges, the other teeth being interposed with respect to the first-named teeth and having substantially vertical advancing faces, said last-named teeth likewise having stepped lower cutting edges and extending to a diameter beyond the outer diameter of the first-named teeth.

2,070,002
WINDOW BADGE
Curtis L. Cruver, Oak Park, Ill.
Application November 14, 1935, Serial No. 49,667
5 Claims. (Cl. 40—1.5)



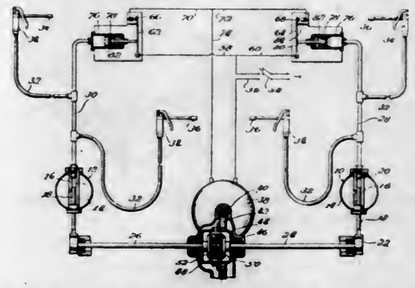
4. A window badge comprising a slightly bowed rectangular plate of resilient sheet metal, the middle portion of said plate being offset from the body thereof and providing a card receiving space in the convex face of the plate extending longitudinally from end to end thereof, said plate equipped along its parallel longitudinal edges with V-shaped flanges folded over upon the concave face of the plate and presenting two outwardly open longitudinal recesses, the mouth of each of which is bordered at one side by a convex edge, and a sheet of flexible transparent material overlying the convex face of said plate and said card receiving recess therein and having its side edge portions extended over said convex edges and permanently engaged in said recesses, said plate being normally bowed to a smaller radius than in the completed structure and maintaining said sheet taut by its tendency to spring back to normal contour.

2,070,003
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 7, 1934, Serial No. 734,089
5 Claims. (Cl. 285—161)



1. A nozzle for high pressure lubricant compressors, comprising a sleeve, a small diameter nozzle part rigid with respect to said sleeve, and a guide member mounted within said sleeve and surrounding said nozzle part, said guide member being reciprocable relative to said nozzle part and sleeve, said guide member having a surface adapted to engage a lubricant receiving fitting and aid in centering the nozzle over the fitting, and a spring for urging said guide member outwardly of said nozzle.

2,070,004
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 1, 1935, Serial No. 47,764
4 Claims. (Cl. 103—11)



1. In a lubricant supply installation for lubricating service stations and the like, the combination of a plurality of lubricant compressors, an electric motor, a differential driving connection between said motor and said compressors, a pressure controlled switch responsive to the pressure in the discharge line of each of said compressors, and conductors connecting said switches in parallel with said motor, whereby said motor will operate until the pressure in both of the discharge mains of said compressors attains a predetermined maximum.

2,070,005
SPRING NUT
Chesley Dom, Pleasant Ridge, and William J. Moeller, Mount Healthy, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
Application January 30, 1935, Serial No. 4,100
20 Claims. (Cl. 85—36)

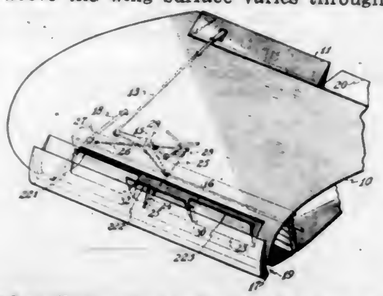


1. A securing nut comprising a metal blank having means for anchoring same to a base member, and a stud engaging means, comprising two contiguously stamped out tongues, one of which is bent perpendicularly to the blank and parallel to the longitudinal surface of the stud to provide a plurality of points of contact with a stud and the other of which is inclined at an angle to the blank to impinge against the stud and hold same against the perpendicular tongue.

2,070,006
WING SPOILER
Bruce G. Eaton, Jr., and Harry A. Sutton, Buffalo, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application July 19, 1934, Serial No. 735,992
8 Claims. (Cl. 244—90)

2. In an aircraft wing, a spoiler system hinged adjacent the leading edge thereof, and means for tilting said spoiler system upwardly and forwardly relative to said wing, said spoiler system having a plan form such that certain portions thereof have a greater chord than other portions

thereof by which the height of said spoiler system above the wing surface varies through the



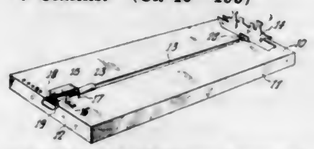
several spoiler portions when said system is tilted relative to said wing.

2,070,007

TOY

Myron Fleishman, Bronx, N. Y., assignor to Louis Marx & Company, New York, N. Y., a corporation of New York

Application July 19, 1934, Serial No. 735,951
Renewed March 21, 1935
7 Claims. (Cl. 46—199)



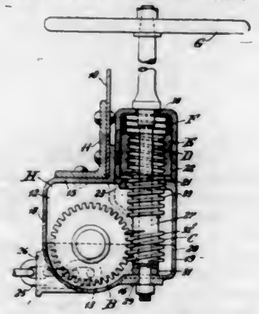
1. A toy comprising a platform having a longitudinal slot therein, a figure of a ship or the like mounted on the platform at one end of said slot, a torpedo-shaped member slidably mounted in said slot, resilient means adapted to urge said member toward said figure, means for releasably locking said means and member in cocked position at the other end of said slot, actuation of said locking means in cocked position releasing said member and means and causing said means to propel said member toward said figure.

2,070,008

HAND BRAKE

Henry Fuchs, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application February 28, 1935, Serial No. 8,640
14 Claims. (Cl. 74—505)



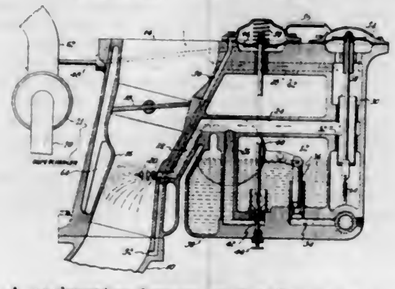
1. In a hand brake mechanism, the combination with a rotary chain winding element; of cooperating worm and worm wheel member for actuating said winding element; manually operated rotary means for rotating said worm member in reverse directions to rotate the chain winding element in chain winding and unwinding directions; and screw means operated through rotary movement of said worm member for moving the worm axially to engage the worm with the worm wheel, and disengage the same therefrom, said screw means including a threaded section on said worm and a cooperating threaded member, means for holding said threaded member against rotation and guiding the same for axial movement, and abutment means for limiting axial movement of said threaded member and supporting the same while said threaded section is being threaded into said threaded member through rotation of said worm in chain unwinding direction.

2,070,009

ANTERIOR THROTTLE CARBURETOR

Willard B. Goodman, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application February 12, 1935, Serial No. 6,155
8 Claims. (Cl. 123—119)



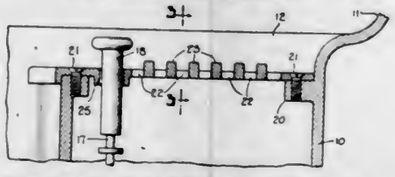
1. A carburetor for an engine having a supercharger including in combination, a fuel jet, a throttle anterior to said jet with respect to said supercharger, a fuel metering valve, and means to control said valve responsively to the pressure difference created by said supercharger.

2,070,010

SOAP DISH FOR SINKS

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application September 14, 1935, Serial No. 40,529
2 Claims. (Cl. 4—187)



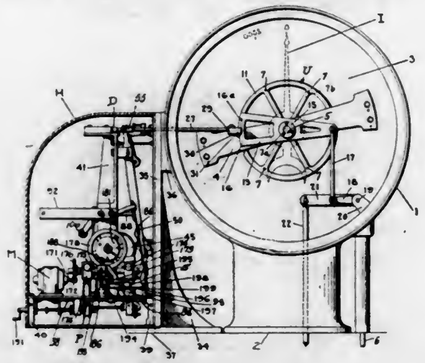
1. In a device of the kind described, the combination of a sink, a vertically arranged chamber formed at one end thereof and with the top of the chamber open and lying below the top of the sink, said vertically arranged chamber constituting an overflow drain for the sink, a slotted cover for the open end of said drain, the material of the cover between adjacent slots lying above the normal surface of the cover and acting as a means for holding soap whereby upon overflow of water from the sink to the drain the soap resting on the cover will be out of reach of the water.

2,070,011

RECORDING SCALE

Harlan A. Hadley and Guldbrand Guldbrandsen, St. Johnsbury, Vt., assignors to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont

Application July 20, 1934, Serial No. 736,158
27 Claims. (Cl. 265—5)



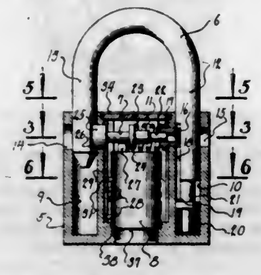
1. In a recording scale, weight value selector means, recording mechanism, recording operating mechanism, means for transmitting the weight value set up by the weight value selector means to the recording mechanism, and a single centrally disposed and rotatable universal control member having an axially offset portion adapted to engage directly and separately the weight value selector means and the recording operating mechanism and thereby effect in one revolution the complete cycle of operation of the recording operating mechanism.

2,070,012

PADLOCK

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application August 9, 1935, Serial No. 35,490
15 Claims. (Cl. 70—108)



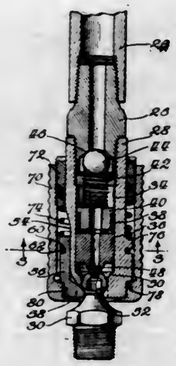
3. In a padlock including a rotatable lock cylinder and a locking bolt, a body having open bores into which the bolt and cylinder are insertable with the bolt in a position preventing removal of the cylinder, and an operative driving connection between the cylinder and the bolt, said connection being established by rotation of the cylinder, and said connection preventing removal of the bolt from said body.

2,070,013

LUBRICATING APPARATUS

Steven J. Krannak, Minneapolis, Minn., assignor to Min-A-Max Co., Inc., Minneapolis, Minn., a corporation of Minnesota

Application April 29, 1935, Serial No. 18,755
2 Claims. (Cl. 285—169)



1. A coupler for high pressure lubricating systems utilizing headed lubricant receiving fittings, comprising a body having a plurality of longitudinally extending grooves upon the external surface thereof, a jaw in each of said grooves, a ring for holding said jaws in position in said grooves, a sleeve surrounding said jaws and longitudinally slidable upon said body, interengaging camming and locking surfaces on said jaws and said sleeve, a spring to force said sleeve in a direction to cause the jaws to be cammed radially inwardly in engagement with a fitting beneath the head thereof, and movable means in said body for making a lubricant tight connection with the fitting.

2,070,014

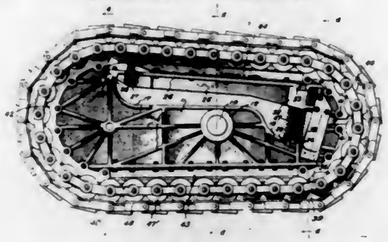
SOLID LUBRICANTS AND METHOD OF MANUFACTURING THE SAME

Bert H. Lincoln and Ernest W. Nelson, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application May 3, 1935, Serial No. 19,652
8 Claims. (Cl. 87—9)

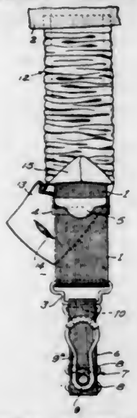
1. A process of manufacturing solid lubricants including the steps of mixing stearic acid and tallow while heating the mixture to a temperature of from 150 degrees to 200 degrees Fahrenheit, saponifying the mixture with sodium hydroxide while gradually increasing the temperature from 200 degrees Fahrenheit to not in excess of substantially 350 degrees Fahrenheit, the sodium hydroxide being used in amount to give a free alkali content from two tenths of one percent to one and five tenths percent by weight, continuing the heating until the water content of the saponified mixture is two tenths of one percent or less by weight, adding a heavy hydrocarbon oil to the dehydrated, saponified mixture at such rate as to substantially maintain the temperature of the mixture, raising the temperature of the mixture to four hundred degrees Fahrenheit or higher, but not above the flash point of the hydrocarbon oil added, holding the mixture at said temperature for a period of one half to three hours, and then allowing the mixture to cool and harden.

2,070,015
TRACK TRAILER
Holman Harry Linn, Morris, N. Y., assignor to The Linn Manufacturing Corporation, Morris, N. Y., a corporation of New York
Application March 25, 1935, Serial No. 12,974
3 Claims. (Cl. 305—4)



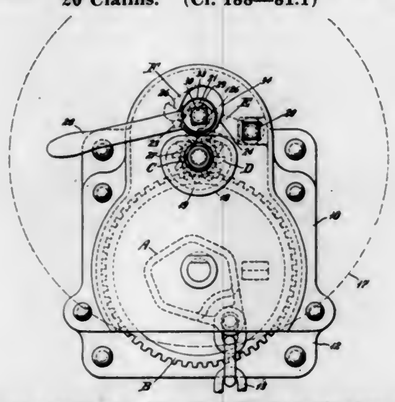
1. The combination of an oblong track frame having top and bottom straight portions and rounded ends, and a substantially continuous trackway about its top, bottom and ends, a flexible endless track surrounding said frame and adapted to run on said trackway, the track frame comprising a rigid bottom carrier member and a rigid upper take-up member, the take-up member being pivotally connected at one end to one end of the carrier member, and a spring element interposed between the opposite ends of said members and adapted to hold said opposite ends resiliently apart to tension said endless flexible track, said rigid carrier member comprising the bottom and one rounded end of the track frame, said take-up member comprising the top of the track frame, and the ends of said carrier and take-up members opposite said pivotal connection comprising the other rounded end of the track frame.

2,070,016
HOSE SUPPORTER
Sarah Lipton, New York, N. Y.
Application March 31, 1936, Serial No. 71,827
7 Claims. (Cl. 241—1)



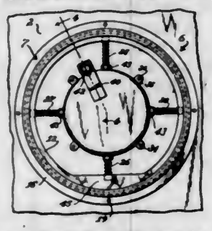
4. In combination, a hose supporter comprising a length of elastic, stocking attaching means carried by the elastic at the lower end thereof and length adjusting means disposed between the ends of the elastic, and a sheath enclosing the supporter and secured in fixed relation to the upper end of the elastic, said sheath including quickly detachable means for securing it to the lower end of the supporter, the arrangement being such that the sheath normally conceals the entire supporter but can be readily shifted to expose the length adjusting means when desired.

2,070,017
HAND BRAKE
Harvey J. Lounsbury, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 23, 1935, Serial No. 12,585
20 Claims. (Cl. 188—81.1)



1. In a ratchet mechanism for hand brakes, the combination with a rotary element; of means for holding said element against rotation in one direction including a pivoted locking dog; a lever pivoted to said dog for rotation about a fixed axis with respect to said dog, said lever having eccentric means thereon for forcing said dog out of locking engagement; and abutment means engaged by said eccentric means.

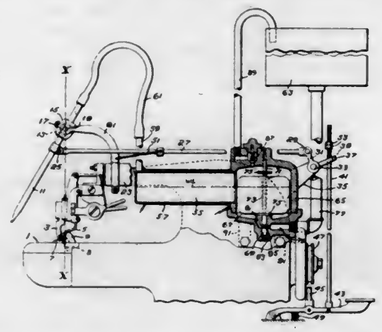
2,070,018
MOUNTING FOR TIMEPIECES
Jerome W. Mecklenburger, Winnetka, Ill.
Application May 5, 1934, Serial No. 724,014
5 Claims. (Cl. 248—27)



1. In a mounting for time-pieces on motor driven vehicles, the combination of a base support having an opening therein, an anti-friction ring member in said opening, a plurality of springs centrally positioning a time-piece within said ring member, and a ballast member secured to the base of said ring for vertically centering said ring member in said opening.

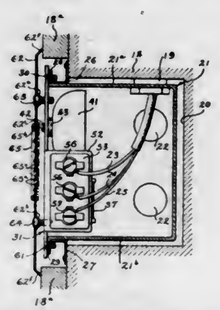
2,070,019
MACHINE AND APPARATUS FOR APPLYING STAYS, BINDINGS, AND THE LIKE TO SHOES AND OTHER ARTICLES
Frank W. Merrick, Boston, Mass., assignor to American Stay Company, East Boston, Mass., a corporation of Massachusetts
Application July 1, 1932, Serial No. 620,411
15 Claims. (Cl. 12—55)

1. Apparatus for securing a binding, stay, or the like, coated with moisture sensitive adhesive to a shoe upper or the like having, in combination, mechanism for substantially continuously feeding a strip of binding and while being fed pressing it against the upper, moisture applying means for moistening with a mist of finely divided water the coating of the binding strip



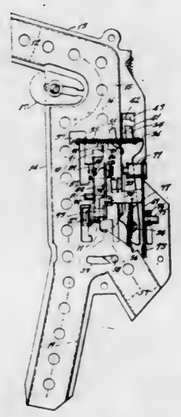
while being fed and prior to said mechanism operating upon it to press it against the upper, and control means for said moisture applying means operative to establish and interrupt the supply of moisture to said coating when the operation of said mechanism is established and interrupted respectively.

2,070,020
SIGNALING DEVICE
Christian Miller, New York, N. Y., assignor to Edwards and Company, Inc., a corporation of New York
Application June 13, 1932, Serial No. 616,855
8 Claims. (Cl. 177—7)



1. In a signaling installation, in combination, a conduit box having a knock-out in a wall thereof, a signaling unit related to said box, said signaling unit comprising a plate-like member bridged across and extending substantially in the plane of the open end of said box and substantially closing the said end, said plate having a portion extending transversely thereto and in a direction into the box, a terminal board carrying a connecting terminal and mounted upon said inwardly extending portion of said frame, electromagnetic signaling means carried on the inner face of said plate and having an electrical connection to said connecting terminal, said connecting terminal being adapted to have connected thereto a conductor brought into the box through said knock-out, and a finishing plate secured to said first-mentioned plate.

2,070,021
OPERATING DEVICE FOR COIN-ACTUATED MACHINES
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1933, Serial No. 679,533
15 Claims. (Cl. 194—102)



15. An operating device for coin-actuated machines comprising an operating member, machine control mechanism operable by said member upon a predetermined stroke thereof, and a coin gauge including a member arranged to coact with the coin or a check at a testing station in such manner that the position of said member is determined by the form of the coin or check, said member being adapted to obstruct operative movement of said control mechanism except when in the position in which it is arranged by a proper coin, and said operating member having preliminary movement to actuate said control mechanism a certain distance while the coin remains at the testing station, said operating member thereafter causing removal of the coin from said testing station.

2,070,022
AUTOMOBILE BRAKE TESTER
James W. Morse and Alvin I. Moore, Lansing, Mich., assignors to Food Machinery Corporation, San Jose, Calif.
Application April 7, 1930, Serial No. 442,254
14 Claims. (Cl. 265—47)



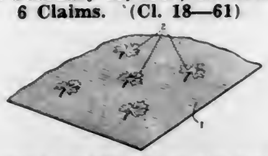
1. An apparatus for use with automobile brake testing devices comprising a series of fluid responsive pressure indicating devices, a series of wheel supports and hydraulic means connecting said wheel supports and said indicating devices so that movement of said wheel supports will be registered on said indicating devices, means for testing the operation of said indicating devices comprising a source of pressure and means for transmitting said pressure to said indicating devices.

2,070,023

PROCESS OF EMBOSSING OR DECORATING CELLULOSIC PLASTICS

Oscar W. Olsen, Irvington, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

Application February 19, 1930, Serial No. 429,617
6 Claims. (Cl. 18—61)



1. The method of decorating the surface of an article comprising a thermoplastic material containing a derivative of cellulose comprising applying to the surface of the article comprising a thermoplastic material containing a derivative of cellulose a relatively thin metal sheet of a thickness of 0.001 to 0.006 inch having a design impressed thereon, and subjecting the same to pressure.

2,070,024

CONTAINER CLOSURE AND METHOD OF MAKING

James W. Perry, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut

Application January 22, 1932, Serial No. 588,177
4 Claims. (Cl. 215—43)



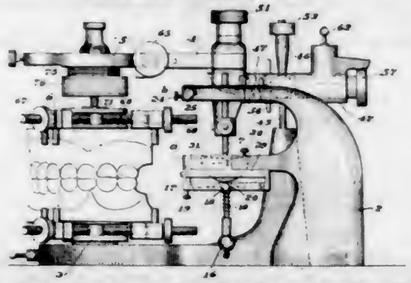
1. A container closure and liner assembly comprising in combination, a molded closure adapted to engage suitable retaining means on the container, and a slightly porous liner carried by the closure and adapted to seal the mouth of the container, the material of the closure adjacent the liner extending into the pores of the liner to hold it in place and the said liner being otherwise freely separable.

2,070,025

DENTAL INSTRUMENT

George P. Phillips, Belmont, Mass.

Application June 7, 1934, Serial No. 729,422
12 Claims. (Cl. 32—32)



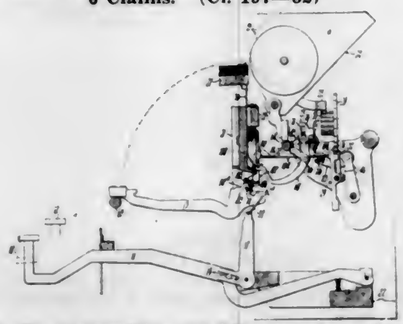
1. In an instrument of the character described, the combination of a stand, a carriage mounted on said stand for floating movement in substantially any direction in a horizontal plane and for additional movement away from said plane, means for fastening a cast to said carriage, means for guiding said carriage comprising two pins secured to said carriage and spaced apart, two rocking hemispherical members each provided with a substantially flat upper surface for supporting said pins, respectively, for movement on said surfaces, means provided with sockets supporting each of said members for tipping adjustment in any vertical plane intersecting said surfaces of the respective rocking members, and additional means cooperating with said rocking members to engage and guide said pins in the desired paths as said pins are moved on the surfaces of said rocking members, said additional means being adjustable to vary the direction of said paths, as desired.

2,070,026

TYPEWRITING MACHINE

Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Original application September 21, 1933, Serial No. 690,301. Divided and this application September 30, 1935, Serial No. 42,808
6 Claims. (Cl. 197—82)



1. In a typewriting machine, a system of members of individually-operable type-actions, and a universal-bar device for actuating the ribbon-vibrator and carriage-escapement of said machine, each member having means for actuating the ribbon-vibrator at relatively slow speed by working said universal-bar device through a protracted period of the type-action stroke, each member also having a shoulder coming into play to actuate said universal-bar device to work the escapement quickly in correlation to the instant of type-impact, said universal-bar device being arranged so that the points at which it is engaged by each of said means and corresponding shoulder are juxtaposed, next to one another, to localize said points and thereby compact said device.

2,070,027

RECOVERY OF CELLULOSE ORGANIC ESTER PLASTIC MATERIALS

Marvin J. Reid, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application September 11, 1934, Serial No. 743,612
7 Claims. (Cl. 252—1)

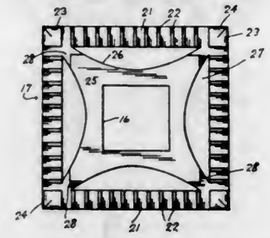
1. The process of recovering the valuable constituents from a cellulose organic derivative scrap insoluble in monoethyl ether of ethylene glycol and containing a cellulose organic derivative plasticizer, which comprises leaching out the plasticizer with monoethyl ether of ethylene glycol to form a solution thereof, removing the undissolved cellulose organic derivative from the solution, and precipitating the plasticizer from the solution.

2,070,028

SAFETY RAZOR

Samuel Samuel, Worcester, Mass.

Application February 18, 1936, Serial No. 64,547
2 Claims. (Cl. 30—70)



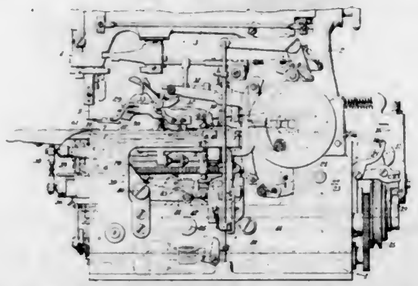
2. As a component part of a holder assembly of the class described, a guard including a rectangular frame said frame comprising four bars, the bars of said frame being provided with transverse longitudinally spaced ribs constituting guard teeth, having corner posts, a central attaching web, said web being formed with a central square retention aperture having its marginal edges of longitudinally curved form and spaced from the bar members of the frame and having its corner portion joined to the corner portions of the frame and provided with upstanding blade supporting abutments diagonally inward of the respective corner posts.

2,070,029

THREAD-CUTTER FOR SEWING MACHINES

Edward P. Spaine, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 4, 1935, Serial No. 43,467
9 Claims. (Cl. 112—252)



1. In a sewing machine in which that portion of the thread to be cut extends along and close to the surface of the work, means having a spatula shaped nose movable in a direction transverse to the thread-length and between the thread and the surface of the work to separate the thread from the work at a point close to the last stitch, and means to cut said thread close to the last stitch.

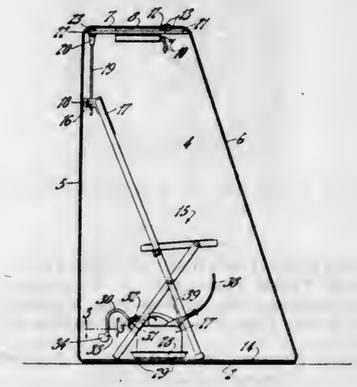
2,070,030

STEAM BATH CABINET

Thomas B. Stephenson, Springfield, Mass., assignor of one-half to Arthur F. Stephenson, Springfield, Mass., and one-half to John G. Stephenson, New York, N. Y.

Application July 17, 1936, Serial No. 91,106
6 Claims. (Cl. 4—164)

1. In combination, in a steam bath cabinet, a flexible enclosure member for receiving a chair, or other support for the occupant, means for opening and closing the enclosure member, a container for receiving a medicated liquid, controllable means for heating the liquid, the heat controllable means being operable by the occupant when seated within the enclosure by means of a mercury switch located on the outside of



the enclosure, a flexible member passing through an opening in the enclosure having one end connected to the mercury switch and its other or inner end located within the enclosure and detachable means for the inner end, whereby the occupant can operate the heat controllable means, as described.

2,070,031

LUSTERLESS YARN FROM CELLULOSE ACETATE

Herbert G. Stone and Henry R. Childs, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application November 5, 1932, Serial No. 641,466
8 Claims. (Cl. 18—54)

5. A process of producing, by the dry spinning method, unpigmented, solid, cellulose organic ester yarn, lusterless throughout its entire cross-section, which comprises extruding a spinning solution containing an organic ester of cellulose and from 2% to 6%, approximately, of a petroleum fraction whose boiling range lies between 150° C. and 230° C., into a current of evaporative atmosphere, substantially all of which current is at a temperature between about 90° C. and the minimum of the boiling range of the petroleum fraction.

2,070,032

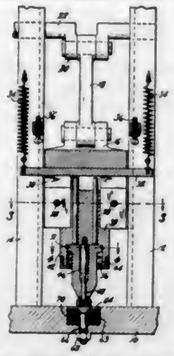
MANUFACTURE OF ELASTIC STOP NUTS

Carl A. Swanstrom, Irvington, N. J., assignor to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey

Application April 30, 1935, Serial No. 19,050
16 Claims. (Cl. 10—72)

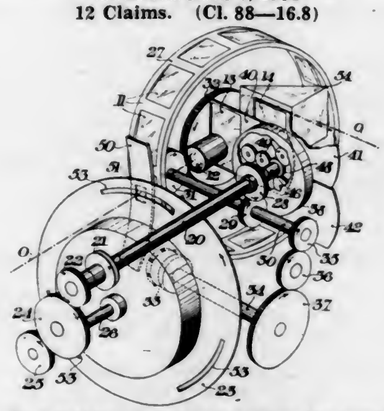
5. In apparatus for the manufacture of elastic stop nuts of the kind having a non-metallic locking washer incorporated therein, a pilot for determining the final diameter of the bore of the washer and a punch movable with respect to said

pilot for deforming the side walls of the nut blank



around the washer to lock it in the nut while said pilot is in said bore.

2,070,033
MOTION PICTURE APPARATUS
Fordyce E. Tuttle, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application October 20, 1931, Serial No. 569,914
Renewed June 7, 1934
12 Claims. (Cl. 88—16.8)



1. In a motion picture apparatus the combination with a window, means for continuously moving a film past the window, an optical system including a stationary objective lens having a short optical side and a long optical side, refracting members movable in succession past the lens on its short optical side for holding stationary relative to said lens and in different positions the virtual image of the moving film, a plurality of prism elements movable successively past said lens on its long optical side for shifting the principal ray from the virtual image in each of its positions to parallel relation to the axis of the lens, and means for moving said refracting members and said prism elements in synchronism with said film moving means.

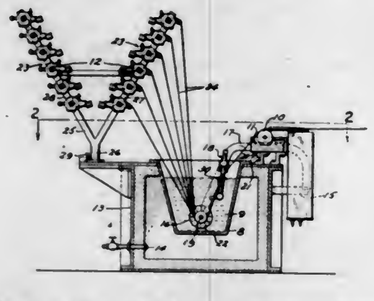
2,070,034
SPOON AND FORK
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application June 4, 1936, Serial No. 83,483
8 Claims. (Cl. 41—18)

2. A handle for spoons, forks and the like having the rear faces of its tip embossed and the tip turned over into contact with the front face of the handle near the outer end thereof, whereby



a part of its embossed portion appears on the front face of the handle, a part on the rear face of the handle, and a part on the extreme end or edge of the handle-tip.

2,070,035
WIRE COATING MECHANISM
George Weiss, Des Plaines, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application July 27, 1932, Serial No. 625,048
5 Claims. (Cl. 91—12.6)

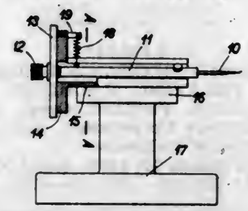


1. In a coating mechanism, in combination, a coating bath; means for supplying a core to said bath; means to support and position a core guide within said bath; means carried by said guide positioning means and engageable with said core to regulate the thickness of the coating on said core; means automatically adjustable with respect to the surface of said coating bath and cooperating with said regulating means to maintain said regulating means at the surface of said bath.

2,070,036
WALL PLASTER COMPOSITION
George Witty, Long Island City, N. Y., assignor of one-fourth to Siegfried N. Eben, one-fourth to Raymond J. Scanlan, and one-fourth to James M. Mundy, New York, N. Y.
No Drawing. Application April 28, 1936, Serial No. 76,739
2 Claims. (Cl. 106—24)

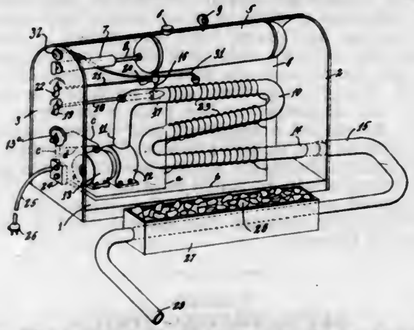
1. A wall plaster composition consisting of alkali waste, blast furnace slag, calcined dolomite, calcium sulphate, feldspar, vegetable fibre, potassium sulphate and aluminum sulphate.

2,070,037
MICRO-MANIPULATOR
Walther Bauersfeld, Jena, Germany, assignor to firm Carl Zeiss, Jena, Germany
Application March 2, 1934, Serial No. 713,672
In Germany March 2, 1933
2 Claims. (Cl. 88—40)



1. A device for so guiding by hand an object in the field of a microscope as to make it effect microscopically small movements, consisting of a supporting body, a guiding body adapted to hold the object to be viewed, the said guiding body being loosely supported by the said supporting body, the said supporting and guiding bodies having smooth contact surfaces of substantial areas, the said contact surfaces being such as to permit the said guiding body to move on the said supporting body in two directions perpendicular to each other, and a thin layer of a viscous substance placed between the said two bodies, the adhesive power of this thin layer continuously connecting the two bodies to each other.

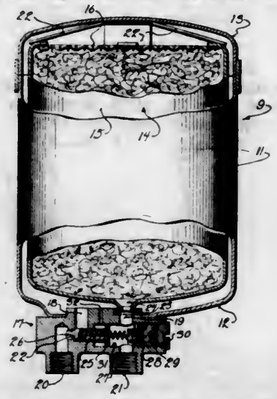
2,070,038
METHOD AND MEANS FOR PRODUCING SMOKE AND FOG EFFECTS
Howard H. Batt, Los Angeles, Calif.
Application February 9, 1935, Serial No. 5,875
6 Claims. (Cl. 252—1)



1. The method of producing smoke or fog effects, which consists in injecting an opaque-vapor producing liquid into an air stream, heating the air to assist the vaporization, and chilling said vaporous mixture so produced to cause it to be as heavy, or heavier than the atmosphere into which it is released.

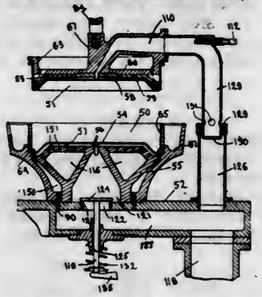
2,070,039
FILTER
Stephen F. Briggs, Chenequa, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application December 11, 1933, Serial No. 701,807
7 Claims. (Cl. 210—131)

1. In combination with a pressure lubricating system, a filter unit including an inlet chamber, a filter mass and an outlet chamber, means to communicate the inlet chamber of the filter unit with the system including a valve, yieldable means to hold the valve closed, said yieldable means being opposed by the pressure of the system and yielding to permit opening of the valve



when the pressure within the system exceeds a predetermined value, and means responsive to back pressure created within the inlet chamber of the filter unit to weaken the effect of said yieldable means on the valve and open the valve farther as the back pressure builds up.

2,070,040
MACHINE FOR MAKING PULP ARTICLES
Ralph W. Chapman, Old Town, Maine, assignor to The Old Town Company, Old Town, Maine, a corporation of Maine
Application November 13, 1930, Serial No. 495,488
Renewed August 25, 1934
6 Claims. (Cl. 92—54)

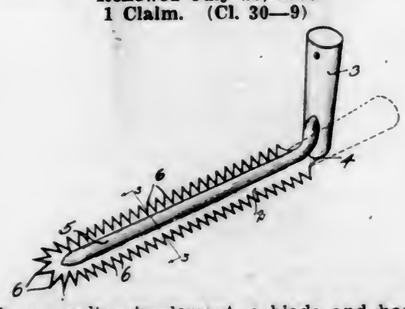


1. In a pulp molding machine the combination with a fixed molding die and a complemental die movable toward and away from the fixed die having a foraminous molding surface and a passage leading from the rear of said surface, of suction, means including telescopically arranged pipe sections extending parallel to the direction of movement of the movable die, one of which is connected to said movable die in communication with the air passage therein, said telescopic pipe sections being packed against leakage of air and that section which is connected to the movable die having a port arranged to communicate with the atmosphere when the movable die is separated from the fixed die, whereby to break the vacuum at the rear of the molding surface of said die.

3. In a machine for making molded articles out of matter containing a large proportion of water, a die having a foraminous contact surface and a supporting structure including heating means,

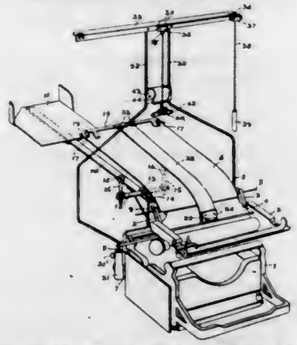
said supporting structure including peripherally arranged outlets and centrally arranged outlets, fluid conduction means connected with said peripherally arranged outlets and vacuum means connected with said centrally arranged outlets.

2,070,041
GARDEN IMPLEMENT
Leonard F. Coe, Spokane, Wash.
Application July 30, 1934, Serial No. 737,593
Renewed July 20, 1936
1 Claim. (Cl. 30—9)



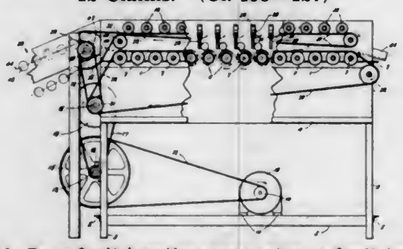
In a weeding implement, a blade and handle receiving socket formed from an elongated blank of metal bent in spaced relation to its rear end to form a straight horizontally disposed blade and a tubular socket extending upwardly from the rear end of the blade at a rearward incline, the intermediate portion of the blank being crimped to form an upwardly disposed transversely arcuate reinforcing rib of less width than the width of the blade and the diameter of the socket and extending longitudinally of the blade from adjacent the front end of the blade and having its rear portion extending upwardly along the lower portion only of the socket to strengthen the united ends of the blade and socket, the blade being serrated along its side edges and across its front end to form teeth, and a handle in the form of a straight staff having its lower end fitting into the socket.

2,070,042
TYPEWRITER ATTACHMENT FOR HANDLING CONTINUOUS DUPLICATE RECORD SHEETS
Robert J. Copeland, Toronto, Ontario, Canada
Application November 2, 1935, Serial No. 48,053
19 Claims. (Cl. 197—126)



1. In a typewriter attachment for the handling of continuous duplicate form sheets the combination with the typewriter carriage, of means for guiding said duplicate form sheets to the typewriter carriage pivotally connected thereto, said guiding means presenting a smooth under surface extending from side to side, and means contacting directly with the smooth under surface of said guide means for pivotally supporting said guiding means intermediate of its length to move freely in the operation of the typewriter carriage.

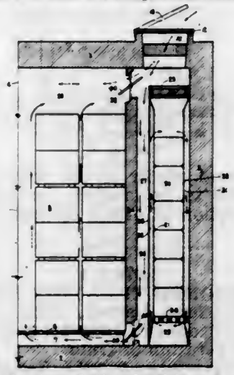
2,070,043
PROGRESSOR MECHANISM FOR FRUIT TREATING MACHINES
Frank W. Cutler, Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 10, 1934, Serial No. 714,935
12 Claims. (Cl. 198—127)



11. In a fruit treating apparatus, a fruit treating runway comprising a plurality of treating rolls arranged in adjacent parallel relation transversely of the path of fruit passing thereover to provide valleys therebetween wherein fruit may be supported to project above the tops of the rolls, means for rotating said rolls, means for advancing fruit in successive rows from valley to valley along said runway including a plurality of progressor shafts rotatably journalled above adjacent valleys and transversely of the runway, a row of progressor fingers carried by said shafts for operation thereby to sweep across said valleys and engage and propel fruit from valley to valley along the runway, said progressor fingers being of such length that the diameters of the circular paths described by their outer ends are greater than the diameters of the rolls whereby to reduce downward pressure of said fingers against the fruit as said fingers are moved into propelling engagement therewith, and means for driving said progressor shafts in timed relation whereby their associated progressor fingers are actuated to simultaneously advance the several rows of fruit engaged thereby.

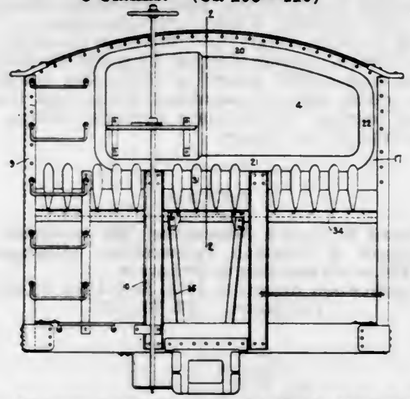
2,070,044
REFRIGERATING SYSTEM
Garth G. Gilpin, Riverside, Ill.
Application August 19, 1935, Serial No. 36,798
6 Claims. (Cl. 62—91.5)

1. A railway refrigerator car comprising a lading compartment, a refrigerator chamber and a bulkhead separating the compartment from the chamber, said bulkhead provided with upper and lower ducts with a solid wall therebetween in combination with a refrigerant container having an insulated vertical wall on one side thereof and a solid heat conducting vertical wall on the opposite side thereof, and means to retain a gas emanating refrigerant in spaced relation to said insulated wall and said heat conducting wall respectively to provide vertical gas flues therebetween whereby gas emanating from the refrigerant within the container being warmed by contact with the heat conducting wall sets up a convection circulation of gas through said gas flues and around the refrigerant and entirely within the container, said heat conducting wall being in spaced relation to a vertical wall of the refrigerating chamber to provide a vertical air flue therebetween, said air flue having communication with



both of the ducts of the bulkhead whereby the air within said air flue being cooled by contact with the heat conducting wall sets up a convection circulation of air between the refrigerating chamber and the lading compartment.

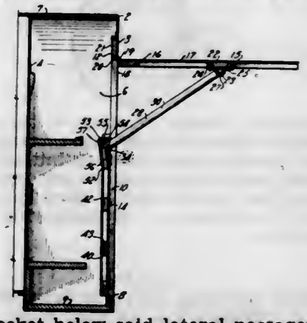
2,070,045
RAILWAY HOPPER CAR CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application August 24, 1935, Serial No. 37,733
5 Claims. (Cl. 105—410)



1. An open top railway car having spaced apart side walls, a sloping floor and an end wall extending between the side walls, said end wall and the portion of the floor adjacent thereto formed with a plurality of corrugations extending across the junction of the wall and floor whereby breathing between the end wall and the floor is retarded, said corrugations having their upper ends merging into said end wall and their lower ends merging into said floor.

2,070,046
DOOR PROP
Otto N. Gredell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application January 17, 1935, Serial No. 2,215
8 Claims. (Cl. 296—106)

1. In combination with a door hinged at its upper end and adapted to open upwardly and outwardly from closed position, a guide at one side of the door having a guide portion extending substantially parallel with the door when in closed position and provided with a portion at its upper end inclined upwardly away from the door, said guide having a lateral passageway at the upper end of the inclined portion of the guide, means cooperating with said inclined portion to



form a pocket below said lateral passageway at the upper end of the guide, a door prop, means hinging the door prop to the door, and laterally extending guide engaging means on the prop slidably engaging said guide portion when the door is moved to and from open position and adapted to pass through said lateral passageway to drop into said pocket to latch the door when the door is in open position.

2,070,047
METHOD OF PURIFYING RESINOUS MATERIAL SUITABLE FOR USE IN CHEWING GUM
George A. Hatherell, Burbank, Calif., assignor to Frank A. Garbutt, Los Angeles, Calif.
No Drawing. Application December 12, 1933, Serial No. 701,995
9 Claims. (Cl. 260—7)

1. The steps in the art of purifying a material containing resinous substances which contain or may form decomposition products and which are otherwise suitable for use as and are used in chewing gum bases, which comprise: heating said material to render it liquid; bringing the material while in its heated condition into contact with air so that certain impurities therein are oxidized; treating said oxidized material with an alkali; and washing the alkali treated material with water to remove impurities therefrom.

5. A method of purifying a cumarone resin, which comprises: contacting cumarone resin with air, the resin being maintained at a sufficient temperature to render it liquid, and the air being maintained at sub-atmospheric pressure to promote the vaporization of certain portions of the resin; treating the resulting material with a weak aqueous solution of alkali; and thereafter washing the said material with water to remove the impurities and reaction products.

2,070,048
COMPOSITE ERASER
Russell S. Henderson, Morristown, N. J., assignor to Weldon Roberts Rubber Co., Newark, N. J., a corporation of New Jersey
Application November 23, 1934, Serial No. 754,442
3 Claims. (Cl. 120—40)

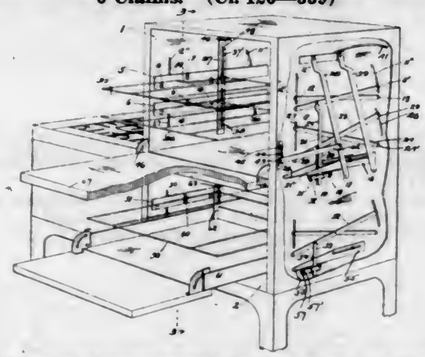
1. A composite eraser, comprising a strip formed by superimposed relatively thin layers of soft erasive material and comparatively hard and strongly abrasive erasive material, said strip being

rolled endwise upon itself and united to provide alternated spirally disposed strata of the different materials extending outwardly from a central portion of the eraser body, and outer end portions of the individual strata being disposed along the free periphery of the eraser body in cir-



cumferentially spaced relation to thereby form alternated exposed peripheral segments of hard and soft material and so that initially, and as the eraser body is consumed in use, exposed segments of the comparatively hard material are resiliently cushioned by an underlying strata of soft material.

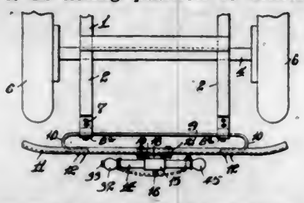
2,070,049
TRAY MOVING DEVICE FOR OVENS
Ernest C. Hillman, Los Angeles, Calif., assignor, by direct and mesne assignments, to Hillman-Thorpe Company, a corporation of California
Application August 20, 1934, Serial No. 740,725
6 Claims. (Cl. 126—339)



1. In combination with an oven and a pivotally mounted door thereof, a plurality of superposed supports positioned adjacent the side walls of said oven, a plurality of independently operable means to raise and lower said supports, a slotted bar positioned adjacent to said supports, said bar having a cut-out communicating with the upper end of the slot therein, a plurality of pan carriers on said supports, each of said pan carriers at the rear thereof having connecting means extending into the slot of said bar, and the rear portion of the side of the upper pan carrier being inset away from said supports a distance greater than the thickness of said slotted bar, and means connecting the bar with the door for moving said pan carriers out of and back into the oven, the upper pan carrier remaining stationary during the movement of said bar when the connecting means thereof is in register with the cut-out in the slot of said bar.

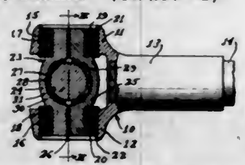
2,070,050
BUMPER CARRIED LIFTING JACK FOR AUTOMOBILES
Albert C. Hoecker, St. Louis, Mo.
Application June 17, 1929, Serial No. 371,543
19 Claims. (Cl. 293—55)

1. A bumper for a vehicle having a transversely disposed rail of the approximate length of the vehicle width paralleling an axle of the vehicle, and a jack slidably mounted on said rail for locating it in lifting position to either side of



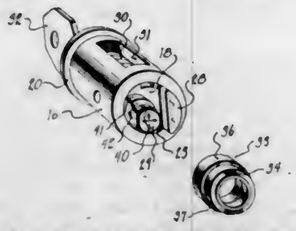
the longitudinal center of the vehicle, said jack having a part to be lowered for adjusting the jack to a position of lifting operation.

2,070,051
CUSHIONED TRUNNION JOINT
George H. Hufferd, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application November 9, 1935, Serial No. 49,000
6 Claims. (Cl. 287—1)



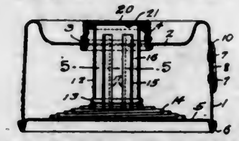
6. A joint comprising a bifurcated member having a pair of spaced furcations with aligned openings therethrough, resilient collars disposed in said openings, a split trunnion seated at its ends in said collars and defining a socket in the central portion thereof between the furcations and a stud seated in the socket whereby the collars urge the segments of the split trunnion together to maintain a proper seating of the stud in the socket.

2,070,052
LOCK
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application August 9, 1935, Serial No. 35,492
12 Claims. (Cl. 70—46)



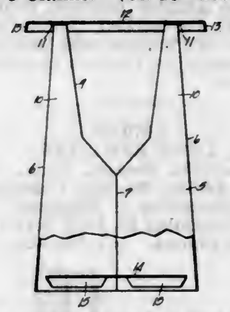
1. In a lock assembly of the character described, a body having intersecting bores, a bolt slidable in one bore, a lock cylinder rotatable in the other bore with its inner end spaced from the side of the bolt, an eccentric post projecting from the inner end of the cylinder as an integral part thereof, and a cam roller disposed in a chamber between the inner end of the cylinder and the side of the bolt and confined against displacement by the bolt and one wall of the chamber with a portion thereof received in a keeper recess in the bolt and having a bore to receive the post, said post being at the extreme edge of the cylinder whereby the roller overhangs the diameter of the cylinder and is operable by rotation of the cylinder to slide the bolt a substantial distance.

2,070,053
HIGHWAY FLARE
Smith M. Johnson, Middlefield, Ohio
Application October 29, 1934, Serial No. 750,441
7 Claims. (Cl. 67—55)



1. In combination, a container body having an opening, a burner sleeve slidable within said opening, a wick tube within the sleeve, the same being formed of a piece of sheet metal whose sides are flanged outwardly and secured to the wall of the sleeve so as to support the tube within the sleeve in spaced relation to the wall thereof, the sleeve being shiftable between a projected lighting position and a retracted inoperative position, a closure for the aforesaid opening that is adapted to be placed thereover when the sleeve is retracted, and a spring arranged to automatically project the sleeve when the closure is removed.

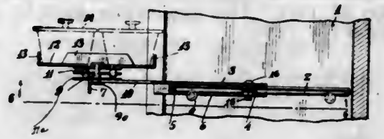
2,070,054
FOOTREST
Dwight L. Lehman, South Bend, Ind., assignor of one-third to Emil Johnson and one-third to Julius Seeberger, both of South Bend, Ind.
Application April 29, 1935, Serial No. 18,852
3 Claims. (Cl. 15—265)



2. A stand consisting of a tapered hollow sheet metal pedestal having the upper part of two similar opposed wall portions thereof cut away leaving a pair of spaced upright arms of similarly bent horizontal cross section with openings at each side between them, a horizontal plate secured on top of the two arms, and a second horizontal plate secured inside of and near the bottom of the pedestal and forming with the lower part of the pedestal a receptacle accessible through the openings between the upright arms.

2,070,055
SHELF ATTACHMENT
Louis Levien, New York, N. Y., assignor to Charlotte Michelbacher, Brooklyn, N. Y.
Application June 18, 1935, Serial No. 27,168
7 Claims. (Cl. 211—77)

1. An attachment for a shelf comprising a support which is adapted to be mounted on said shelf, tray-supporting means slidably connected to said support, said tray-supporting means including anti-friction means, a plate which is slidable relative to said support and which contacts with said

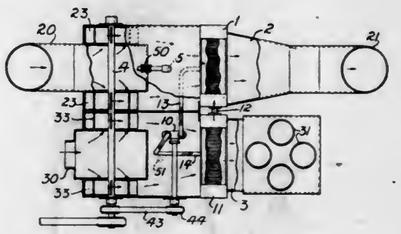


anti-friction means, and a tray turnably mounted on said tray-supporting means and resting upon said anti-friction means, so that said anti-friction means operate during the turning of the tray upon the tray-support.

2,070,056
EXTERMINATOR AND METHOD FOR PREPARING THE SAME
Vincent Losito, Avondale, Pa.
No Drawing. Application November 30, 1935, Serial No. 52,341
3 Claims. (Cl. 47—1)

3. In a method of protecting mushrooms and mushroom spawn during cultivation in beds, the steps of providing two separate dusts, each containing mineral alkali and nicotine, one dust having substantially more of said alkali per pound of active nicotine than the other, spreading the more alkaline dust on the beds and surfaces therebetween, and then charging the atmosphere surrounding the beds with the other dust.

2,070,057
AIR-CONDITIONING SYSTEM
Earle R. Mandle, Seattle, Wash.
Application November 11, 1933, Serial No. 697,643
5 Claims. (Cl. 62—139)



1. An air-conditioning system for cooling air in an interior space to a temperature appreciably below the temperature of air in an exterior space, comprising a heat exchange device filled with fluid under substantially constant pressure, and including two units, one over which interior space air passes and one over which exterior space air passes, and means to supply liquid to the exterior space air in advance of its passage over its heat exchange device unit, in quantities not appreciably in excess of that which can be evaporated by heat supplied by the fluid in the exterior space unit, by evaporation of the liquid supplied by said means to cool the fluid in the heat exchange device to a temperature below that of the interior space air, the heat exchange device fluid in turn cooling the interior space air.

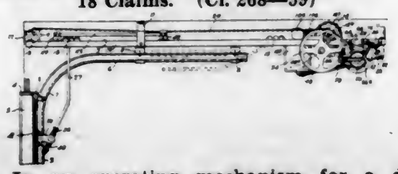
2,070,058

OPERATOR FOR ROLL TOP DOORS

Edward H. McCloud, Columbus, Ohio, assignor to The Kinnear Mfg. Company, Columbus, Ohio, a corporation of Ohio

Continuation of application Serial No. 613,429, May 25, 1932. This application April 13, 1936, Serial No. 74,061

18 Claims. (Cl. 268—59)



1. In an operating mechanism for a door adapted to be moved and swung in its guides upwardly from a vertical position in a doorway to a horizontal position above the doorway by operating means including a horizontally movable carriage supported on a trackway mounted independently of the guides; means for operatively connecting said carriage to said door comprising a drawbar having one end pivotally attached to said carriage and having the opposite end slidably and pivotally attached to a bracket on the door, said last-named end of said bar having thereon means adapted to resiliently resist slidable movement of said bar with respect to said bracket and means on said bar for adjusting said resilient resistance whereby to compensate for changes in the effective weight of the door due to variation in weather conditions.

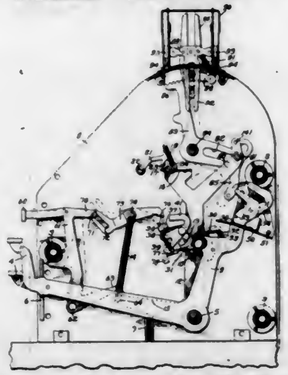
2,070,059

CASH REGISTER

Walter J. Pasinski, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application September 15, 1933, Serial No. 689,656

8 Claims. (Cl. 235—15)



1. A key operated cash register having a shaft, a plurality of banks of depressible keys supported thereby, a universal bail comprising a cross shaft and a supporting arm adjacent each end of said shaft, said keys being arranged to engage said cross shaft between said arms to move said bail, a single normally inoperative key coupler journaled on said shaft, said coupler being coextensive with and adapted to engage all of said keys and having means for latching the keys of all banks when said keys are depressed either simultaneously or consecutively for enforcing full depression of all partly depressed keys of all banks upon full depression of any one key.

2,070,060

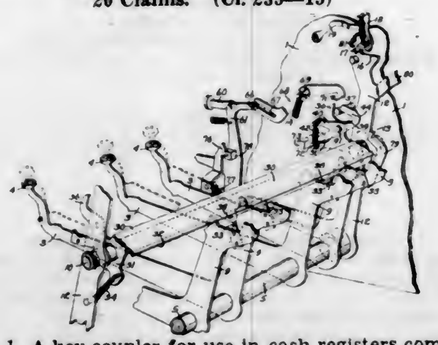
CASH REGISTER

Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application September 15, 1933, Serial No. 689,657

Renewed September 28, 1936

20 Claims. (Cl. 235—15)



1. A key coupler for use in cash registers comprising a cross bar of sufficient length to extend across the desired number of key levers, said cross bar having a depending longitudinal lip adapted to engage the key levers, said lip being stepped to provide steps of different heights whereby different keys may be latched and released at different positions of said coupler.

5. In a key operated cash register, depressible amount keys, a universal bail actuated by said keys, a single normally inoperative key coupler carried by said bail and movable into the path of movement of all of said keys to latch the latter thereto upon predetermined depression of said keys, said coupler being movable, following partial depression of said keys and movement of said key coupler to latching position, to permit additional keys to be latched thereto and an independent key for moving said bail to move said coupler to inoperative position to release all keys latched thereto.

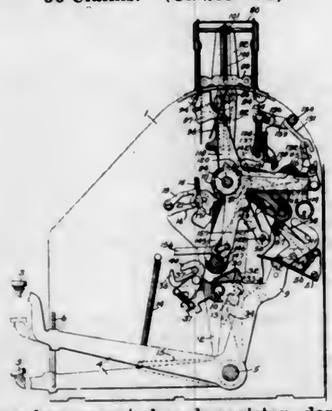
2,070,061

CASH REGISTER

Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application September 15, 1933, Serial No. 689,658

36 Claims. (Cl. 235—23)



1. In a key operated cash register, depressible keys for operating the cash register, a bail differentially moved by each key, a pair of pivoted indicator tab supports for each denomination of keys, connections between said bail and said supports for indexing the latter, and means for engaging said connections at predetermined times with respect to the movement of said key and following differential movement of said bail for causing said supports to be indexed upon return movement of said bail and for disengaging said connections at predetermined times in the movement of said key.

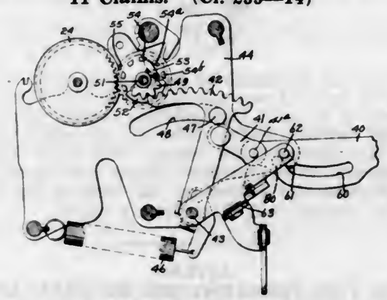
2,070,062

CASH REGISTER

Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich, a corporation of Michigan

Application September 15, 1933, Serial No. 689,659

11 Claims. (Cl. 235—14)



1. In a cash register, depressible keys, an indexing bail differentially moved varying distances by said keys, an accumulating register, operating toggle connections between said bail and said register for indexing the latter in accordance with said keys, and means for varying the position of said toggle connections to control the movement imparted to said connections by said bail.

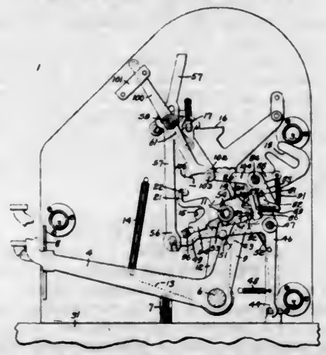
2,070,063

CASH REGISTER

Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich, a corporation of Michigan

Application September 15, 1933, Serial No. 689,661

12 Claims. (Cl. 235—130)



1. In a cash register having depressible pivoted key levers, a pivoted key coupler normally urged toward coupling position, means for normally retaining said coupler in inoperative position, said coupler being releasable to move into operative position upon depression of a key lever, means for arresting pivotal movement of said coupler, and a control lever for selectively controlling said arresting means.

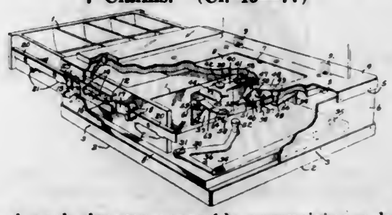
2,070,064

CASH DRAWER

Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application September 15, 1933, Serial No. 689,663

7 Claims. (Cl. 45—77)



2. A cash drawer assembly comprising a housing composed of a U-shaped metal strip providing a rear wall and two side walls for the housing, flanged top and bottom plates secured to said U-shaped strip providing top and bottom walls for the housing, said top and bottom plates having openings therethrough to provide access to the interior of said housing when assembled, fibrous strengthening and sound insulating plates secured to said top and bottom plates for closing said openings therein, a cash drawer within said housing, and means carried by said U-strip for slidably supporting said drawer for movement through the open end of said housing.

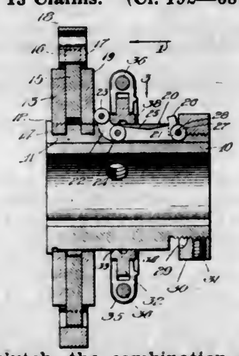
2,070,065

CLUTCH

William J. Pearmain, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin

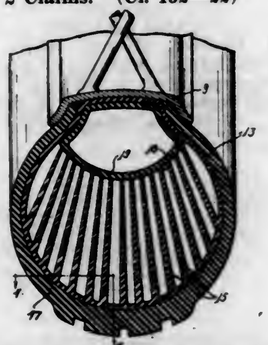
Application June 13, 1935, Serial No. 26,395

13 Claims. (Cl. 192—68)



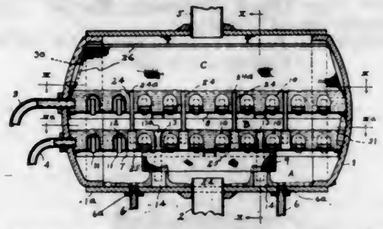
1. In a clutch, the combination of a friction plate, clamping plates adapted to engage the opposite sides of the friction plate, a hub to which the clamping plates are connected for rotation therewith and for axial movement relative thereto of one of the clamping plates and having depressions disposed around the periphery thereof, an adjusting ring mounted on the hub clutch levers in the depressions adapted to press the plates into engagement and free of any connection to the hub, and means for actuating the levers and for retaining the same in the depressions, one end of each lever pressing against the adjacent clamping plate and the other fulcruming against the ring.

2,070,066
PNEUMATIC TUBE
Michael Angelo Picardi, Philadelphia, Pa.
Application May 7, 1934, Serial No. 724,383
2 Claims. (Cl. 152—22)



1. An inner tube for pneumatic tires comprising: an inflatable annular tubular body; a plurality of transverse partitions and a plurality of circumferential partitions in said body, said partitions being located in the tread portion of said body only, and intersecting each other to provide a plurality of open ended cells, the portion of said body below said partitions being free of said partitions and in communication with the open ends of the cells; means for inflating said body member; and means within said free space for sealing the open ends of said cells.

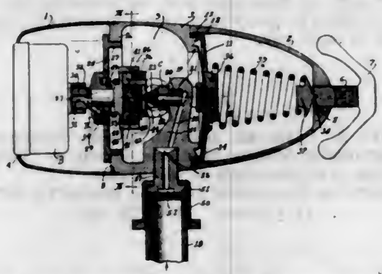
2,070,067
STEAM SCRUBBER
Cyrus W. Rice, Pittsburgh, Pa.
Application January 29, 1936, Serial No. 61,397
15 Claims. (Cl. 261—114)



1. A steam scrubber comprising a drum having therein horizontal partitions dividing the drum into scrubbing chambers and a steam entry chamber and provided with means for conducting steam through the several chambers of the scrubber to discharge, draw-off means arranged to maintain a predetermined level of scrubbing water in each scrubbing chamber and to draw off water above such level to the chamber next below, means for introducing steam into said steam entry chamber out of contact with water drawn off into said chamber from the scrubbing chamber next thereabove, and moisture-detaining means interposed in the path of steam movement in the steam entry chamber.

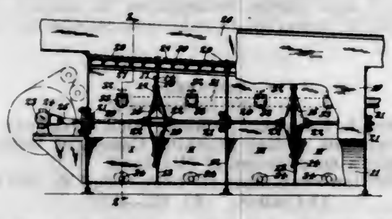
2,070,068
REGULATOR MECHANISM
Frank E. Rice, Detroit, Mich., assignor to American Tap Bush Company, Detroit, Mich., a corporation of Delaware
Application September 18, 1935, Serial No. 41,053
2 Claims. (Cl. 50—23)

2. A pressure regulator mechanism comprising an intermediate casing open at both ends, a diaphragm made integral with said casing to close one end of said casing, a diaphragm shield threaded on said intermediate casing and overlying a portion of said diaphragm in spaced relation thereto, a spring housing threaded on said diaphragm shield, a spring in said housing in operative connection with said housing and said diaphragm, a closure cap threaded in the other



end of said intermediate casing, a pressure gauge carried by said cap, an apertured gauge housing threaded on said intermediate casing with said gauge entered in the aperture, air inlet means on said intermediate casing, and valve means cooperable with said inlet means carried by said diaphragm and guided by said closure cap positioned within said intermediate casing.

2,070,069
JIG FOR TREATING ORE-BEARING AND LIKE MATERIAL
Walter Ruoss, Batu Caves, Federated Malay State of Selangor
Application July 17, 1935, Serial No. 31,801. In Federated Malay States November 26, 1934
2 Claims. (Cl. 209—455)

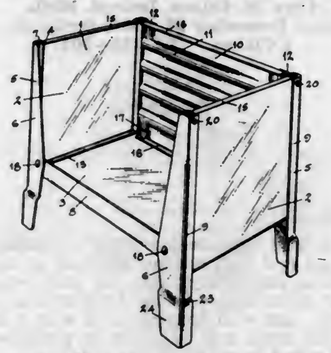


1. In a pulsating jig for treating ore-bearing and like materials, a sieve, a chamber which is closed at the top by the sieve, a transverse partition dividing said chamber into two hutches with an opening in said partition, a piston-vibrator which is mounted in said opening so as to produce pulsion and suction alternately in each of said hutches and which is hollow and buoyant when immersed in water, and means for reciprocating the piston-vibrator.

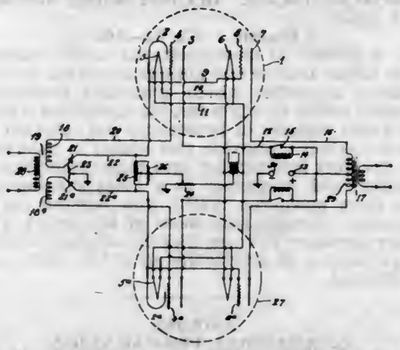
2,070,070
PLATFORM BOX
Frank H. Stoner, Monroe, Mich.
Application August 1, 1935, Serial No. 34,217
4 Claims. (Cl. 220—6)

1. In a platform box, a bottom part, uprights pivotally connected to the bottom part at points materially remote from the corners of the bottom part, end parts having inturned flanges, certain of the flanges secured to the uprights and forming channels in the said uprights, the lower flanges of the end parts located at the ends of

the bottom part, side parts adapted to be slidably engaged in the said channels, the side parts having inturned flanges, the lower flanges located at the sides of the bottom part.



2,070,071
ELECTRICAL TRANSMISSION SYSTEM
Charles Francis Stromeyer, Mount Vernon, N. Y., assignor to Revelation Patents Holding Company, New York, N. Y., a corporation of Delaware
Application March 14, 1932, Serial No. 598,715
21 Claims. (Cl. 179—171)



1. An electric wave repeating system comprising divided input and output circuits, a plurality of sets of electrode elements in each divided circuit, each set including a cathode, an anode and a control electrode, the cathode of one set being directly connected to the control electrode of the associated set, one of the cathodes in each set being electrically isolated from its heater filament whereby a single source of current may be used for heating all the cathodes.

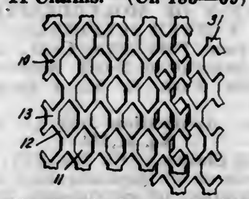
2,070,072
IGNITION TIMER
Arthur Alexis Varela, Washington, D. C.
Application August 29, 1934, Serial No. 741,886
3 Claims. (Cl. 200—27)

1. An ignition timer mechanism comprising, in combination, cooperating contacts independently mounted upon movable members, a cam member, wear pieces mounted upon said movable members and engaging said cam member so that rotation of said cam member actuates said movable members to alternately engage and disengage said cooperating contacts, said wear pieces having relative wearing abilities such that the piece mounted upon the movable member carrying the outer of said cooperating contacts wears slightly faster,



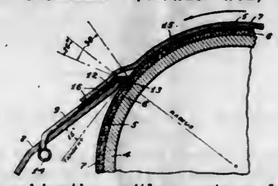
compensating for wear of the other and wear of said cooperating contacts.

2,070,073
FILTER
Clifford T. Walton, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 23, 1935, Serial No. 32,751
11 Claims. (Cl. 183—69)



7. A gas filtering body comprising a plurality of superposed layers of open mesh fabric of thin expanded fibrous sheet material, the broad surfaces of the network of said fabric being disposed angularly to the general plane of said fabric.

2,070,074
APPARATUS FOR DISCHARGING FILTERS
Frank W. Young, Upper Montclair, N. J., assignor by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada
Application September 24, 1934, Serial No. 745,205
8 Claims. (Cl. 210—201)

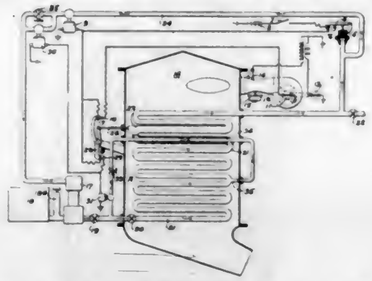


1. In combination with a rotary drum filter: a doctor, a nozzle associated with the inner edge of said doctor for directing a stream of fluid downwardly through the filter medium and means beneath the filter medium for reflecting said stream upwardly through the filter medium in advance of the inner edge of the doctor.

2,070,075
CONTROL
William J. Besler, Oakland, Calif.
Application April 30, 1934, Serial No. 723,119
7 Claims. (Cl. 122—451.1)

2. In a vapor generator of the continuous flow type the combination of a boiler, a thermostat intermediate the boiler inlet and outlet, a tube within said boiler tubing in advance of said ther-

mostat, means for passing liquid thru said tube in response to temperature fluctuation, and means

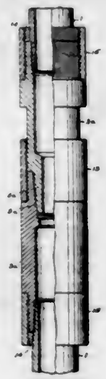


for then introducing said liquid into the boiler intermediate the boiler inlet and the place where said tube is located in the boiler.

2,070,076
SEPARATION OF MOLYBDENITE FROM COPPER SULPHIDES
Earl H. Brown, Palo Alto, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application July 13, 1935, Serial No. 31,154
32 Claims. (Cl. 209—167)

1. A process of ore concentration by flotation for the separation of molybdenite from copper sulphide, which consists in agitating a pulp of the suitably ground material containing molybdenite and copper sulphide in the presence of an organic protective colloid to selectively inhibit flotation of molybdenite, and producing a flotation concentrate containing copper sulphide.

2,070,077
COUPLING
Oscar M. Davis, Houston, Tex.
Application April 17, 1935, Serial No. 16,857
2 Claims. (Cl. 285—146)



1. A coupling comprising two members whose adjacent ends are threaded, one into the other, a ring nut threaded on to one member, a sleeve threaded onto said ring nut and onto the other member, the threads connecting said members being pitched in a direction the opposite of that of the threads connecting the sleeve to said ring nut and the other member.

2,070,078
SEWING THIMBLE
Cora M. Gitzen, Detroit, Mich.
Application December 26, 1935, Serial No. 56,135
6 Claims. (Cl. 223—101)



1. A sewing thimble including a tubular body having an end wall closing one end of the body the general direction of the end wall being in a plane at right angles to the longitudinal axis of said body, said wall being formed with a depression in its outer side adjacent its periphery and with a central convexity forming the inner side of said depression.

2,070,079
MANUFACTURE OF NICKEL CARBONYL
Charles Frederick Reed Harrison, Selley Oak, Birmingham, and Albert Edward Wallis, Clydach, England, assignors to The International Nickel Company Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 22, 1934, Serial No. 754,335. In Great Britain November 28, 1933
2 Claims. (Cl. 23—203)

2. A process of manufacturing nickel carbonyl from nickel mattes and similar materials of non-metallic character which comprises pulverizing a nickel matte to a powder, incorporating a binding agent capable of promoting the reaction between carbon monoxide and nickel in said powder, forming said powder into solid briquettes, arranging said briquettes in a mass substantially free from powdered matte, and passing carbon monoxide through said mass of briquettes while under pressure to form nickel carbonyl whereby an extraction of practically all of the nickel may be effected.

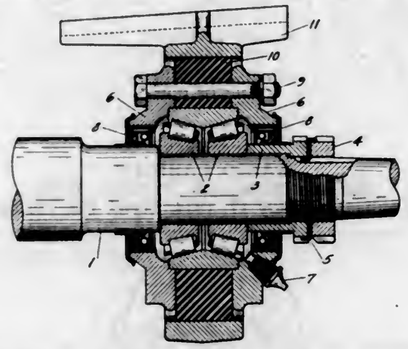
2,070,080
GERMICIDAL PREPARATION
Merrill C. Hart, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich.
No Drawing. Application December 31, 1934, Serial No. 760,042
4 Claims. (Cl. 167—71)

1. A germicidal preparation comprising orthohydroxyphenylmercuric chloride in such concentration that alone it would be merely bacteriostatic, and an alkylated cresol.

2,070,081
BEARING SUPPORT
Raymond Henry, Rock Island, Ill.
Application July 29, 1935, Serial No. 33,702
5 Claims. (Cl. 308—184)

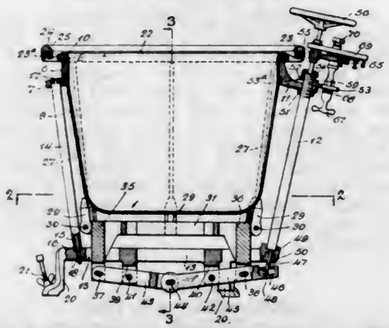
1. In combination, a relatively rotary shaft and support, a yielding cushioning means between the shaft and support, an anti-friction bearing between the shaft and cushioning means and engaged by the latter, and a cage laterally enclosing the bearing and most of the cushioning means, said cage having relatively movable sides of less diameter than the external diameter of the cushioning means, and means extending through said sides and cushioning means to draw

the sides of the cage against the cushioning means and cause expansion thereof against the



bearing and the support and thus secure the two together.

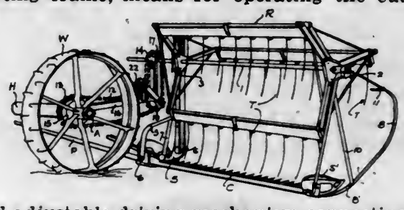
2,070,082
KETTLE DRUM
Franz Horak, Zurich, Switzerland
Application July 14, 1936, Serial No. 90,510
In Switzerland July 4, 1935
5 Claims. (Cl. 84—419)



1. A kettle drum, comprising a ring, a kettle carried by said ring and having upper edges, another ring situated over the first-mentioned ring, a drum-head stretched over the second-mentioned ring and said edges of said kettle, a support, distancing tubes connected with said support and the first-mentioned ring and supporting the first-mentioned ring, a third ring having a horizontal surface engaging the second-mentioned ring, a movable frame, means connecting said movable frame with the third-mentioned ring, a lever pivotally mounted in said support and connected with said frame, and an adjusting mechanism having a member engaging said lever for moving the same.

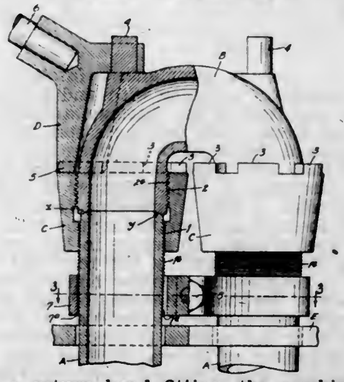
2,070,083
HARVESTER
Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation
Application November 2, 1935, Serial No. 48,024
4 Claims. (Cl. 56—224)

1. The combination in a mower of the sickle type with its adjustable cutter and frame, of a supporting frame mounted on each of the ends of said cutter frame, and one of said supporting frames having a rocker-portion, a rotary reel having a shaft mounted to revolve in each supporting frame, means for operating the cutter,



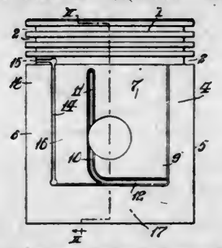
and adjustable driving mechanism connecting an operating part of the mower with said reel shaft.

2,070,084
TUBE CONNECTING DEVICE
Frederick E. Key, St. Louis, Mo., assignor to Key Company, a corporation of Missouri
Application August 1, 1932, Serial No. 627,189
7 Claims. (Cl. 285—20)



1. In a return bend fitting, the combination of two tubes, a tube sheet through which said tubes project, a removable U-bend for establishing communication between the interior of said tubes, means for holding said U-bend in operative relationship with the tubes, and a clamp apart from said means arranged transversely of the tubes between the tube sheet and the U-bend and having internally threaded portions that surround externally threaded portions of the tubes.

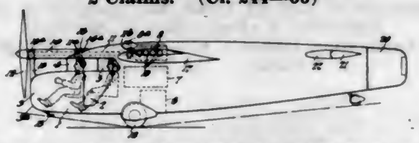
2,070,085
PISTON FOR INTERNAL COMBUSTION MOTORS
Elmer C. Long, Grosse Pointe Park, Mich.
Application May 1, 1933, Serial No. 668,687
9 Claims. (Cl. 309—11)



1. A piston for an internal combustion motor comprising a head having a side wall, pin bosses, and a pair of thrust sides, one of said thrust sides being formed continuous with the side wall

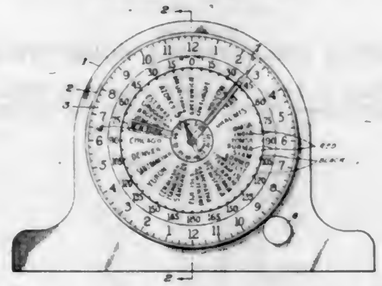
of the head and the other thrust side being separated from the side wall of the head by a transverse slot, a leg depending from the side wall of the head between each pin boss and the separated thrust side, said legs being free from engagement with the pin bosses, a tie member connecting said thrust sides and having a head at one end which is slidably secured in said separated thrust side, and resilient expanding means cooperable at its ends with said thrust sides.

2,070,086
AEROPLANE
James Martin, Higher Denham, near Uxbridge, England
Application February 17, 1936, Serial No. 64,304
In Great Britain February 18, 1935
2 Claims. (Cl. 244—55)



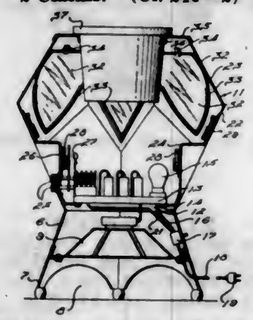
2. In a tractor aeroplane, a fuselage, a nose in streamline continuity with and forming the closed front end of the fuselage, a window with side and front vision forming a step joining the front end of the top of the fuselage and an inner end of said nose, a central longitudinal propeller shaft extending in front and rear of and above said window, a strut upstanding from the front end of the nose and supporting the front end of the propeller shaft, an engine in the upper part of the fuselage receiving the rear end of said shaft, a longitudinal tubular housing enclosing the part of the shaft extending beyond the fuselage, said housing being joined at its front end to said strut and merging in substantially streamline continuity at its rear end into the top of the fuselage, and passenger seating and leg room in the nose entirely beneath the shaft and in front of said engine.

2,070,087
CLOCK
Frank Landon McNair, Natural Bridge Station, Va.
Application July 2, 1935, Serial No. 29,462
1 Claim. (Cl. 58—43)



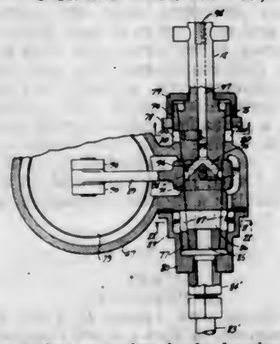
In a universal clock, the combination with a fixed dial having adjacent to its periphery numerals from "1" to "12" twice in succession, and within the circle of such numerals and adjacent thereto a scale of degrees indicative of longitude, part of the dial being occupied by the names of places and countries, a clock mechanism comprising a minute-hand which operates in the usual manner and an hour-hand that makes one revolution in twenty-four hours, of means for revolubly supporting said clock mechanism and for manually rotating said clock mechanism, and a combined hand and minute dial attached to said revoluble clock mechanism at the center of the aforementioned fixed dial, said hand of the minute dial adapted to overlie any one of said names of places or countries.

2,070,088
RADIO CABINET
Antonio Montaruli, Pontiac, Mich.
Application May 17, 1934, Serial No. 726,117
2 Claims. (Cl. 240—2)



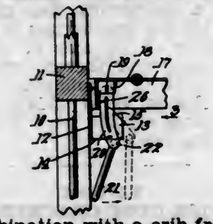
1. In combination, a cabinet having enclosing walls on all sides, a radio receiver chassis supported within the cabinet intermediate the top and bottom of the latter, a radio loudspeaker supported within the cabinet and immediately below said chassis, said loudspeaker being directed downwardly, said walls at points below the loudspeaker being adapted to permit egress of sound, and said walls at points above said chassis having transparent portions, a top for said cabinet, said top having an opening therein, and a removable closure member associated with said opening.

2,070,089
IRRIGATION SYSTEM
Patrick De Lacy-Mulhall, Los Angeles, Calif.
Application March 21, 1932, Serial No. 600,136
Renewed July 8, 1936
3 Claims. (Cl. 277—31)



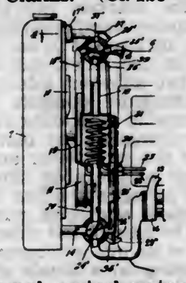
1. In a valve, a valve body having a tapered valve seat leading to a discharge passage, said seat having an annular passage leading into it and connecting to an inlet passage, a tapered valve closure cooperating with the seat to control communication between the annular passage and the discharge passage, the taper being in such direction that the pressure of the fluid controlled by the valve is in a direction to urge the closure to opening position, means forming a chamber over the valve closure in which any fluid pressure urges the valve closure toward sealing position, and a rotatable control member accommodated by the valve body, said valve body and member having a plurality of cooperating sets of ports, adapted to be alined and out of alinement as said control member is rotated between its extreme positions, one set of ports controlling the admission of the fluid to the chamber, and another set of ports controlling the venting of the chamber, the ports being arranged in such manner that the admission ports are closed at substantially the same time as the venting ports open, and the venting ports are later then closed as the control member is further rotated.

2,070,090
CRIB SIDE DROP
Herbert W. Neunherz and George W. Atwood, Gardner, Mass., assignors to Gem Crib & Cradle Company, Gardner, Mass., a corporation of Massachusetts
Application June 1, 1934, Serial No. 728,564
2 Claims. (Cl. 5—100)



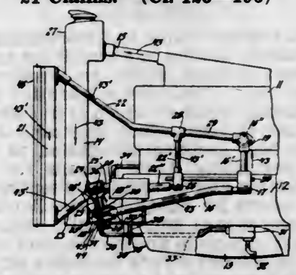
1. The combination with a crib frame, a vertically movable front frame supported thereby, and supporting projections extending rearwardly from the bottom of the front frame, of pivot supports on the front of the crib frame, plates pivoted to depend from said pivot supports, a single bar secured at both ends to said plates located at the rear of the pivots for the plates, the supporting projections resting on said bar and a foot trip carried by said bar and extending forward, whereby the weight of the front frame tends to swing said foot trip outwardly.

2,070,091
ENGINE AND OIL TEMPERATURE CONTROL SYSTEM
Frank N. Nutt, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 11, 1929, Serial No. 391,829
18 Claims. (Cl. 123—196)



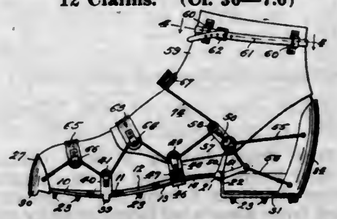
1. In a thermal control system for an engine provided with lubricating means: a radiator connected with said engine by a pipe for heated engine-cooling liquid and a pipe for cooled engine-cooling liquid; an intermediate receptacle; connections between the pipes and the receptacle whereby liquid from either of the pipes may be passed through the receptacle means, associated with said receptacle, for effecting a heat exchange between liquid from said pipes and a lubricant liquid; and means for so varying the flow of one of said liquids through said receptacle as to vary the rate of such heat exchange,—said connections including by-pass pipes to and from said pipe for heated liquid.

2,070,092
OIL COOLING SYSTEM
Walter R. Ramsaur, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 11, 1929, Serial No. 354,245
Renewed March 22, 1933
21 Claims. (Cl. 123—196)



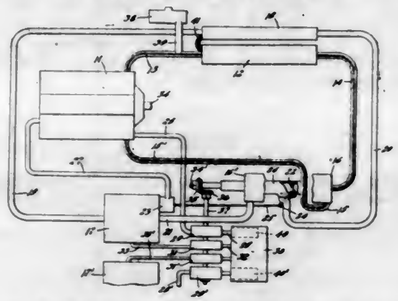
1. An engine having a water cooling system including a radiator, means for causing flow of water through the system, said engine being provided with a lubricating system including an oil cooler, a water cooling system for said oil cooler including an auxiliary radiator, means for causing flow of water through said last named system, and a connection between said cooling systems, said cooling systems being complete irrespective of said connection.

2,070,093
SPIKED SANDAL
Charles Oscar Roe, Redondo Beach, Calif.
Application November 6, 1935, Serial No. 48,479
12 Claims. (Cl. 36—7.6)



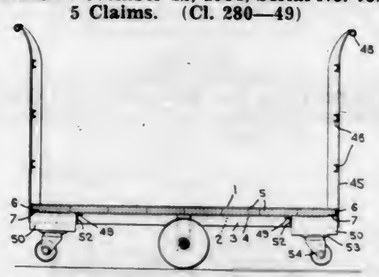
3. In a spiked sandal, an articulated member comprising a plurality of hingedly connected plates adapted to underlie the sole and heel of a boot or shoe, a spat adapted to be applied to the ankle portion of the boot or shoe, flexible members connected to the sides of the articulated sole and heel engaging member and a grooved knob mounted for rotation on the spat and to which knob the ends of the flexible members are connected for imparting tension to said flexible members and thereby secure the articulated sole and heel engaging member upon the shoe or boot.

2,070,094
OIL AND ENGINE COOLING SYSTEM
Eric O. Schjolin, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application October 26, 1929, Serial No. 402,694
17 Claims. (Cl. 123—196)



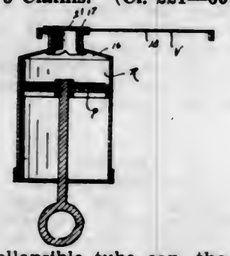
1. In an engine-cooling and lubricating system: a main radiator section in a circuit for an engine-cooling heat-transfer liquid; an auxiliary radiator section in a circuit for a lubricant temperature regulating liquid in which is included a heat transfer unit through which lubricant is adapted to flow in heat exchanging relation to the temperature regulating liquid; means for variably interconnecting and conditionally separating said circuits; means for advancing the liquid in said circuits; and means automatically compensating for unequal expansion and flow in said circuits,—said last-mentioned means including an overflow connection between said radiator sections.

2,070,095
FLOOR TRUCK
Frederick J. Shepard, Jr., West Newton, and Nathaniel Warshaw, Mattapan, Mass., assignors to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application November 12, 1934, Serial No. 752,649
5 Claims. (Cl. 280—49)



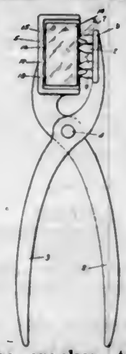
1. A floor truck having a deck comprising wooden floor boards bounded by an integral all-steel frame structure having side members each fabricated from associated longitudinally extending angle bars having their horizontal flanges extending in parallelism and their downwardly extending vertical flanges overlapped and welded together to provide a channel embracing the ends of said wooden floor boards, transverse steel angle bar end girders extending into the channels of said side members and welded at their ends to said side members, structural steel wheel hangers of channel shape located at a distance from one end of said deck having their upper ends abutting and welded to the horizontal flanges of said lower angle bar and their flanges welded to the vertical flanges of said lower angle bar, journal boxes mounted in the lower ends of said wheel hangers between the flanges of the channels and welded thereto, a shaft extending through said journal boxes, wheels mounted upon said shaft.

2,070,096
CLOSURE
Leon G. Smith, Salt Lake City, Utah
Application June 19, 1935, Serial No. 27,284
3 Claims. (Cl. 221—60)



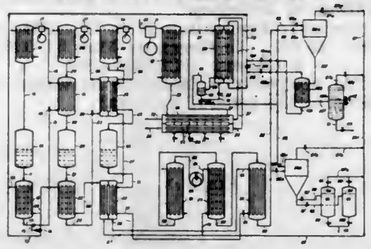
1. In a collapsible tube cap, the combination of a single piece of metal formed into semi-cylindrical neck sections formed together into a neck and a connecting flap piece of metal bent to form the top and bottom of a rectangular slot transversely of the axis of said neck portion at the outer end thereof when assembled in the open neck of a collapsible tube; and a single-piece closure valve slidably mounted in said slot to close off the port through the top flat piece of the cap.

2,070,097
ICE CUBE CRACKER
Lester E. Stipe, Portland, Oreg.
Application September 16, 1935, Serial No. 40,737
1 Claim. (Cl. 83—63)



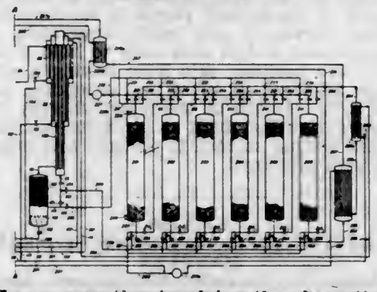
In an ice cube cracker, two pivotally connected levers, opposed handles on one end of each lever adapted to be grasped in one hand, a box-like receptacle on the other end of one of the levers open on two adjacent sides to receive an ice cube, the two sides opposite the openings having spaced parallel supporting ridges on their inner faces, a rectangular flat plate member on the other end of the other lever and adapted to register with one of the open sides of the receptacle, spaced prongs extending from one side of the plate toward said open side, the prongs being sharpened to present flat chisel-like cutting edges all lying in a single plane but extending in different directions whereby to produce diagonal fractures of the contained cube as the levers are manually forced together.

2,070,098
METHOD OF REMOVING HYDROGEN SULPHIDE FROM HYDROCARBON GASES
Lee S. Twomey, Vista, Calif.
Application May 9, 1934, Serial No. 724,696
16 Claims. (Cl. 62—175.5)



1. The method of separating hydrogen sulphide from natural gas which comprises: compressing a stream of said gas; removing the heat of compression from said stream; cooling said stream to a temperature below the freezing point of water, whereby said stream is substantially dehydrated; further cooling said stream to approximately 195° K.; separating from said stream any hydrogen sulphide liquefied in said further cooling step; introducing said stream into a chamber and intermixing with said stream a cycled stream of purified gas previously cooled to approximately 151° K., the volumetric proportions of said streams being such that the temperature of the mixture in said chamber is maintained at approximately 160° K., whereby substantially all the hydrogen sulphide remaining in first said stream is frozen and hydrocarbon constituents of said gas are condensed; withdrawing from said chamber a stream of said condensate entraining frozen particles of hydrogen sulphide; separating said particles from said condensate stream; withdrawing a stream of gas from said chamber; adding said separated condensate stream to said gas stream; heating said intermixed stream to vaporize said condensate; withdrawing from said intermixed stream a stream of said mixture and cooling said withdrawn stream to approximately 151° K. to supply said cycled stream, and discharging the remainder of said intermixed stream as natural gas substantially free from hydrogen sulphide.

2,070,099
METHOD OF SEPARATING AND PURIFYING GASES
Lee S. Twomey, Vista, Calif.
Application May 9, 1934, Serial No. 724,698
10 Claims. (Cl. 23—210)



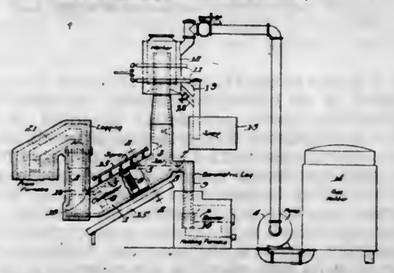
1. In an operation involving the absorption of impurities from a gas at low subatmospheric temperature by passage of said gas through precooled bodies of solid absorbent materials, the method of precooling said bodies which comprises: passing a stream of a gas initially at said low temperature through a plurality of initially warmer bodies in series, whereby said bodies are progressively cooled and said stream is warmed; withdrawing the first body of said series when said body has attained approximately the initial temperature of said cold gas stream, and adding a further warm body to said series at the discharge end thereof before the discharge temperature of said stream falls materially below the initial temperature of said warm bodies.

2,070,100
FRACTIONATING TOWER
Lee S. Twomey, Vista, Calif.
Application October 26, 1934, Serial No. 750,166
8 Claims. (Cl. 202—158)



2. In a fractionating column having fractionating plates: an inner column in free vapor communication at only its lower end with a surrounding outer column, said inner and outer columns having independent and noncommunicating vapor outlets at their respective upper ends, said inner column being provided with means for controllably withdrawing heat from its upper end, said means being independent of heat conduction to fluids contained in the outer column.

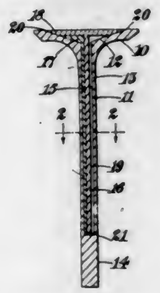
2,070,101
CONDENSATION OF METALLIC VAPORS
George F. Weaton and Herand K. Najarian, Beaver, Pa., assignors to St. Joseph Lead Company, New York, N. Y., a corporation of New York
Application May 5, 1936, Serial No. 78,060
In Great Britain February 11, 1935
18 Claims. (Cl. 266—19)



3. The method of condensing zinc vapor which comprises providing a mass of molten zinc cir-

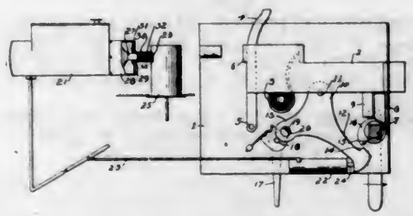
cumferentially confined except at opposite ends thereof, conducting gases and zinc vapor from a furnace to the exposed surface of said mass at one end thereof, drawing off the gases from a space above the exposed surface of said mass at the opposite end thereof by suction, thereby raising the level of the exposed surface of the liquid zinc at said latter end and depressing it at the former end so that the lower exposed surface is brought to a level that permits said gases and vapor to flow into said body of liquid at least 12 inches below its upper exposed surface, and retaining said vapor in said mass for sufficient time to condense substantially all of it.

2,070,102
ENGINE POPPET VALVE
Henry Weslake, Putney Hill, London, England
Application December 4, 1935, Serial No. 52,901
In Great Britain December 8, 1934
11 Claims. (Cl. 123—188)



1. A poppet valve comprising a head and a hollow stem of steel, a tubular resilient metal core disposed within said stem in contact therewith and having a slot extending along the length of the core.

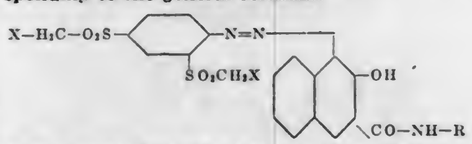
2,070,103
LOCK OPERATING MEANS FOR AUTOMOBILES
Arthur Wiebe, near Salinas, Calif.
Application June 26, 1935, Serial No. 28,497
1 Claim. (Cl. 70—14)



In a device of the character described, the combination of an hydraulic cylinder provided with a projecting piston, a member mounted on one end of said cylinder to overlie the adjacent piston end, a cylinder having a closed end movably fitted over and resiliently seated on said piston end, and projecting beyond said member, stop means inserted between the cylinder and member, and a key controlled lock having a projectable bolt operatively disposed adjacent the hydraulic cylinder with its bolt engaging the closed end of the second cylinder whereby projection of the bolt will actuate the piston.

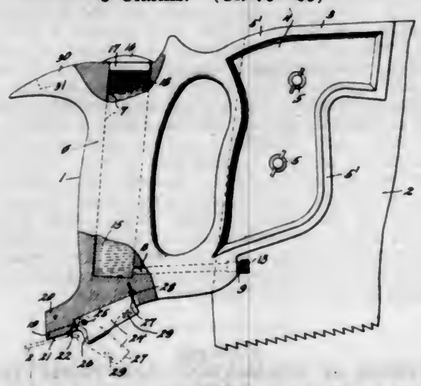
2,070,104
AZODYESTUFFS INSOLUBLE IN WATER
Werner Zerweck, Frankfort-on-the-Main-Fechenheim, and Norbert Steiger, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 15, 1934, Serial No. 725,821. In Germany May 23, 1933
8 Claims. (Cl. 260—95)

1. The azodyestuffs insoluble in water corresponding to the general formula:



wherein one of the X's is selected from the group consisting of hydrogen, alkyl and phenyl, the other X is selected from the group consisting of alkyl and phenyl, and R means a radical of the benzene series, which dyestuffs are distinguished by clear fast yellow to golden-orange shades being as yellowish as hitherto not obtainable by means of dyestuffs of this series.

2,070,105
SAW SETTER
James N. Alexander, Birmingham, Ala.
Application August 18, 1934, Serial No. 740,517
3 Claims. (Cl. 76—65)

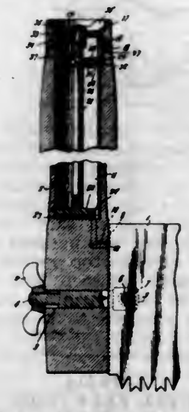


1. A saw setter comprising a handle having a recess therein, an anvil member mounted on said handle adjacent said recess, a lever pivotally mounted at one end in said recess, said lever adapted to lie in said recess in its inoperative position, means in said recess cooperating with the unpivoted end of said lever to hold it in its inoperative position, said lever having a setting surface adjacent its pivot and extending at an angle to the length of the lever, whereby when the lever is swung about its pivot out of said recess the setting surface is brought into engagement with said anvil.

2,070,106
GRAVITY FEED FOR CROSS-CUT SAW HANDLES
James N. Alexander, Birmingham, Ala.
Application December 27, 1934, Serial No. 759,390
5 Claims. (Cl. 145—35)

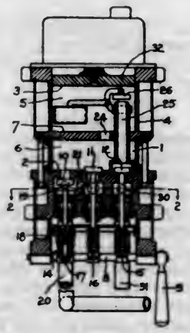
1. A saw comprising a blade, a handle therefor, a reservoir for a lubricant within the handle, a

channel extending from the base of the reservoir to the face of the handle adjacent one side of the blade, another channel extending from the base of the reservoir to the opposite side of the blade, means for selectively placing the channels in communication with the reservoir or for closing



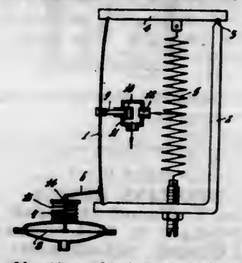
both of said channels, a breather aperture at the top of the reservoir, and means cooperating with said first mentioned means for closing said breather aperture when neither of the channels is in communication with the reservoir and opening the breather aperture when either is in communication therewith.

2,070,107
DRINK DISPENSING DEVICE
Howard C. Allen, Vancouver, British Columbia, Canada
Application June 12, 1935, Serial No. 26,285
4 Claims. (Cl. 225—9)



2. A drink dispenser comprising a normally sealed vessel having a bottom wall and a top wall, said bottom wall having three valves, means for operating said valves, one valve serving as liquid inlet, one as air relief outlet and one as liquid discharge, said air relief having a pipe having an open end adjacent the upper wall, and means for progressively opening the liquid inlet, the air relief outlet and the liquid discharge valve, said vessel having an automatic valve adapted to discharge liquid from the vessel in response to a predetermined pressure within the vessel, said automatic valve being arranged to communicate with the outlet to the liquid discharge valve.

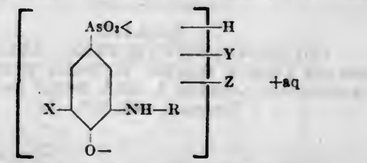
2,070,108
ADJUSTING DEVICE
Adolf Bargeboer, The Hague, Netherlands
Application June 16, 1931, Serial No. 544,831
In the Netherlands February 2, 1931
10 Claims. (Cl. 236—1)



1. In an adjusting device, an elongated elastic element loaded longitudinally by a substantially unvarying force approximately equal to the critical collapsing load of the element and laterally by a variable internal moment tending to bend said element, the longitudinal force being independent of said internal moment and being applied longitudinally of the element when the same is straight and coincident with the chord thereof when the element is bent.

2,070,109
EASILY SOLUBLE SALTS OF ACYLAMINO-PHENOL-ARSONIC ACIDS
Louis Benda, Frankfort-on-the-Main, and Otto Sievers, Hohe Tanne, near Hanau-on-the-Main, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 18, 1931, Serial No. 563,664. In Germany October 1, 1930
5 Claims. (Cl. 260—14)

1. The di-alkali metal salts of hydroxyacylamino-aryl-arsonic acids of the general formula:

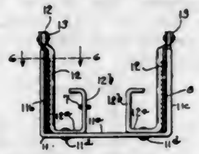


wherein X stands for a member of the group consisting of hydrogen and chlorine, Y for a member of the group consisting of sodium and potassium, Z for a member of the group consisting of potassium and lithium, and R for a member of the group consisting of acetyl and benzoyl, which products are crystalline compounds soluble in threefold their weight of water, very difficultly soluble in strong alcohol and acetone and insoluble in ether.

2,070,110
VENETIAN BLIND CLAMP
Ben Bennett, Richmond Hill, N. Y.
Application July 3, 1935, Serial No. 29,622
7 Claims. (Cl. 156—17)

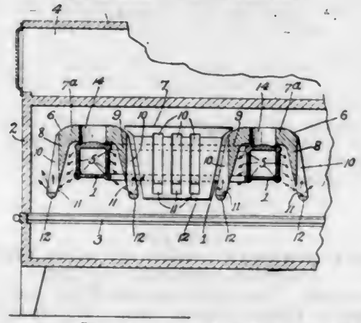
5. In a device of the character described, a support, a clamping element movably connected to the support, said clamping element having a part formed to be moved into clamping engagement with the support, means carried by the clamping element to which the pull cord of a

Venetian blind may be connected, to vary the effective length of said pull cord, and means for



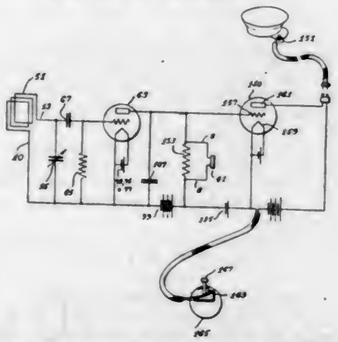
retaining the clamping element in clamped relation with the support.

2,070,111
BROILING DEVICE
Charles V. Blayney, Hinsdale, Ill.
Application February 23, 1934, Serial No. 712,455
3 Claims. (Cl. 158—99)



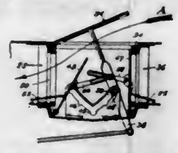
2. A radiant element for broiling devices comprising a top wall and two side walls of heat radiating material, the side walls being separated by a space adapted to receive a burner so that it directs its flames against the inner faces of said side walls, and means for directing the flames upwardly along the exterior of said side walls when the device is in operation.

2,070,112
POLICE-COMMUNICATION SYSTEM
Edward Lindley Bowles, Wellesley Farms, Mass.
Application October 3, 1932, Serial No. 636,006
5 Claims. (Cl. 250—14)



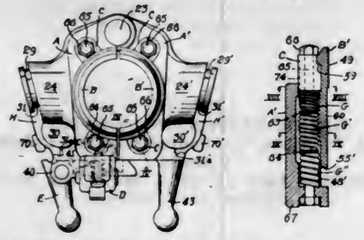
1. A receiving system comprising an insulating form and an insulating dome disposed in a wearer's hat, a receiving loop wound about the insulating form, a signal indicator suspended from the hat adjacent to the wearer's ear, and means connecting the loop and the signal indicator in a receiving system.

2,070,113
MOTOR VEHICLE
James Milford Burgess, Norwalk, Conn.
Application June 12, 1934, Serial No. 730,285
20 Claims. (Cl. 98—2)



1. A combination ventilator and defroster for vehicles, comprising a control chamber with only three openings, including two bottom openings and only one top opening; means cooperating with said control chamber and openings adapted to selectively close all of said openings simultaneously, form one air passage between one bottom opening and the top opening and form a second air passage between the other bottom opening and the top opening; and only one operating lever adapted to variously condition said means.

2,070,114
WELL ELEVATOR
Robert G. Burlingame, McPherson, and John M. Clampitt, Wichita, Kans.
Application February 8, 1934, Serial No. 710,304
15 Claims. (Cl. 294—90)

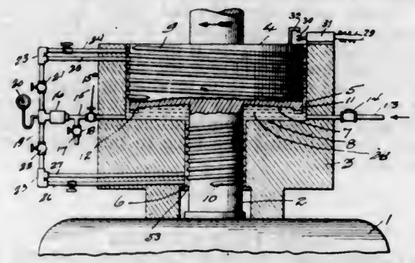


1. An improved well elevator for lifting a stand of drill pipe or casing comprising a pair of hinged jaw members each having a semi-cylindrical bore therein adapted when said jaws are closed, to form with the other semi-cylindrical recess a cylindrical bore extending longitudinally of said jaws and each semi-cylindrical bore having a vertical slot therein, a non-gripping pipe embracing member fitted in each such recess and having a guide formed on the jaw side thereof and fitting into said slot for holding said pipe embracing members against transverse movement while permitting vertical movement thereof, and compressible load carrying means disposed in said slots between said pipe embracing member and said jaw member arranged to transmit a progressively increasing motive force to the pipe as the elevator is brought into contact therewith.

2,070,115
FLUID BEARING
John Beatty Crane, Aberdeen, Wash.
Application November 1, 1934, Serial No. 751,080
6 Claims. (Cl. 308—9)

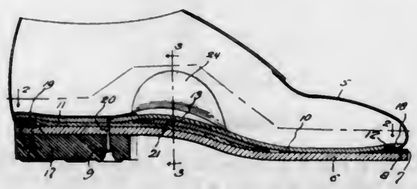
1. A shaft bearing in combination, a shaft formed with a spiral groove extending a portion of its length, a spring metal spiral member seated in the groove and extending out to form a spiral ridge about the shaft, a bearing block about the shaft formed to provide an oil chamber in which the spiral member works, said shaft

being mounted for slight axial movement with respect to the bearing block, a system of fluid distribution, a pump in said system, electrical control means for the pump, a protuberance on the shaft engaging an actuating member on the bearing to engage the electrical control to oper-



ate the same whereby initial pressure is built up in the chamber by the pump, to move the shaft to cushion the same on the body of oil under pressure in the chamber, and said spiral member operating to sustain said pressure and cause the oil to circulate in said system.

2,070,116
ARCH-SUPPORTING SHOE
John Cutillo, Auburn, N. Y.
Application August 18, 1934, Serial No. 740,389
1 Claim. (Cl. 36—8.5)



In a shoe having a built-in adjustable arch support, the combination of an outer sole, a welt stitched on and extending throughout the margin of said outer sole, an insole comprising an upper main section and a lower secondary section, an upper secured between said welt and said insole, said main insole section extending the full length of the outer sole and having only its fore part sewed at the front and sides to the welt, said secondary insole section being sewed to the welt along its side and rear edges and terminating at its forward end substantially at the rear line of the ball of the sole, said main insole section further being slightly greater than usual length and being secured at its heel portion to the heel portion of the secondary insole section so that the shank portion of said main insole section is bulged upwardly to form a permanent yieldable arch support and to provide a space between the shank portions of said insole sections open at both sides of the shoe, and a supplemental arch support adjusting insert removably positioned in said space between the shank portions of the insole sections, said insert being of lesser length than said space and adapted for adjustment in the latter both transversely and longitudinally of the shoe, said insert further having a lateral extension on the inner side of the rear portion thereof curved and projecting outwardly and upwardly beyond the inner sides of the shank portions of the insole sections to raise the inner side portion of said permanent arch support and furnish additional support for the inner side of the arch when the shoe is fastened on the foot, said extension also providing means to facilitate removal or adjustment of said insert.

2,070,117
DIHYDROTACHYSTEROL AND PROCESS OF MANUFACTURING THE SAME
Otto Dalmer and Fritz von Werder, Darmstadt, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 25, 1935, Serial No. 33,191. In Germany July 27, 1934
8 Claims. (Cl. 260—153)

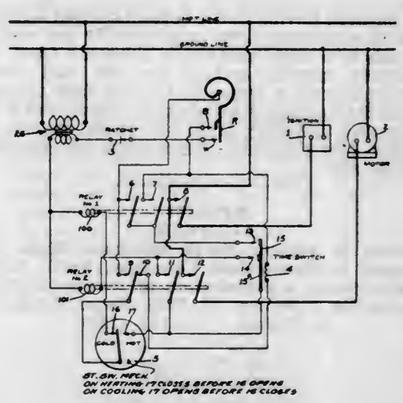
1. Dihydrotachysterol of the formula $C_{28}H_{46}O$, having in alcoholic solution a rotation power

$$[\alpha]_D^{20} = +20°$$

and an absorption spectrum having maxima at 242, 250 and 261μ, having an increasing efficacy on the blood calcium level.

2. In the process of manufacturing dihydrotachysterol, the step which comprises subjecting tachysterol-3,5-dinitro-4-methyl-1-benzoate to the treatment with sodium in the presence of an absolute lower aliphatic alcohol.

2,070,118
BURNER APPARATUS CONTROL MECHANISM
Frederick S. Denison and John P. Kriechbaum, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 18, 1931, Serial No. 545,350
15 Claims. (Cl. 158—28)



1. A heating system including a fuel feeder and means for controlling it, an igniter and means for controlling it, a safety switch adapted to render the system inoperative, and means controlled by the combined action of the fuel feeding and ignition control means for opening the safety switch after a plurality of fuel feeding operations while the igniter is active.

2,070,119

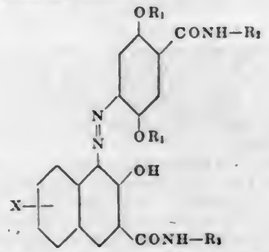
AZO-DYESTUFFS INSOLUBLE IN WATER

Ernst Fischer, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 7, 1936, Serial No. 78,489. In Germany May 14, 1935

4 Claims. (Cl. 260—95)

1. The water-insoluble azo-dyestuffs of the following general formula:



wherein X stands for one of the group consisting of hydrogen, methoxy and bromine, R_1 means an alkyl radical and R_2 and R_3 stand for members of the group consisting of radicals of the benzene and naphthalene series, yielding violet to blue lakes which are fast to oils and to light and, when incorporated with rubber mixtures, violet to blue products of good fastness to light and to vulcanization.

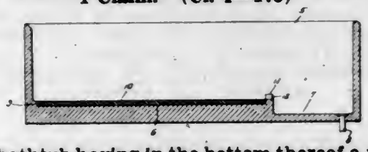
2,070,120

BATHTUB

Isaac B. Gardiner, Trenton, N. J.

Application March 4, 1936, Serial No. 67,120

1 Claim. (Cl. 4—173)



A bathtub having in the bottom thereof a raised portion extending from substantially one end of the tub to a point materially inwardly from the relatively opposite end of the tub, said raised portion having a recess in the top face thereof, a mat fitting snugly within said recess, and a rib projecting upwardly from the raised bottom of the tub and provided intermediate its end with a drain slot.

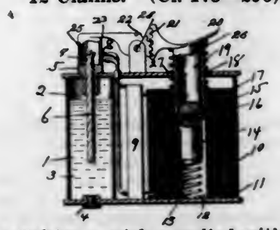
2,070,121

LIGHTER

Thomas M. Gibson, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts

Application February 25, 1936, Serial No. 65,724

12 Claims. (Cl. 175—296)



1. In a lighter a wick supplied with a combustible substance, separated electrical contacts adjacent the wick, a cover for the wick, a thumb piece for removing the cover from the wick, a hollow coil of wire, a condenser connected with the coil and with the contacts, a magnetic plunger in the hollow of the coil, a spring supporting the plunger, spring held bolts protruding from the plunger, a tube carried by the thumb piece and normally engaging the bolts so that pressure on the thumb piece operates the cover and causes the tube to engage the bolts to depress the plunger against its spring until it overcomes the resistance of the bolts and frees the plunger to be returned by its spring thus producing electric energy to cause a spark to jump between the contacts and ignite the combustible substance, and means for returning the tube to position to engage the bolts.

2,070,122

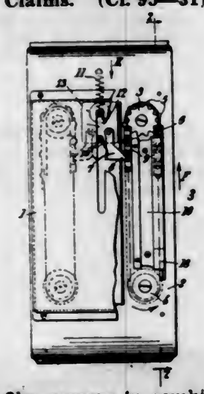
ROLL FILM CAMERA

Leo Goldhammer, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application November 6, 1934, Serial No. 751,776

In Germany November 9, 1933

4 Claims. (Cl. 95—31)



1. In a roll film camera in combination, a casing, a take-up box and a paying-off box, a chamber provided in the upper and the lower part of said casing for receiving said boxes, means for guiding a film past an aperture from said paying off box to said take-up box, a lid for closing said casing, and means adapted to engage an unperforated film for advancing said film from said paying-off box to said take-up box, and means for maintaining said film advancing means in continuous engagement with an unperforated film.

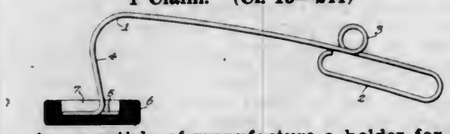
2,070,123

BATH SPONGE

George Wallace Grant, Bucyrus, Ohio

Application May 1, 1935, Serial No. 19,286

1 Claim. (Cl. 15—244)



As an article of manufacture a holder for insertion into a recess in a rubber bath sponge, said holder comprising a single length of stiff wire providing a handle at one end and offset at its other end to provide a stem, said stem upstanding from and constituting a continuation of the central portion of a substantially elliptical loop adapted for insertion into said recess in the sponge, the loop being disposed in a plane extended toward the handle.

2,070,124

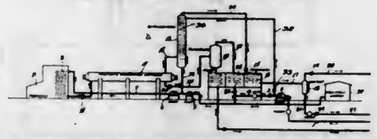
PROCESS OF DECOMPOSING RELATIVELY HIGH BOILING POINT OILS INTO RELATIVELY LOW BOILING POINT OILS

Ralph A. Halloran and Archie L. Strout, Berkeley, Calif., assignors, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a Corporation of Delaware

Application March 21, 1927, Serial No. 176,990

Renewed May 9, 1929

13 Claims. (Cl. 196—58)



1. A continuous process of decomposing oils into a relatively high yield of relatively low boiling point oils and a substantially sediment free liquid residuent suitable for fuel oil which includes passing the oils in a relatively small stream once through a heating zone wherein the oils are rapidly heated to a temperature of not less than 800° F., while subjected to a pressure of not less than 200 pounds per square inch, discharging said oils from said heating zone into a vaporizing zone without substantial reduction of pressure and through which a substantially uniform rate of flow and separate discharge of desired low-boiling point vapors and unvaporized oils is maintained and in which further decomposition takes place but substantial degeneration of the heavy residuents of cracking into a material amount of coke is prevented by maintaining in said vaporizing chamber such a relation of pressure to temperature therein as to provide dilution of said heavy residuents with a proportion of lighter oils not readily decomposed into coke under such temperature and pressure and by removing such diluted heavy residuents therefrom before such residuents have been subjected to decomposing conditions for such time as might otherwise cause such degeneration, whereby there may be obtained from said diluted liquid residuents a substantially sediment free fuel oil.

2,070,125

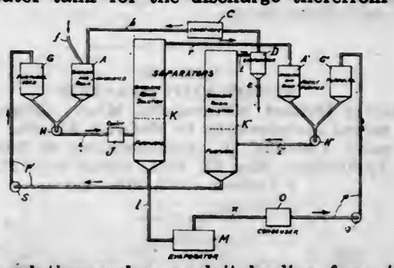
APPARATUS FOR REFINING ROSIN

Roy S. Hancock, Kenvil, N. J., and Arthur Langmeier, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application January 14, 1931, Serial No. 508,690

3 Claims. (Cl. 87—2)

3. Apparatus for the refining of rosin, which includes a container for a rosin solution, a container for a reagent in liquid state capable of removing color bodies contained in rosin, a separator tank, a body of said reagent in the lower portion of said separator tank, a pump, conduits connecting the inlet side of said pump with said containers for rosin solution and reagent, a conduit connecting the discharge side of said pump with said separator tank at a point below the level of the body of said reagent in the lower portion of said separator tank whereby rosin solution and reagent may be drawn into said pump, admixed therein and discharged into the body of reagent adapted to be contained in said separator tank, a conduit leading from adjacent the top of said separator tank for the discharge therefrom of



rosin solution and a conduit leading from the bottom of said tank for the discharge therefrom of reagent.

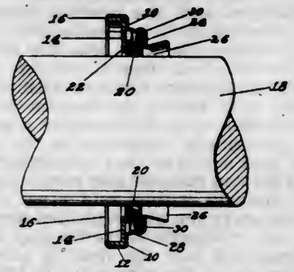
2,070,126

GREASE RETAINER WITH OIL SPLASHER

William A. Heinze, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois

Application March 8, 1935, Serial No. 10,054

4 Claims. (Cl. 288—1)



1. A grease retainer comprising an outer shell, a reinforcing washer therein, a pliant diaphragm in the shell and a mounting for the diaphragm, said mounting comprising an armor positioned against one face of the diaphragm, and an oil splash ring integral with the armor and extending beyond the shell.

2,070,127

PROCESS OF PREPARING COMPOUNDS OF THE THIOUREA SERIES

Josef Hilger, Leverkusen-Wiesdorf, Anton Ossenbeck, Cologne-Mulheim, and Ernst Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 31, 1933, Serial No. 673,790. In Germany June 13, 1932

1 Claim. (Cl. 260—125)

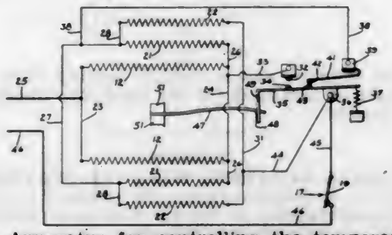
The process which comprises reacting upon a compound of the general formula:

halogen—CO—R—N=C=S

wherein R stands for a radical of the benzene series, with an about equimolecular proportion of a compound of the group consisting of ammonia and primary and secondary watersoluble amines, in an aqueous acid medium having a hydrogen ion concentration pH=about 3 to about 6, at a temperature between 15° C. and about 30° C., and reacting upon the condensation product formed with an about equimolecular proportion of a compound of the group consisting of ammonia and primary and secondary watersouble amines in an aqueous neutral or weakly alkaline

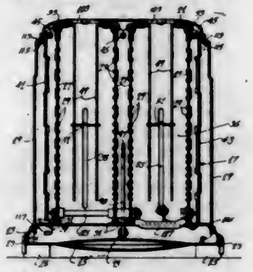
medium having a hydrogen ion concentration pH=7 to about 10, at a temperature between 15° C. and about 30° C.

2,070,128
AUTOMATIC TOASTER
Murray Ireland, Minneapolis, Minn., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application May 24, 1934, Serial No. 727,288
9 Claims. (Cl. 219—19)



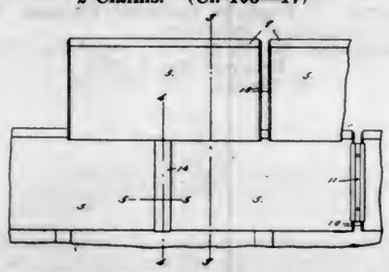
3. Apparatus for controlling the temperature within a confined area, comprising heating elements, a plurality of resistance elements electrically associated with the heating elements, and a switch mechanism for automatically connecting the resistance elements into the heating circuit or disconnecting them therefrom in accordance with temperature changes within said confined area, said switch mechanism including a pivoted member normally engaging a plurality of contacts electrically connected to the resistance elements, and a thermo-bar operatively engaged with said pivoted member and responsive to temperature changes within said area, thereby to control the operation of the pivoted member, and whereby the resistance elements may be successively connected into the heating circuit, after initial starting of the apparatus, to thereby prevent overheating thereof.

2,070,129
TOASTER CASING
Murray Ireland, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application November 9, 1935, Serial No. 49,001
13 Claims. (Cl. 53—5)



1. A toaster of the oven type comprising a toasting-chamber structure, an outer casing spaced from and surrounding the toasting chamber structure and having an inturned flange at its upper edge, a top cover having a peripheral edge portion received below the inturned flange of the outer casing, a substantially flat-top base below the toasting-chamber structure and the outer casing and having a shouldered flange at its upper face within and near its outer periphery adapted to receive the lower edge of the outer casing and position the same on the base and depending ears on the outer casing adapted to extend through the base and then angularly relatively thereto to draw the top cover against the upper end portion of the toasting-chamber structure.

2,070,130
SHINGLE
Warren B. Johnson, Lubbock, Tex.
Application January 2, 1936, Serial No. 57,304
2 Claims. (Cl. 108—17)

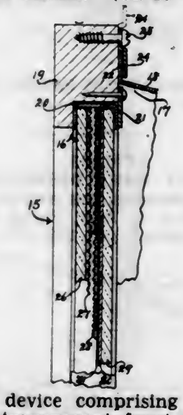


1. A roofing shingle and interconnecting fastening means therefor comprising a body plate having an upstanding edge portion provided with a flange extending at right angles thereto and overlying the body plate, and a second edge portion bent to overlie the body of the shingle at an underlying side thereof opposite to the first named overlying flange and providing with the body of the shingle a channel for receiving the flanges of similar shingles to provide a joint between the lapping and lapped edges of the shingles, said shingle being also provided at its respective opposite end edges with upstanding flanges, and joint members for securing the confronting ends of adjacent shingles together, one of said joint members comprising a body plate adapted for disposition between a shingle and the roofing structure and having at one edge an upstanding flange having side members projecting laterally therefrom for disposition between the end flanges of adjacent shingles, said side members having reversely bent edges forming external channels to receive end flanges of adjacent shingles, and said upstanding flange of the joint also having a part projecting outwardly therefrom in a direction perpendicular to said side and provided with a reversely bent end portion forming a channel to receive the right angularly disposed flange of a third shingle bridging the joint with the aforementioned adjacent shingles, and said sides of the joint member also having at their lower corners points adapted to be driven into the roofing structure.

2,070,131
MANUFACTURE OF CONDENSATION PRODUCTS FROM ALIPHATIC ALDEHYDES
Walter Philip Joshua, London, and Herbert Muggleton Stanley, Great Bookham, England, Otto Fuchs, Frankfort-on-the-Main, and Wilhelm Querfurth, Mainz-Mombach, Germany, and John Blair Dymock, Cheam, England
No Drawing. Application March 27, 1934, Serial No. 717,678. In Great Britain October 26, 1931
32 Claims. (Cl. 260—106)

1. The process of producing valuable condensation products from aliphatic aldehydes comprising subjecting such aliphatic aldehydes in conjunction with hydrogen to the action of a mixed catalyst comprising a compound taken from a group consisting of alumina, uranium oxide, thoria, beryllium oxide and zirconium oxide as the preponderant constituent in admixture with a substance taken from a group consisting of copper, nickel, silver, chromium, cadmium, zinc, tin, manganese and cobalt and the oxides thereof, said substance not exceeding in quantity 10% by weight of the complete catalyst and the reaction temperature ranging from about 150° C. to about 400° C.

2,070,132
ELECTRIC FLASH SIGN
Richard Kamm, Chicago, Ill.
Application August 26, 1936, Serial No. 97,887
4 Claims. (Cl. 40—132)



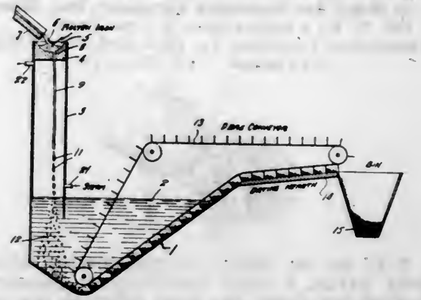
1. A sign device comprising a sign member including a transparent front panel, a meshed member at the rear thereof bearing means providing the front sign portion, a transparent rear member bearing opaque means providing the rear sign portion, screening means positioned to the rear of said front sign portion, and thin translucent and reflective means positioned in front of said rear member with its rear sign portion, thereby providing translucent shielding and separating means between the two sign portions to make each sign portion distinctly visible at a time while the other is entirely invisible.

2,070,133
FLOTATION OF CEMENT COPPER
Harmon E. Keyes, Miami, Ariz.
No Drawing. Application June 30, 1934, Serial No. 733,249. Renewed July 3, 1936
5 Claims. (Cl. 75—2)

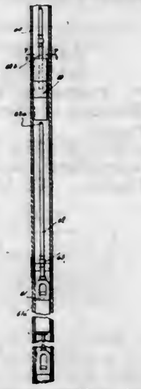
1. In a method of recovering cement copper from an ore pulp by a leaching-precipitation-flotation process the steps of separating from the flotation system products intermediate the concentrate and tailing as to grade, the said products having had their floatability impaired by oxidation subsequent to the precipitation step, producing metallic copper surfaces upon said products, and recovering the metallic copper particles from the pulp by flotation.

2,070,134
PREPARATION AND USE OF IRON AS A PRECIPITANT
Harmon E. Keyes, Miami, Ariz.
Application October 6, 1934, Serial No. 747,256
10 Claims. (Cl. 75—109)

1. In a process for precipitating copper by contacting the copper solution with metallic iron, the step of preparing the precipitant by pouring molten iron in a small stream, breaking up said molten iron stream into rounded particles, introducing said particles into a bath to solidify them, adding said particles to the copper solution, and then crushing said particles in the presence of the solution.



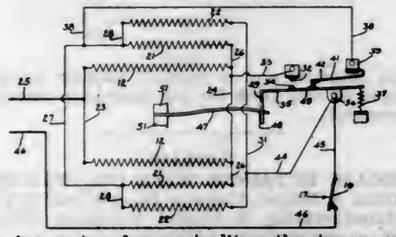
2,070,135
METHOD OF REPAIRING PUMPING APPARATUS IN THE WELL
Harry L. Laughinghouse, Long Beach, Calif.
Application February 20, 1933, Serial No. 657,604
1 Claim. (Cl. 103—202)



The method of reconnecting in a well a severed pump rod normally operating a pump plunger having a predetermined stroke without removing the plunger and its attached broken rod section from the well, without substantially affecting the original pump rod length or the plunger stroke, and without disturbing the column of fluid standing above the plunger; which consists in removing the upper severed rod section from the well without disturbing the lower severed rod section and its associated parts; affixing a grappling coupling to the broken off lower end of said upper section without any substantial change in that section; lowering the said upper rod section and grappling coupling into the well; and operatively connecting said grappling coupling with the broken off end of said lower rod section without disturbing said lower rod section or its attached plunger, to bring the two parted rod ends into end to end and closely adjacent relation, to permit resumption of pumping operations, with said pump rod retaining substantially its normal length, with the pump plunger travelling its normal predetermined stroke, and without disturbing or losing back into the well the column of fluid standing above the plunger.

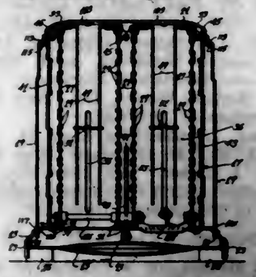
medium having a hydrogen ion concentration pH=7 to about 10, at a temperature between 15° C. and about 30° C.

2,070,128
AUTOMATIC TOASTER
Murray Ireland, Minneapolis, Minn., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application May 24, 1934, Serial No. 727,288
9 Claims. (Cl. 219—19)



3. Apparatus for controlling the temperature within a confined area, comprising heating elements, a plurality of resistance elements electrically associated with the heating elements, and a switch mechanism for automatically connecting the resistance elements into the heating circuit or disconnecting them therefrom in accordance with temperature changes within said confined area, said switch mechanism including a pivoted member normally engaging a plurality of contacts electrically connected to the resistance elements, and a thermo-bar operatively engaged with said pivoted member and responsive to temperature changes within said area, thereby to control the operation of the pivoted member, and whereby the resistance elements may be successively connected into the heating circuit, after initial starting of the apparatus, to thereby prevent overheating thereof.

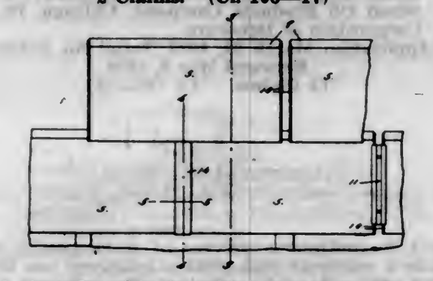
2,070,129
TOASTER CASING
Murray Ireland, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application November 9, 1935, Serial No. 49,001
13 Claims. (Cl. 53—5)



1. A toaster of the oven type comprising a toasting-chamber structure, an outer casing spaced from and surrounding the toasting-chamber structure and having an inturned flange at its upper edge, a top cover having a depending edge portion received below the inturned flange of the outer casing, a substantially flat base below the toasting-chamber structure, outer casing and having a [illegible] its upper face within and near its [illegible] adapted to receive the lower edge [illegible]

casing and position the same on the base and depending ears on the outer casing adapted to extend through the base and then angularly relatively thereto to draw the top cover against the upper end portion of the toasting-chamber structure.

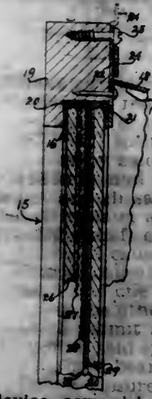
2,070,130
SHINGLE
Warren B. Johnson, Lubbock, Tex.
Application January 2, 1936, Serial No. 57,304
2 Claims. (Cl. 108—17)



1. A roofing shingle and interconnecting fastening means therefor comprising a body plate having an upstanding edge portion provided with a flange extending at right angles thereto and overlying the body plate, and a second edge portion bent to overlie the body of the shingle at an underlying side thereof opposite to the first named overlying flange and providing with the body of the shingle a channel for receiving the flanges of similar shingles to provide a joint between the lapping and lapped edges of the shingles, said shingle being also provided at its respective opposite end edges with upstanding flanges, and joint members for securing the confronting ends of adjacent shingles together, one of said joint members comprising a body plate adapted for disposition between a shingle and the roofing structure and having at one edge an upstanding flange having side members projecting laterally therefrom for disposition between the end flanges of adjacent shingles, said side members having reversely bent edges forming external channels to receive end flanges of adjacent shingles, and said upstanding flange of the joint also having a part projecting outwardly therefrom in a direction perpendicular to said [illegible] with a reversely bent end [illegible] channel to receive the [illegible] of a third shingle [illegible] the aforementioned [illegible] joint [illegible]

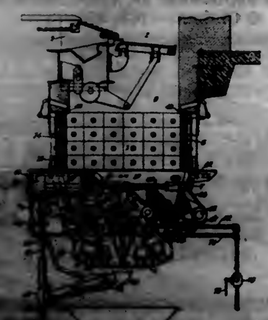
oxide, thoria, beryllium oxide and zirconium oxide as the preponderant constituent in admixture with a substance taken from a group consisting of copper, nickel, silver, chromium, cadmium, zinc, tin, manganese and cobalt and the oxides thereof, said substance not exceeding in quantity 10% by weight of the complete catalyst and the reaction temperature ranging from about 150° C. to about 400° C.

2,070,132
ELECTRIC FLASH SIGN
Richard Kamm, Chicago, Ill.
Application August 26, 1936, Serial No. 97,887
4 Claims. (Cl. 40—132)

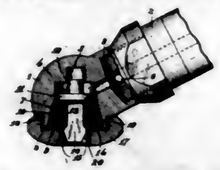


1. A sign device comprising a sign chamber including a transparent front panel [illegible] member at the rear thereof bearing means providing the front sign portion, a [illegible] rear member bearing opaque means providing the rear sign portion, screening means positioned to the rear of said front sign portion, and thin translucent and reflective metal [illegible] in front of said rear member with [illegible] thereby providing [illegible] and separating means between the two sign portions to make each sign [illegible] at a time while the other [illegible]

2,070,152
HOPPER
Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 12, 1932, Serial No. 632,731
6 Claims. (Cl. 110—165)

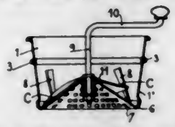


2,070,136
AIR CHUCK
Walter H. Longstreet, Brooklyn, N. Y., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 21, 1934, Serial No. 758,676
11 Claims. (Cl. 284—17)



1. In an air chuck, the combination, with a body having a valve chamber and pasageway leading therefrom, the walls of which are constructed to form a gasket seat, of a valve in said chamber, a gasket loosely mounted in the passageway, and means for retaining the gasket in said passageway, the construction and arrangement being such that when in one position the gasket is in sealing relation to and co-acting with the valve and the retaining means to prevent leakage and upon application to a valve stem said gasket is moved bodily into sealing relation to and co-acting with the gasket seat in the passageway to prevent leakage.

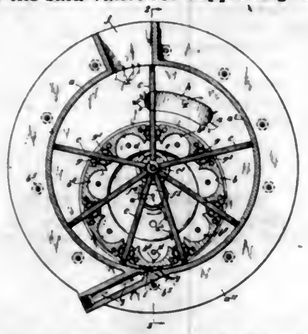
2,070,137
MASHER
Jean Mantelet, Bagnolet, France, assignor to Mantelet & Boucher (Societe en nom Collectif), Bagnolet, France
Application May 4, 1935, Serial No. 19,891
In Luxemburg August 3, 1934
4 Claims. (Cl. 146—175)



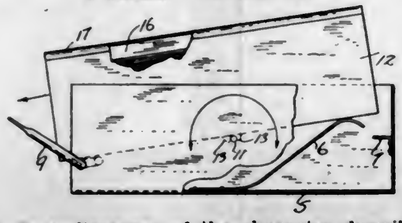
1. A masher which comprises, in combination, a vessel having a perforated bottom adapted to act as a strainer, a plurality of squeezing members pivoted in said vessel about a common axis, the lower edge of each of said members being so shaped as to slide in contact with said bottom and the under surface of said member consisting of two helical portions, one with a larger pitch, which is adjacent to said lower edge, and one with a smaller pitch which forms an introduction surface at the upper part of said member, and means for rotating simultaneously all of said members about said axis.

2,070,138
ROTARY INTERNAL COMBUSTION ENGINE
Brian Leonard Martin, Martins, Abinger Common, England
Application June 3, 1936, Serial No. 83,388
In Great Britain June 28, 1935
15 Claims. (Cl. 123—16)

1. A rotary engine comprising a stator, a rotor eccentrically mounted in said stator, trunnions carried by said rotor, an axle concentric with the stator, vanes slidably carried in said trunnions, means for attaching said vanes to said axle so that they can articulate, said vanes dividing the space between the rotor and stator into a number of separate chambers and rotatable bearings in the interior of said rotor, said bearings engaging the said vanes for supporting them independently of said means against loads due to centrifugal force.

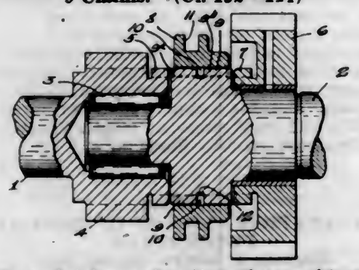


2,070,139
FLORIST WIRE DISPENSER
Donald G. Metzgus, Los Angeles, Calif.
Application May 6, 1936, Serial No. 78,269
2 Claims. (Cl. 312—73)



1. In a dispenser of the character described, a box like structure having an open end, a spring secured to the bottom of said structure and projecting upwardly, toward the closed end thereof, a cross shaft positioned in said box like structure, a container positioned on said shaft, said container having a perforated end plate adjacent the open end of said box like structure, and means for vibrating said container to dispense a rod like commodity through said perforated end plate.

2,070,140
CLUTCH FOR TRANSMISSION GEARS
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio, assignors to Spicer Manufacturing Corporation, a corporation of Virginia
Application January 17, 1934, Serial No. 706,988
9 Claims. (Cl. 192—114)



1. In a clutch construction, the combination of inner and outer clutch members, one of which is slidable axially relatively to the other, said members having slidably interlocking tongues and grooves, whereby the members rotate as a unit, the tongues of one of said members being provided with recesses in their side faces for receiving the end portions of the tongues of the other member, when the shiftable member is in shifted position, and thereby hold the shiftable member from shifting movement out of engaged position when torque is being applied.

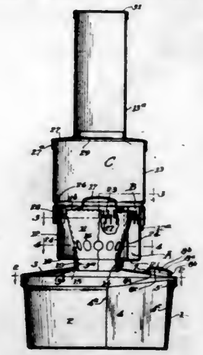
2,070,141
ELECTRIC CABLE
William C. Robinson, Sewickley, Pa., and Otto A. Frederickson, Glen Ridge, N. J.
Application July 27, 1935, Serial No. 33,470
3 Claims. (Cl. 173—266)



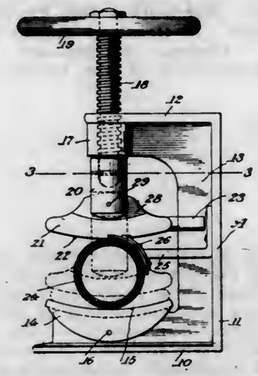
1. As an article of manufacture an electric cable of the character described comprising two wires of substantially the same diameter adapted to conduct current to and from a current consuming unit, an insulating covering for one of said wires of such diameter and dielectric strength as to enable it to carry the working voltage and to insulate it from both the ground and the other wire, the latter wire serving as the return wire and having an insulating covering of considerably less diameter and lower dielectric strength than that for the first wire but sufficient to insulate it against voltages due to potential drop in it, and a sheath binding said insulated wires together.

2,070,142
ORCHARD HEATER
William C. Scheu, Upland, Calif., assignor, by direct and mesne assignments, of one-half to Scheu Products Company Limited, of Upland, Calif., a corporation of California, and one-half to California Orchard Heater Company, Los Angeles, Calif., a corporation of California
Application March 14, 1932, Serial No. 598,741
9 Claims. (Cl. 158—91)

1. A combustion housing for an orchard heater comprising a vapor heater having an opening at its lower end to receive fuel vapor and having a side wall and a top wall closing the upper end thereof; an outer housing having a side wall surrounding and spaced from said vapor heater side wall; and a stack portion extending upwardly from said outer housing above the level of said vapor heater; said outer housing side wall and said vapor heater side wall being so formed as to define therebetween an annular chamber of upwardly decreasing cross-sectional area; said vapor heater side wall being provided at its lower portion with vapor outlet openings communicating with the lower portion of said annular chamber; said outer housing being provided with openings for admitting air to said annular chamber; and the interior of said stack portion communicating with the upper end of said annular chamber.



2,070,143
HOSE CLAMP
Charles F. Schisler, Nanticoke, Pa.
Application September 21, 1936, Serial No. 101,857
1 Claim. (Cl. 251—5)

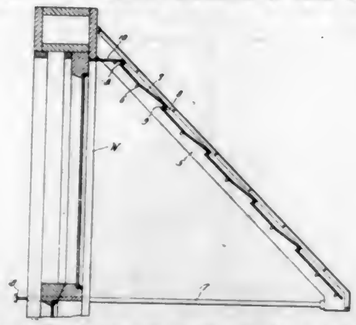


A clamp of the character described comprising a substantially C-shaped frame, a clamping jaw carried by the frame, a feed screw adjustably fitting said frame, a clamping jaw mounted for self-adjustment to the said feed screw and confronting the first-mentioned jaw, a guide extension on the last-mentioned jaw and slidably fitting said frame, means detachably connecting the jaws in place, brackets carried by said frame, and hose abutments on said brackets for positioning a hose between the confronting jaws and located out of the path of movement of the first-mentioned jaw.

2,070,144
AWNING
Samuel S. Staley, Jr., Honolulu, Territory of Hawaii
Application February 6, 1936, Serial No. 62,672
5 Claims. (Cl. 156—17)

1. An awning structure of the class described including, in combination, a pair of inclined frame members disposed in spaced parallel coextensive relationship and one of the members being hollow, shafts journaled between the members and extending into said hollow mem-

ber, rack gears severally on the ends of the shafts in the hollow member, a rack slidable



in the hollow member meshing with the gears, and a slat on each of said shafts.

2,070,145

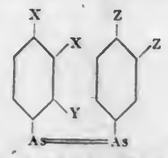
ORGANIC ARSENIC COMPOUNDS

Karl Streitwolf, Frankfort-on-the-Main, Alfred Fehrle, Bad Soden in Taunus, and Hubert Oesterlin, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 22, 1930, Serial No. 469,922. In Germany August 27, 1929

4 Claims. (Cl. 260—15)

1. The compounds of the following general formula:



wherein one X stands for $CH_2OH—CO—NH—$, the other X for a member of the group consisting of hydrogen and hydroxy, Y stands for a member of the group consisting of hydrogen and methyl, Z stands for a member of the group consisting of hydrogen, hydroxy, amino and acetylamino, said compounds containing a nuclear hydroxy group and being suitable for therapeutical purposes.

2,070,146

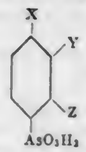
AROMATIC ARSONIC ACIDS AND PROCESS OF PREPARING THEM

Karl Streitwolf, Frankfort-on-the-Main, Alfred Fehrle, Bad Soden in Taunus, and Hubert Oesterlin, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 22, 1930, Serial No. 469,924. In Germany September 4, 1929

14 Claims. (Cl. 260—14)

12. The compounds of the following formula:



wherein X is a substituent of the group consisting of H, Cl and —NH.CO.CH_2O.OC.R, Y is a substituent of the group consisting of H and —NH.CO.CH_2O.OC.R, R being a radical of the group consisting of alkyl and alkylene, and Z is a substituent of the group consisting of methyl and H, only one of the substituents X and Y being —NH.CO.CH_2O.OC.R and Z being methyl when Y is H said products having therapeutical properties.

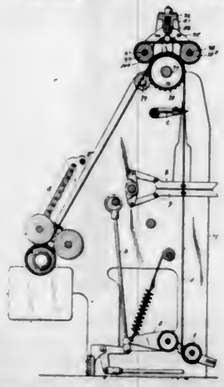
2,070,147

CLOTH ADVANCING MECHANISM FOR WIRE WEAVING MACHINES

Herbert L. Thompson, Elgin, Ill., assignor to Reynolds Wire Co., Dixon, Ill., a corporation of Illinois

Original application April 3, 1933, Serial No. 664,192. Divided and this application October 21, 1935, Serial No. 45,979

4 Claims. (Cl. 139—304)



1. In a weaving machine, means for drawing cloth through the machine, including a breast roll, a pair of rolls arranged respectively on opposite sides of the breast roll, above the center and below the top thereof, an endless band extending around said pair of rolls only, and over a substantial portion of the upper part of the breast roll, a slidably mounted shaft above the breast roll, pairs of arms pivoted to the shaft, said pair of rolls being journaled between the arms of the respective pairs, and means for imposing yielding downward pressure on the shaft for holding the band tightly against the breast roll.

2,070,148

PHENOLIC RESINOUS PRODUCTS AND COMPOSITIONS CONTAINING THEM

Victor H. Turkington, Caldwell, and William H. Butler, Arlington, N. J., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 30, 1932, Serial No. 627,118. Renewed October 19, 1935

6 Claims. (Cl. 260—4)

1. As a composition of matter the product of a fatty oil incorporated with a resinous reaction product of a methylene containing agent and a hydroxydiphenyl.

2,070,149

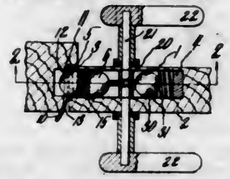
DOOR LOCK

John Turner, Contoocook, N. H.

Application May 17, 1934, Serial No. 726,063

15 Claims. (Cl. 70—29)

1. A device of the class described, comprising a tubular casing having an end portion of reduced internal diameter, a pair of balls slidably fitting said casing, one of which balls may project through said portion for latching engagement with a latch plate, a spring tending to separate said balls, and cam means operatively engageable with the other of said balls remote from said one ball and actuable to force said balls together and said one ball projecting through said portion, or to permit said balls to separate through the action of said spring.



7. A device of the class described, comprising a tubular casing having a reduced internal diameter end portion, a pair of balls slidably carried in said casing, a coil spring in said casing between and supported by said balls and tending to separate said balls and project a portion of one of said balls through said end portion to cooperate with a latch plate, a cam bearing on the other of said balls, a shaft carrying said cam, said cam being shaped to cause rocking of said shaft in one direction to cause said cam to press said other ball toward said one ball and to cause rocking of said shaft in the other direction to retract said cam and to permit said balls to separate under the action of said spring, a third ball slidable in said casing and bearing on the opposite face of said cam, a closure for the opposite end of said casing, and a spring bearing between said closure and said third ball and of greater strength than said first-mentioned spring normally holding said cam in said first-mentioned position.

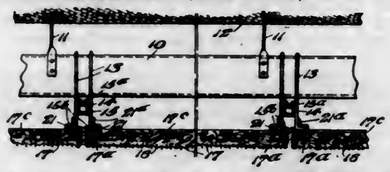
2,070,150

BUILDING CONSTRUCTION

Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware

Application March 30, 1933, Serial No. 663,441

13 Claims. (Cl. 72—118)



1. A building construction comprising supporting means including a seat for a hook; and a surfacing unit comprising a rigid rectangular frame, hooks movably connected with respect to the sides of said frame and engaging said seat, a sound directing foraminous resilient cover over the room side of said frame and affixed to the sides thereof, and a sound absorbing substance within said frame supported thereby.

2,070,151

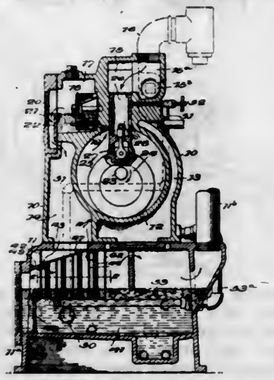
VACUUM PUMP

Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania

Application May 10, 1934, Serial No. 724,974

8 Claims. (Cl. 230—205)

1. A vacuum pump comprising, in combination, a housing having a cylinder compartment, inlet and outlet compartments connected thereto, a discharge port between the cylinder compartment and the outlet compartment, a valve yieldably pressed against the discharge port and supported in a valve body formed independently of the walls of said outlet compartment and



having walls partly surrounding the valve forming a valve chamber and serving as baffles for retaining the sealing medium in said valve chamber, and a hollow cover plate closing the outlet compartment having a dam to maintain a constant oil level in the compartment.

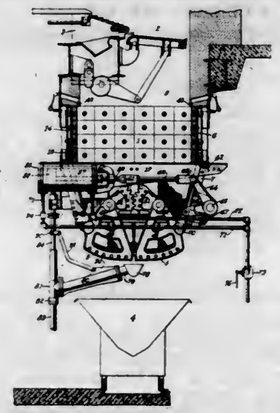
2,070,152

HOPPER

Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

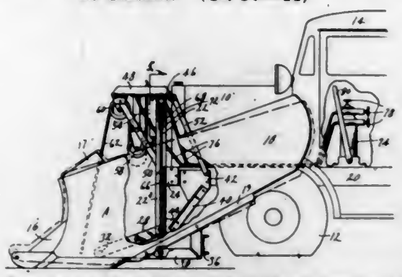
Application September 12, 1932, Serial No. 632,731

6 Claims. (Cl. 110—165)



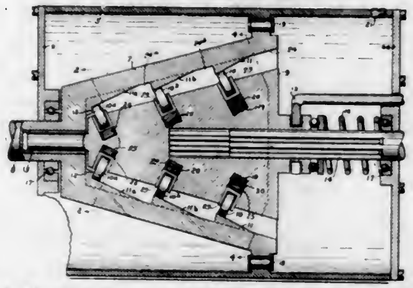
1. In a hopper having end and side walls, movable means normally closing the bottom opening of said hopper, a movable trough normally positioned beneath said movable means, operating mechanism for said movable means including a fluid motor, a four-way valve controlling the operation of said motor, a second valve normally preventing operation of said motor, means connecting said second valve with said trough whereby movement of said trough a predetermined distance from normal position effects opening of said second valve, to condition said motor for operation.

2,070,153
SNOW PLOW HOIST
Frank E. Brown, Newton, Iowa, assignor to The Parsons Company, Newton, Iowa, a corporation of Iowa
Application March 13, 1936, Serial No. 68,705
12 Claims. (Cl. 37—44)



1. In a snow plow hoist, a frame for attachment to the front of a vehicle, a snow plow, means of connection between said snow plow and said frame for pushing said snow plow and permitting vertical movement thereof relative to said frame and means for supporting said snow plow relative to said frame comprising an adjustable cable connection with the front thereof and an adjustable cable connection with the rear thereof, said cable connections being independently adjustable for raising either the front or the rear of said snow plow or for simultaneously raising both the front and the rear thereof and said adjustable cable connection with the rear thereof being shiftable to permit lateral tipping of said plow.

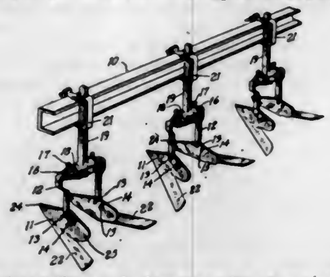
2,070,154
CLUTCH
John W. Carter, Wichita Falls, Tex.
Application September 30, 1935, Serial No. 42,969
6 Claims. (Cl. 192—53)



1. A clutch comprising coacting members, spaced cams on one member, and yieldable elements on the other member to engage the cams and effect rotation of the two members, said cams and yieldable elements being disposed in longitudinally and circumferentially spaced relation and the cams varying in length and pitch to successively engage and remain in engaging position after contact.

2,070,155
CULTIVATOR BLADE ATTACHMENT
Peter Day, Jr., Fort Collins, Colo.
Application September 1, 1936, Serial No. 98,847
5 Claims. (Cl. 97—198.1)

1. Means for supporting a pair of cultivator blades on a cultivator comprising: a shank for attachment to said cultivator; a horizontal head formed on said shank and provided with a cylindrical bore; a cylindrical block positioned in said bore; an inverted L-shaped bracket extending outwardly and downwardly from each extremity of said block; and a cultivator blade secured to the lower extremity of each bracket.



2,070,156
TOOL AND METHOD OF MAKING SAME
Jean Hubert Louis De Bats, East Orange, N. J., assignor of ten per cent to Howard W. Dix, Scarsdale, N. Y., and of ninety per cent to Metal Carbides Corporation, Youngstown, Ohio, a corporation of New Jersey
Application July 25, 1934, Serial No. 736,848
4 Claims. (Cl. 76—101)



1. The method of making tools comprising placing a steel shim member having anchoring means on one surface thereof in a forging die, heating a tungsten carbide alloy composition containing 50 to 99% tungsten carbide to a temperature of the order of about 2000° C., inserting the heated carbide-mass at said temperature in the die and in engagement with the anchoring means of the shim member, and immediately subjecting said heated mass and shim to a drop forging blow of the order of fifty to two hundred tons and above whereby to densify the carbide mass and alloy the same to the steel surfacing to form a tool nib; and thereafter brazing the steel facing of the so formed steel faced composite tool nib to a tool body.

3. A cutting tool comprising a composite nib consisting of a tungsten carbide composition and a steel shim facing anchored thereto in alloying relation, a body portion for the tool, and a brazing material uniting said steel shim facing and said body portion.

2,070,157
GEM SETTING
Julius Dinhofer, New York, N. Y.
Application June 16, 1936, Serial No. 85,455
5 Claims. (Cl. 63—27)

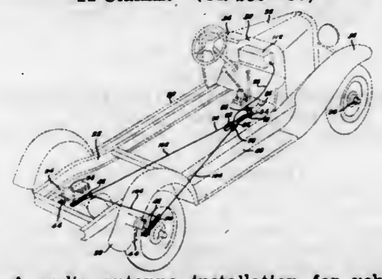


1. A gem setting comprising a stone enclosure formed by a plurality of annular segments placed together with their peripheries united, said segments being radially split, with the ends of the split portions overlying the stone located in the enclosure.

2,070,158
PROCESS FOR THE PREPARATION OF GRINDING OR POLISHING TOOLS
Ernst Elbel and Otto Sussenguth, Erkner, near Berlin, Germany, assignors, by mesne assignments, to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 4, 1931, Serial No. 542,102. In Germany June 17, 1930
2 Claims. (Cl. 51—280)

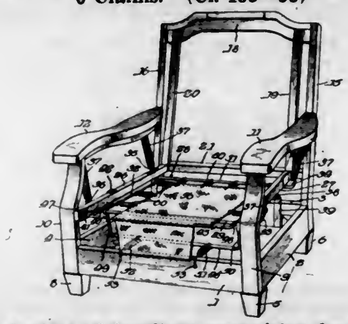
1. Process of preparing a moldable composition suitable for the manufacture of abrasive and polishing tools which comprises bringing a member from the group consisting of urea-aldehyde and polybasic acid-polyhydric alcohol synthetic resins of the hardenable type into the B-state while in solution and mixing the solution obtained with abrasive.

2,070,159
AUTOMOTIVE ANTENNA
Ray C. Ellis, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 2, 1932, Serial No. 602,700
11 Claims. (Cl. 250—33)



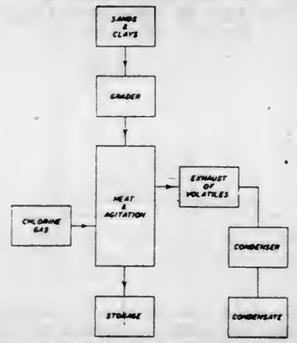
1. A radio antenna installation for vehicles, comprising in combination, a pair of insulating supports mounted on a low part and near the rear of said vehicle, another insulator mounted substantially in the same level plane on the forward part of the vehicle, an antenna wire secured to said last mentioned insulator and threaded through each of said other insulators, and a lead-in wire anchored to said third insulator and electrically connected to one end of said antenna wire.

2,070,160
FURNITURE
Albert Ernest and Isador Waldman, Chicago, Ill.
Application March 20, 1936, Serial No. 69,862
6 Claims. (Cl. 155—53)



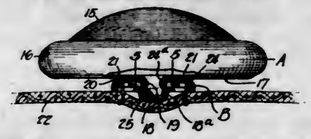
1. A piece of furniture comprising four corner posts, horizontal frame members joining adjacent posts near the bottom thereof, a back rest extending across the rear posts, arm rests extending between front and rear posts, a seat assembly comprising a horizontal frame, coil springs extending from said arm rests to spaced points on said seat frame, a second frame extending forwardly from the front edge of said seat frame and movable up and down around said front edge as a pivot, means for resiliently urging said second mentioned frame upwardly, and a flexible seat resiliently mounted on the rear and sides of the seat frame and extending over said second mentioned frame to the front horizontal frame member for limiting the upward movement of said second mentioned frame.

2,070,161
PURIFICATION OF NATURAL DEPOSITS
Roland W. Flinn, Oakland, Calif.
Application January 21, 1935, Serial No. 2,831
1 Claim. (Cl. 252—8)



The method of purifying natural deposits in finely divided form in an oven which comprises passing said material continuously through said oven, passing a continuous stream of chlorine gas through said oven, agitating said material during passage through said oven to obtain intimate mixture of gas and material particles, applying a heat gradient to said streams through said oven whereby different combinations of the gas and impurities in said oven will occur in different locations within said oven, and separately removing said different combinations.

2,070,162
DETACHABLE BUTTON
John L. Friedrich and Frank P. Stockdale, Los Angeles, Calif.
Application February 6, 1934, Serial No. 709,964
Renewed October 3, 1936
2 Claims. (Cl. 24—108)

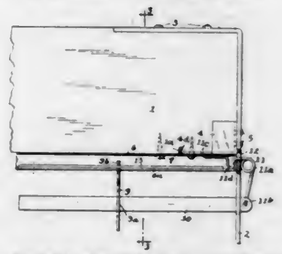


1. A button comprising; a head part having a substantially flat body and a head formed centrally of and projecting laterally from said body and of angular form circumferentially, a reduced neck connecting said head to said body; a socket part having a substantially flat body and a socket formed centrally of and projecting laterally from said body and of angular shape interiorly to snugly receive said head and coact therewith in forming a plurality of circumferentially spaced abutments which cooperate to secure the head and socket against rotation relatively; and a spring secured within the body of said socket part and having portions extending into said socket to engage said head.

2,070,163
3:6-DIAMINO-10-METHYL-ACRIDINIUM METHANE-SULPHONATE
Paul Louis Gailliot, St. Maur-Des-Fosses, France, assignor to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France
No Drawing. Application August 15, 1935, Serial No. 36,328. In Great Britain August 23, 1934
1 Claim. (Cl. 260—36)

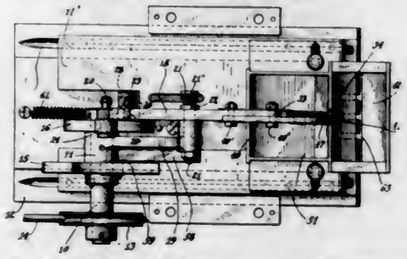
As a new article of manufacture 3:6-diamino-10-methyl-acridinium methane sulphonate.

2,070,164
HEDDLE FRAME
Albert B. Gloor and Emil A. Gloor, Hawthorne, N. J.; said Emil A. Gloor assignor to said Albert B. Gloor
Application July 25, 1935, Serial No. 33,015
4 Claims. (Cl. 139—92)



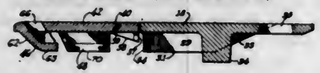
1. In a heddle frame, the combination of a frame proper including a horizontal rail structure and side bars, an elastic tension system connecting the side bars and including a substantially horizontal heddle bar, said structure having a longitudinal slot open toward, and at one side of the slot a ledge facing away from, the heddle bar, and a coupling having a hook-portion open toward said structure and receiving the heddle bar and an end portion penetrating the slot and formed with a head which in a direction transverse of the slot is wider, and in a direction lengthwise of the slot is narrower, than the slot, said coupling being normally confined by the heddle bar to a position in which the head stands with its greater width transverse of the slot.

2,070,165
FILAMENT SECTION FEEDING MACHINE
Arthur M. Griffith, West Caldwell, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 28, 1934, Serial No. 717,704
9 Claims. (Cl. 140—132)



1. A device for picking up coiled filamentary sections comprising a notched member and a member movable transversely across said notch when the notch is empty and operable to press a coil against the surface of said notch when a section is positioned therein to secure said section and means for lifting said members.

2,070,166
FURNACE TUYÈRE
Clifford E. Harrison, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 10, 1932, Serial No. 616,434
8 Claims. (Cl. 110—44)



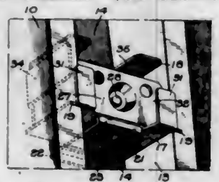
1. A furnace tuyère block, adapted to comprise one of a series arranged in superimposed stepped relation, said tuyère block having a relatively flat body portion, and a series of projections provided thereon defining passages through which air may pass, said projections each having a side, end, and a bottom wall forming an open chamber into which air may enter, and the side walls of said projections inclining downwardly and inwardly, forming reduced bottom wall surfaces.

2,070,167
METHOD OF MAKING LIQUID SPRAYS
Carl Iddings, Kew Gardens, N. Y.
No Drawing. Application September 23, 1932, Serial No. 634,598
11 Claims. (Cl. 167—13)

1. A method of making a liquid self-propellant consisting in cooling a volatile substance to substantially its boiling point, cooling a container with the liquid to be propelled to approximately the same temperature, then adding the volatile substance to the liquid in the container and finally sealing the container.

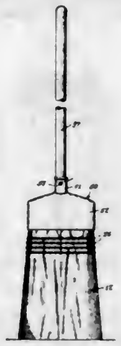
9. A method of making a liquid self-propellant consisting in cooling by boiling natural gasoline to its boiling point, cooling a container and a mixture comprising para dichlorobenzene, ethylene dichloride and carbon tetrachloride to substantially the temperature of the natural gasoline, adding the said gasoline to the mixture in the container and finally sealing the container.

2,070,168
APPARATUS FOR THE STORAGE AND DISPLAY OF GOODS
Hubert David King, Studley, England, assignor to The English Needle & Fishing Tackle Company, Limited
Application February 8, 1935, Serial No. 5,592
In Great Britain February 12, 1934
5 Claims. (Cl. 312—71)



1. Apparatus for the storage and display of packets and like goods of flat form, comprising a plurality of channel members each adapted to receive a plurality of packets in pack configuration, spring means for advancing said packets away from the base of each of said channel members towards a delivery and display position, stop means provided on one side wall of each of said channel members and extending towards the other side wall thereof to retain said packets in pack configuration, said stop means being spaced from said other side wall so as to allow removal of the foremost packet in a direction transverse to said channel members, a display rack or stand having therein a plurality of recesses, each of said recesses being closed at the back and of sufficient width to snugly accommodate one of said channel members, a channel member being slidably mounted in each of said recesses with the free edges of its side walls normally adjacent the mouth thereof so that the members forming the walls of said recess prevent said packets from being moved longitudinally of said channel member, a hooked member formed integrally with said channel member and adapted to be engaged with the member forming the back of said recess, said hooked member normally retaining said channel member within said recess, but being releasable so that said channel member can be slidden forwardly and outwardly of said recess to permit insertion of a pack of packets into said channel member at one end thereof.

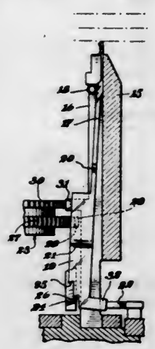
2,070,169
BROOM OR ARTICLE OF ANALOGOUS NATURE
Alfred L. Lodge, Boston, Mass., assignor of one-half to Carl L. Braun, Lowell, Mass.
Application July 29, 1935, Serial No. 33,737
12 Claims. (Cl. 15—159)



1. In a broom or article of analogous nature, the combination with a quantity of sweeping elements and clamping means having ends and side walls surrounding an end portion of the elements to bind them securely together, of means extending through the clamp ends and also extending substantially throughout the length of the clamp in engagement with said bound end portions for holding the clamp ends together and for urging the bound elements from within outwardly against said side walls substantially throughout their length.

2,070,170
KNITTING MACHINE
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y., a corporation of New York
Original application February 26, 1935, Serial No. 8,256. Divided and this application September 27, 1935, Serial No. 42,368
11 Claims. (Cl. 66—36)

1. A knitting machine comprising a needle bed, a series of slots arranged along said bed, a unitary element swingably mounted in each slot and having a knitting element portion and a portion formed with a plurality of cam-engaging surfaces, actuator mechanism, said actuator mechanism and said bed being mounted for relative movement, cam means forming a part of said actuator mechanism and adapted to selectively engage said cam-engaging surfaces and to selectively act on the various unitary elements in



accordance with the setting thereof to cause them to be in various ones of a multiplicity of positions longitudinally of said slots, and a rotatable element also forming a part of said actuator mechanism adapted to act selectively upon the unitary elements and providing about its periphery a series of configurations of a multiplicity of types for effectuating a selective setting of said unitary elements in a multiplicity of different lateral positions upon their axes of swinging movement.

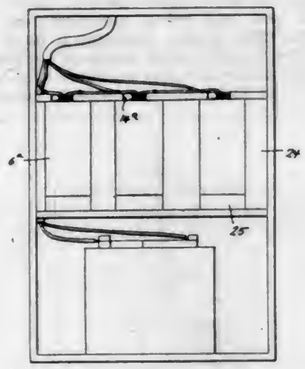
2,070,171
PROCESS FOR THE PURIFICATION OF EXTRACTED HONEY
Rex E. Lothrop, Clarendon, Va., and Howard S. Paine, Chevy Chase, Md., dedicated to the free use of the Public
No Drawing. Application January 26, 1935, Serial No. 3,608
6 Claims. (Cl. 99—146)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the purification of extracted honey, which comprises mixing the honey with a filter aid which has been treated by suspending it in boiling water to remove adsorbed air from the filter aid particles, followed by treatment with the appropriate quantity of a honey sirup, said sirup consisting of approximately 9 pounds of water to substantially 36 pounds of honey, thereby removing any water wetting the mass, thence subjecting the mass to the action of heat, and thence separating the honey therefrom.

2,070,172
RADIO BATTERY CABINET
Ray Emonds Nelson, Cottage Grove, Oreg.
Application May 17, 1935, Serial No. 22,055
1 Claim. (Cl. 136—173)

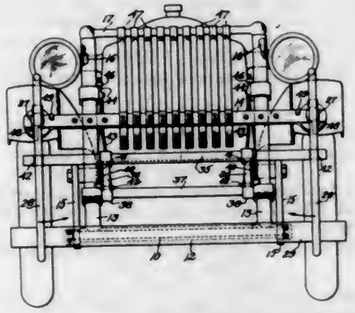
In a cabinet structure, in combination with a plurality of electric batteries having binding posts, a horizontal partition in the cabinet dividing the interior of the cabinet into an upper and a lower compartment, the lower compartment being of a size to snugly receive the batteries, said partition being provided with trans-

verse slots for receiving the binding posts, said partition being of a thickness sufficiently great



so that the binding posts will not project above the top surface thereof.

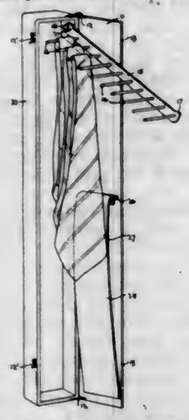
2,070,173
FENDER FOR AUTOMOBILES
Frank L. O'Reilly, Winthrop, Mass.
Application September 16, 1936, Serial No. 100,984
6 Claims. (Cl. 293—34)



1. A vehicle fender comprising a frame supported in front of the vehicle; a body-holding arm pivotally mounted on said frame adjacent to one side of the vehicle so that it can swing transversely on an axis disposed longitudinally with respect to the latter; a spring yieldingly urging said arm to swing transversely toward the opposite side of the vehicle; trip-and-latch mechanism for holding said arm retracted and adjacent to one side of the vehicle where it extends downwardly from its pivot, and means to limit the swinging movement of said arm under the influence of said spring.

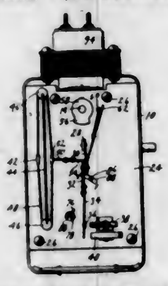
2,070,174
TIE RACK
George L. Pace, Spokane, Wash.
Application April 15, 1935, Serial No. 16,436
2 Claims. (Cl. 312—185)

1. In a tie rack, the combination with a cabinet having a hinged door and fastening means therefor, of a pivoted rack arm supported in the cabinet and having a series of extending hanger fingers projecting from the side of the arm, and arranged at an angle to the longitudinal axis of said arm, an abutment on the free end of the arm to be engaged and pressed by the door, means in



cooperation with the pivot of the said arm for supporting the arm in an extended position.

2,070,175
COMBINATION LIMIT SWITCH
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application April 29, 1935, Serial No. 18,740
2 Claims. (Cl. 200—113)

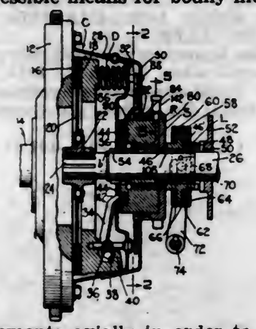


1. In a combination limit switch, a switch casing, a normally open burner switch therein, electro-responsive means therein for closing said burner switch and a temperature responsive element extending from said casing and adapted for mounting in a furnace bonnet or the like, said temperature responsive element being operatively associated with said switch to open the same while closed by said electro-responsive means upon a predetermined limit of temperature being attained in said furnace bonnet.

2,070,176
AUTOMATIC CLUTCH CONTROL
Herman B. Philips, New York, N. Y.
Application February 11, 1933, Serial No. 656,210
22 Claims. (Cl. 192—.01)

1. An automatic clutch mechanism comprising a clutch provided with resilient means normally causing clutch engagement, control mechanism for disengaging the clutch with power assistance, including mating threaded elements, means connected with the driving shaft for rotating one of said elements, means to arrest rotation of the other element, and means responsive to the resulting axial relative movements of the elements

for disengaging the clutch, and additional externally accessible means for bodily moving both

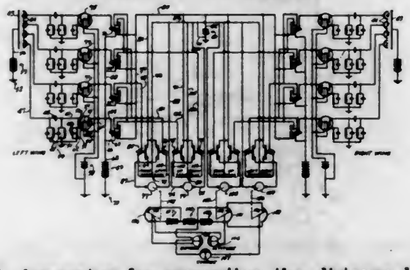


threaded elements axially in order to disengage the clutch without power assistance.

2,070,177
DISPERSING AGENT
Oscar A. Pickett, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 14, 1929, Serial No. 392,741
2 Claims. (Cl. 134—26)

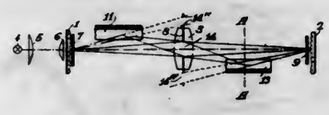
1. A new composition including in mechanical admixture a pigment, filler or the like, a terpene alcohol and a fluid vehicle, the pigment, filler or the like being dispersed in the form of fine particles in the vehicle and the terpene alcohol acting as a dispersing agent for the pigment, filler or the like.

2,070,178
AIRPLANE NAVIGATING APPARATUS
Francis M. Pottenger, Jr., Monrovia, and James R. Balsley, La Canada, Calif.; said Balsley assignor of twelve and one-half per cent to Paul Whittier and twelve and one-half per cent to Keith Scott, both of Los Angeles, Calif.
Application June 6, 1934, Serial No. 729,216
22 Claims. (Cl. 250—11)



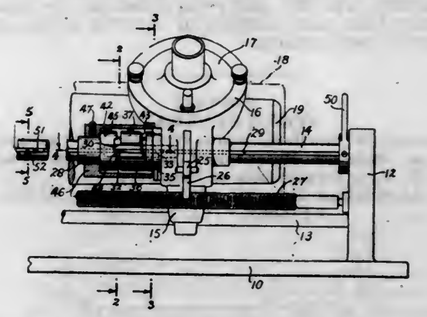
1. Apparatus for computing the distance between two points, comprising, in combination: means generating electro-magnetic radiations from one of said points, the other being the receiving point; means at the receiving point for receiving said generated electro-magnetic radiation; two pointers associated with the receiving point spaced to define a base line for computing distance by triangulation; means connected with each pointer responsive to said electro-magnetic radiations to automatically train each pointer on the source of the radiations; and means operatively connected to at least one of said pointers to automatically derive the distance between the two points from the angular disposition of said pointers with respect to said base line.

2,070,179
DEVICE FOR COPYING IMAGES ON LENTICULATED FILMS
Kurt Räntsch, Berlin-Teltow-Seehof, and Hans Arni, Berlin-Ruhleben, Germany, assignors to Opticolor, Aktiengesellschaft, Glarus, Switzerland, a corporation of Switzerland
Application November 10, 1934, Serial No. 752,530
In Germany November 10, 1933
8 Claims. (Cl. 88—24)



1. In combination, an original film having thereon a multiplicity of lenticulations and a group of color records behind each of said lenticulations, a copy film having similar lenticulations thereon, means for projecting light through the original film to the copy film, a lens disposed in the path of light passing between said films, and two sets of mirrors, each set disposed between said lens and one of said films and comprising a plurality of mirrors arranged with said lens to produce at said one film more than two images of said lens and which images are out of line with each other.

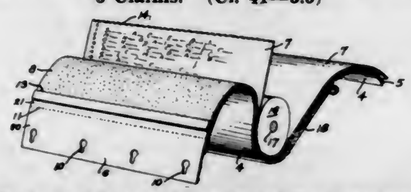
2,070,180
PHONOGRAPH
John E. Renholdt, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application April 18, 1934, Serial No. 721,132
Renewed October 28, 1935
12 Claims. (Cl. 274—21)



5. In a dictation-transcribing machine, in combination, a support for a record, a rock-shaft having a longitudinal keyway therein, sound-reproducing means slidably mounted on said shaft and comprising a stylus adapted to engage the record, feeding means for moving the sound-reproducing means in a given direction along said shaft, a spline seated in said keyway movable along said shaft with said reproducing means, having limited endwise and rotational movement relatively to said reproducing means and adapted upon meeting resistance to rotational movement to cramp in said keyway, rotative means on said reproducing means adapted when said shaft is rocked in a given direction to cooperate with said spline for rendering said feeding means inoperative, and means on said reproducing means resisting rotational movement of said spline and adapted to cooperate with said spline to shift said

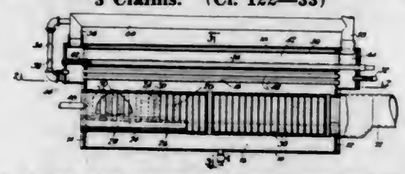
sound-reproducing means in the opposite direction along said shaft while permitting said stylus to remain in engagement with said record.

2,070,181
STENCIL SHEET
Marjorie E. Ryan, San Francisco, Calif.
Application November 29, 1935, Serial No. 52,014
3 Claims. (Cl. 41—3.5)



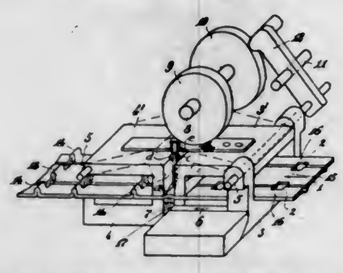
2. A stencil assembly adapted for insertion in a writing machine having a platen, comprising a backing sheet, a plain sheet, a carbon sheet between the aforementioned sheets, a wax tissue sheet and a stencil sheet, said wax tissue sheet being positioned between said stencil and backing sheets, all of said sheets except said wax tissue sheet being secured as a unit at or near their top edges and being unsecured at their bottom edges whereby they may be passed over said platen without wrinkling or gathering, said backing sheet being characterized by having spaced openings adjacent its top edge, having a row of perforations extending from side to side near said openings, and having said stencil sheet secured to it between said openings and said row of perforations and having said carbon sheet and plain sheet secured on its opposite side below said row of perforations, and said plain sheet having a row of perforations extending from side to side adjacent its point of attachment to said backing, whereby said plain sheet may be separated from said assembly by severing along said row of perforations.

2,070,182
STEAM GENERATOR
George W. Saathoff, South Orange, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application July 25, 1935, Serial No. 33,025
3 Claims. (Cl. 122—33)



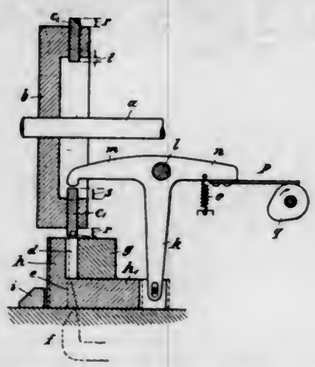
1. A primary-secondary steam generator unit comprising a combustion chamber and communicating combustion flue, a primary boiler having its water storage and evaporation chamber surrounding the combustion chamber and flue, and a secondary water tube boiler having evaporation tubes and a steam equalizing drum mounted within the upper part of the evaporation zone and in the steam zone of the primary boiler in position to receive heat from the water and steam in the primary boiler, the evaporation tubes and steam equalizing drum of the secondary boiler constituting a condenser within the steam zone of the primary boiler whereby the primary boiler functions as a self-contained closed circuit steam generator-condenser unit.

2,070,183
APPARATUS FOR MAKING FOLDS IN TYPE STRIPS USED FOR CASTING BARS OF PRINTERS' TYPE
Julius Schneider, Munich, Germany
Original application March 1, 1934, Serial No. 713,458. Divided and this application August 8, 1935, Serial No. 35,282. In Germany March 4, 1933
1 Claim. (Cl. 101—401.6)



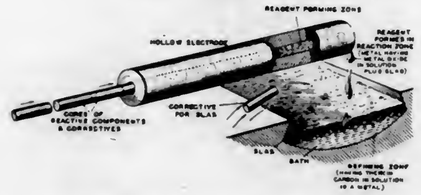
An apparatus for forming folds between the ends of words on an intermittently advanced type strip provided with perforations, the combination of opposed pincers adapted to grip parts of the strip therebetween, means for imparting relative movement to said pincers, a feeler adapted upon entering one of said perforations to stop advance movement of the strip and to initiate movement of said pincers and a driver actuatable to bend the strip and move the bent portion thereof between the faces of the pincers.

2,070,184
TYPE-CASTING MACHINE
Julius Schneider, Munich, Germany
Application January 2, 1936, Serial No. 57,135
In Germany November 26, 1934
9 Claims. (Cl. 199—73)



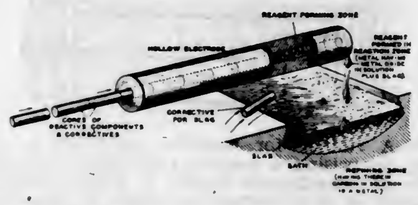
1. In a type casting machine, the combination of a mold having at least one movable part whereby its effective capacity can be varied, slidable matrix carriers for type matrices of different widths, a movable holder supporting a plurality of said matrix carriers and adapted to place any selected carrier in position facing said mold, and means for pressing the selected matrix carrier against the front of the mold and moving said movable part of the mold a predetermined distance to adjust the width of the mold to the width of the matrix carried by the selected matrix carrier.

2,070,185
MAKING REAGENTS FOR METAL ALLOYS
Gilbert E. Seil, Cynwyd, Pa., assignor, by mesne assignments, to Buffalo Electric Furnace Corporation, Buffalo, N. Y., a corporation of New York
Application January 18, 1936, Serial No. 59,691
In Canada August 19, 1935
6 Claims. (Cl. 75—10)



1. The process of forming an oxidizing reagent for use in the refining of metallic material which comprises supplying to a heated zone in a substantially horizontal hollow electrode a comminuted mixture formed into cores containing essentially a metallic-oxide and a reducing agent insufficient in quantity for reducing all of the oxide, heating the mixture in the electrode to a temperature above that at which reduction of the oxide takes place and above the melting point of the reduced metal, confining the mixture in the electrode during said heating, and effecting release thereof from the electrode in liquid condition as the desired reagent.

2,070,186
METAL ALLOYS AND PROCESSES OF MAKING THE SAME
Gilbert E. Seil, Cynwyd, Pa., assignor, by mesne assignments, to Buffalo Electric Furnace Corporation, Buffalo, N. Y., a corporation of New York
Application January 18, 1936, Serial No. 59,690
In Canada August 19, 1935
9 Claims. (Cl. 75—10)



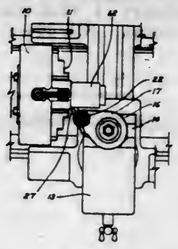
1. In the refining of a metal-bearing material made up of a plurality of constituents including at least one metal as a desirable constituent thereof and at least one oxidizable undesirable constituent thereof, the process for modifying the proportion of certain constituents thereof which comprises forming a molten bath of the material to be refined and an oxidizing slag thereon in a carbon monoxide atmosphere, forming an oxidizing reagent composed essentially of metallic oxide and a reduced metal at a temperature in excess of the melting point of the reduced metal while confined in a substantially horizontal hollow electrode, supplying a quantity of reagent to the bath for liquid admixture therewith under conditions for inducing an oxidizing action of the reagent upon the oxidizable undesirable constituent of the molten bath by virtue of which the proportion thereof is decreased through conversion into an oxide, and then recovering refined metallic material from the bath.

2,070,187
TIRE CHAIN
John Senft, York, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1935, Serial No. 54,247
1 Claim. (Cl. 152—14)



An anti-skid cross chain comprising interconnected links that are twisted adjacent to their ends so that they will be approximately in a common plane, and a pair of bar-like calks welded to each link at points adjacent to the protuberant bends thereof and diagonally disposed with respect to the longitudinal center line of the link, the calks of each link being spaced apart a distance less than the thickness of the metal from which the links are formed.

2,070,188
LATHE TOOL HOLDER
Truman C. Steward, Birmingham, Ala.
Application June 17, 1935, Serial No. 26,987
1 Claim. (Cl. 82—36)

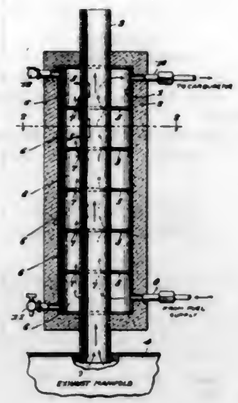


An adjustable tool holder comprising, in combination with the compound slide of a lathe having a pair of spaced parallel guideways, of a rotatable arm mounted on said guideways, said arm being substantially circular with an outwardly extending projection, the diameter of said circular portion being of such dimension as to have a surface engagement with said guideways throughout its rotative movement, a pivot and clamping bolt received within said guideways and passing centrally through the circular portion of said rotatable arm thereby to support said rotatable arm approximately to its projection in all its operating positions on the compound slide, and a tool clamp mounted for rotative adjustment in a horizontal plane above and on the projecting end of said rotatable arm.

2,070,189
DIESEL GAS DEVICE OR HEATER
Vey V. Webster, Colfax, La., assignor of one-fourth to Rene J. Bienvenu, Colfax, La.
Application July 29, 1936, Serial No. 93,303
6 Claims. (Cl. 257—241)

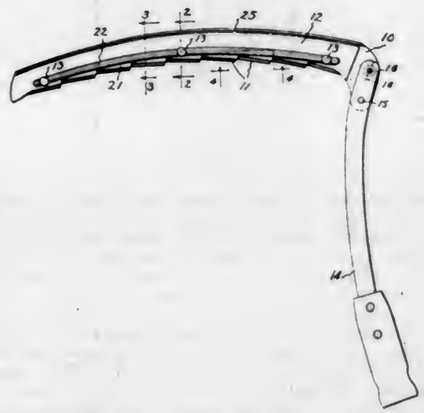
1. In a device of the class described, the combination of a casing provided with a plurality of partitions, each partition provided with slots, the slots of one partition having their walls slanted

in a reverse direction to the slant of the walls of the slots in the contiguous partitions, and an ex-



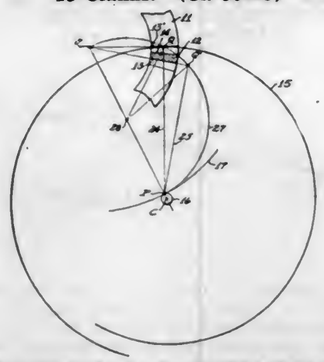
haust tube extending through said casing and said partitions and partly closing said slots.

2,070,190
SICKLE
Thomas Edward Wells, Haydenville, Mass., assignor to The Exykut Tool Corporation, Northampton, Mass., a corporation of Massachusetts
Application February 11, 1935, Serial No. 5,949
2 Claims. (Cl. 30—9)



2. A sickle, comprising, a holder, a plurality of thin blades mounted in a longitudinal series on one face thereof with the ends of successive blades of the series overlapping, a plate superposed on said blades, and means to draw the plate and holder together to clamp the blades therebetween; a portion of each blade, including a cutting edge thereof, projecting outwardly beyond one edge of said holder and plate and exposed; one end of the cutting edge of each blade being laterally offset from the adjacent end of the cutting edge of the next succeeding blade of the series sufficiently so that the overlapped portions of the blades lie entirely between the plate and holder and so that the exposed portions of the blades do not overlap.

2,070,191
METHOD OF CUTTING GEARS
Ernest Wildhaber, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application February 23, 1934, Serial No. 712,478
18 Claims. (Cl. 90—5)



1. The method of cutting the side tooth surfaces of straight-toothed gears which comprises bringing into engagement with a gear blank a cutter, whose cutting edges project from one side face of the cutter and are so arranged in a spiral that different blades will cut at different points along the length of a gear tooth surface and envelop together a straight surface, and rotating the cutter and blank together in timed relation while holding the cutter against movement lengthwise of the teeth of the blank.

2,070,192
WASHING MACHINE
Herman Zarafu, West New York, N. J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application October 26, 1933, Serial No. 695,337
12 Claims. (Cl. 68—18)

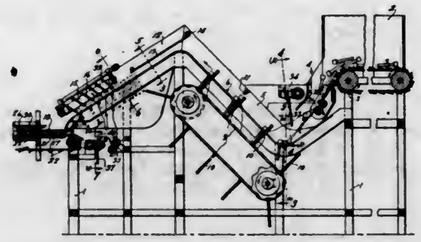


4. A runner for washing machines or the like comprising, a metallic cylindrical body portion of considerable length, a shaft extending axially of said cylinder, a series of transverse partition members spaced longitudinally of said shaft, other partition members arranged to form a plurality of substantially sector shape compartments about said shaft between adjacent transverse members, and means rigidly securing all of said partition members to adjacent partition members and to the shaft and to the cylindrical body.

2,070,193
BOBBIN STRIPPING MACHINE
Eugene Robert Alderman, South Hadley, Mass.
Application August 19, 1935, Serial No. 36,800
9 Claims. (Cl. 28—19)

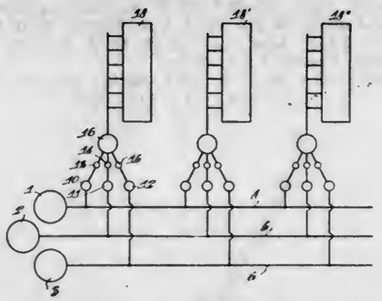
1. In a bobbin stripping machine in combination, a hopper to receive a supply of bobbins having a remnant of weft thread thereon to be stripped, means for feeding the bobbins from said

hopper in a single file, a traveling conveyor, means for spacing apart the bobbins of said single file and depositing the same one by one upon said traveling conveyor comprising means for suspending said bobbins with downwardly directed ends prior to being deposited on said conveyor, a stripping device located below the ends of said suspended bobbins, pneumatic means for wafting



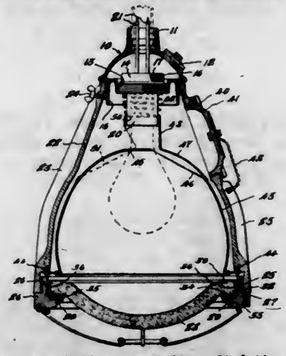
threads from said bobbins downwardly to said stripping device, a knife mounted adjacent said stripping device and movable across the path of a thread from a bobbin end to said stripping device for severing said thread, a stripping device mounted at one side of said conveyor, and pneumatic means for wafting the thread from a bobbin on said conveyor into engagement with said stripping device.

2,070,194
PROCESS FOR THE MANUFACTURE OF MULTICOLORED FILAMENTS
Richard Bartunek, Teltow-Seehof, near Berlin, August Hartmann, Berlin-Lichterfelde, Johann Joseph Stoeckly, Teltow-Seehof, near Berlin, and Johannes Uytenbogaart, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, a corporation of Delaware
Application June 15, 1934, Serial No. 730,718
In Germany June 17, 1933
2 Claims. (Cl. 18—8)



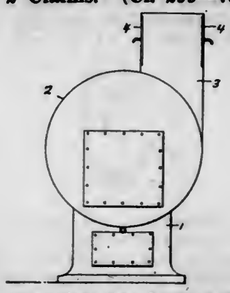
2. An apparatus for use in preparing colored artificial silk filaments of any desired hue including a plurality of separate storage tanks, each tank containing a cellulosic spinning solution previously colored with a primary or basic color, individual feed pumps and supply pipes connecting each of said tanks, individual flow regulating control valves in each of said supply lines, a series of supply pipes emptying into a common mixing chamber, a pump connected to said mixing chamber and discharging regulated quantities of the mixed solutions to a filament forming machine.

2,070,195
EXPLOSION RESISTING LIGHTING FIXTURE
Carl H. Bissell and Harold P. Hastings, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application November 5, 1934, Serial No. 751,500
10 Claims. (Cl. 240—11.3)



1. In an explosion resisting lighting fixture, a body open at one end, a lamp receptacle mounted in the body, and a lens detachably secured to the open end of the body, the body being provided with an opening in one side thereof, a reflector mounted within the body and being provided with an opening arranged in alinement with the opening in the body to permit insertion and removal of a lamp, a reflector shutter having an opening therein complemental to the opening in the reflector, and being movable relative to the reflector to bring said opening in register with the opening in the reflector, and a detachable flame tight closure for the opening in the side of the body.

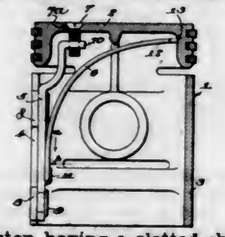
2,070,196
WATER SERVICE STAND
Bert H. Black, Crosbyton, Tex.
Application March 8, 1935, Serial No. 10,096
2 Claims. (Cl. 299—78)



1. A water service stand, comprising a housing, a vertically arranged frame in the housing, a laterally extending stationary shaft supported by the upper part of the frame, a tubular shaft rotatably mounted on the stationary shaft and having an exterior annular groove therein, a member connected with the frame and having a part engaging the groove for holding the tubular shaft and the stationary shaft, said tubular shaft having a flange thereon, a reel disk connected with the flange, a second reel disk, means for connecting the said disk to the first reel disk in spaced relation, a radially arranged pipe having a tubular head at its inner end having one end connected with the central part of the disk

carrying end of the tubular shaft, a supply pipe in the housing having a right-angularly extending end having its extremity in communication with the head, means for providing a watertight joint between said bent end of the pipe and the head, and a hose carried by the reel and having its inner end connected to the outer end of the radial pipe, and a curved member having one end connected with the hose at the junction of the hose with the radial pipe and its other end portion supported by a part of the reel.

2,070,197
ADJUSTABLE TRUSS FOR PISTONS
Zeno Arno Bruegger, Boise, Idaho
Application January 31, 1934, Serial No. 709,222
15 Claims. (Cl. 309—12)



1. In a piston having a slotted skirt, expander means inside of the piston including a bowed buffer spring having one terminal abutting the top and the other terminal adjacent to the skirt, a slide member next to the skirt to which member said other terminal of the spring is anchored, and an adjusting device carried by said slide member and going through the top of the piston, said device being adjustable from the top of the piston for moving the slide member up and down to change the terminal distance of the spring and vary its pressure against the skirt.

2,070,198
CIGARETTE MAKING MACHINE
Edward Calderio, Garfield, N. J.
Application June 22, 1934, Serial No. 731,961
Renewed July 23, 1936
8 Claims. (Cl. 131—5)



8. A cigarette making machine comprising a casing composed of two halves, a roller journaled in each of said halves, an apron extending between said rollers, guard plates pivotally connected to each end of said casing, means on said plates engageable by the lower edge of one of the halves of said casing for swinging the plates upon opening of the casing and means for limiting the swinging movement of said plates.

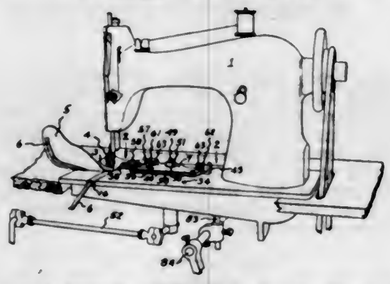
2,070,199
SANITARY ROLLING PIN COVER
Fred S. Dixon, Pomona, Calif.
Application December 16, 1935, Serial No. 54,569
1 Claim. (Cl. 107—50)

An applied rolling pin cover having overlapping end portions furnished with a triple adhesive seal consisting of two adhesive strips located on opposite faces of the inner fold of the overlap and a third adhesive strip located between the extremity



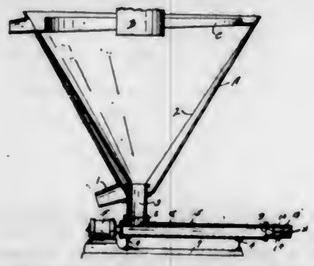
of the outer fold of the overlap and the underlying surface of the cover.

2,070,200
SEWING MACHINE
Henry J. Ernst, Southgate, Ky., assignor of one-half to Edward C. Ernst, Newport, Ky.
Application December 2, 1933, Serial No. 700,726
14 Claims. (Cl. 112—130)



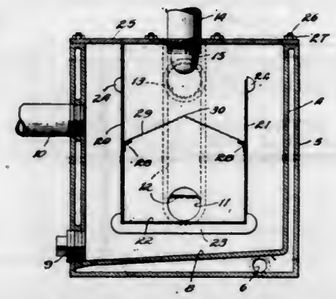
1. In a sewing machine, the combination of a throat for the passage of a tape, said throat being adapted to guide said tape into a position for sewing, a main sewing machine feed and a supplementary feed for moving a tape in said throat, means for rendering said second feed inoperative on said tape, said means concurrently acting to prevent a withdrawal of said tape from said throat.

2,070,201
PROCESS FOR DEHYDRATING PULPS
James F. Geary, Salt Lake City, Utah, assignor of one-fourth to De Witt Van Evera, Salt Lake City, Utah, and one-fourth to J. Wilbur Van Evera, Crosby City, Minn.
Application May 26, 1934, Serial No. 727,776
4 Claims. (Cl. 210—43)



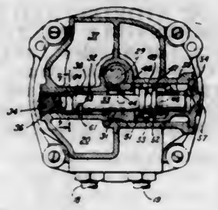
1. A dehydrating or drying process for solid-liquid mixtures or pulps, comprising settling the solid particles from the pulp in a settling tank equipped to permit drawing off the liquid portion of the pulp; directing the settled solids into a container and moving the container in such a manner as to cause said solid particles within it to progress toward one end of the container and be compacted therein.

2,070,202
VACUUM BREAKER TRAP
Arthur Gordon, Chicago, Ill.
Application February 25, 1935, Serial No. 8,053
4 Claims. (Cl. 210—56)



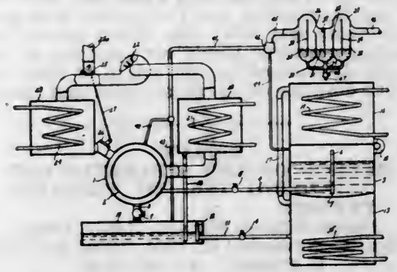
3. In a trap of the class described, a casing having an inlet and an outlet, a separator in the casing between the inlet and outlet, the outlet having an opening at the bottom of the separator and including a hollow extension at the end of the casing with an overflow pipe adjacent the top thereof and an atmospheric outlet at the top, a cover for the casing, and an overflow and gas outlet from the casing to the tubular extension comprising an opening in the wall of the casing communicating with the extension and an elbow fitting having one end engaging the opening and the other end extending upwardly adjacent the top and spaced from the top to prevent clogging this opening and to provide the highest exit for gas to the atmosphere from the interior of the casing.

2,070,203
OIL PUMP
David Gregg, West Caldwell, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 5, 1934, Serial No. 751,604
8 Claims. (Cl. 103—157)



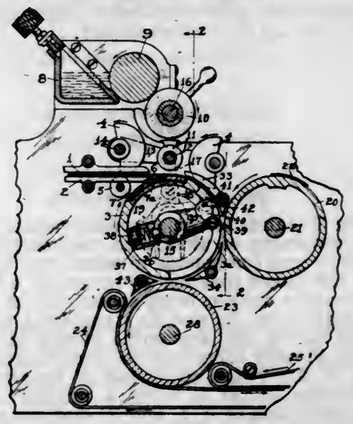
1. In a pump the combination of a housing, a cylinder therein having inlet and outlet ports, a piston in said cylinder having a port arranged to periodically coincide with said inlet and outlet ports for connecting the same with the compression space of the cylinder, said piston port extending substantially half way around the piston surface, means for rotating said piston, a member secured to the piston having a cam groove, a sleeve providing a bearing for said piston, means secured to the sleeve and projecting within said groove for causing reciprocation of said piston during rotation thereof, and means for manually rotating the sleeve from the exterior of the housing to adjust the delivery of the pump.

2,070,204
LIQUID SEAL VENT
Russell A. Hetzer, Madeira, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application March 14, 1935, Serial No. 11,175
5 Claims. (Cl. 183—21)



1. A liquid seal vent for vessels or systems in which a volatile solvent is being stored or utilized comprising a receptacle containing a liquid which is connected to the tank or system, said receptacle being divided into a plurality of compartments including a sealing compartment having side walls extending materially above the liquid level, an inner compartment and an outer compartment provided with a vent opening, a baffle extending from the upper portion of the receptacle to a position normally beneath the liquid in the sealing compartment thereby dividing the sealing compartment into two portions, the air space in one of such portions being in communication with the tank or system through the inner compartment and the air space in the other portion being in communication with the atmosphere through the outer compartment and its vent opening, and intercommunicating restricted conduits connecting the three compartments.

2,070,205
MANUFACTURE OF WINDOW ENVELOPES
Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application June 27, 1934, Serial No. 732,716
7 Claims. (Cl. 93—61)



1. A step in the manufacture of window envelopes which consists in advancing envelope

material having a window opening therein and applying adhesive to an area completely surrounding said opening by positively controlling the duration of the rolling contact of a gummed surface of revolution with said material.

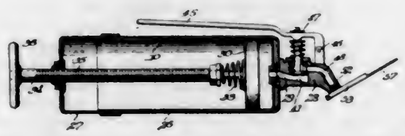
5. In mechanism for applying adhesive around the window opening of a moving envelope blank, a cylindrical roller forming a part of a gum mixing and distributing train of rollers, and means for bringing said roller into rolling contact with a moving envelope blank, for applying an area of gum determined by the length of said roller and the duration of its contact with said blank.

2,070,206

METHOD OF AND APPARATUS FOR SUPPLYING INK TO PRINTING PRESSES

Joseph Edward Hudson, Baker, Oreg.

Application November 13, 1934, Serial No. 752,890
16 Claims. (Cl. 91—67.4)



1. Apparatus for supplying liquid ink to the inking surface of a printing press or the like comprising a liquid ink cartridge, a dispenser having a closed chamber for receiving said cartridge, means for applying pressure to the ink in said cartridge, an ink spreader secured to said dispenser, and means for optionally discharging said ink in regulated amounts from said spreader.

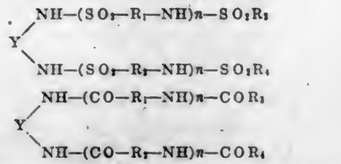
2,070,207

NEW CONDENSATION PRODUCTS AND A PROCESS FOR PREPARING SAME

Johann Huismann and Hugo Schweitzer, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application March 26, 1930, Serial No. 439,217. In Germany March 30, 1929
7 Claims. (Cl. 260—129)

1. Substituted arylacidylamino compounds selected from the class consisting of



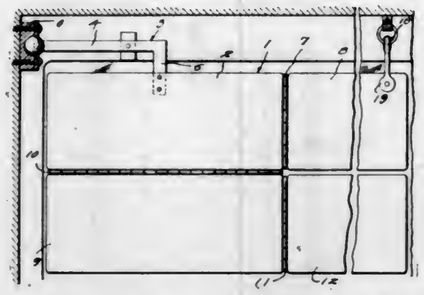
wherein Y stands for an aromatic radical of the group consisting of phenylene, naphthylene, diphenylene and compounds in which two benzene nuclei are linked together by means of a bridge, each benzene nucleus being substituted by a sulfonic acid group, R_1 and R_2 stand for a benzene nucleus having the acylamino groups in metaposition to each other and R_3 and R_4 stand for nuclei of the group consisting of benzene and naphthalene nuclei n being a number of the group consisting of 0, 1, and 2, said compounds being colorless or nearly colorless powders, soluble in water, and being valuable reserving agents for wool or silk against substantive dyestuffs.

2,070,208

AUTOMOBILE GLARE SHIELD

George Lombard Kelly, Augusta, Ga.

Application February 6, 1934, Serial No. 710,027
1 Claim. (Cl. 296—97)



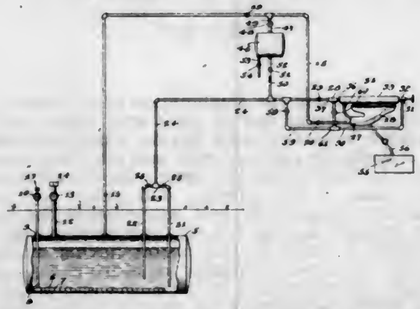
A glare screen for a motor vehicle windshield, comprising a pair of screen plates each having a series of hinge knuckles formed along each of two adjacent edges, the hinge knuckles of an edge of one plate being interengaged with the knuckles of the other plate, a coupling pivot pin between the interengaged knuckles forming a horizontal pivotal connection between the plates, a second pair of screen plates each having a series of hinge knuckles formed along one edge thereof, the hinge knuckles of each of the second plates being in interengagement with the other series of knuckles of a first-mentioned plate, pivot pin means coupling the last mentioned interengaged knuckles forming vertical axes whereby the last mentioned plates may be swung in horizontal planes to positions against the first-mentioned plates, a rigid supporting means secured to one of the first mentioned plates, means for forming a universal coupling between the rigid supporting means and an adjacent windshield frame, and means for separably coupling the one of the second mentioned plates which is hingedly connected with the first-mentioned plate having the supporting means attached thereto, with the adjacent frame.

2,070,209

METHOD OF STORING AND BURNING COMBUSTIBLE MIXTURES

Arthur N. Kerr, Los Angeles, Calif., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

Application November 13, 1933, Serial No. 697,869
6 Claims. (Cl. 158—117.5)



1. In a method of the character described, storing in a pressure chamber a relatively nonvolatile combustible oil of the nature of kerosene in intimate admixture with a liquefied combustible hydrocarbon gas, feeding said mixture in liquid condition through a restricted passageway, vaporizing the mixture and admixing it with a supporter of combustion, and then burning the final mixture.

2,070,210

METHOD OF SCOURING AND BLEACHING OF WOOL AND OTHER ANIMAL FIBER TEXTILE MATERIALS

Lindsey H. Mason, Bala-Cynwyd, Pa.

Application December 29, 1933, Serial No. 704,548
8 Claims. (Cl. 8—2)



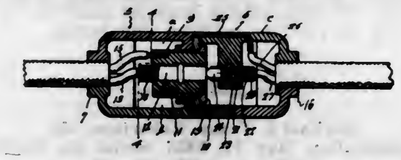
1. A method of bleaching textile materials of the animal fiber group, comprising continuously moving the material through a bleaching bath primarily consisting of an alkaline 1–3% hydrogen peroxide aqueous solution of a temperature of 100–130° F., removing the mass from the bath after a relatively short interval, normally 1–5 minutes, squeezing to remove surplus solution and rinsing the material.

2,070,211

ELECTRICAL CONNECTER

Fredrick Earl Mehr, Provo, Utah

Application April 1, 1936, Serial No. 72,190
1 Claim. (Cl. 173—324)



A swiveled connecter comprising a pair of hollow sections, a sleeve of current conducting material projecting from one of the sections and provided with an insulating filler, an electrode extending longitudinally through the filler, the outer end of the sleeve being provided with an outstanding circumferentially extending shoulder in spaced relation to the adjacent end of the corresponding section, the other section being provided with an internal boss, said boss being provided with an axially spring pressed contact engaged with the electrode of the complementary section, the spring contact carrying section provided with an annular conductive member at its end opposed to the complementary section, said annular member being interposed between the shoulder on the sleeve and its companion section end, affording a swivel and electrical connection between the sections.

2,070,212

ADVERTISING CAP REMOVER

John N. Minden, Oklahoma, City, Okla.

Application October 22, 1935, Serial No. 46,193
2 Claims. (Cl. 65—46)

1. A cap removing device of the class described comprising a substantially semi-cylindrical body having a disk across one end thereof and concentric with the cylindrical feature of the body and having a portion struck therefrom to incline upwardly and inwardly toward the body out of the confines of the body and leaving a slit in the disk said disk forming a base



for supporting the body in an upright position when not in use.

2,070,213

METHOD OF MAKING WHITE LEAD PIGMENT

Thomas A. Mitchell, Denver, Colo., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming

No Drawing. Application October 25, 1934, Serial No. 750,018
6 Claims. (Cl. 23—71)

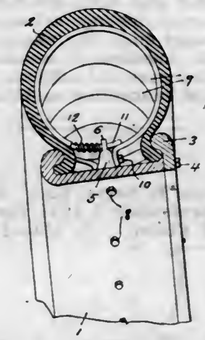
1. The method of making white lead comprising the steps of treating crystalline lead chloride with a strong aqueous solution of alkali metal hydroxide under conditions which produce a paste of lead hydroxychloride, suspending the paste in a hot aqueous alkali metal chloride brine and adding alkali metal carbonate thereto in amount required to form basic lead carbonate.

2,070,214

CUSHIONING UNIT FOR VEHICLE TIRES

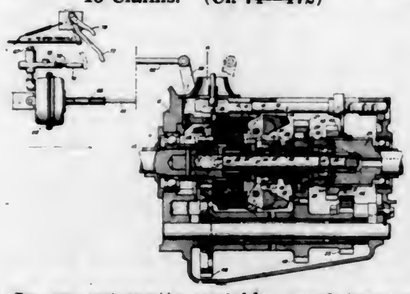
John Mocharnuk, McCamey, Tex.

Application February 15, 1936, Serial No. 64,152
3 Claims. (Cl. 152—8)



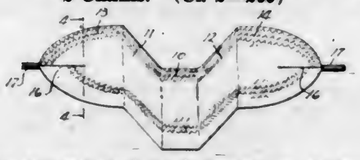
1. A yielding core for vehicle tires comprising an anchoring ring, a peripheral rib on said anchoring ring having spaced transverse apertures therein, resilient coils secured, at one end, to the anchoring ring, guides projecting from the free ends of said coils and extending slidably through the apertures, and coil springs mounted on said guides between the rib and the free ends of the coils.

2,070,215
AUTOMATIC TRANSMISSION
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application December 6, 1933, Serial No. 701,196
18 Claims. (Cl. 74—472)



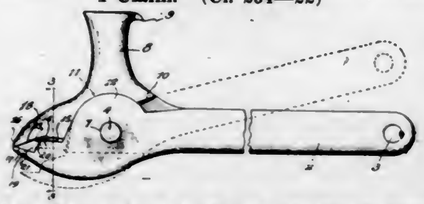
1. In an automatic variable speed transmission for a vehicle having an engine with an intake manifold and a throttle control, a driving shaft, a driven shaft, a clutch for connecting the shafts in a high speed ratio, means operable by manifold vacuum for varying the clutch capacity means for connecting the shafts around the clutch in a lower speed ratio, and mechanical means movable by the throttle control for controlling the manifold vacuum operable means to relieve the vacuum and vary the clutch capacity at a predetermined position of the throttle control.

2,070,216
EAR MUFF
Samuel Rosenberg, Milwaukee, Wis.
Application April 11, 1936, Serial No. 73,897
2 Claims. (Cl. 2—209)



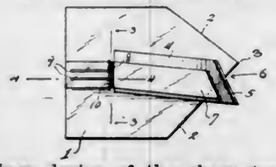
1. In an ear and neck protector, a strip of knitted material having selvaged edges and gored unselvaged ends, the margins of the gore being brought together in a seam whereby to cup the knitted material adjacent the ends and an elastic band connecting said cupped portions.

2,070,217
TOOL
William E. Seger, Lacy, S. Dak.
Application September 5, 1934, Serial No. 742,829
1 Claim. (Cl. 254—22)



A tool comprising a pair of companion members each having a handle and an enlarged forward portion at the front end of the handle constituting a jaw, the enlarged portion of one member being recessed and the enlarged portion of the other member having a lug fitting into the recess and pivotally mounted therein, said jaws having portions projecting forwardly from the lug and tapered towards their front ends to form bills having longitudinally curved outer edge faces, one bill having a flat diagonally extending inner edge face defining a wedge-shaped bill and the other bill having a V-shaped recess formed in its inner face defining a pocket between the bills and imparting an elongated slender contour to the jaw.

2,070,218
REED WIPER
Bertram Stirn, Brooklyn, N. Y.
Application August 1, 1936, Serial No. 93,895
4 Claims. (Cl. 84—453)



1. A wiper device of the character described comprising two flat bodies disposed in side by side relation, one of said bodies being formed of a yielding material suitable for use as a wiper element, securing means between the bodies whereby adjacent ends of the two bodies may be separated for the insertion of an article therebetween, and said bodies having the separable ends thereof cut along intersecting lines whereby the two ends together form a V into which the said article may be inserted to be guided to position between the bodies.

2,070,219
DOOR
Michael J. Tracy, Robertson, Mo.
Application May 22, 1935, Serial No. 22,771
12 Claims. (Cl. 189—46)



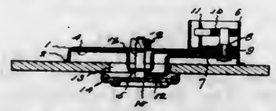
1. A jail or prison door comprising a pair of spaced apart plates, elements secured to said plates and extended therefrom in overlapping relation, said elements being provided with alined openings formed therein, and bars extended through said openings for connecting said spaced apart plates together, said bars being so arranged within the door as to provide an obstructing structure adapted to prevent passage of a person through the door structure.

2,070,220
TRANSILLUMINATING HOOD
Wilfred D. Whiteside, Timpson, Tex.
Application April 22, 1936, Serial No. 75,811
6 Claims. (Cl. 128—13)



1. A hood for attachment to the face or head of a person and comprising, a casing having an open end and including a curved plate forming the opposite end and sides of the casing, said plate having a pair of apertures at opposite sides of said casing, a pair of crescent shaped plates forming concave edges at the open end of the casing, flexible overlapping flaps covering said apertures, an eye piece mounted on the curved plate intermediate said apertures and having a sight opening therein communicating with the interior of the casing, and means for attaching the casing to the head or face with the open end against the same.

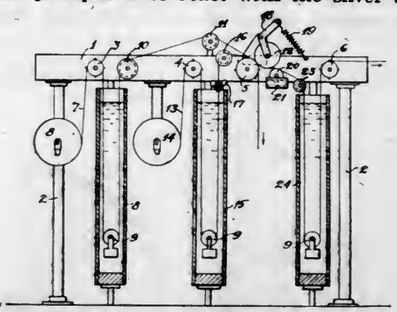
2,070,221
THERMOMETER
Horace R. Whittier, Bristol, Conn., assignor to The Cooper Oven Thermometer Company, Plymouth, Conn., a corporation of Connecticut
Application November 3, 1936, Serial No. 108,962
1 Claim. (Cl. 73—118)



A thermometer comprising a cup, a dial fitted within the cup, said dial having a narrow integral raised section that projects forwardly out of the cup and extends vertically when the device is in use, numerals marked one above the other to read vertically on the raised section of the dial, a spindle rotarily supported by and extending through the bottom of the cup and dial, a thermo-responsive coil with one end connected to the end of the spindle in back of the bottom of the cup, a pointer attached to the end of the spindle in front of the dial, the end of the pointer extending in front of said numerals, a cover having a narrow vertical window shaped to expose said numerals and the tip of the pointer, and means extending rearwardly from the cover through the dial and bottom of the cup for securing the cover to the cup.

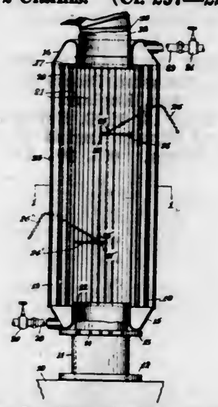
2,070,222
PHOTOGRAPHY
Percy Douglas Brewster, Rumson, N. J.
Application June 5, 1933, Serial No. 674,393
11 Claims. (Cl. 101—149)

7. In a process for producing a series of dye images fixed on a metallic mordant in gelatin coated motion picture film comprising impregnating a gelatin matrix bearing a series of images with a soluble silver salt, pressing the matrix against the gelatin coated film to transfer the series of images in the form of the silver salt into the gelatin, treating the gelatin with a soluble precipitant to react with the silver salt



to form a dye mordant and treating with proper dye.

2,070,223
HEATER
Carl Post Butler, New York, N. Y.
Application December 9, 1935, Serial No. 53,557
2 Claims. (Cl. 257—224)

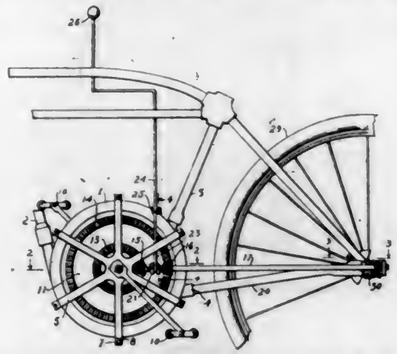


1. A water heating device adapted to be inserted in a flue pipe line receiving hot products of combustion, comprising an annular trough coupled to the said flue pipe line, an inlet passage connected to the said trough, a spaced and opposite trough similarly coupled to the said flue pipe line, an outlet passage connected to the latter trough, cover members affixed to the said troughs and being provided with contiguous sets of concentrically disposed openings, pipes through the said openings communicatively connecting the upper and lower troughs, damper members within the central conduit formed from the said pipes between the said troughs to impede the progress of the hot products of combustion and an outer casing enclosing the said pipes.

2,070,224
BICYCLE
Agostino P. Cortesi, Reno, Nev.
Application November 20, 1935, Serial No. 50,656
1 Claim. (Cl. 208—55)

In a bicycle, the combination with the pedal operated axle and the rear drive wheel axle, of an annular member concentrically disposed relative to the first axle and integrant with the bicycle frame, a pair of members overlying the opposite sides of the first member and fixedly secured thereto, and in which the pedal operated

axle is journaled, a pair of shafts journaled in the bicycle frame and drivingly associated with the second axle, and speed-changing mecha-



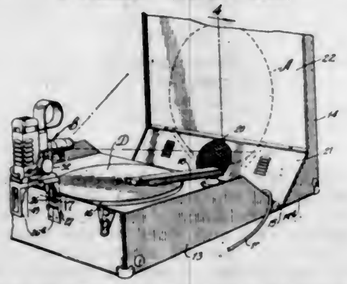
nism operatively associated with the first axle and the said pair of shafts and disposed between the said pair of members.

2,070,225
PRUNING AND LIKE SHEARS
Robert Cochran Dickson, Bicknoller, near Taunton, England
Application July 13, 1936, Serial No. 90,402
In Great Britain August 28, 1935
2 Claims. (Cl. 30—11)



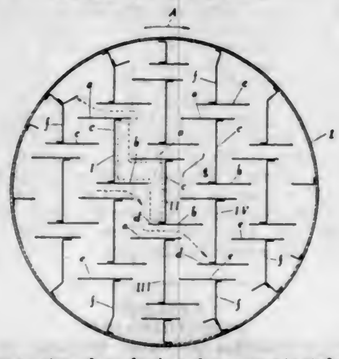
1. Pruning shears comprising a rigid body member, said member being longitudinally bored, two plates secured on opposite sides of the forward end of the body member, said plates being slotted, a pair of cutting blades pivotally mounted between said plates, a toggle lever connecting the rear ends of the cutting blades, the pivot pin of said toggle lever sliding in the slots in said plates, two plates secured on opposite sides of the rear end of the body member, said plates being slotted, two operating members secured to said plates by parallel motion gear, a toggle lever arranged between said operating members and oppositely arranged to the first mentioned toggle lever, the pivot pin of the second mentioned toggle lever sliding in the slots in the rear plates, a rod connecting the pivot pins of the toggle levers and passing through the longitudinal boring in the body member and spring means for returning the cutting blades to normal open position on release of the operating members.

2,070,226
SOUND AND PROJECTION APPARATUS
Joseph Erwood, Chicago, Ill., assignor to The Webster Company, Chicago, Ill., a corporation of Illinois
Application June 24, 1935, Serial No. 28,047
2 Claims. (Cl. 88—16.2)



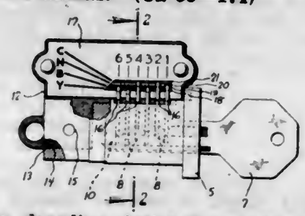
1. A portable projector apparatus comprising a cabinet having a cover, a screen on the inside of the cover, a projector, a mounting for the projector such that the projector may be supported on the cabinet at a point remote from the screen to project an image upon the screen within the cover when the cover is open, means for carrying the projector within the cabinet when the cover is closed thereon, a sound record, means within the cabinet for playing the sound record including an electrical sound reproducer, means for amplifying the electric current produced thereby, and a loud speaker mounted in the base of the cover, the cover with the screen and speaker being removable from the cabinet to a more distant location for projection of an image thereon.

2,070,227
ROTARY DRUM DRIER
Jakob Essers, Lank-on-the-Rhine, Germany, assignor to The Buell Combustion Company Limited, London, England, a company of Great Britain
Application April 23, 1936, Serial No. 75,934
In Germany February 7, 1935
6 Claims. (Cl. 34—6)



3. Apparatus for drying loose materials comprising a rotatable drum and shelf units extending generally axially of said drum, each of a multiplicity of said units being spaced from the periphery of said drum and from the other units and comprising a pair of generally parallel end-shelves and a connecting shelf extending between the same, one of said end-shelves extending a smaller distance at one side of said connecting shelf and a larger distance at the other side thereof and the other of said end-shelves extending a larger distance at said one side of said connecting shelf and a smaller distance at said other side thereof, each of said end-shelves being spaced from all other shelves except the connecting shelf of its unit, and said units being so arranged one with respect to the other that material to be dried may traverse substantially the entire cross-section of the drum by passing from unit to unit during the rotation of the drum.

2,070,228
KEY DECODER
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application May 13, 1935, Serial No. 21,280
4 Claims. (Cl. 33—174)



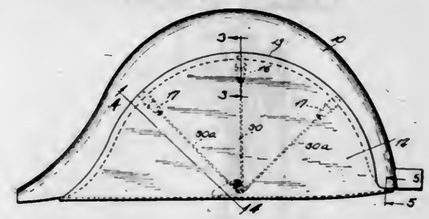
1. A key decoding device comprising a body having a keyway adapted to receive a key, spring pressed tumblers mounted in the body and adapted to be lifted to different heights against the action of their springs by a key inserted into the keyway, end portions on the tumblers projectible from the body to heights corresponding to the distances the tumblers are lifted by the key, a part carried by the body and having a surface across which the projecting end portions of the tumblers move, and side by side stripes representing different tumbler depths delineated on said surface transversely across the paths of the tumbler end portions to cooperate therewith and indicate the combination of the key.

2,070,229
DETACHABLE LIFT FOR SHOES
Frank T. Gentile, Brooklyn, N. Y.
Application June 22, 1933, Serial No. 677,097
Renewed March 6, 1936
3 Claims. (Cl. 36—42)



1. A heel having a hollow metal tube of polygonal cross section non-removably fitted therein and extending vertically thru the lower portion of the heel and thru the substantial vertical center thereof, a polygonal sheet metal shank removably fitted in said hollow tube, said shank being formed from a blank of sheet metal to provide a space between the free edges thereof whereby resiliency in the walls adjacent the space is afforded, an integral spring tongue on one of the walls of the shank adapted to force the free edges of the shank into engagement with inner corner portions of the hollow tube, claw means on the shank, and a lift carried by the claw means and held in contact with the bottom of the heel.

2,070,230
WHEEL GUARD
Ray W. Harroun, Detroit, Mich., assignor to Aero-Style Corporation, Indianapolis, Ind., a corporation of Indiana
Application May 15, 1934, Serial No. 725,783
12 Claims. (Cl. 280—153)



7. In a device of the class described, a guard wall adapted to close the side opening of an automobile wheel fender, with the upper edge of the guard wall adapted to overlap a substantially vertical exposed surface of the outside edge of the fender opening, tensioned latch connections between the guard wall and fender for normally influencing the guard wall in an upward and inward direction of movement, and stop means adjacent the ends of the guard wall adapted to be positioned beneath the underside of the fender for effecting a predetermined alignment of the lower edge of the guard wall with the fender.

2,070,231
ACID CONTAINER
Alexander Katona, Philadelphia, Pa., assignor, by mesne assignments, to Meeka Laboratories, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 19, 1935, Serial No. 7,198
8 Claims. (Cl. 206—2)



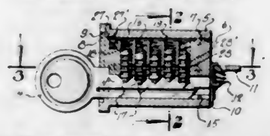
1. A combined shipping and dispensing container comprising a relatively rigid outer casing having end closure members, an inner fluid container within said casing and provided with a projecting dispensing member, one of said end closure members having an opening therethrough through which the dispensing member extends, said inner container being in contact with said outer casing and with said other end closure member and being composed of soft yieldable rubber self sustaining as to shape and form independent of said outer container.

2,070,232
POCKET LIGHTER
Louis Lenfant, Paris, France, assignor to Cartier, Societe Anonyme, Paris, France, a company of France
Application February 18, 1933, Serial No. 657,374
In France May 14, 1932
9 Claims. (Cl. 67—7.1)



1. A pocket lighter of the type described comprising in combination, a vertical casing, a horizontal plate at the top of said casing, a vertical spindle carried by said plate, a spark wheel mounted on said spindle, a milled operating wheel also mounted on said spindle and operatively connected with said spark wheel, a flint, guiding means carried by said plate for holding said flint in a horizontal position juxtaposed with said spark wheel, a spiral spring vertically mounted in said casing, a stop for the lower end of said spiral spring, a sliding rod vertically guided in said casing and resting upon the upper end of said spring, a sloping surface at the upper end of said rod, and a bell crank journalled in said casing above said plate having one arm in contact with said sloping surface and the other arm in contact with said flint so as to hold it firmly against said spark wheel.

2,070,233
CYLINDER LOCK
Samuel A. Liss, Philadelphia, Pa., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Original application March 31, 1933, Serial No. 663,805, now Patent No. 2,003,086, issued May 28, 1935. Divided and this application June 29, 1934, Serial No. 733,050
2 Claims. (Cl. 70—46)



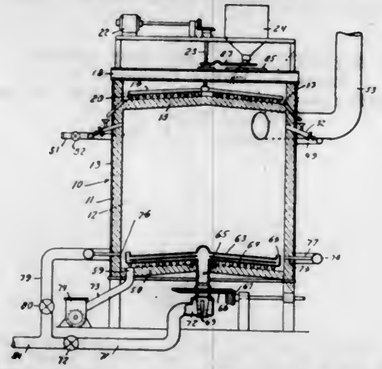
1. In a lock, a bored mounting member, a lock cylinder movable therein and having transversely extending tumbler guideways, a plurality of key operable tumblers guided at their sides in said guideways for linear movement transversely of the cylinder, and an auxiliary tumbler movable in a plane angular to the plane of movement of said plurality of key operable tumblers biased to an operative position interlocking the cylinder and its mounting member and positively held in its operative position by the unimpaired thickness of any one of said plurality of key operable tumblers in any but properly retracted position irrespective of whether such position is one way or the other from the properly retracted position, the thrust of said auxiliary tumbler being transmitted through the solid unimpaired thickness of said key operable tumbler directly to said guideway.

2,070,234
SHOETREE AND STRETCHER
Albert Loeffler, New York, N. Y.
Application February 11, 1936, Serial No. 63,305
1 Claim. (Cl. 12—128.2)



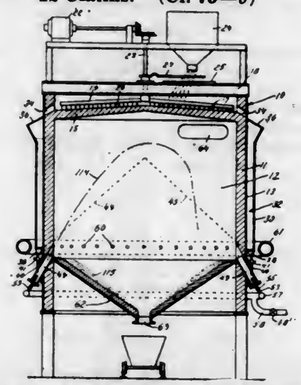
A shoe tree and stretcher comprising a pair of curved plates suited to engage in the forward part of a shoe, hinges connecting said plates along a median line at their juxtaposed edges, said plates having a plurality of spaced longitudinal slots in their upper portions, button headed stretchers movable in the mentioned slots, said stretchers having screw threaded stems, nuts to engage said stems to retain said stretchers in adjustment in the slots, a heel brace adjustably engaged in the heel of the shoe, a pair of levers pivoted in said plates to extend convergently rearward, said levers adapted to distend said plates, a channel shaped extension extending forwardly from said heel brace, the sides of said extension being plurally perforated, an arm having opposed prongs selectively engageable in the mentioned perforations, and a pivoted connection from said arm to said levers.

2,070,235
PRODUCTION OF SULPHUR DIOXIDE
Edwin J. Mullen, New Rochelle, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application September 8, 1932, Serial No. 632,091
16 Claims. (Cl. 75—9)



1. The method of roasting metal sulphide fines to produce sulphur dioxide which comprises preheating the fines by the heat of the roasting reaction, injecting the preheated fines into the upper end of a combustion zone, the combustion zone being heated to temperatures at least above the ignition point of the fines, said fines being injected into the combustion zone at velocity so as to cause at least a portion of the fines particles to travel horizontally across the combustion zone a distance not less than about one-half the horizontal dimension thereof and to effect fall of fines through the combustion zone without contact of any substantial quantities of fines with the heated walls of the combustion zone, causing fines particles to drop through the combustion zone countercurrent to a stream of air, regulating the quantity and velocity of the stream of air so as to provide sufficient oxygen to effect relatively complete oxidation of the fines and to avoid interference with the substantially free fall of the fines particles through the combustion zone, permitting a substantial body of cinder to collect in the bottom of the combustion zone whereby heat is radiated into the latter, withdrawing gaseous reaction products from the top of the combustion zone, and discharging cinder from the bottom thereof.

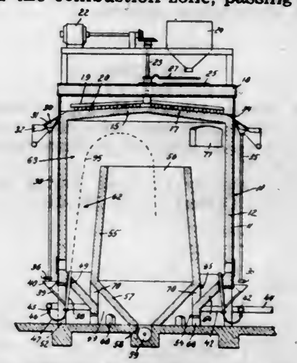
2,070,236
METHOD AND APPARATUS FOR MAKING SULPHUR DIOXIDE
Edwin J. Mullen, New Rochelle, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application March 10, 1933, Serial No. 660,217
12 Claims. (Cl. 75—9)



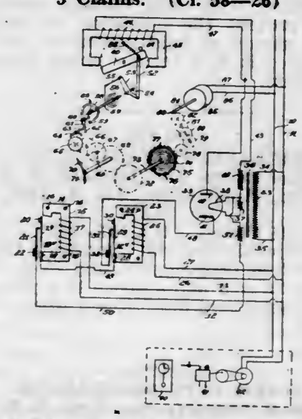
1. The method of roasting finely divided metallic sulphides to produce sulphur dioxide which comprises passing fines to be roasted in heat exchange relation with the top and at least a major portion of the sides of a heated combustion zone whereby fines are dried and preheated, and heat loss from the combustion zone prevented, injecting the fines into the bottom of the combustion zone at the periphery thereof, further heating the fines by heat absorption from roasted cinder, passing the fines upwardly then downwardly through the combustion zone over substantially the longest path of travel, flowing a stream of oxidizing gas upwardly through the combustion zone, regulating the quantity and velocity of the stream of oxidizing gas to provide sufficient oxygen to effect substantially complete oxidation of the fines and avoid interference with the free gravity fall of the particles through the combustion zone, discharging cinder from the bottom of the combustion zone, and withdrawing sulphur dioxide containing gases from the top of the combustion zone.

2,070,237
PRODUCTION OF SULPHUR DIOXIDE
Edwin J. Mullen, New Rochelle, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application December 31, 1934, Serial No. 759,875
5 Claims. (Cl. 75—9)

1. The method for roasting finely divided metal sulphide material to produce sulphur dioxide which comprises injecting the sulphide material upwardly at the outer periphery and at the base portion of a combustion zone by means of air at superatmospheric pressure, introducing a stream of oxidizing gas into the base portion of the combustion zone, roasting the material in suspension in the oxidizing gas while passing the material and the gas upwardly in co-current flow relation, withdrawing sulphur dioxide from the top of the combustion zone, passing the material, while suspended, downwardly through an inner sedimentation zone communicating at the top with and arranged concentrically with respect to the outer combustion zone, said sedimentation zone being relatively insulated from high combustion temperatures whereby the material is shielded, while suspended, from high combustion temperatures and absorption of heat by the material is minimized, and discharging solid material from the bottom of the sedimentation zone.



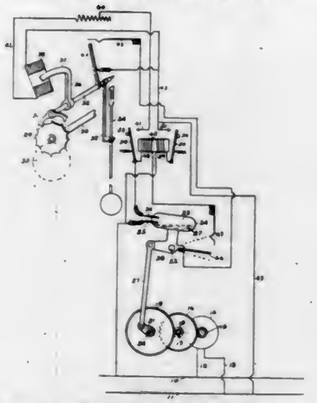
2,070,238
ELECTRIC CLOCK
Arthur F. Poole, Ithaca, N. Y., by Maryline B. Poole, administratrix of said Arthur F. Poole, deceased, assignor to Maryline B. Poole, Ithaca, N. Y.
Application October 17, 1931, Serial No. 569,457
5 Claims. (Cl. 58—26)



1. In an electric clock the combination of a source of alternating current, a reed tuned to a submultiple of the frequency of said alternating current, a second reed tuned to a second submultiple of the frequency of said alternating current, electromagnetic means operated by said current to operate said reeds, a set of contacts

operated by said first reed, a second set of contacts operated by said second reed, a circuit energized by said source of alternating current and including said first set of contacts and said second set of contacts, whereby a low frequency current is allowed to flow in said circuit by reason of the joint action of said two sets of contacts, clock hands, means to drive said clock hands, and means in said circuit whereby said hand driving means is held in step with said source of alternating current.

2,070,239
ELECTRIC CLOCK
Arthur F. Poole, Ithaca, N. Y., by Maryline B. Poole, administratrix of said Arthur F. Poole, deceased, assignor to Maryline B. Poole, Ithaca, N. Y.
Application January 11, 1932, Serial No. 585,903
3 Claims. (Cl. 58—26)



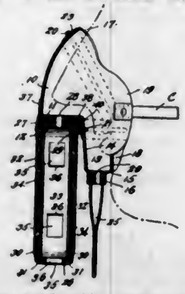
1. In an electric clock the combination of a source of commercial alternating current of regulated frequency, a contact making device moving in step therewith, a clock movement, a pendulum oscillated by said clock movement, means controlled by said contact device to synchronize said pendulum with said contact device and means to prevent the operation of said synchronizing means on said pendulum until said contact device is in a certain phase relation to said pendulum.

2,070,240
THERAPEUTIC COMPOUND
Samuel Ruben, New Rochelle, N. Y.
No Drawing. Application May 9, 1936, Serial No. 78,855
15 Claims. (Cl. 167—65)

1. A therapeutic material comprising the water soluble reaction product resulting from heating acetyl salicylic acid and a glycol to a point from which no crystals are precipitated when the material cools.

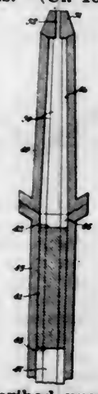
2,070,241
FILTER TYPE RESPIRATOR
Nathan Schwartz, New York, N. Y.
Application October 12, 1935, Serial No. 44,694
14 Claims. (Cl. 128—146)

6. A filter type respirator including a face piece having a hollow nose covering portion and a set back mouth covering portion, an exhalation valve connected to said face piece and having communication with said chin covering portion, a filter unit having communication with the interior of the face piece through the nose covering portion and resilient means normally securing the filter unit to the bottom wall of the nose



covering portion and adjacent to the mouth covering portion and permitting of the swinging of the filter unit outwardly with reference to the said mouth covering portion.

2,070,242
THERMOPLASTIC PRODUCT AND METHOD OF FORMING SAME
Wilbur F. St. Clair, Newark, N. J., assignor to Celluloid Corporation, Newark, N. J., a corporation of New Jersey
Application March 7, 1934, Serial No. 714,389
8 Claims. (Cl. 18—55)

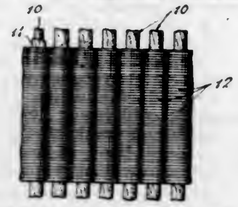


1. The herein described process for the production of high lustre mottled pearl holder elements for pens, pencils, and the like, which consists in providing a solid blank of seasoned material of stiffness and rigidity suitable for ordinary handling and having materially less external surface area than that of the holder element to be formed therefrom, subjecting said blank to heat and pressure so as to expand it in a mold with a large increase in its surface area to form a holder element, heating the blank and mold prior to the forming operation, cooling the mold with the molded element therein after the forming operation, and stripping the molded holder element from the mold.

2,070,243
WOVEN FABRIC
Charles H. Stern, New York, N. Y.
Application January 17, 1936, Serial No. 59,510
6 Claims. (Cl. 139—428)

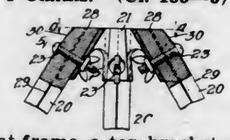
1. A Mogador tie silk fabric, in which the ribs are formed of relatively coarse undyed low twist silk strands containing their natural gum and

in which the covering strands are composed of relatively fine, degummed and dyed silk strands substantially and completely enclosing the rib



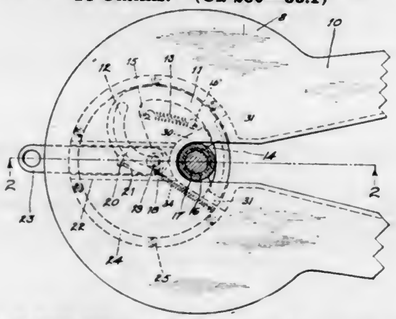
strands and anchored in position by the gum on said rib strand, said ribs being formed by the filler and said covering strands being formed by the warp.

2,070,244
PLAY TENT
Nicholas Staab, Chicago, Ill., assignor to J. W. Johnson Company, Chicago, Ill., a corporation of Illinois
Application February 23, 1935, Serial No. 7,738
4 Claims. (Cl. 135—3)



1. In a tent frame, a top bracket member provided with a plurality of divergent grooves, an equal plurality of frame members, means for clamping the upper ends of the frame members in said grooves and causing the frame members to project in a divergent manner similar to the divergence of the said grooves.

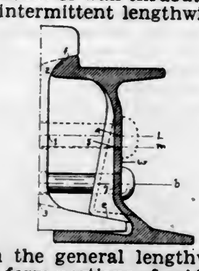
2,070,245
AUTOMOTIVE VEHICLE
Howard E. Swift, Westfield, Mass.
Application April 16, 1932, Serial No. 605,570
14 Claims. (Cl. 280—33.1)



1. A fifth wheel lock including in combination a pair of cooperating fifth wheel members, one having a projecting king pin and the other a slot along which the pin can be moved from coupled to uncoupled position and a rotatable locking bolt for obstructing the slot and having its pin engaging face concentric with the center about which the bolt is rotated.

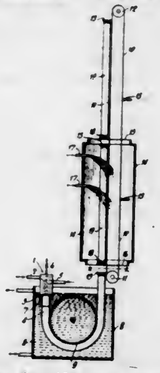
2,070,246
RAILWAY RAIL AND RAIL-JOINT
Samuel G. Thomson, Flushing, N. Y.
Application August 18, 1931, Serial No. 557,763
3 Claims. (Cl. 238—188)

1. In a rail-joint for T-rails, a splice bar comprising laterally disposed upper and lower members adapted to engage respectively the rail head and the rail foot, and a thin upright web joining said members, said web having substantially uniform thickness of wall thruout its height, and also having intermittent lengthwise portions di-



verging from the general lengthwise alignment of the web to form portions of said lower member adapted to intermittent foot engagement, and a clamping bolt having its uppermost surface lying nearer to the rail foot than to the rail head.

2,070,247
TUBING AND PROCESS AND APPARATUS FOR PRODUCING THE SAME
Richard Weingand and Arnold Muchlinski, Bomlitz, near Walsrode, Germany, assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application September 1, 1934, Serial No. 742,478
16 Claims. (Cl. 18—57)



1. In a process for the preparation of seamless, flexible tubing, the steps comprising extruding a suitable solution of non-fibrous plastic material through an annular nozzle in the form of a tube, coagulating the tubing while subjecting the freshly extruded tubing to a positively induced transverse stretching without subjecting the tubing to a substantial longitudinal stretching and maintaining the tubing in a distended condition while subjecting the tubing to purifying and conditioning treatments.

2,070,248
NITROCELLULOSE PRODUCT
Richard Weingand and Arnold Muchlinski, Bomlitz, near Walsrode, Germany, assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
No Drawing. Application October 10, 1934, Serial No. 747,808. In Germany February 13, 1934
15 Claims. (Cl. 18—57)

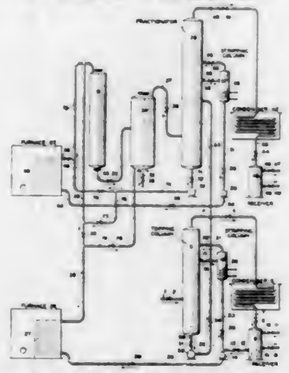
1. In a process for the production of nitrocellulose pellicles having a matte appearance, the step comprising coagulating in an aqueous bath a nitrocellulose containing from about 11.6% to 12.4% by weight of nitrogen from a concentrated

and relatively viscous solution thereof in a solvent comprising ether and alcohol, the proportion of ether and alcohol lying between 1:1 and 1:4.

2,070,249
CONVERSION OF HYDROCARBON OILS

Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application December 30, 1933, Serial No. 704,604
8 Claims. (Cl. 196—48)



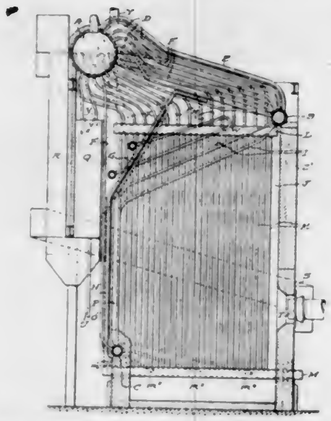
1. A process for the treatment of hydrocarbon oils which comprises subjecting raw oil charging stock for the process to a topping operation whereby its light fractions, boiling within substantially the range of motor fuel, are separated from its higher boiling components, comprising topped charging stock, separating the latter into low-boiling and high-boiling fractions, subjecting the low-boiling fractions to conversion temperature at superatmospheric pressure in a heating coil and communicating reaction chamber, separating the resulting vaporous and residual conversion products, subjecting the vapors to fractionation whereby their insufficiently converted components are condensed as reflux condensate, subjecting fractionated vapors of the desired end-boiling point to condensation, separating the reflux condensate into low-boiling and high-boiling fractions, returning low-boiling fractions of the reflux condensate to further conversion in the heating coil, together with the low-boiling fractions of the topped charging stock, subjecting motor fuel fractions of low anti-knock value recovered from the charging stock by the topping operation to reforming under independently controlled conversion conditions of elevated temperature and superatmospheric pressure in a separate heating coil, commingling the heated products from said separate heating coil with the vaporous conversion products of the process, prior to their fractionation, and subjecting said high-boiling fractions of the topped charging stock, together with said high-boiling fractions of the reflux condensate to relatively mild conversion conditions in the same cracking system without passing the same through a heating coil.

2,070,250
BOILER CONSTRUCTION

John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa., a corporation of Maryland

Application September 5, 1935, Serial No. 39,254
5 Claims. (Cl. 122—478)

1. In a boiler for the combustion of finely divided fuel, the combination with a combustion chamber provided with a rear wall, of a relatively large steam-and-water drum at the top of the boiler in the rear portion thereof, a relatively small intermediate header at the front of the boiler and at a lower level than said drum, a relatively small lower header at the bottom of said boiler at the rear portion thereof, a relatively small bank of riser tubes exposed to the radiant heat in said combustion chamber and directly connecting said lower header with said intermediate header, a bank of riser tubes exposed to the radiant heat of said combustion chamber directly connecting said front header

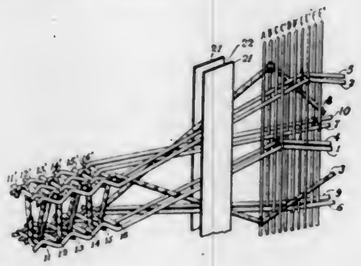


with said steam-and-water drum, a plurality of banks of riser tubes extending upwardly along said rear wall and directly connecting said lower header with said drum, one of said banks of tubes having the lower portion shielded from the radiant heat of the combustion chamber by said rear wall and another of said banks being shielded from the radiant heat at the upper portions thereof, and a relatively small bank of downcomer tubes directly connecting said steam-and-water drum with said lower header and shielded from the radiant heat of the combustion chamber.

2,070,251
IMPREGNATED PILE FABRIC AND METHOD OF MAKING SAME

Whitworth Fontaine Bird, Springfield, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application August 15, 1936, Serial No. 96,258
12 Claims. (Cl. 28—1)



1. An impregnated single weft plane porous cut pile fabric having a visually uniform face cover-

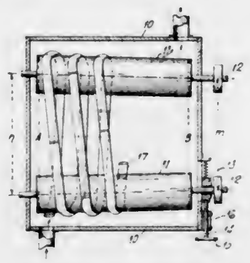
age which consists of warp and weft backing threads, pile tufts, the tips of which are free of impregnating material, attached to the backing in weft-wise spaced groups, each group having a plurality of rows of pile tufts, said tufts in one row being staggered with respect to the tufts in another row in the same group, each tuft being associated with a pair of backing warps which interlace on opposite sides of the tuft with the weft in flats, a normally insoluble adhesive material impregnated and diffused well into the backing and that portion of the tuft which lies in the same plane with the backing but not filling the interstices between the groups.

7. In the weaving of pile fabrics on the double plush principle on a loom having a reed containing dents, the steps for obtaining maximum pile coverage which consist in drawing through each of the dents a plurality of pile warp threads each having a diameter larger than the maximum diameter of pile warp threads which, with the customary knots therein, would pass in practical weaving through reed dents having one-half the width of said reed dents, drawing through each of said reed dents a plurality of pairs of upper ground warp threads and a plurality of pairs of lower ground warp threads, shedding said warp threads to form upper and lower ground sheds and laying picks in the upper and lower ground sheds to form upper and lower grounds spaced apart and having a pile loop on every pick in every dent group in both the upper and lower fabric, the pile tufts on adjacent picks in every dent group of each fabric being staggered relatively to one another and separated by a plurality of ground warps.

2,070,252
PROCESS AND APPARATUS FOR DRYING TUBING

Christian Börner, Bomlitz, near Walsrode, Germany, assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application September 11, 1934, Serial No. 743,589
10 Claims. (Cl. 34—24)



1. In an apparatus for drying seamless, flexible tubing, the combination of a heating chamber having a wet and a dry end, means for conveying the tubing through said chamber comprising spaced rotatable rollers, said rollers tapering uniformly from the wet to the dry end of the chamber and defining a circuitous path, the successive circuits of which become progressively shorter as the tubing is advanced about the rollers, and means for adjusting and fixing the space between said rollers for correlating the length of the path with the shrinkage of the tubing so that the tubing is allowed to shrink without being subjected to a substantial longitudinal stretching.

2,070,253
CORN STARCH DEXTRINE RE-MOISTENING GUM

Thomas A. Bruce, Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware

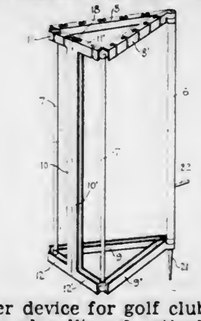
No Drawing. Application September 29, 1934, Serial No. 746,149
9 Claims. (Cl. 127—32)

5. Method of making a paste having, when in the form of a dry film, the characteristics of a re-moistening gum which consists in cooking dry roasted corn starch dextrine and water in approximately equal proportions under about 25 pounds steam pressure for about 20 minutes.

2,070,254
CARRIER DEVICE FOR GOLF CLUBS AND THE LIKE

Harry W. Burgner, Sinking Spring, Pa.

Application June 18, 1935, Serial No. 27,199
9 Claims. (Cl. 150—1.5)

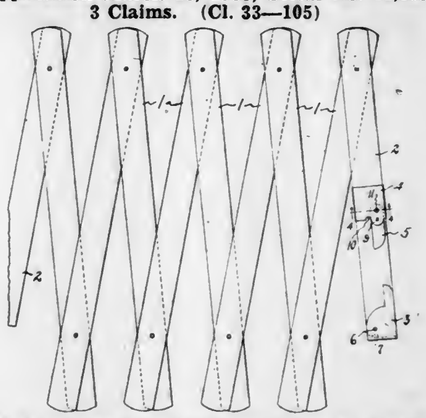


1. A carrier device for golf clubs and the like, comprising a plurality of articulated club-supporting sections provided on one face thereof with laterally-engageable club-holding means, said sections being swingable on one another to retainingly infold the held clubs and to outwardly expose them for selective lateral removal and replacement.

2,070,255
RULE

Frederick O. Carlson, New York, N. Y., assignor to Master Rule Manufacturing Company, Inc., New York, N. Y., a corporation of New York

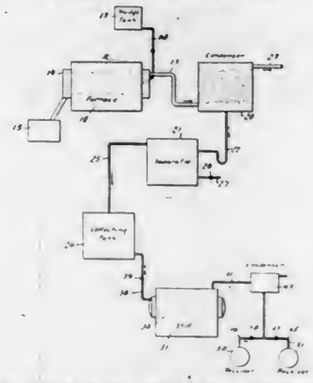
Application March 18, 1935, Serial No. 11,565
3 Claims. (Cl. 33—105)



2. A rule as described comprising a plurality of graduated non-metallic sections connected to-

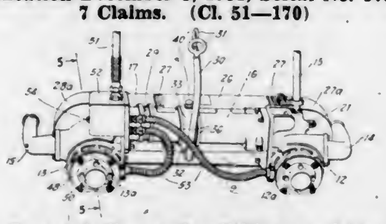
gether so as to be movable into the full rule length and closed into overlying sections, and a metal end section movably connected to one of the non-metallic sections to form a terminal section.

2,070,256
METHOD FOR MAKING A SULPHUR BEARING OIL
Bernard M. Carter, Montclair, N. J., Theodore V. Fowler, Pelham, N. Y., and Henry F. Merriam, West Orange, N. J., assignors to General Chemical Company, New York, N. Y., a corporation of New York
Application April 20, 1934, Serial No. 721,482
5 Claims. (Cl. 196—148)



1. The method for making a sulphur bearing oil comprising destructively decomposing sludge material, resulting from treatment of light hydrocarbon oil distillates containing not less than about 0.15% sulphur with sulphuric acid, by heating substantially in the absence of extraneous gases to temperatures not less than about 250° F. and not more than about 600° F. to form a hot gas mixture containing sulphur dioxide, water and hydrocarbon vapors, cooling the gas mixture to condense the vapors and separate the same from the sulphur dioxide and form a condensate containing water and oil, separating oil and water, and recovering the oil.

2,070,257
POWER APPARATUS
Charles B. Coates, Cleveland, Ohio., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1931, Serial No. 578,675
7 Claims. (Cl. 51—170)

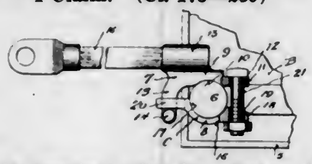


1. In a grinding and polishing machine, supports disposed in spaced relation, belt pulleys rotatably mounted on said supports, tubular projections on said supports in telescoping relation and having stops to limit the movement of said supports toward and from each other, interfitting means within said projections providing an expansible chamber, and means for supplying pressure fluid to and for venting it from said chamber.

2,070,258
PRODUCTION OF TERTIARY BUTYL ALCOHOL
Gerald H. Coleman and Garnett V. Moore, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 18, 1934, Serial No. 721,155
6 Claims. (Cl. 260—156)

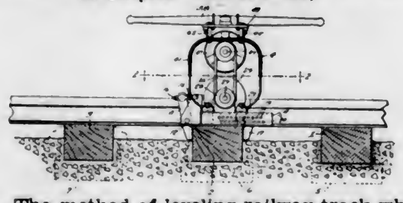
1. The method of making tertiary butyl alcohol which comprises heating a hydrocarbon mixture containing isobutylene but substantially free of other tertiary base olefines with a less than 2 normal aqueous solution of a mineral acid under pressure to a reaction temperature below 200° C. in the substantial absence of salts of metals selected from the class consisting of bismuth and the heavy metals of the first group of the periodic system.

2,070,259
BATTERY CABLE TERMINAL
George F. Cremer, Milwaukee, Wis.,
Application March 4, 1935, Serial No. 9,259
1 Claim. (Cl. 173—259)



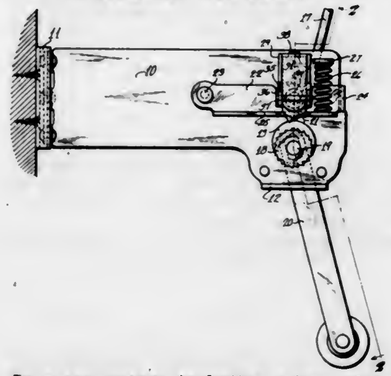
A cable terminal clip for storage batteries comprising a pair of independent companion sections, a cable-receiving sleeve carried by one section, each of said sections including a companion body portion having arcuate inner faces for engaging a battery post, bolt-receiving ears formed on the ends of the body portion at one side, a laterally extending arm formed on the other end of one body portion, a stop on the outer end of the arm, a yoke on the other body portion straddling the arm and bearing against the stop, a tightening bolt extending loosely through the ears, and depending flanges formed on the lower edges of the body portions of the sections, whereby to space the ears and the cable-receiving sleeve from the upper face of the battery to facilitate adjustment of the bolt, said arm being cylindrical, whereby the yoke is free for swinging and sliding movement thereon to permit the sections to adjust themselves on the battery post.

2,070,260
METHOD AND APPARATUS FOR REPAIRING RAILWAY TRACK
William P. Day, Cleveland Heights, Ohio, assignor to The International Vibrator Company, Cleveland, Ohio, a corporation of Ohio
Application September 13, 1935, Serial No. 40,462
12 Claims. (Cl. 104—12)



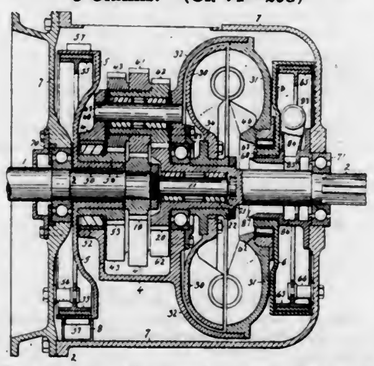
1. The method of leveling railway track which consists in elevating the ends of the ties on which the rails are supported, placing loose stone adjacent the ends of the ties and applying rapid and violent vibrations directly to the ties to cause the loose stone to move under the elevated ends of the ties.

2,070,261
CAN OPENER
Harry L. Dazey, St. Louis, Mo., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application March 15, 1935, Serial No. 11,215
6 Claims. (Cl. 30—3)



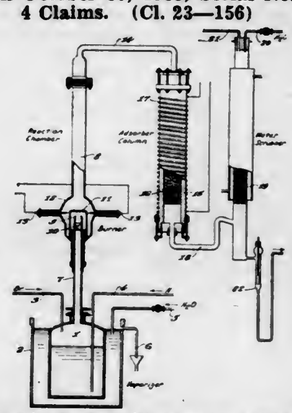
1. In a can opener including a base plate and a feed wheel for moving a can relative to the base plate, an arm projecting from the base plate above said feed wheel, a cutting element projecting downwardly from said arm, means forming a swivel connection between the cutting element and said arm, and a spring urging said blade inwardly toward the feed wheel, adapted yieldingly to resist swivelling movement of the blade.

2,070,262
AUTOMATIC POWER TRANSMISSION
William A. Duffield, Montreal, Quebec, Canada, assignor to Juno Corporation Limited, Montreal, Quebec, Canada, an incorporated company
Application December 20, 1935, Serial No. 55,358
8 Claims. (Cl. 74—293)



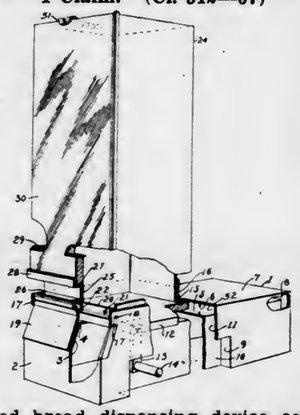
1. In an automatic power transmission, a casing, a fluid coupling of the Fottinger type having a driver and a runner, a power driven shaft a tail shaft, journalling the driven shaft, both shafts journalled in the casing, adjacent pinions on the shafts, a carrier journalled about the shafts, integral gears journalled on the carrier, two sets of which mesh with the pinions, a brake drum keyed to a sleeve journalled on the driven shaft having a pinion meshing with the third set of gears, the driver of the fluid coupling keyed to the tail shaft, the runner connected by a housing to the carrier, an overrunning clutch connected to the runner, a brake control connected to this clutch.

2,070,263
METHOD OF MAKING HYDROBROMIC ACID
Grayton F. Dressel and Otto C. Ross, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application October 30, 1933, Serial No. 695,743
4 Claims. (Cl. 23—156)



1. The method of making water-white hydrobromic acid solution which comprises passing hydrogen through a body of liquid bromine maintained at a temperature between 37° and 42° C. to form an approximately equimolecular mixture of bromine vapor and hydrogen, burning the mixture, while causing the flame to impinge upon a surface of heat resistant material maintained at incandescence by the heat of the flame, partially cooling the combustion gases, passing the latter through a body of active charcoal maintained at a temperature between about 150° and about 200° C., and absorbing the purified hydrogen bromide gas in water.

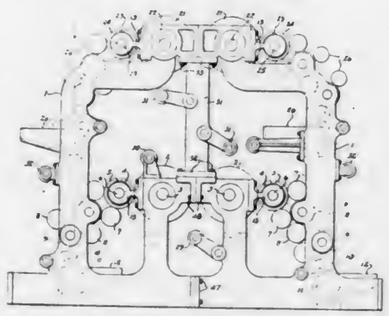
2,070,264
DISPENSING DEVICE
Ward J. Farnsworth and Jerry B. Bohland, San Jose, Calif.
Application June 17, 1935, Serial No. 27,040
1 Claim. (Cl. 312—67)



A sliced bread dispensing device comprising, a horizontally disposed oblong housing having an

opening formed in the forward portion of its top, a vertically disposed housing for sliced bread disposed thereon to discharge through said opening, a horizontally disposed table mounted within the first housing below said opening and the top of the first housing to form a pocket therebetween, said first housing having a recess formed in one side thereof provided with a slot in the top thereof communicating with the table top, an ejector slide mounted on said table to slide in said pocket and having a depending operating arm mounted thereon and projecting through said slot, the front end of the first housing having an opening formed therein to align with the table top to permit the ejection of a slice of bread by said slide, and a flap swingably mounted on the first housing over said front opening and above the same and operable outwardly by a slice of bread ejected therefrom to direct the ejected slice downwardly.

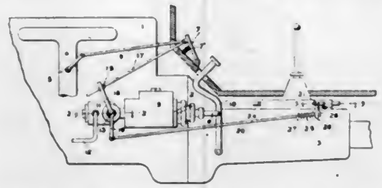
2,070,265
ROTARY PRINTING PRESS
Frank A. Foster, Maywood, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application June 28, 1934, Serial No. 732,793
14 Claims. (Cl. 101—220)



1. In a printing press, an integral press unit comprising a primary unit frame mounted on the press bed, printing mechanism mounted in said unit frame and consisting of two printing couples, one above another, the impression cylinders of the printing couples being on the outside and with their peripheries close to the end of the unit frame, the upper couple occupying the uppermost part of said unit, inking mechanisms mounted in said frame unit on the same side of their respective printing couples, two of said primary frame units being securable directly to each other, face to face, with their printing couples within and closely adjacent to each other, to constitute a composite unit with perfecting units available either vertically or horizontally.

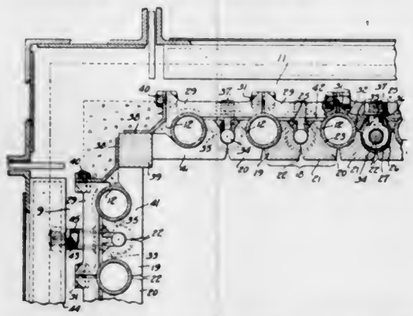
2,070,266
BRAKE CONTROL MECHANISM
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application November 9, 1932, Serial No. 641,832
19 Claims. (Cl. 192—.01)

1. The combination with the accelerator mechanism and the brake mechanism of a motor vehicle, of holding means for preventing release of the brakes from applied position, means for biasing said holding means to a holding position, and means connected to the accelerator mechanism for directly moving said holding



means to an inoperative position when the accelerator mechanism is operated.

2,070,267
FURNACE WALL CONSTRUCTION
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application April 24, 1931, Serial No. 532,423
16 Claims. (Cl. 122—6)

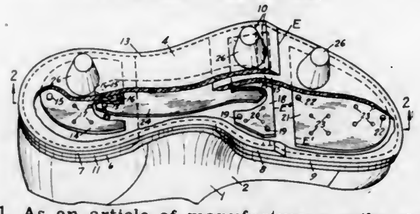


1. A furnace comprising two vertical walls meeting to form a right angle, a pair of upright members adjacent to the apex of said angle, a plurality of vertically extending spaced parallel tubes comprising said walls, rigid structures having curved tube recesses, means securing said rigid structures to each of said upright members, a plurality of block units comprising two block members, said block members having curved tube recesses, tension means engaging said block members and said rigid structures, and refractory blocks located at the apex of said angle and abutting against said upright members, the block members contacting the tubes adjacent to the apex of said angle being extended to contact said refractory blocks and retain them against said upright members.

2,070,268
DIELECTRIC MEDIUM
Hugh Bryson Glass, Anniston, Ala., assignor to Swann Research, Incorporated, a corporation of Alabama
No Drawing. Application July 10, 1931, Serial No. 550,047
2 Claims. (Cl. 252—1)

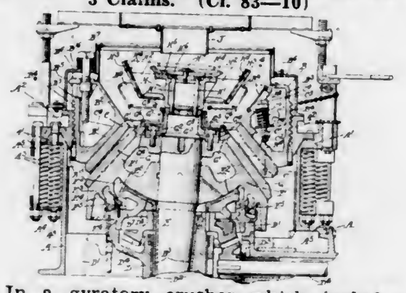
1. A dielectric medium comprising a chlorinated mixture of diphenyl and complex hydrocarbons having a higher boiling point than diphenyl and produced in the pyrolysis of benzol, said mixture having a chlorine content up to 52.2% and the proportion of complex hydrocarbons therein to diphenyl varying from 20% to 100%.

2,070,269
SHOE
Michael Goldenberg, Philadelphia, Pa.
Application May 1, 1933, Serial No. 668,828
5 Claims. (Cl. 36—2.5)



1. As an article of manufacture a spike shoe having front and rear sole spike cushioning plates and a shank member positioned in the sole member thereof, the said cushioning plates being spaced apart and so positioned as to bound and include between them but not to overlie an area of the said sole within which is included the bend line of said sole, and said shank member extending from a point overlying said rear sole cushioning plate to a point at the heel of said shoe.

2,070,270
CRUSHING MACHINE
Oscar C. Gruender, Milwaukee, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 12, 1932, Serial No. 646,825
3 Claims. (Cl. 83—10)



1. In a gyratory crusher which includes a crushing head and means for imparting a gyratory movement thereto and a crushing bowl surrounding said head, a removable mantle upon said head, said mantle being adapted for rotation upon said head in response to crushing contact, and means for maintaining said mantle tight upon said head in response to the normal crushing movement of said head, said means including a nut in frictional engagement with an upper portion of said mantle, said nut being screw-threaded in relation to an upper portion of the head, such upper portion of the head being bodily removable, with the nut, from the head.

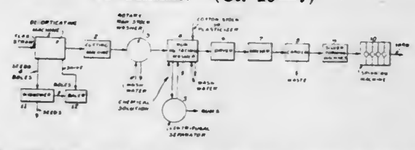
2,070,271
ELECTRICAL CONTACT
Childress B. Gwyn, Jr., Indianapolis, Ind., assignor, by mesne assignments, to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application January 31, 1935, Serial No. 4,305
6 Claims. (Cl. 200—166)

1. An electrical contact element composed of one of the metals palladium and platinum—60% to 85%; one of the metals silver and copper—10% to 35%; and one of the metals nickel, cobalt and iron—0.5% to 5%.

2,070,272
ENAMELED PRODUCT AND METHOD OF MAKING THE SAME
Oscar E. Harder and John D. Sullivan, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application August 8, 1934, Serial No. 739,004
6 Claims. (Cl. 91—73)

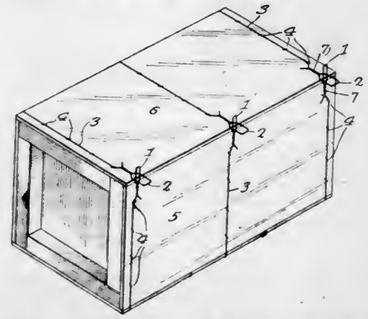
1. The method of producing a vitreous enameled product which comprises applying vitreous enamel on a precipitation-hardening alloy, heating such enamel to effect fusion thereof, and then subjecting said enameled article to a temperature within the precipitation-hardening range for a period of time adequate to effect hardening of the alloy by precipitation.

2,070,273
PROCESS OF TREATING VEGETABLE FIBERS
Theodore P. Haughey, Onancock, Va., assignor to Harold H. Brown, New York, N. Y.
Original application April 22, 1931, Serial No. 531,967. Divided and this application January 5, 1935, Serial No. 568
4 Claims. (Cl. 19—7)



1. The process of treating cut, green vegetable fibers which includes violently agitating the fibers in cold water to remove the foreign matter therefrom and to taper the ends of the cut fibers and thereafter treating the fibers under atmospheric pressure with a weak chemical solution to remove the gums therefrom.

2,070,274
SHIPPING CONTAINER COVER FASTENER
Leslie M. Hile, Benton Harbor, Mich.
Application March 29, 1934, Serial No. 717,891
12 Claims. (Cl. 217—12)



1. In a container, a wire fastener for the cover thereof, comprising loops formed on the opposite ends of a binding wire for a box or crate, one loop being adapted to be inserted through the other and bent back upon itself to form a hook in which the other is held, each loop having a substantial twist to maintain the loop formation thereof, with each twist forming a part of the encircling continuity of said wire, when the loops are engaged with each other to close the container, and each loop having the end of the wire inserted in

an adjacent wall of the container to protect the hands and clothing against injury, and the entire wire necessarily being exposed on the exterior of the container, excepting each inwardly inserted end thereof.

2,070,275

COLORED SALTS OF ORGANIC AMMONIA DERIVATIVES AND ACID DERIVATIVES OF NITRATED ANILINES

Karl Holzach and Fritz Lange, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 9, 1931, Serial No. 574,036. In Germany November 12, 1930

6 Claims. (Cl. 260—129)

1. Neutral salts suitable for the production of colored compositions, said salts being formed by reacting a component selected from the group consisting of the primary, secondary and tertiary organic ammonia derivatives with an aniline which may be substituted on the nitrogen atom by a benzene radical and may contain a nuclear substituent selected from the group consisting of halogen, alkyl, and hydroxy groups, said aniline containing in the molecule a nitro group and a sulphonic acid group.

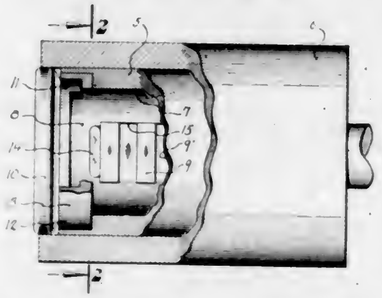
2,070,276

LOCK

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application August 9, 1935, Serial No. 35,489

2 Claims. (Cl. 70—46)



1. In a lock, a bored casing having a tumbler receiving groove communicating with its bore, a lock cylinder in the bore, the cylinder having an enlarged head on its front end, tumblers mounted transversely in the cylinder with their ends projectible into the groove, and means to protect the tumblers against destruction by drilling from the front of the lock comprising a hardened metal ring inserted in the front of the casing to close the front end of the groove, said ring having an external diameter less than that of the cylinder head so as to be concealed thereby and having an internal diameter equal to that of the bore to form substantially a continuation of the bore, and a hardened metal plate completely embedded in the cylinder and extending diametrically through the cylinder directly ahead of the tumblers with its ends flush with the cylindrical surface of the cylinder and engaging the rear portion of the inner wall of the hardened metal ring.

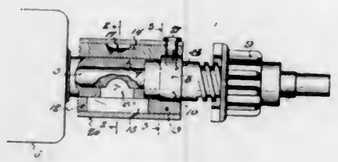
2,070,277

CUSHION DRIVE STARTER ATTACHMENT

Alex Johnson, Milwaukee, Wis., assignor of one-half to William H. Schmidt, Wauwatosa, Wis.

Application September 7, 1935, Serial No. 39,555

5 Claims. (Cl. 74—7)



1. In an engine starting device, a starting shaft, a screw shaft having a pinion thereon, a coupling member on the starting shaft connected with the screw shaft including a pair of spaced rings disposed adjacent to the opposite ends of the starting shaft and a connecting key rib extending longitudinally of the starting shaft and free therefrom, a radial member carried by the starting shaft, and cushioning means between the coupling member and the radial member.

2,070,278

PRINTING INK

Eugene J. Kelly, Kalamazoo, Mich.

No Drawing. Application May 20, 1935, Serial No. 22,437

10 Claims. (Cl. 134—36)

7. A printing ink which is quick drying at a temperature range from 150° F. to 325° F., consisting of coloring matter, 3% to 18% by weight of a cellulose ester of the group consisting of nitrocellulose and cellulose acetate ranging in viscosity from one-fourth second to forty seconds, 1% to 50% of a resin from the group consisting of oleo resin esters and alkyd resins, and 40% to 90% of a glycol derivative from the group consisting of the esters and ethers of ethylene glycol and diethylene glycol.

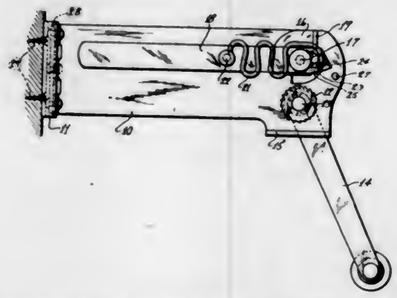
2,070,279

CAN OPENER

Thomas A. Killman, Nashville, Tenn., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo., a corporation of Missouri

Application June 6, 1935, Serial No. 25,226

11 Claims. (Cl. 30—3)



1. A can opener comprising a substantially flat frame member, a blade disposed for operation in a vertical position in a plane spaced from and parallel to the frame member, a feed wheel journalled on the frame member below the blade and disposed between the blade and frame member, a slot in said blade, means projecting through and movable in said slot toward and from said feed wheel, said means including a can-engaging portion overlying the feed wheel, and a spring adapted to urge said portion toward the feed wheel.

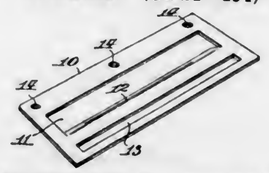
2,070,280

FURNITURE WEB SUSPENSION PLATE

Otto L. Kramer, Los Angeles, Calif.

Application September 24, 1935, Serial No. 41,892

17 Claims. (Cl. 24—194)



1. In a furniture web suspension, a pair of cooperating web receiving plates, one of which is provided with slots for the reception of the doubled end of the web, a flange depending from the slotted plate along one edge of one of the slots therein and a flange depending from one edge of the other plate, which flange occupies a position adjacent and parallel with the flange on the other plate when the two plates are assembled.

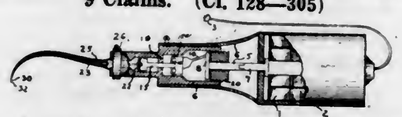
2,070,281

SURGICAL KNIFE

Vincent Leggiadro, Port Chester, N. Y.

Application July 12, 1935, Serial No. 30,954

9 Claims. (Cl. 128—305)



1. A surgical knife which comprises a mover capable of producing a reciprocating motion, a housing therefor, a thin flexible rod connected to and actuated by said mover, a narrow sleeve mounted at one end to said housing and having a recess therein for said flexible rod, and a small knife blade pivoted to the free end of said sleeve and actuated by said flexible rod to reciprocate the cutting edge of said knife blade in a direction substantially transverse to the longitudinal direction of said finger.

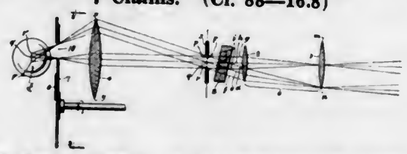
2,070,282

OPTICAL PROJECTION SYSTEM

Jacob F. Leventhal, New York, N. Y., assignor to Leventhal Patents, Inc., New York, N. Y., a corporation of Delaware

Application April 25, 1935, Serial No. 18,110

7 Claims. (Cl. 88—16.8)



2. An optical projection system comprising a projection aperture, an objective composed of a rear and front lens spaced apart, a light source, a condenser lens for directing light from said source through said projection aperture to said objective, a diaphragm between said light source and said condenser lens, said condenser and rear lens being so positioned and having such focal length as to image the diaphragm in the plane of said front lens, means for feeding film across said projection aperture at uniform linear speed, a plane-parallel rotatable optical compensator between said projection aperture and said objective, means for rotating said compensator in timed relation with the film to produce a stationary virtual image of a film picture, and means for varying the diaphragm aperture in synchronism with the rotation of said compensator for intercepting, in the direction of compensation, the image-forming rays of the picture pencils making more than a predetermined angle of incidence with the compensator face and passing rays of the picture pencils making less than said predetermined angle of incidence.

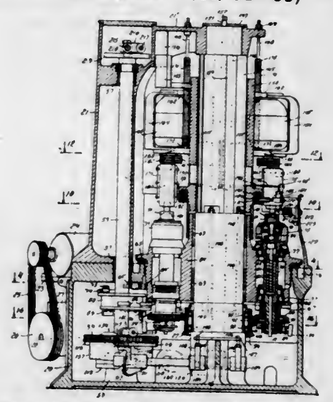
2,070,283

AUTOMATIC GRINDING MACHINE

Arthur J. Lewis, Stratford, Conn., assignor to The Baird Machine Company, Bridgeport, Conn., a corporation of Connecticut

Application December 6, 1932, Serial No. 645,913

42 Claims. (Cl. 51—53)



1. In a machine of the class described, the combination of a work holding member having a plurality of work holders arranged in circular series, a tool holding member having a plurality of tool holders arranged in circular series, means for moving the members relatively axially to place the tools and the work into position for cooperative relation, and means for simultaneously moving the tool holders laterally with respect to said tool holding member and independently of the movement of the members to engage the tools with the work.

2,070,284

TREATING DISTILLERY SLOP AND FEED SUBSTANCE PRODUCED THEREBY

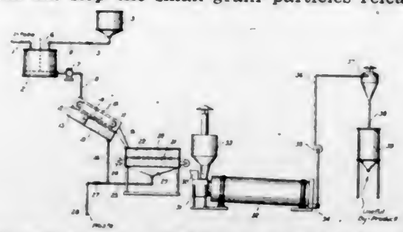
Adolph W. Lissauer and James R. Coffey, Louisville, Ky., assignors, by mesne assignments, to Louisville Drying Machinery Company, Incorporated, Louisville, Ky., a corporation of Kentucky

Application October 10, 1934, Serial No. 747,712

3 Claims. (Cl. 99—5)

1. The method of treating thick distillery slop to produce an unadulterated feed substance therefrom containing the valuable small grain elements normally held in colloidal suspension in the slop comprising, adding chlorine to the

thick slop as a coagulating agent, agitating the chlorinated slop to effect a thorough mixing and to coagulate the soluble proteids therein in order to break up the colloidal suspensions, filtering from the slop the small grain particles released

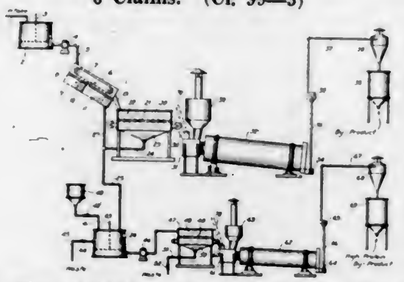


from the broken colloidal suspensions together with the heavy precipitate of the thick slop, drying the filtered solids in the presence of air and removing therefrom by means of the air all traces of the coagulating agent.

2,070,285
FEED SUBSTANCES DERIVED FROM DISTILLERY SLOP AND METHOD OF PRODUCING SAME

Adolph W. Lissauer and James R. Coffey, Louisville, Ky., assignors, by mesne assignments, to Louisville Drying Machinery Company, Incorporated, Louisville, Ky., a corporation of Kentucky

Application October 16, 1934, Serial No. 748,505
6 Claims. (Cl. 99—5)



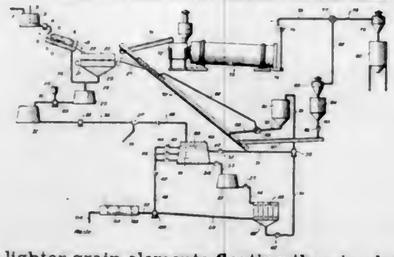
1. The method of producing a high protein-content feed substance consisting of the small grain elements normally held in colloidal suspension in distillery slop comprising, separating from the slop the heavy, large suspended solids of low protein-content, adding a chlorinating agent to the resulting thin slop to coagulate the soluble proteids therein and to release the small suspended grain elements of high protein-content from the colloidal suspensions, separating from the thin slop the grain elements released from the broken suspensions and forming therefrom a separate feed substance of high protein-content.

2,070,286
METHOD OF TREATING DISTILLERY SLOP

Adolph W. Lissauer and James R. Coffey, Louisville, Ky., assignors, by mesne assignments, to Louisville Drying Machinery Company, Incorporated, Louisville, Ky., a corporation of Kentucky

Application August 3, 1935, Serial No. 34,549
15 Claims. (Cl. 99—5)

1. The improvement in the art of treating distillery slop comprising, separating the large suspended solids from the thick slop, mixing an alkaline agent with the resulting thin slop and raising the pH value of the thin slop to approximately its isoelectric point, mixing a hypochlorous precipitation agent with the treated thin slop and changing the phase of the colloidal suspensions therein to free the smaller suspended grain elements, removing from the surface of the thin slop

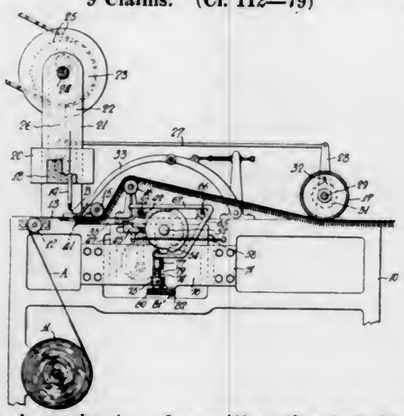


the lighter grain elements floating therein, draining off as waste the liquid from the thin slop, removing the heavy precipitate from the thin slop and drying the separated solids, light grain elements and heavy precipitate to form a feed substance.

2,070,287
TUFTING MACHINE

Walter Loos, New York, N. Y., assignor to Oliver C. Collins, New York, N. Y.

Application October 2, 1935, Serial No. 43,149
9 Claims. (Cl. 112—79)



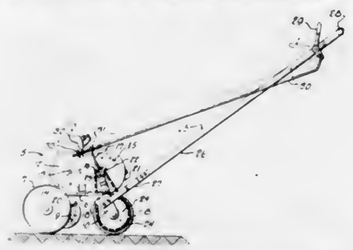
1. A mechanism for cutting the tuft loops stitched upon a foundation fabric, including a reciprocatory carriage, a pair of blades pivoted face to face and provided with opposite cutting edges on one side of their pivotal connection and shanks respectively on the other side of said connection, one of said shanks being connected to said carriage, a rod connected to the other shank and extending substantially at right angles to the length of said shank, and a rotary member connected to said rod for reciprocating the latter and swinging said last mentioned shank about its pivotal connection while said carriage is being reciprocated.

2,070,288
HAND OPERATED POWER DRIVEN LAWN MOWER

Perry E. Mack, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application February 10, 1934, Serial No. 710,663
4 Claims. (Cl. 180—19)

1. In a power driven implement of the character described including a drive motor and a ground engaging traction member, a releasable driving connection capable of being gradually rendered operative to drivingly connect the motor and the traction member, said driving connection including a pivoted member to be swung to a predetermined position to render the driving connection operative, a handle for the implement, a lever pivoted on the handle, a link attached to the lever at one end, a spring connecting the other

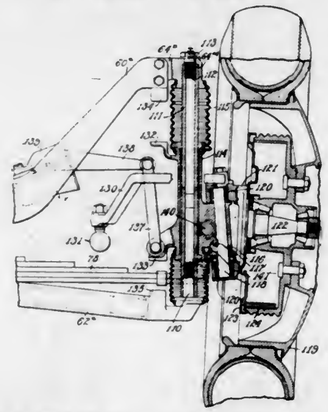


end of the link with said pivoted member, whereby actuation of the lever applies the force of the spring to the pivoted member and therethrough to the driving connection to render the same operative, and said link being so connected to the lever with respect to the pivotal mounting of the lever that its point of connection to the lever passes beyond dead center and releasably holds the pivoted member in its operative position.

2,070,289
MOTOR VEHICLE

Howard C. Marmon and George H. Freers, Indianapolis, Ind.; said Freers assignor to said Marmon

Original application January 31, 1933, Serial No. 654,368. Divided and this application November 20, 1933, Serial No. 698,754
12 Claims. (Cl. 280—96.2)

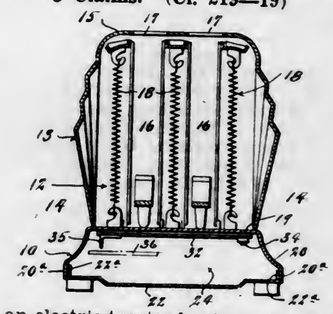


1. In a vehicle, the combination with a main frame, of a king-pin supported at its upper and lower ends from said frame in a plane parallel with the median vertical plane of the vehicle and with its axis inclined rearwardly slightly less than 90 degrees from the base-plane, a bearing sleeve axially slidable on said pin between its ends and forming a knuckle bearing having an axis inclined downwardly and laterally outwardly relative to the axis of the king-pin, a spring anchored on the main frame with its free end engaging said sleeve in the line of its sliding movement on the king-pin, and a wheel-spindle knuckle journaled on said sleeve about said inclined axis.

2,070,290
ELECTRIC COOKING APPLIANCE

Paul J. McCullough, St. Louis, Mo., assignor to Joseph Pavelka, St. Louis, Mo.

Application November 8, 1934, Serial No. 751,981
3 Claims. (Cl. 219—19)

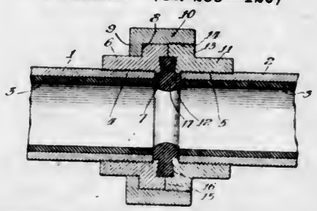


1. In an electric toaster having a toasting compartment, and a base therefor, the top wall of said base forming a bottom of said toasting compartment, the combination with a heating element in said toasting compartment, of an electric circuit for said element, a switch in said circuit, a timing mechanism, a handle associated with said timing mechanism, a link pivotally connected to said handle and having an operative connection with said switch, a coiled spring connected at one end to said handle for yieldably holding it in a switch opening position, said handle being manually operable to energize said timing mechanism and close said switch, a lever fulcrumed above said timing mechanism and having the end of its long arm bearing downwardly upon a part of said timing mechanism and holding the latter inoperative, a thermostatic bar disposed above said lever in juxtaposition with said top wall of said base and fixed at one end thereto and free at the other end, and a finger fixed to said free end and adapted to engage the short arm of said lever so as to depress said short arm and raise said long arm from engagement with said part of said timing mechanism and release the latter for operation when the temperature of said toaster reaches a predetermined degree.

2,070,291
RUBBER LINED PIPE COUPLING

Charles Patrick McHugh, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey

Application November 26, 1934, Serial No. 754,744
2 Claims. (Cl. 285—120)



2. A coupling for joining adjacent ends of pipes or fittings lined with a corrosive or abrasive resistant lining, comprising in combination, bushings mounted upon the end of each pipe, said bushings each having an internal flange adapted to abut against the outer circumferen-

tial portion of the end of its respective pipe, said bushings having cooperating abutments adapted when engaged to form an annular recess therebetween and for maintaining the ends of the pipes in predetermined spaced apart relation, an abrasive or corrosive resistant annular gasket confined in said recess and engaging the inner circumferential portions of the corresponding ends of said pipes and the adjacent ends of the lining of said pipes, and means for maintaining said bushings in abutting relation.

2,070,292

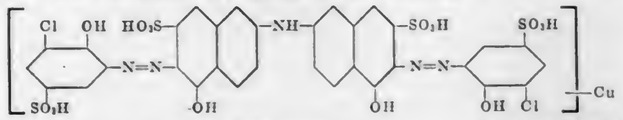
CUPRIFEROUS AZO DYESTUFFS AND THEIR PRODUCTION

Mordecai Mendoza, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 23, 1935, Serial No. 46,441. In Great Britain October 29, 1934

4 Claims. (Cl. 260—12)

1. The compound represented by the formula:



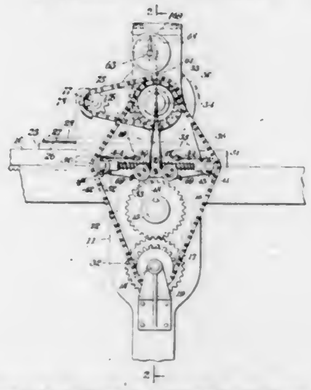
2,070,293

MATRIX MAKING MACHINE

John D. Morgan, Summit, N. J., and Hobart N. Durham, Munsey Park, N. Y., assignors to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application May 13, 1935, Serial No. 21,102

5 Claims. (Cl. 101—12)



1. A matrix rolling machine including in combination a form supporting bed, means for supporting and progressing the bed, a cylinder for pressing a flong against the surface of a form on the bed, means for driving said cylinder, and means governed by said driving means for indicating variations in pressure exerted on the flong as it moves beneath said cylinder.

2,070,294

TREATMENT OF HYDROCARBON OILS

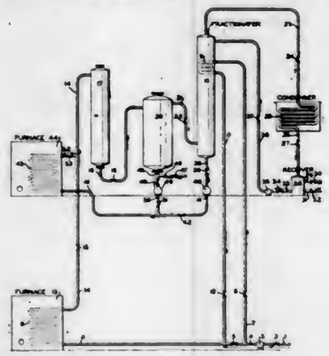
Jacque C. Morrell, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 28, 1931, Serial No. 565,453

Renewed November 2, 1934

1 Claim. (Cl. 196—59)

A process of hydrocarbon oil conversion which comprises, forcing a stream of a relatively light charging stock not heavier than kerosene distillate through a heating zone where it is raised



to cracking temperature, discharging said heated stream into an enlarged reaction zone, maintaining said heating zone and said enlarged reaction zone under super-atmospheric pressure, removing all of the products of reaction from said reaction zone, discharging same into a zone of reduced pressure where vapors separate from non-vaporous residue, subjecting the vapors to fractionation to condense the heavier fractions thereof as reflux condensate, removing the vapors remaining uncondensed after fractionation and condensing and collecting same as a distillate product of the process, combining regulated portions of reflux condensate with regulated portions of the residue and forcing a stream of said mixture through a second heating zone maintained under relatively milder conditions of temperature than said first mentioned heating zone, discharging the heated mixture from said second heating zone into the enlarged reaction zone where it commingles with the heated charging stock.

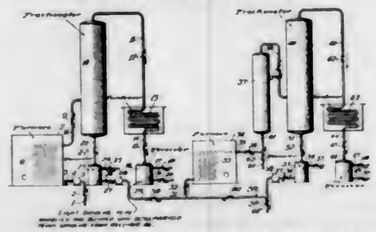
2,070,295

TREATMENT OF HYDROCARBON OILS

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 15, 1933, Serial No. 689,529

1 Claim. (Cl. 196—24)



A process for treating cracked gasoline which comprises separating the gasoline into a light cut requiring no substantial refining and a heavier cut containing an objectionable amount of sulphur, adding to the light cut an oxidation and polymerization inhibitor in sufficient amount to substantially prevent deterioration of the total gasoline, desulphurizing said heavier cut, in the absence of the light cut, by treatment thereof with hydrogen in the presence of a hydrogenating catalyst, and, upon completion of the desulphurizing operation, blending the desulphurized heavier cut with the light cut containing the inhibitor to produce a satisfactorily desulphurized and inhibited motor fuel product.

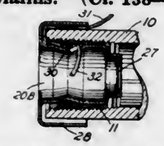
2,070,296

MEANS FOR ATTACHING MEMBERS TO THE INTERIOR OF HOLLOW ARTICLES

Alden E. Osborn, New York, N. Y., assignor to Simplex Improvements, Inc., New York, N. Y., a corporation of Delaware

Application August 23, 1934, Serial No. 741,061

8 Claims. (Cl. 138—96)



1. A rigid member closed at its inner end and open at its outer end adapted to be inserted in an open ended article, said member having an annular groove with a surface oblique to the adjacent inner surface of the article, said groove being constructed to form a space between the member and said adjacent surface of the article to which it is applied, a flexible element adapted to be wound into said space by relative rotation between the member and article whereby the member is advanced longitudinally into the article and affixed thereto, and a lateral opening through the member through which said flexible element is drawn into the space by such rotation.

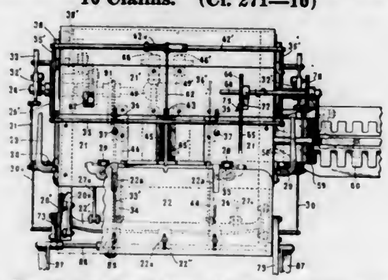
2,070,297

MACHINE FOR FOLDING CLOTH ARTICLES

John E. Preston, Newark, N. J.

Application March 13, 1933, Serial No. 660,484

10 Claims. (Cl. 271—10)



1. In a machine for folding cloth articles, means for penetratingly engaging the front edges of successive cloth articles in a stack and lifting the front edges of the successive articles, and means for gripping the front edges of the articles and turning them over and delivering them to the folding means.

2,070,298

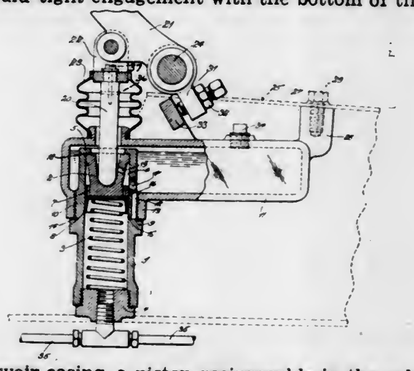
VERTICAL MASTER CYLINDER

Steve Schnell, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application March 18, 1935, Serial No. 11,549

7 Claims. (Cl. 60—54.6)

1. In a master cylinder device, a reservoir casing provided with a threaded opening in its bottom, a vertically positioned cylinder provided with an annular flange and a threaded portion intermediate its ends, the upper end of said cylinder extending into the reservoir casing and the threaded portion cooperating with the threaded reservoir opening to clamp the annular flange in fluid-tight engagement with the bottom of the



reservoir casing, a piston reciprocable in the cylinder, said cylinder being provided with an opening positioned below the bottom of the reservoir and ahead of the piston when the piston is in its retracted position, and means forming a groove in one of the cooperating threaded portions of the cylinder and reservoir casing for placing the bottom of the reservoir casing in communication with the cylinder opening.

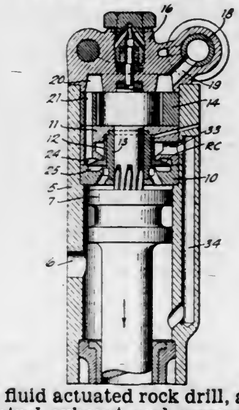
2,070,299

VALVE FOR PERCUSSIVE TOOLS

Alfred G. Slatcher, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application May 16, 1934, Serial No. 725,835

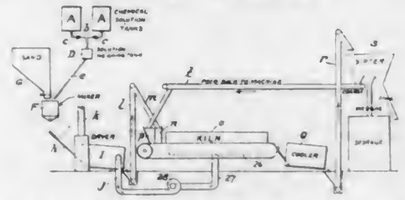
2 Claims. (Cl. 121—19)



1. In a fluid actuated rock drill, a cylinder having a central exhaust and pressure fluid supply passages leading to opposite ends of the cylinder respectively, a piston reciprocating in the cylinder, a valve chest at the rear end of the cylinder, said passages being connected to said valve chest, a bushing centrally mounted within said chest, a cylindrical valve sleeved over the bushing and adapted to reciprocate thereon, a pair of axially spaced annular seats on the chest, a flange on the valve disposed between said seats and alternately engageable therewith, said

chest providing a valve chamber in front of the flange and a valve chamber in back of the flange, said chambers communicating with each other through a restricted passageway around the outer edge of the flange, means for admitting live pressure fluid to the rear valve chamber thereby tending to hold the valve against its front seat, said valve chambers having communication over the seats with the respective passages in the cylinder, the front face of the valve having a balancing area which surrounds the front valve seat and which opposes the holding pressure on the rear face of the valve, and having a trip area which lies between the front seat and the bushing and which is exposed to compression by the piston at the rear end of the cylinder to overcome the holding pressure, said trip area being no greater than the unbalanced area exposed to live pressure fluid, whereby live pressure fluid may force the valve to its front seat prior to the time the piston uncovers the exhaust on its forward stroke.

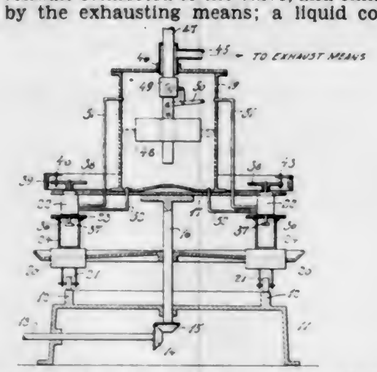
2,070,300
APPARATUS FOR PRODUCING SURFACING MATERIAL
Preston R. Smith, Rahway, N. J., assignor, by mesne assignments, to Central Commercial Company, a corporation of Illinois
Original application January 18, 1932, Serial No. 587,378. Divided and this application January 27, 1933, Serial No. 653,824
5 Claims. (Cl. 91—55)



1. Apparatus for producing granular surfacing material including, in combination, means for coating a granular base material with a glaze, means for drying the coated base material, a kiln, conveyor elements for the support of a mass of coated base material, means for feeding a refractory bed material to said conveyor elements, means for feeding coated base material from said drier on to the bed material on said conveyor elements, means for advancing said conveyor elements through said kiln, means for discharging the bed material and coated base material from said conveyor elements, means for separating the bed material and means for refeeding separated bed material to conveyor elements.

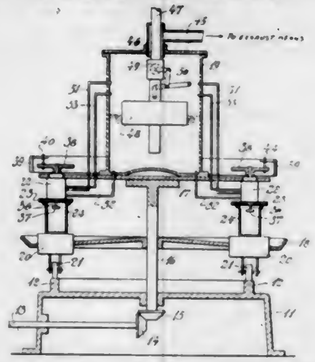
2,070,301
VACUUM FILLING MACHINE
Channing W. Souther, Santa Ana, Calif., assignor to Natural Food Products Company, Orange, Calif., a corporation of Delaware
Application September 16, 1935, Serial No. 40,755
10 Claims. (Cl. 226—116)

7. In a machine for filling liquid into containers, the combination of: a reservoir for holding liquid under a partial vacuum; means for admitting liquid to the reservoir; exhausting means; means, at a level below the level of the liquid in the reservoir, for sealing a container against the atmosphere; a valve, having three selective positions, namely, (1) open to the air conduit hereinafter described and closed to the liquid conduit hereinafter described and to the vacuum conduit hereinafter described, (2) open to the vacuum conduit and closed to the air and liquid conduits, and (3) open to the liquid conduit and closed to the air and vacuum conduits; a conduit connecting the valve to the air; a vacuum conduit connected to the valve, and exhaustible by the exhausting means; a liquid conduit



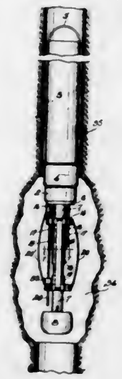
connecting the valve to the reservoir below the liquid-level therein; a conduit connecting the valve to the sealed container; and automatic means for successively, with respect to each container to be filled, sealing the container, setting the valve to its three positions, in the following order, namely: 1, 2, 3, 2, 3, 1, and then unsealing the container.

2,070,302
VACUUM FILLING MACHINE
Stedman B. Hoar, Newport Beach, Calif., assignor to Natural Food Products Company, Orange, Calif., a corporation of Delaware
Application September 21, 1935, Serial No. 41,538
20 Claims. (Cl. 226—116)



15. In a machine for filling liquid into containers, the combination of: a reservoir for holding liquid under a partial vacuum; means for admitting liquid to the reservoir; exhausting means; a vacuum circuit, exhaustible by the exhausting means; means for sealing a container against the atmosphere; valve means having three selective positions, namely, (1) open to the air conduit hereinafter described and closed to the liquid conduit hereinafter described and to the vacuum circuit, (2) open to the vacuum circuit and closed to the air and liquid conduits, and (3) open to the liquid conduit and to the vacuum circuit and closed to the air conduit; a conduit connecting the valve means to the air; a liquid conduit connecting the valve means to the reservoir below the liquid-level therein; a conduit connecting the valve means to the sealed container; and automatic means for successively, with respect to each container to be filled, sealing the container, setting the valve means to these three positions in the following order, namely: 1, 2, 3, 1, and then unsealing the container.

2,070,303
APPARATUS FOR CEMENTING WELLS
Harold E. Hough, Fairmont, W. Va.
Application April 15, 1936, Serial No. 74,488
10 Claims. (Cl. 166—19)



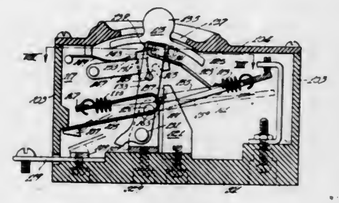
1. In a device of the character described, a reservoir for a quantity of cementitious material, a nozzle leading from said reservoir, a discharge port in said nozzle, a sleeve slidable on said nozzle and having a port, and spring means connecting said nozzle and said sleeve for normally maintaining said ports in registering and discharging alignment.

2,070,304
MOTOR FUEL
Alphons O. Jaeger, Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application July 21, 1931, Serial No. 552,193
9 Claims. (Cl. 44—9)

1. A cracked motor fuel containing a material selected from a class consisting of benzamide and phthalamide, the proportions of the amides being sufficient to inhibit gum formation and being approximately within the limits of 2–5 pounds per 100 barrels of motor fuel.

2,070,305
CIRCUIT INTERRUPTER
Oliver S. Jennings, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 3, 1934, Serial No. 705,071
Renewed July 11, 1936
31 Claims. (Cl. 200—116)

11. In a circuit interrupter, contact means movable to an open-circuit and to a closed-circuit position, and actuating means for said contact means, said actuating means including a handle means movable to cause said contact means to move from one position to the other, electro-responsive means operable upon the occurrence of predetermined conditions to cause said interrupter to move from one position to the other, irrespective of the position of said handle means, means,



operable when said handle means is held in a predetermined position, to cause said interrupter to return automatically to said first position, following the operation of said electro-responsive means, and releasable means for holding said handle means in said predetermined position.

2,070,306
WELDED FABRICATED STRUCTURAL MEMBER
Karl Otto Keller, Sunderland, England, assignor to William Doxford & Sons, Limited, Sunderland, England, a British company
Application November 16, 1933, Serial No. 698,272
In Great Britain January 17, 1933
2 Claims. (Cl. 189—36)

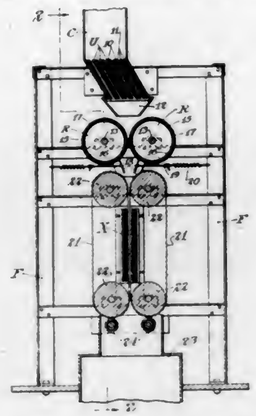


2. A built up metallic element having an end plate welded to the end of a longitudinal member over an inaccessible space between faces of the longitudinal member, said element having a welded seam, in substantially the same plane, extending through the plate and into the end of the longitudinal member, a weld extending along the edge of the end of the longitudinal member and the face of the plate in said space, and a weld extending along the edge of the end of the longitudinal member and the face of the plate opposite the weld in said space.

2,070,307
METHOD AND APPARATUS FOR TREATING MATERIAL WITH OZONE AND ULTRA VIOLET RAYS
Henry J. Nicholls, Minneapolis, Minn., assignor to Sunlite Company, Incorporated, a corporation of Minnesota
Application December 21, 1931, Serial No. 582,279
6 Claims. (Cl. 204—31)

1. In apparatus of the class described, a pair of condenser units each having a unitary grid element of substantial area and a dielectric member covering said element, said units being spaced apart with said dielectric members opposed and

disposed at an angle to the horizontal whereby gravity will cause material to travel there-



between and means for introducing material between said units and at the upper ends thereof.

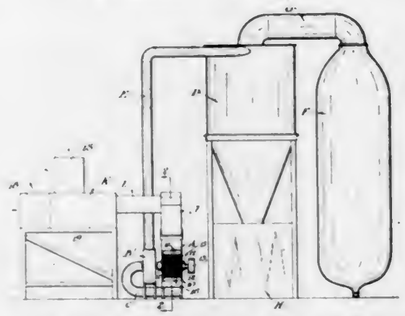
2,070,308

METHOD OF MAKING SOAP PARTICLES

Henry J. Nicholls, Minneapolis, Minn., assignor to Sunlite Company, Incorporated, a corporation of Minnesota

Application January 18, 1933, Serial No. 652,331

3 Claims. (Cl. 87—16)



1. The method of treating solid soap, consisting of mechanically subdividing pieces of soap into smaller pieces and simultaneously keeping said sub-divided material surrounded by an atmosphere permeated with ozone whereby new surfaces of said material created by said subdivision are in intimate contact with said atmosphere at the instant said new surfaces are created so as to absorb ozone.

2,070,309

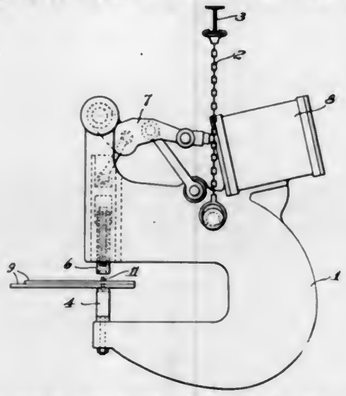
RIVETING APPARATUS

Raymond S. Osborne, Sewickley, Pa.

Application August 12, 1935, Serial No. 35,754

3 Claims. (Cl. 78—48)

1. In compression riveting apparatus, a driving die for upsetting one end of a cold rivet shank to form a head thereon against one surface of a rivet-receiving work piece, said die being provided with a head-forming cup having a side wall for limiting movement of the end wall of the cup toward said surface of the work piece and having a cubical capacity materially greater than the size of the head formed on the rivet by the



die, whereby the sides of the head are unconfined by the die.

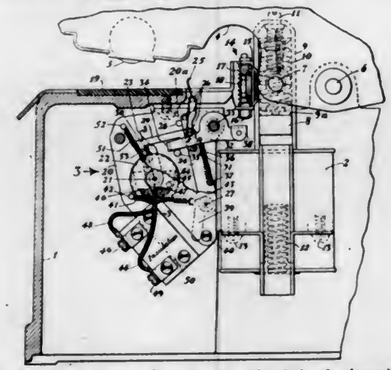
2,070,310

RECORDING MECHANISM

Ernest S. Ostler, Park Ridge, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware

Application March 18, 1935, Serial No. 11,692

15 Claims. (Cl. 101—297)



1. In a printing device, an electrical circuit including means for effecting a printing operation, a single pair of contacts in said circuit continually biased to open-circuit position, means for closing said contacts to effect a printing operation responsive to the insertion of a sheet into printing position in said device, said means including a sheet-controlled member engaged by the edge of the sheet and operated thereby, and means effective during the printing operation for allowing said contacts to reassume open-circuit position irrespective of the position of said sheet-controlled member.

2,070,311

FRUIT CORING MACHINE

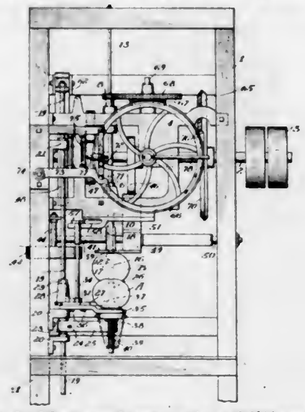
John W. Pease, Rochester, N. Y.

Application December 19, 1930, Serial No. 503,496

6 Claims. (Cl. 146—52)

3. In a fruit celling machine, the combination with a fruit holder adapted to support a cored fruit, and a celling knife support adapted to occupy the core hole of the fruit while on the

holder and embodying a blade, both the latter and its support having fixed lateral projection, of means for rotating one of said elements relatively to the other, means for presenting a cored apple concomitantly to the celling knife support



and fruit holder, and separate additional means for effecting a relative axial movement of the fruit and the blade during the said period of relative rotation while the blade is cutting the cell.

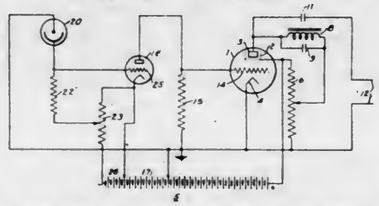
2,070,312

FACSIMILE TRANSMISSION SYSTEM

La Verne R. Philpott, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 21, 1933, Serial No. 676,833

7 Claims. (Cl. 179—171)



6. In combination an oscillator of the dynatron type including a tunable tank circuit having a high

$$\frac{L}{C}$$

ratio, and means for controlling the primary emission in said oscillator whereby the frequency of said oscillator may be controlled.

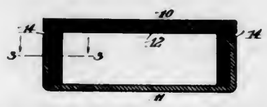
2,070,313

CLEANING DEVICE

Arthur O. Pieper, Brighton, N. Y.

Application August 6, 1934, Serial No. 738,641

2 Claims. (Cl. 15—122)



1. A cleaning device of the class described, comprising a hollow section formed of sponge rubber and including a bottom wall having upstanding side walls, said bottom wall having a flange extending laterally from the side walls, the bottom wall and flange constituting a cleaning base for engaging the parts to be cleaned, said side walls having exteriorly formed grooves therein, and a cover section for said hollow section formed of substantially rigid material impervious to liquid, said cover section including side walls surrounding the side walls of the hollow section, the peripheral edge portion of the cover section engaging the flange of the hollow section and serving to urge said flange in engagement with the surface to be cleaned when pressure is applied to the cover section in the direction of said flange, said cover section having bead-like portions on its side walls extending within the grooves of the side walls of the hollow section by which the cover section is retained on the hollow section.

2,070,314

INNERSOLE

Jesse V. Poole, Abington, Mass., assignor to Puritan Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application August 10, 1934, Serial No. 739,246

7 Claims. (Cl. 36—22)



1. An innersole consisting of a body and a rib formed from an originally separate strip, the body and rib being of fibrous material containing rubber in its composition, and being bonded together by rubber in substantially integral union with the rubber content of the fibrous material.

5. The manufacture consisting of a strip of fibrous material containing rubber among and around its fibers, adapted to provide the stitch-receiving rib of an innersole and having a skived zone extending lengthwise of the strip and from one edge thereof through a part only of the width of the strip, and being creased longitudinally in the surface opposite to the skived side and in a location substantially registering with the inner limit of the skived zone.

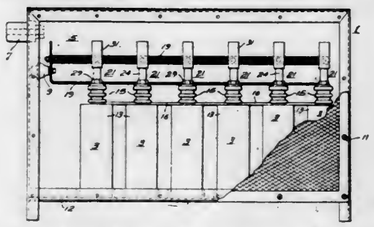
2,070,315

CIRCUIT INTERRUPTER

Herbert L. Rawlins, Wilkinsburg, and William H. Cuttino, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 18, 1934, Serial No. 748,802

11 Claims. (Cl. 175—298)



11. In combination, a plurality of insulator columns, a terminal member rigidly mounted on each of said columns, and means for electrically connecting said terminal members including a

plurality of expulsion fuses and continuous strap members of conducting material associated therewith, means carried by each of said fuse devices for supporting at least one of said strap members associated therewith in a current-carrying position for providing a continuous conducting path between the fuse devices connected by the strap member, each of said fuse devices being entirely supported upon one of said terminal members and being so positioned with respect to the associated insulator and said strap member that the continuous conducting path provided between said fuse devices by said continuous strap member is unaffected by the reaction forces exerted by the opening of any one of said fuse devices.

2,070,316

PORTABLE FLASHLIGHT

Adolph C. Recker, Watertown, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation

Application October 11, 1934, Serial No. 747,840

1 Claim. (Cl. 240—10.68)



A flashlight comprising a tubular body-member having one end threaded; an electric bulb at the end of the said body-member opposite its threaded end; a cap secured to the end of the said body-member opposite the said bulb and comprising a cylindrical portion at its outer end and an expanded threaded skirt at its inner end engaged with the threaded end of the said body-member; a ring-like spring-seat of insulating material located at the junction-point of the cylindrical outer end of the said cap and its expanded threaded skirt; a contact-plunger projecting through the outer end of the said cap and having a guide-skirt bearing therein; and a retracting-spring fitting within the said guide-skirt and acting to outwardly press the said contact-plunger and its said guide-skirt.

2,070,317

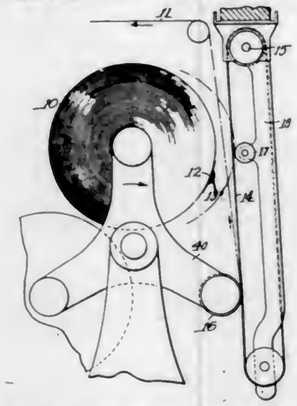
METHOD OF AND APPARATUS FOR SPLICING WEBS

Oscar Charles Roesen, Eastchester, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application March 2, 1932, Serial No. 596,236

7 Claims. (Cl. 242—58)

1. The method of splicing a running web to a rotating web roll, which consists in providing the web roll with adhesive having a temporary covering over it and, at a time just before the splice is to be made, displacing said covering to enable the adhesive to spread on the surface of



the roll to unite the surface of the web roll to the running web.

2,070,318

MANUFACTURE OF ALCOHOLS

Reginald John Rosser and Herbert Swann, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 23, 1935, Serial No. 41,808. In Great Britain September 28, 1934

4 Claims. (Cl. 260—156)

1. A process for the production of a high molecular weight aliphatic alcohol by reduction of an ester of a high molecular weight aliphatic organic acid comprising reacting said ester with alkali metal and a hydrolytic alcohol, said hydrolytic alcohol being identical with the alcohol produced by the said reduction of said ester and corresponding to the acid constituent of said ester.

2,070,319

APPARATUS FOR INFLUENCING THE CHARACTER OF ELECTRON RAYS

Reinhold Rüdenberg, Berlin-Grunewald, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application June 3, 1932, Serial No. 615,260

In Germany May 30, 1931

7 Claims. (Cl. 250—27.5)



1. A tube containing a source for producing a beam of electrically charged rays of a given diameter and normally extending substantially in line with a given tube axis, an apertured diaphragm in said tube having its aperture disposed symmetrically to said tube axis, said aperture being substantially larger than the beam diameter to permit the passage of the entire beam, said diaphragm adapted to be electrically charged at a suitable negative potential with respect to said beam source and being spaced therefrom for converging some of the beam rays with respect to others, and a second apertured diaphragm, spaced entirely independent from the first diaphragm in the direction of the beam travel, and having its aperture also disposed symmetrically to the

tube axis, said second diaphragm aperture being of smaller diameter than the first diaphragm aperture to permit the passage only of those beam rays deflected by the first diaphragm, which focus in the aperture of the second diaphragm, whereby only rays of similar speed are permitted to pass through the second diaphragm.

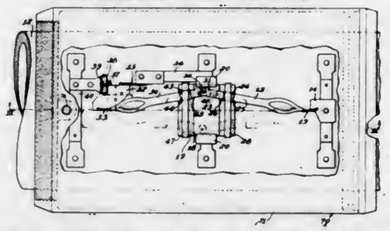
2,070,320

EXTENSOMETER

William D. Shields, Edgeworth, Pa., assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application September 12, 1935, Serial No. 40,306

3 Claims. (Cl. 234—1)



1. In combination, a test member, a tension-compression recording unit secured to the member and including an angularly movable finger and a record receiving element for recording the movement of the finger, a torsion recording unit secured to the member and including an angularly movable arm likewise engaging with the record receiving element, and means linking the arm and finger for coordinated movement.

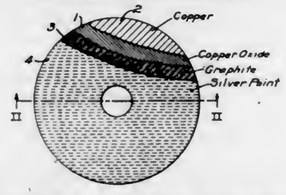
2,070,321

ELECTRICAL CONTACT FOR RECTIFIERS

Lumir F. Slezak, North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 30, 1934, Serial No. 718,279

2 Claims. (Cl. 175—366)



1. The method of making electrical contacts to a surface of copper oxide which comprises coating said surface with finely divided carbon, and coating said carbon surface with a paint comprising finely divided silver suspended in water.

2,070,322

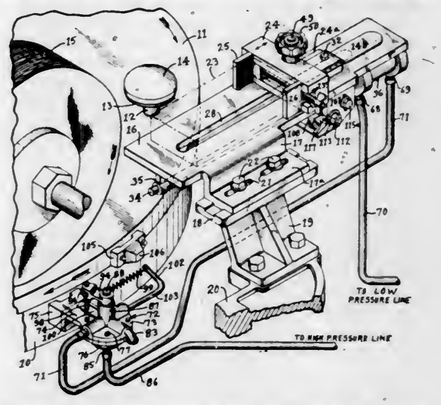
AUTOMATIC ROUGE FEED FOR BUFFING MACHINES

Roger S. Sperry, Waterbury, Conn., assignor to The Packer Machine Company, Meriden, Conn., a corporation of Connecticut

Application May 25, 1935, Serial No. 23,458

16 Claims. (Cl. 51—263)

1. In a mechanism for automatically feeding abrasive to a buffing wheel, a holder for a cake of abradant material, a plunger rod connected to said holder, a cylinder, said plunger rod carrying a piston operable in said cylinder, means for constantly supplying air at low pressure to said cylinder on the side of said piston adjacent said holder to normally keep said abradant cake away from said buffing wheel, means for supplying air



at a high pressure for a short period of time to said cylinder on the other side of said piston to overbalance the low pressure and cause said cake to move forward and strike said buffing wheel.

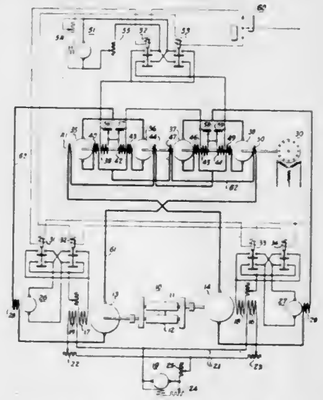
2,070,323

ELECTRICAL DRIVE SYSTEM

Harold E. Stokes, Murraysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

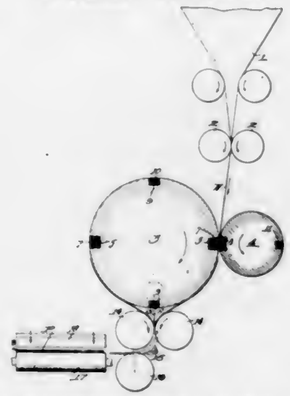
Application February 14, 1934, Serial No. 711,158

7 Claims. (Cl. 172—239)



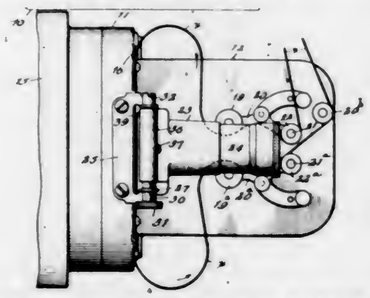
4. In combination, a plurality of direct current motors subjected to a common load, a plurality of direct current generators for supplying variable voltage power to the motors, said generators being provided with separately-excited main field windings and cumulative and differential regulating field windings, means for driving the generators in unison, a plurality of said generators being connected in parallel for supplying power to each motor, each generator being connected in series with its differential regulating field winding and the group of generators in series with the cumulative field windings of the generators of another group of generators connected to another motor.

2,070,324
METHOD OF AND MEANS FOR FOLDING PAPER PRODUCTS
Isidor Tornberg, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application July 22, 1932, Serial No. 623,920
5 Claims. (Cl. 270—65)



1. The method of folding papers which consists in slitting a web at a point at which the end of the last folded edge is to be located to weaken the folded product at that point and facilitate the production of the last fold.

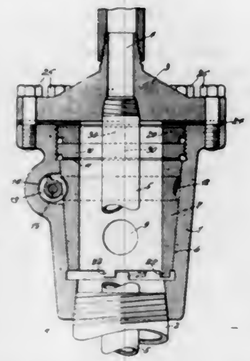
2,070,325
PROJECTOR FOR MOTION PICTURES
Alexander Ferdinand Victor, New York, N. Y.
Application January 3, 1936, Serial No. 57,351
13 Claims. (Cl. 88—24)



1. In a motion-picture projector a casing having a light aperture, vertically spaced bearings on said casing adjacent said aperture, a projection lens-tube extending forward from said aperture, a vertical pintle journaled in said bearings and connected to said tube, said pintle embodying a hinge portion and a rotatable threaded element for moving said hinge pin portion upon its axis to raise and lower the lens-tube, said pintle adapted for hinging movement whereby to swing said tube horizontally away from said aperture.

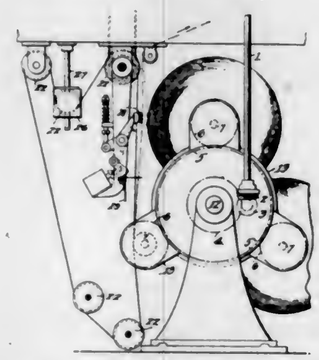
2,070,326
WELL FLOW HEAD
Karl W. Weidinger, St. Louis, Mo.
Application March 1, 1935, Serial No. 8,834
8 Claims. (Cl. 166—15)

1. A well flow head including a housing adapted to engage the walls of a casing and having a port, a cover plate for the housing with a port adapted to commmunicate with a well tube extending within the casing, a conical seat within the housing arranged concentric with the axis of the casing, a conical valve member fitted in said seat, surrounding the well tube and having a port adapted to register with the port in the housing,



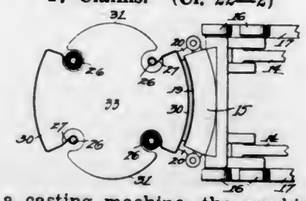
gear teeth on the periphery of the valve member, a pinion supported in a recess in the housing and engaging said gear teeth, a shaft for the pinion extending through the wall of the housing, and means on the outer end of the shaft by which it can be rotated and thereby rotate the pinion to turn the valve member and selectively cover and uncover the port in the housing.

2,070,327
PAPER ROLL BRAKING MECHANISM
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application June 8, 1931, Serial No. 542,865
Renewed July 6, 1936
3 Claims. (Cl. 242—75)



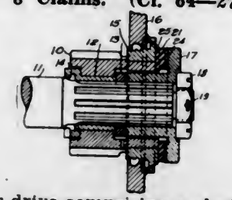
3. The combination with means for supporting a web roll in position to supply the web to a printing press, of means tending to rotate said roll by action through its central axis, when the web is being slowed down, at a speed slower than web speed, and means for operating the last named means in proportion to the speed of the press.

2,070,328
MULTIPLE STEREOTYPE CASTING MACHINE
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application May 26, 1932, Serial No. 613,668
Renewed December 30, 1935
17 Claims. (Cl. 22—2)



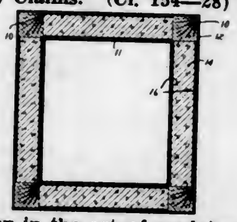
1. In a casting machine, the combination of a curved back movable laterally and a rotatable core having a plurality of casting surfaces thereon for alternate cooperation with the back, the radii of said surfaces being greater than half the width of the core at the same point.

2,070,329
FLEXIBLE GEAR DRIVE
Winston A. Brecht, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 29, 1934, Serial No. 746,187
8 Claims. (Cl. 64—27)



1. A gear drive comprising a shaft, a gear element rotatably mounted on the shaft, a collar secured to the shaft, a portion of said gear element overlapping a portion of said collar, and a resilient shearable ring for resiliently connecting the overlapping end of the gear element to the collar to drive the shaft without slippage unless the ring is sheared.

2,070,330
REFRIGERATING APPARATUS
Frederic L. Chase, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application August 31, 1931, Serial No. 560,337
6 Claims. (Cl. 154—28)

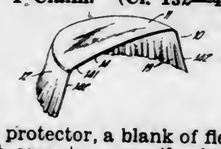


1. That step in the art of applying asphalt to insulating material which comprises maintaining asphalt and applying the asphalt to the insulating material at a temperature giving only sufficient penetration to cause adhesion of the asphalt to the insulating material while providing a smooth glossy layer of asphalt thereon to protect the insulation from moisture.

2,070,331
PLASTIC MATERIAL AND METHOD OF MAKING
Elmer R. Derby, Springfield, and Gustavus J. Esselen, Swampscott, Mass., assignors to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts
No Drawing. Application February 1, 1936, Serial No. 61,940
1 Claim. (Cl. 106—22)

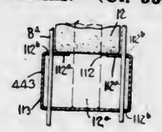
The improved plastic material having great strength and toughness at low temperatures and the like which comprises a resin made by hydrolyzing polyvinyl acetate to about 96% and combining all but about 8% of the hydroxyl groups with formaldehyde, to which product has been added about 60 parts of di-ethylene glycol dipropionate to each 100 parts of the resin.

2,070,332
EAR PROTECTOR
Julia I. Dowling, Bridgeport, Conn., and Joseph L. Laib, Albany, N. Y.
Application October 17, 1933, Serial No. 693,954
1 Claim. (Cl. 132—45)



In an ear protector, a blank of flexible material of sufficient area to cover the human ear and comprising a substantially flat portion having a curvilinear edge integrally joined to a flanged portion extending outwardly therefrom in substantially straight lines and plaited in the direction of said lines, whereby said member may be caused to envelop the human ear with the edges thereof engaging the portions of the head immediately surrounding the ear, thereby substantially excluding the entry of hot gases beneath said member.

2,070,333
TOASTER
Samuel Freeman, New York, N. Y.
Application April 7, 1931, Serial No. 528,263
2 Claims. (Cl. 53—5)

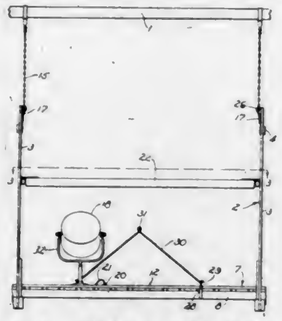


2. In an automatic toaster of the type which has a frame and a vertically movable support slidable in said frame and a control device adapted to stop the upward movement of said support at a predetermined level, said support consisting of two platforms of different heights integral with each other, so that a relatively thin article to be toasted can be directly supported upon the lower support and a relatively smaller or thicker article to be toasted can be directly supported on the upper supporting means.

2,070,334
LAMP SUPPORT
David S. Garber, Hollywood, Calif.
Application May 24, 1935, Serial No. 23,245
7 Claims. (Cl. 240—3)

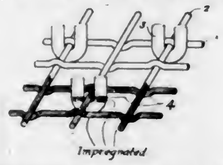
1. A lamp support of the character described, including: an above-the-floor suspension means;

a plurality of chain means connected to said suspension means; a plurality of rigid hanger frames supported by said chains; a platform detachably connected to said hanger frames; lamp means on said platform; means for holding said platform in fixed position on said hanger frames, said platform and lamp means being



removable as a unit from said hanger frames; and hook means associated with said hanger frames adapted to engage different links of said chain means for changing the level of said platform to raise or lower this level and change the angular position thereof thereby changing the angular position of said lamp means.

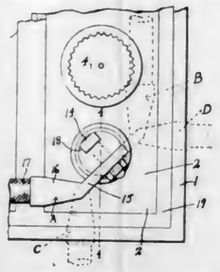
2,070,335
POROUS COATED PILE FABRIC
Glen S. Hiers, Bala-Cynwyd, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 16, 1935, Serial No. 45,357
9 Claims. (Cl. 28—1)



1. An impregnated ventilated flexible single-plane backing V-pile fabric which consists of interwoven warp and weft backing threads, warp pile V tufts having their tips free of impregnating material looped around a single weft thread so that the tips of the pile bights project below the backing threads, said pile tufts being firmly anchored in the backing fabric by a cementitious binding material, which is thoroughly diffused in and largely confined within said threads and locally to and in said tufts at that portion of the tufts which are in the plane of the backing threads, whereby the interstices between the threads are not filled and the porosity as well as the textile feel is preserved on both sides of the finished fabric.

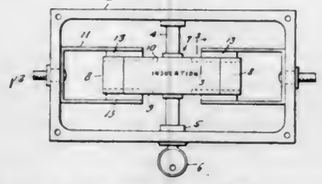
2,070,336
BATTERY POST AND CABLE CONNECTION
Charles E. Hoover, Lancaster, Pa.
Application October 3, 1935, Serial No. 43,421
3 Claims. (Cl. 173—259)

1. In a storage battery wherein is provided a box, the walls of which are at right angles to one another, a battery plate terminal post extending above the box and having a flat side the plane of which lies at an angle of approximately 45° to the sides of the box, a bolt hole passing through the flat faced portion of the post, all be-



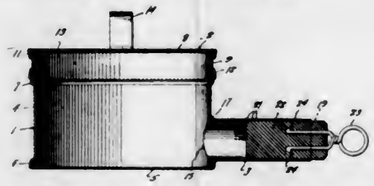
ing arranged substantially for the purposes described.

2,070,337
SWITCH
Read W. Lowell, Stockton Springs, Maine
Application June 3, 1935, Serial No. 24,721
1 Claim. (Cl. 200—11)



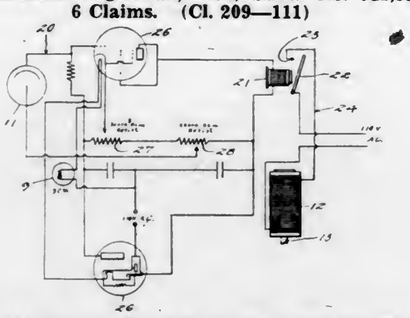
A switch of the class described comprising a casing, a shaft journaled in said casing, a disk fixed on said shaft, said disk including a pair of connected segments of current conducting material having substantially U-shaped grooves therein, said disk further including a pair of segments of non-conducting material between the first-named segments, a pair of substantially U-shaped, resilient contacts mounted in the casing and straddling the disk, and substantially V-shaped ribs on the end portions of said contacts slidably engaged with the opposite faces of the disk and engageable in the grooves.

2,070,338
SOAP DISPENSER
Chesterfield Guy Marhoff, Chicago, Ill., assignor to The Cudahy Packing Company, Chicago, Ill.
Application May 23, 1932, Serial No. 613,030
6 Claims. (Cl. 141—9)



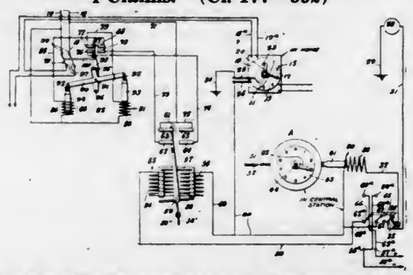
1. A soap dispenser for use in conjunction with a spray of water comprising a container for the soap, an aperture in the top of the container for admitting a predetermined amount of the spray to the soap to form a soap solution, a hollow member projecting horizontally from and in communication with the container, and apertures at different levels in the upper portion of the member.

2,070,339
CAN END INSPECTOR
Mark E. Moore, Maywood, Ill.
Application August 28, 1934, Serial No. 741,852
6 Claims. (Cl. 209—111)



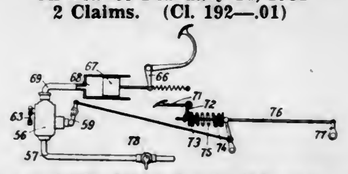
1. Mechanism for inspecting normally shiny light reflecting bodies, comprising a conveyor for said bodies, a housing overlying the conveyor having an open lower side, a light sensitive element in the housing, means within the housing beneath said element for directing a light beam onto an article passing beneath the housing, an electric circuit including a relay and said element, said circuit and relay being made operative by the reception of a pre-determined amount of light by the element from a body, a second circuit, a switch in the second circuit having a pair of normally open switch points which are disposed to be closed by the body carried on the conveyor for inspection as it arrives beneath said housing, said relay when energized opening a second switch in series with the first switch in the second circuit, and electrically operated means made operative by the closing of the second circuit for removing an undesirable body from the conveyor.

2,070,340
REMOTE METERING AND SERVICE CONTROL APPARATUS
Francis L. O'Bryan, Framingham Center, Mass.; Marion O'Bryan, administratrix of said Francis L. O'Bryan, deceased, assignor of one-fourth to John J. Prindeville, Framingham Center, Mass.
Application February 19, 1931, Serial No. 517,128
4 Claims. (Cl. 177—352)



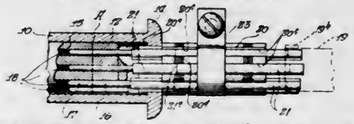
1. A public service system comprising a central station and a subscriber's station located at a location remote from the central station; a service meter at the subscriber's station; a second meter at said central station; a metering circuit between and connecting said service meter and said second meter whereby the second meter is operable in response to operation of said service meter; control means at said subscriber's station for controlling the supply of service; electrically actuated means at said subscriber's station connected to said control means for operating the latter to "on" and "off" positions; a polarity changing switch at said central station for controlling operation of said electrically actuated means; means forming a service control circuit between said switch and said electrically actuated means; a second switch connected in said metering circuit for opening and closing the latter; and a connection between said second switch and said polarity changing switch whereby said polarity changing switch can be closed only when said second switch is open.

2,070,341
DRIVE MECHANISM FOR MOTOR VEHICLES
Léon Salves, Billancourt, France, assignor to Louis Renault, Billancourt, France
Application January 15, 1932, Serial No. 586,885
In France February 14, 1931
2 Claims. (Cl. 192—.01)



1. In a vehicle driven by an internal combustion engine, a driving mechanism comprising an accelerator pedal, a clutch for said engine, a shaft constantly driven by said engine, an auxiliary clutch on said shaft, means for operating said auxiliary clutch by the accelerator pedal, means for transmitting motion from said auxiliary clutch to a lever actuating said engine clutch and means for holding the engine clutch released as long as the speeds of the two shafts to be clutched are not substantially the same.

2,070,342
LOCK TOOL
Thomas K. Tarrie, Chicago, Ill.
Application March 14, 1936, Serial No. 68,946
5 Claims. (Cl. 70—9)

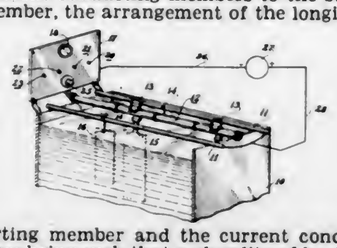


1. A decoding tool for a lock having a rotatable cylinder and a circularly-spaced set of tumblers in the latter comprising, a holder, a set of slide strips carried thereby and arranged similarly to the tumblers, the slide strips being capable of individual advance beyond the holder to contact and back each tumbler the necessary distance to attain the parting line, the holder being rotatable when all the tumblers have attained the parting line to turn the cylinder in the unlocking direction, and means to determine the extent to which the slide strips have been advanced.

2,070,343
CURRENT CONDUCTING BAR
Lawrence C. Turnock, Cleveland Heights, Ohio
Application June 16, 1934, Serial No. 730,959
13 Claims. (Cl. 204—5)

12. A bus bar adapted to be employed to support a plurality of plating hooks in relation to a plating bath comprising, in combination, a longitudinal supporting member adapted to be supported above the plating bath, a plurality of cur-

rent conducting members mounted longitudinally of the supporting member, the said plurality of current conducting members being electrically insulated from each other, means for securing the current conducting members to the supporting member, the arrangement of the longitudinal

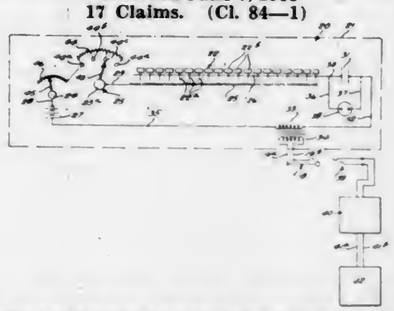


supporting member and the current conducting members being such that a plurality of hooks may be suspended from the bus bar in the same bath and such that part of the said plurality of hooks are insulated from the remaining part of the said plurality of hooks.

2,070,344

ELECTRIC MUSICAL INSTRUMENT

Harry F. Waters, New York, N. Y.
Application August 14, 1931, Serial No. 556,969
Renewed June 7, 1935
17 Claims. (Cl. 84—1)

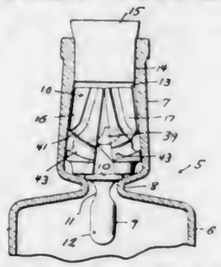


1. In an electrical musical instrument, in combination, means for producing electrical impulses at an audio-frequency rate, means for sequentially changing the rate of said impulses throughout a desired range of operation, and means for uniformly shifting the range of operation of said last mentioned means at least an amount equivalent to one complete octave of the musical scale.

2,070,345

NONREFILLABLE BOTTLE

Richard J. Watts, Quincy, Mass.
Application April 1, 1936, Serial No. 72,156
3 Claims. (Cl. 215—26)

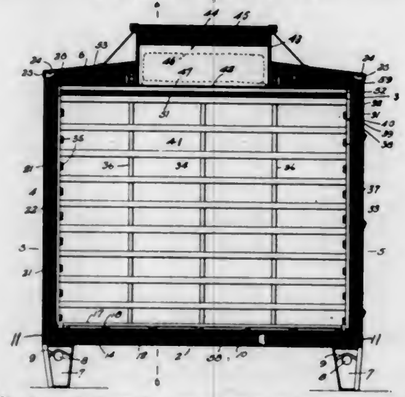


1. A non-refillable bottle of the character described comprising a body and a neck, a constricted portion between the body and the neck and defining a restricted opening, said neck having a tapered bore, and a sectional refilling preventing means disposed in said tapered bore, the sections being arranged to be juxtaposed for insertion into the smaller upper part of the bore of the neck, interfitting tongues and recesses on the opposed wall of said section and having inclined faces to ride past each other in one direction and a free locking member also seated in one of the recesses and operating between said sections for spreading the lower parts of the sections away from each other as said sections are moved into the wider lower part of the said tapered bore, whereby removal of the sections through the smaller upper part of the bore is positively precluded.

2,070,346

INSULATED CONTAINER FOR CONTAINER CARS

Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware
Application March 1, 1933, Serial No. 659,234
5 Claims. (Cl. 220—1.5)



3. A container for container cars comprising a body formed of bottom, side and end walls each including an outer wall surface formed of sheet metal panels, the panels of the side and end walls having flanges extending inwardly therefrom and welded at the joints to form corner stiffening beams, angle metal members welded to the inner faces of the panels, wooden framing members secured to the angle metal members, inner linings of wood fastened to the wooden framing members and forming the inner wall surfaces of the respective walls, and a reinforcing metal sheet covering the inner lining of the bottom wall.

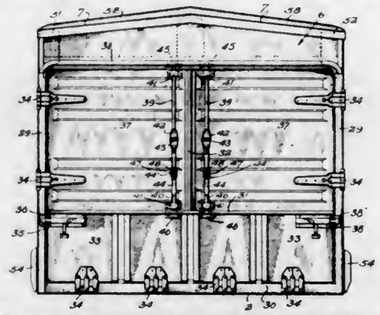
2,070,347

CONTAINER FOR CONTAINER CARS OR AUTOMOBILE TRUCKS

Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware
Application April 24, 1934, Serial No. 722,191
2 Claims. (Cl. 220—1.5)

1. A container for container cars or auto trucks comprising a container body of rectangular form and having at one of its sides a bottom drop door extending substantially the full width of said side and adapted to serve as a tail gate or gangway platform, a horizontally swinging door arranged above said drop door, keepers on the sides

of the container at right angles to the first-named side, bolts on the drop door to engage said keepers, keepers arranged respectively on the drop door and on the container above the horizontally swinging door, a centrally pivoted actuating lever on the horizontally swinging door, and upper and lower sliding bolts on the horizontally swing-

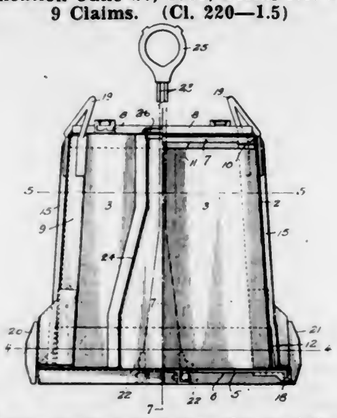


ing door connected to the lever on opposite sides of its pivot and actuable by said lever to engage the latter-named keepers to simultaneously lock the horizontally swinging door at its upper edge to the container body and at its lower edge to the drop door at an intermediate point between the fastening bolts of said drop door.

2,070,348

DROP BOTTOM CONTAINER FOR CONTAINER CARS

Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware
Application June 27, 1935, Serial No. 28,742
9 Claims. (Cl. 220—1.5)

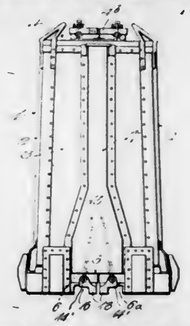


1. A drop bottom container for container cars comprising a body having a top filling opening, a bottom discharge outlet and a load receiving chamber of progressively increasing internal area between its top and bottom and substantially coextensive in area at its bottom with the discharge outlet, the inner surfaces of the walls of the chamber being substantially smooth and devoid of obstructions between the filling opening and discharge outlet to render the chamber self-clearing in a discharge action, said walls having outwardly offset sill portions bounding said discharge outlet, said sill portions including horizontal seat surfaces projecting outwardly beyond the line of the container body, and a swinging drop bottom adapted to abut against the horizontal seat surfaces of the sill portions to close the bottom outlet and hinged so as to swing to an open position out of the vertical plane of the outlet.

2,070,349

DROP BOTTOM CONTAINER FOR CONTAINER CARS

Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware
Application August 9, 1935, Serial No. 35,540
3 Claims. (Cl. 220—1.5)



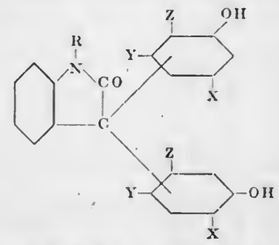
1. A freight container having a storage chamber provided with a bottom discharge outlet, sheet metal hinged doors at opposite sides of said outlet mounted to swing in a vertical plane for opening and closing movements, the door sheets being provided at their free edges with Z-shaped metal reinforcing bars presenting opposed horizontal flanges below the free edges of the door sheets, the free edge of one of the door sheets being provided with a sealing flange depending therefrom upon the outer side of its Z-shaped reinforcing bar and toward the horizontal flange thereof, and a flexible sealing member arranged between the horizontal flange of the Z-bar and free edge of the other door sheet for sealing engagement with the first-named sealing member.

2,070,350

MANUFACTURE OF COMPOUNDS USEFUL FOR PROTECTION AGAINST MOTHS

Jakob Bindler, Basel, Switzerland, assignor to the firm of "J. R. Geigy S. A.," Basel, Switzerland
No Drawing. Application July 27, 1933, Serial No. 682,530. In Switzerland July 13, 1933
7 Claims. (Cl. 260—47)

5. As compounds for protection against moths, the condensation products having the general formula:



wherein R stands for a member of the group consisting of monosulphonated benzyl and monosulphonated chloro-benzyl radicals, and X is one of the group consisting of hydrogen and lower alkyl, Y is one of the group consisting of hydrogen and amyl and Z is one of the group consisting of hydrogen and methyl, wherein at least one,

but no more than two substituents are hydrogen and one of the three substituents contains at least three carbon atoms.

2,070,351

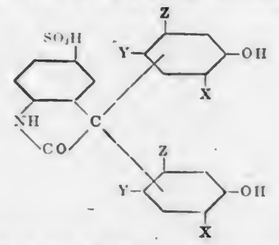
MANUFACTURE OF ISATIN COMPOUNDS USEFUL FOR PROTECTION AGAINST MOTHS

Jakob Bindler, Basel, Switzerland, assignor to the firm of J. R. Geigy S. A., Basel, Switzerland

No Drawing. Application July 27, 1933, Serial No 682,531. In Switzerland September 3, 1932

8 Claims. (Cl. 260—47)

5. As compounds useful for protection against moths, products of the general formula:



wherein X is one of the group consisting of hydrogen and lower alkyl, Y is one of the group consisting of hydrogen and amyl and Z is one of the group consisting of hydrogen and methyl, wherein at least one, but no more than two substituents are hydrogen and one of the three substituents contains at least three carbon atoms.

2,070,352

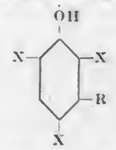
MANUFACTURE OF ISATIN COMPOUNDS USEFUL FOR PROTECTION AGAINST MOTHS

Jakob Bindler, Basel, Switzerland, assignor to the firm J. R. Geigy S. A., Basel, Switzerland

No Drawing. Application December 13, 1934, Serial No. 757,403. In Switzerland July 13, 1933

8 Claims. (Cl. 260—47)

5. As compounds for protection against moths the condensation products from 6-chloro-isatin-5-sulphonic acid and a substituted phenolic body of the benzene series of the general formula:



wherein X stands for one of the group consisting of hydrogen and chlorine, and R stands for one of the group consisting of hydrogen and methyl, wherein at least one of these substituents must be other than hydrogen.

2,070,353

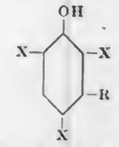
MANUFACTURE OF ISATIN COMPOUNDS USEFUL FOR PROTECTION AGAINST MOTHS

Jakob Bindler, Basel, Switzerland, assignor to the firm "J. R. Geigy S. A.", Basel, Switzerland

No Drawing. Original application July 27, 1933, Serial No. 682,531. Divided and this application December 13, 1934, Serial No. 757,404. In Switzerland September 3, 1932

10 Claims. (Cl. 260—47)

7. A compound useful for protection against moths consisting of a product of condensation of isatin-5-sulphonic acid with a substituted phenolic body of the benzene series of the general formula:



wherein X stands for one of the group consisting of hydrogen and chlorine, and R stands for one of the group consisting of hydrogen and methyl and wherein at least one of these substituents must be other than hydrogen.

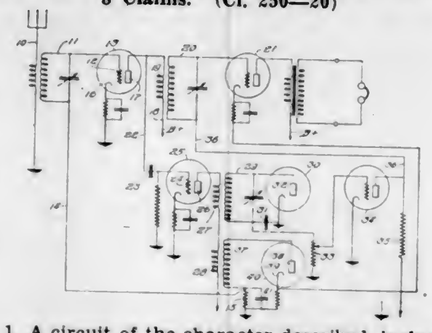
2,070,354

RADIO RECEIVING CIRCUIT

Jean J. Brand, Chicago, Ill., assignor of one-half to George A. Chritton and one-half to Thomas J. Sullivan, both of Chicago, Ill.

Application August 3, 1934, Serial No. 738,344

8 Claims. (Cl. 250—20)



1. A circuit of the character described, including; a signal source; an amplifying tube having a cathode and a grid; an output circuit for said amplifying tube; a second circuit whereby a portion of said output may be diverted; a multi-element tube having therein a cathode, a grid, a plate, and a rectifying element; means whereby said second circuit is coupled to said grid; means whereby the output in the plate circuit of said multi-element tube is rectified by said rectifying element; a resistance in the output circuit of said rectifying element; and means whereby the voltage developed across said resistance is impressed between the grid and cathode of said first mentioned amplifying tube.

2,070,355

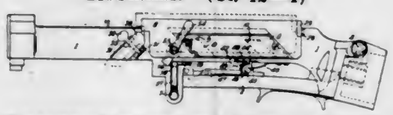
RECOIL OPERATED SMALL ARM

Arnold Louis Chevallier and Thomas Frederick Sanders, Slough, England, assignors to Chevallier Self-Loading Firearms Limited, London, England

Application December 19, 1934, Serial No. 758,322

In Great Britain January 12, 1934

13 Claims. (Cl. 42—4)



1. In a recoil loading gun having a breech casing and a breech bolt slidable therein to effect the reloading, a bolt locking arrangement comprising in combination at least one abutment surface on the breech casing substantially perpendicular to the longitudinal axis of the gun and facing forwards, an abutment surface on the bolt facing rearwards and parallel to the first named abutment surface, a locking piece with abutment surfaces located to cooperate with both the said abutment surfaces, said locking piece being slidable in a direction parallel to the abutment surfaces and the abutment surfaces between the locking piece and breech casing being of greater extent in the direction of movement of the locking piece than the abutment surfaces between the locking piece and bolt, an inertia member free to move in a direction having a forward component in relation to the breech casing on recoil, cooperating guiding surfaces on the inertia member and the breech casing to define said direction of movement, and cooperating guiding surfaces on the inertia member and the locking member, the latter guiding surfaces on the inertia member being inclined in relation to the former guiding surfaces on the same member.

2,070,356

METHOD OF CUTTING HAIR

Kenneth A. Christy, Parker's Landing, Pa.

Application January 25, 1935, Serial No. 3,522

6 Claims. (Cl. 132—1)



1. The method of cutting the hair of the human head to cause the hair to wave, consisting in forming a transverse groove through the mass of hair of the head, the groove being spaced from the hair line at the forehead by cutting away rows of hair, combing the hair at the front of the head, rearwardly over the groove, and finally cutting the hair at a point along the upper edge of the groove, whereby the hair may grow downwardly into the groove and up over the opposite side of the groove, forming a wave.

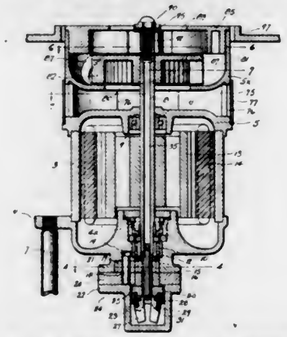
2,070,357

OIL BURNER

William W. Hallinan, Seattle, Wash., assignor to Skinner & Orr Engineering Company, Seattle, Wash., a corporation of Washington

Application May 13, 1933, Serial No. 670,962

3 Claims. (Cl. 158—77)



1. In an oil burner, a fan housing, a motor driven hollow shaft extending vertically therethrough, a spray nozzle on the upper end of the shaft, a centrifugal fan fixed on the shaft within the housing; said housing having air inlet ports for supplying air to the fan and having a discharge port encircling the shaft about the spray nozzle, means supplying fuel oil through said shaft to the nozzle and said fan housing having spirally directed deflectors on its inner walls extending from the fan toward the discharge port for causing the air discharge from the fan to be delivered through the discharge port in a whirling blast.

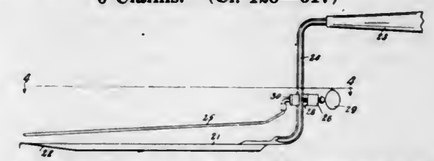
2,070,358

PLASTER CAST CUTTING MEANS

Hugh H. Hengstenberg, Cincinnati, Ohio

Application December 4, 1934, Serial No. 755,926

6 Claims. (Cl. 128—317)



6. A shield member adapted to cooperate with a plaster cast saw for precluding injury to a cast-covered member, said shield comprising a plate adapted to be inserted between said member and the cast, a handle attached to the plate and adapted to project outside the cast, the handle comprising a stem disposed substantially vertically relative to the plate and of non-circular cross sectional outline, a slide block on the stem provided with a stem-receiving aperture similar in outline to said sectional outline of the stem for rendering the block non-rotatable, means for fixing the block in selected positions on the stem, the block being further formed with a lateral opening communicating with said stem-receiving aperture to provide for removal of the block from the stem, and a wire guard fixed to the block and extending out over the plate, the guard being of substantially the same outline as the plate and being adapted to be positioned adjacent the outer face of the cast in overlying relationship with the plate to provide an operating field for the saw restricted to the limits of the plate.

2,070,359

COLORED GRANULE

Carl E. Hillers, Charlottesville, Va., assignor to Blue Ridge Slate Corporation, Charlottesville, Va., a corporation of Virginia

No Drawing. Application March 21, 1935, Serial No. 12,256

29 Claims. (Cl. 91—70)

6. The process of applying a continuous colored coating to the surface of roofing granules of refractory mineral material comprising the roughening and etching of the granules by depositing thereon, coloring material and heat softened cryolite.

2,070,360

GRINDING WHEEL AND METHOD OF BALANCING THE SAME

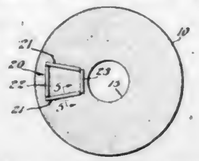
Charles J. Hudson, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application December 9, 1936, Serial No. 114,993

3 Claims. (Cl. 51—169)

1. The method of balancing an abrasive wheel which consists in introducing into the pores of

the wheel, on the light side of its axis, a sufficient quantity of pulverized mineral material in a vehicle of water with a wetting out agent to



make the weight of the light side substantially equal to the weight of the heavy side, the presence of such material not altering the grinding properties of the wheel.

2,070,361
WIRE LOOM WITH WEFT GRAB BARS
Willi Klemm, Neustadt-on-the-Orla, Germany
Application April 27, 1935, Serial No. 18,640
In Germany September 6, 1933
5 Claims. (Cl. 139—130)



1. In a loom a pair of reciprocable weft bars, operating means for the bars, rockable weft strand gripping means carried by the bars, the gripping means of one bar being active upon inward movement of said one bar and inactive upon outward movement thereof, the gripping means of the other bar being active upon outward movement of said other bar and inactive upon inward movement thereof, a lever carried by said other bar, means for connecting the lever with the gripping means of said other bar, an abutment disposed in the path of said lever on the inward movement thereof whereby to swing said gripping means to released weft strand receiving position, a second lever connected to the gripping means of said other bar, and a second abutment engageable with said second lever during the outward movement thereof to thereby swing said gripping means of said other bar to released position.

2,070,362
METHOD OF MAKING CHAINS
Willy Kreutz, Duren, Rhineland, Germany, assignor to Felix Schüll, Duren, Germany
Application August 18, 1932, Serial No. 629,268
In Germany September 30, 1931
3 Claims. (Cl. 59—35)

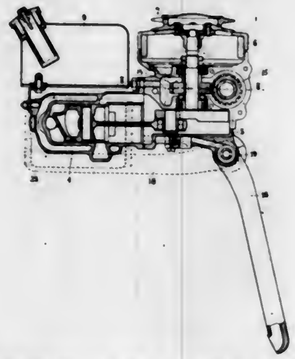


1. The method of making links of chains, which consists in cutting a length of round wire, returning the length of wire upon itself and welding the opposite ends thereof together to provide a continuous length of wire, flattening the wire, and bending the continuous length of wire into opposite end link eyes disposed axially at right angles to each other.

2,070,363
FROST PROTECTION FOR FLUSH TANKS
Jack C. Kur, Kansas City, Mo.
No Drawing. Application October 12, 1936, Serial No. 105,170
4 Claims. (Cl. 4—68)

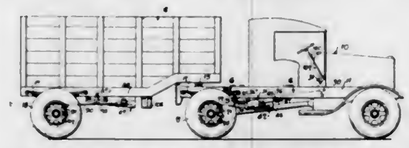
1. I claim originality in the use of any resilient matter as a lining for toilet flush-tanks to absorb physical pressure of water during freezing, thus preventing failure of flush-tanks by cracking, breaking, or bursting.

2,070,364
OUTBOARD MOTOR
Alfred Lesage, Schweinfurt, Germany
Application November 2, 1933, Serial No. 696,303
In Germany November 5, 1932
4 Claims. (Cl. 115—18)



1. In combination with an outboard motor unit, a bearing sleeve attached to said unit, a rod-like member adapted to be secured to the boat and having a bearing fit in the interior of said sleeve, a clutch, one element of which is connected to the outer end of said sleeve, the other element being connected to the rod-like member for interconnecting said rod-like member and said bearing member against relative rotational movement, and a spring in the interior of said sleeve between the outer end of said rod-like member and the inner end of said sleeve for urging the elements of the clutch together and for effecting a flexible axial connection between said sleeve and said rod-like member.

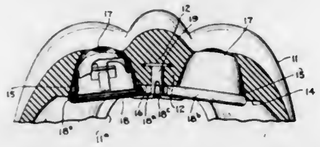
2,070,365
ELECTRIC BRAKE MECHANISM
Peter P. Leventis and Daniel R. Litton, Gastonia, N. C., assignors to said Peter P. Leventis
Application February 21, 1936, Serial No. 65,078
2 Claims. (Cl. 188—162)



1. In a vehicle having wheels and brakes for said wheels, apparatus for applying or releasing said brakes, comprising a reversible electric motor having an armature shaft extending from one end thereof, said shaft having an intermediate portion of said extending portion threaded and having its outer end and a portion next to

the motor unthreaded, an internally threaded member threadably mounted on said threaded portion of said shaft, a coiled spring disposed around each unthreaded portion of said shaft, a connection between said internally threaded member and said brakes whereby rotation of said shaft will move said brakes, a pair of electrical circuits connected to said motor whereby electrical energy can be applied to one circuit at a time to rotate said shaft in the desired direction, a switch in each of said circuits, a lever for operating each switch, a rod carried by said internally threaded member and having a raised portion on each end thereof for engaging one of said levers to break one of the circuits to the motor when the internally threaded member has moved a predetermined amount on said shaft, and said coiled springs serving to cause engagement between the threaded portion of said shaft and said internally threaded member when said shaft is rotated in a direction opposite to that which placed the internally threaded member on an unthreaded portion of said shaft.

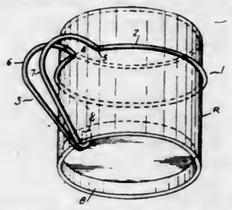
2,070,366
RUBBER DOLL HEAD AND METHOD FOR MAKING THE SAME
Melvin S. Lower, Wadsworth, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application September 30, 1936, Serial No. 103,305
5 Claims. (Cl. 46—167)



1. A hollow rubber doll head formed with eye openings and a web of rubber on the inside of the head having eye socket formations back of the eye openings said sockets being connected by a groove extending between the sockets, a fastening device comprising a pronged rivet having a head embedded and vulcanized in the rubber wall of the doll head so as to project rearwardly in said groove and an eye unit having a pair of opening and closing eye devices secured thereto for fitting in said sockets and a shank for fitting in said groove, said shank having an aperture engaged over said projecting rivet, and the prongs of said rivet being bent in back of said shank to secure the eye unit in place in the doll head.

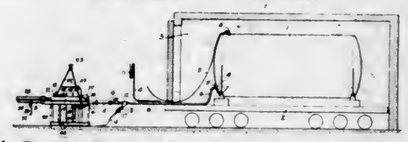
5. That method for making hollow rubber doll heads with opening and closing eyes which comprises forming a hollow doll head with eye openings with sockets in back of the eye openings securing a fastening device in the rubber constituting the wall of the doll head by embedding and vulcanizing a portion of a fastening device in said wall whereby a portion of the fastening device projects into the head, providing a structure including a base securing eye devices for fitting in said sockets in spaced relation on said base whereby to provide a connecting shank, inserting said unit in the head with the eye devices in said sockets and securing the fastening device to said shank, said fastening device comprising a pronged rivet with the prongs extending rearwardly in the groove, said shank being apertured and the rivet being extended through the shank, the prongs of the rivet being bent in back of the shank to retain the unit in place.

2,070,367
DETACHABLE HANDLE FOR RECEPTACLES
Benjamin Mackilbank, Brooklyn, N. Y.
Application May 25, 1934, Serial No. 727,513
1 Claim. (Cl. 16—114)



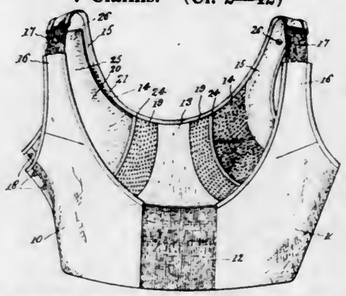
As an article of manufacture, a detachable holder or handle for a receptacle of the food carton type, said holder consisting of a resilient wire bent into a horizontal split ring for encircling the receptacle and a vertical loop, said loop being in the form of an ear providing a handle for said receptacle, the lower end of said loop being bent into an upwardly extending hook, said hook being adapted to catch under the bottom bead or flange of the receptacle in the case of cartons having a slight taper, and to press against the outer surface of the carton in the case of cartons having a considerable taper.

2,070,368
METHOD FOR ENAMELING TANKS
Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 8, 1935, Serial No. 25,694
8 Claims. (Cl. 91—73)



4. In the fusing of a vitreous enamel lining to the interior of a tank, the step which comprises replacing air within the tank with another atmosphere by introducing solid particles of the other atmosphere into the tank and thereafter vaporizing them to form a gas.

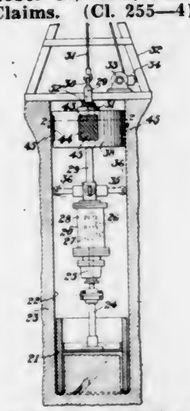
2,070,369
BRASSIÈRE
Elinor Miller, New York, N. Y.
Application August 20, 1936, Serial No. 97,064
7 Claims. (Cl. 2—42)



1. A brassière, comprising a body portion having breast pockets and shoulder straps, ledge strips secured on the inner side of the body por-

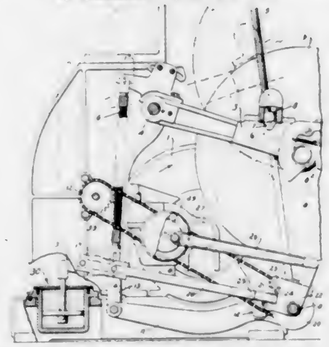
tion along the lower portions of the pockets and extending upwardly thereof, and a removable pad fitting in one of said pockets behind said ledge strip and having a reduced strap portion at its outer corner extending upwardly and engaging against the inner side of the adjacent shoulder strap, and means for detachably securing the pad in place.

2,070,370
GUIDING DEVICE
Frank Miller, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application October 30, 1935, Serial No. 47,362
6 Claims. (Cl. 255—4)



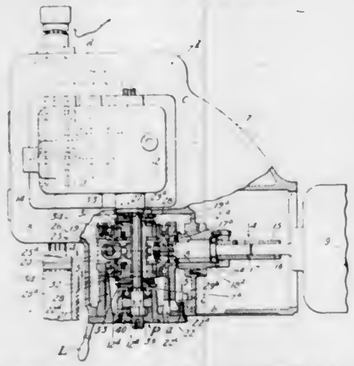
1. A guiding device for a drill rod, comprising a casing adapted to be disposed over the end of the drill rod, guide means on the casing wherein the drill rod is freely slidable and interlockingly engaging the drill rod, a plurality of rock-engaging members slidable radially in the casing, and a screw-jack arranged coaxially of the drill rod for actuating the rock-engaging members.

2,070,371
WINDER
Burt A. Peterson, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 20, 1935, Serial No. 41,353
4 Claims. (Cl. 28—26)



1. A winder having, in combination, a friction driving drum, means for supporting a yarn container with its yarn mass in peripheral contact with the driving drum, and means for pressing the yarn mass against the drum, said pressing means including yarn-controlled means for automatically reducing the pressure to compensate for the increased weight of the yarn mass as the container fills, whereby to render the pressure of the yarn mass against the drum approximately constant.

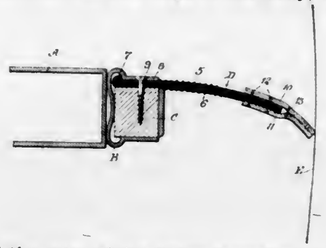
2,070,372
SLEEVELESS MOTION REVERSER
Lawrence L. Schauer, Wyoming, and Augustus M. Sosa, Cincinnati, Ohio, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio
Original application January 8, 1932, Serial No. 585,478, now Patent No. 2,022,436. Divided and this application May 22, 1934, Serial No. 726,908
8 Claims. (Cl. 74—378)



7. A reversing mechanism combining a casing; a driving bevel pinion journaled therein; a pair of anti-friction bearings supported in said casing at opposite sides of said bevel pinion with their axes transverse to the axis of said driving pinion; a driven bevel gear journaled in each of said anti-friction bearings and driven in opposite directions by said driving pinion, the pitch diameter of said gears being substantially equal to the pitch diameter of said bearings; a clutch member rotatable within each of said gears, said clutch members each having a splined central bore for operative attachment to a power transmission shaft; a friction clutch ring intermediate each of said bevel gears and its clutch member, each of said friction clutch rings being approximately in the plane of the surrounding anti-friction bearing, clutch member and bevel gear; and means carried by said casing and intermediate the adjacent ends of said bevel gears for actuating said friction clutch rings selectively to effect a driving connection between said gears and said clutch members.

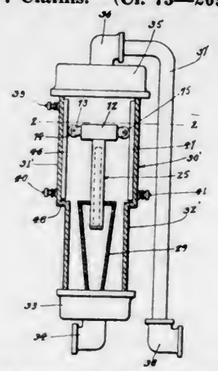
2,070,373
WEATHER STRIP
Joseph F. Schwab, Brooklyn, N. Y., assignor to Revolving Doors, Inc., New York, N. Y., a corporation of New York
Application August 27, 1932, Serial No. 630,726
2 Claims. (Cl. 20—69)

1. A reversible weather strip for doors including an elastic body connected to the edge of the door and projecting laterally therefrom, separate wear strips attached to the outer free edge of the elastic body and projecting therefrom beyond the free edge, means for securing the wear strips to the body, and means for securing the projecting portions of the wear strips to each other immediately beyond the free edge of the body, the free



edges of the wear strips being laterally co-extensive and relatively movable laterally in close contact with each other.

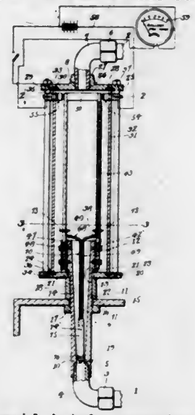
2,070,374
FLOW METER
Carroll P. Sherwood, Camden, N. J., assignor to American Gasaccumulator Company, Elizabeth, N. J., a corporation of New Jersey
Application December 10, 1931, Serial No. 580,160
7 Claims. (Cl. 73—209)



1. In a flow meter, a fluid movable flow rate indicating controlling member, said member consisting of a cylindrical body of uniform diameter throughout from one end face to its other, said body being completely closed at its ends and having its end faces flat throughout, and a hollow element for connection to a fluid intake, said element gradually increasing in inner diameter from its intake end to its other end, the said other end formed with a closure having an axially arranged aperture through which moves said member, said member and element being formed of materials having like expandible and contractile characteristics to insure the accuracy of the meter in all climates and when subjected to varying temperatures, said element being formed with outlets in proximity to said closure.

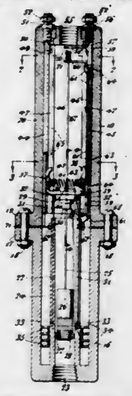
2,070,375
FLOW METER
Carroll P. Sherwood, Camden, N. J., assignor to American Gasaccumulator Company, Elizabeth, N. J., a corporation of New Jersey
Application June 27, 1932, Serial No. 619,589
8 Claims. (Cl. 73—209)

1. In a flow meter, an upright housing including a tubular body part and a pair of axially apertured top and bottom parts anchored against the ends of said body part, an outlet member secured in the axial opening of said top part, a vertically disposed fluid intake member extending upwardly through the axial opening of said bottom part, said intake member having an opening from end to end thereof of gradually increasing inner diameter from its lower portion to its upper terminus, a fluid flow rate controlling device



operating in said intake member, guiding elements in said housing, connecting means between said guiding elements and said controlling device and freely movable in the opening in said intake member, and parallel guiding means outside of said intake member and within said housing for cooperating with said guiding elements to guide the movements of said controlling device.

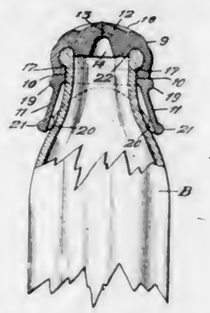
2,070,376
CIRCUIT CONTROL DEVICE
Carroll P. Sherwood, Camden, N. J., assignor to American Gasaccumulator Company, a corporation of New Jersey
Application August 8, 1934, Serial No. 738,969
10 Claims. (Cl. 201—48)



1. In apparatus for indicating the rate of flow of a fluid through a flow chamber, a variable resistance device comprising a stationary contact strip supported within said chamber and having means for connecting an electrical indicator thereto, a stationary resistance strip supported within said chamber parallel to and spaced from said contact strip and having a ground connection at one end thereof and a switch in said chamber for making and breaking a circuit connection to the opposite end thereof, a contactor in said

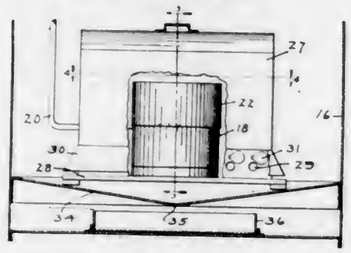
chamber movably engaging said strips, and means for moving said contactor in response to changes in the rate of flow of the fluid through said chamber and for actuating said switch upon a predetermined minimum rate of flow of the fluid.

2,070,377
BOTTLE CLOSURE
Elta Simmons, New York, N. Y.
Application June 8, 1932, Serial No. 615,987
6 Claims. (Cl. 215—41)



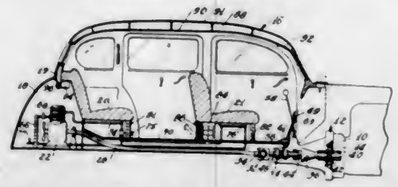
5. In an elastic cap for sealing a bottle against external pressure while permitting the escape of internal pressure therefrom, a bowl having an arched crown concentric with and shaped to rest on the mouth of a bottle and provided interiorly with a downwardly projecting circumferential rib for engaging the interior of the bottle mouth, said crown being of sufficient thickness and rigidity to resist collapse when subjected to suction from within the bottle, said crown having a slit therethrough, and an internal bead spaced from the crown for fitting under a lip of the bottle to retain the crown normally in contact with the bottle mouth.

2,070,378
MEDICATED STEAM BATH
Abraham B. Stout, Plymouth, Ind.
Application May 22, 1936, Serial No. 81,168
6 Claims. (Cl. 4—164)



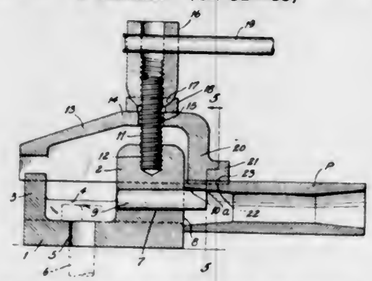
4. In combination, a bath cabinet, a drain floor in the cabinet, a steam generator carried above the floor, means for deflecting steam from the generator toward the floor, said floor sloping from the walls of the cabinet to a low area having a drain hole therein, and a removable drain pan under said area receiving condensation from the walls and floor of the cabinet, a false floor carried by the drain floor, and said generator being mounted on the false floor whereby said steam may diffuse thereunder and back up within the cabinet.

2,070,379
AUTOMOTIVE REFRIGERATING AND COOLING SYSTEM
Nicola Stramaglia, Chicago, Ill.
Application October 28, 1936, Serial No. 107,941
2 Claims. (Cl. 62—117)



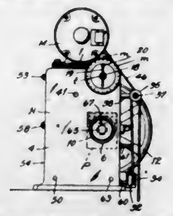
1. An air cooling system for automotive vehicles of the type having a substantially closed cab and a motor-driven flywheel having a geared periphery, said cooling mechanism comprising a refrigerating apparatus including a refrigerant compressor and a refrigerant expansion line therefor, driving means for said compressor including a link drive member operatively attached to the compressor, a driven gear drivingly engaged with the geared portion of said flywheel, a first clutch member rotatable with said driven gear, a second clutch member slidable into and out of driving engagement with said first clutch member, manually operable means for moving said second clutch member into and out of engagement with the first member, and means including a speed reducing device drivingly connecting said second clutch member and said link drive member whereby said compressor may be operated from said flywheel, refrigerant expansion means within said cab and connected with said expansion line, together with air circulating means including a channel formed between wall portions of said cab and communicating at one extremity with the interior of the same and at its other extremity with an exhaust port opening exteriorly of the cab, and means including a motor-driven blower for withdrawing air from within said cab through said channel.

2,070,380
PIN HOLDING DEVICE
Joseph Sunnen, Kirkwood, Mo.
Application August 15, 1934, Serial No. 740,006
2 Claims. (Cl. 81—33)



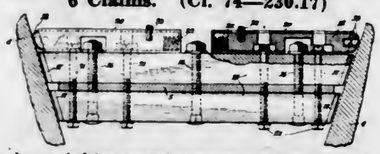
1. A device of the character described comprising a base member and a cap member movably mounted thereon, one of said members having a concave surface overhanging the other member, the other member having a projecting element below and inclining toward said concave surface, said element terminating within the margins of said surface, and means for moving the base member and the cap member together to clamp the work piece between them.

2,070,381
PIN HOLE GRINDER
Joseph Sunnen, Kirkwood, Mo.
Application April 23, 1935, Serial No. 17,819
6 Claims. (Cl. 51—72)



1. A grinding machine comprising a housing, a spindle mounted in said housing, a grinding tool fixed in the head end of said spindle, said tool including a radially movable grinding element, a feed rod mounted for longitudinal movement in said spindle, means interconnecting the grinding element and feed rod for adjusting the former with a movement of the latter, a driving pulley, means for actuating said pulley, a driven pulley on the spindle, a belt passing over said pulleys, a belt tensioning device therefor, an actuating pedal, connections between said pedal and feed rod, and connections between the pedal and tensioning device whereby the belt tension is increased as the pedal is operated.

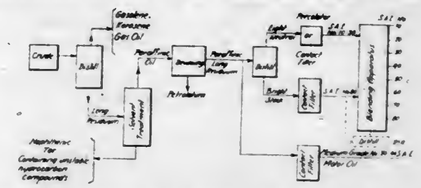
2,070,382
VARIABLE SPEED TRANSMISSION
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application March 7, 1936, Serial No. 67,598
6 Claims. (Cl. 74—230.17)



1. A variable speed transmission of the class described, having opposed cones, mechanism for adjusting said cones toward and from each other, a belt working between said cones, and having frictional surfaces respectively engaging said cones, mechanism for regulating the tension of said belt, anti-friction members positioned to act between said belt and cones, and means operable when the tension in the belt is relieved for moving said anti-friction members to break the frictional engagement between the belt and cones and thereby facilitate the operation of said first mentioned mechanism.

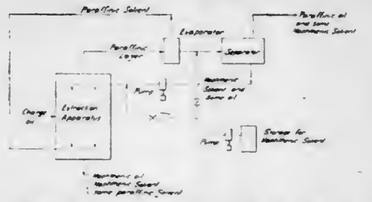
2,070,383
LUBRICANT
Malcolm Harley Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application September 5, 1933, Serial No. 688,108
2 Claims. (Cl. 196—151)

2. Lubricating oil of viscosity suitable for internal combustion engines produced in commercial quantity by solvent extraction from an asphaltic base residue and containing lubricant hydrocarbons extracted from the highest boiling portions of said residue, and having a viscosity gravity characteristic of about .801 to .819, a viscosity index of about 94 to 105, and a Conradson carbon of about .11 to .36, said oil being substantially free from decomposition products resulting



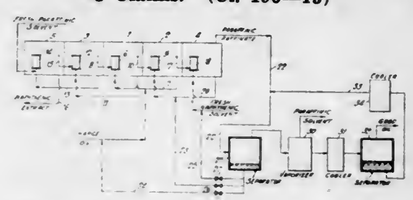
from distillation of a residual oil and free from sludge-forming constituents over ordinary periods of use.

2,070,384
REFINING OF MINERAL OILS
Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application January 31, 1934, Serial No. 709,098
3 Claims. (Cl. 196—13)



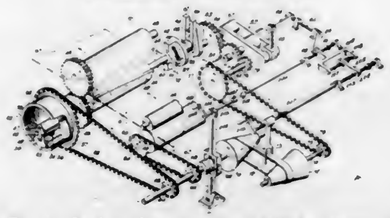
1. In the art of refining a mineral oil by means of liquefied propane and a separable naphthenic solvent, the steps comprising counterflowing said propane and solvent in the presence of the oil to be defined, separating from the resulting mixture a raffinate fraction containing oil, propane and solvent, evaporating at least a portion of the propane from said withdrawn raffinate fraction to cause the same to separate into layers, separating the layers thus formed and returning the bottom layer to the first-named step.

2,070,385
PURIFICATION OF OIL FRACTION AND SOLVENT RECOVERY
Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application October 9, 1934, Serial No. 747,495
8 Claims. (Cl. 196—13)



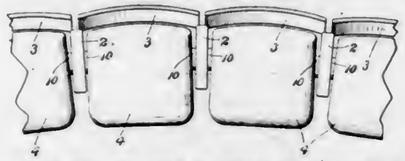
1. In the process of extracting a mineral oil by means of paraffinic and naphthenic solvents jointly employed, the steps comprising separating a paraffinic type raffinate from the mixture of oil and solvents, causing said raffinate to separate into layers, and introducing the lower of said layers to said mixture of oil and solvents at a point between the point where the mineral oil is charged and the point where fresh naphthenic solvent is introduced.

2,070,386
CUTTING APPARATUS
Gustave A. Ungar, Pelham Manor, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application September 6, 1935, Serial No. 39,397
22 Claims. (Cl. 164—68)



1. In a device for cutting sheets from continuous webs, a source of power; a first drive means controlled from said source of power for feeding said web at a substantially constant rate of speed; knife cutting means operating through a cycle, each cycle including a cutting interval during which the knife means engage and cut said web; a second variable speed drive means controlled from said source of power for driving said knife means; a third constant speed drive means controlled from said source of power and operative only during the cutting interval of said knife means for driving said knife means at the constant speed of said web; and spring means interposed between said second drive means and said source of power for permitting said knife means to be driven from said third drive means free from said second drive means.

2,070,387
THEATER SEAT
Milford T. Vandervoort, Grand Rapids, Mich.
Application February 18, 1935, Serial No. 6,954
8 Claims. (Cl. 155—86)



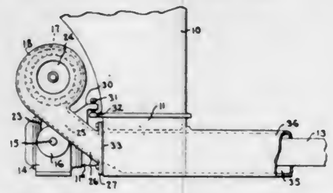
1. A hinge for theater seats or the like comprising, two cooperating hinge members, one adapted to be attached at a side edge of a seat and the other to a supporting standard, one of said members including a housing open at one end, and the other of said members projecting partly into said housing, a stud connected with and extending centrally of the housing, and a ball around the free end of said stud, said other member of the hinge having a socket receiving said ball, whereby the members having a relative universal movement with respect to each other, and having relative turning movement with respect to each other about the axis of the stud.

2,070,388
APPARATUS FOR MAKING RUBBER TUBING OR THE LIKE
Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio
Original application November 7, 1934, Serial No. 751,857. Divided and this application October 17, 1935, Serial No. 45,387
7 Claims. (Cl. 154—6)

1. An apparatus for forming rubber tubing, comprising a moving element upon which a tape may be formed from rubber latex and spaced rolls for conducting the tape from said element, said rolls being run at progressively increasing peripheral speeds so as to stretch the tape longitudinally, and an inclined surface against which the tape rests to roll the tape from one edge.

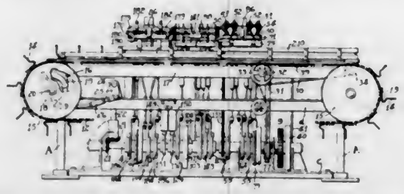


2,070,389
STOKER CONSTRUCTION
Oliver L. Bardes, Cincinnati, Ohio, assignor to The E. H. Bardes Range and Foundry Company, Cincinnati, Ohio, a corporation of Ohio
Application August 23, 1933, Serial No. 686,363
2 Claims. (Cl. 110—101)



1. A stoking apparatus comprising, in combination, a hopper structure, an air duct and a conveyor for delivering coal; a housing rigidly attached to said air duct and said air duct being secured to said hopper structure, a motor mounted on said housing in fixed relation thereto and comprising a rotatable shaft, a fan mounted on said shaft, said housing serving as the sole support for said motor and being formed to encompass said fan and adapted to conduct air currents from said fan into said air duct, and a driving belt operatively connected with said shaft and said conveyor, said housing being adjustable in a direction longitudinally of said belt so as to provide for shifting the position of said motor as required in order to establish suitable tension of said belt without altering the position of said fan relative to the portion of said housing which encompasses said fan.

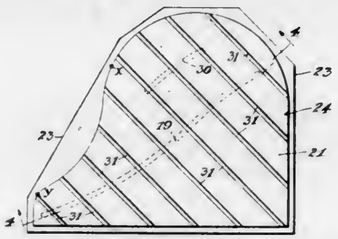
2,070,390
BAG SEALING AND LABELING MACHINE
Franklin H. Biggs, Toledo, Ohio, assignor to The Woolson Spice Company, Toledo, Ohio, a corporation of Ohio
Application April 1, 1935, Serial No. 14,046
15 Claims. (Cl. 216—55)



10. In a machine of the class described, means to support a sealed bag having a mouth portion of thermoplastic material, means to place a reinforcing label loosely on the sealed mouth of the bag, means to center said label on the bag, and means to seal said label in place on the bag by the application of heat and pressure.

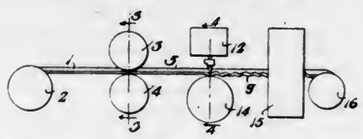
13. In a machine of the class described, means to support a sealed bag, means to hold a stack of labels, means to remove a label from the stack, crease the label and deliver it to the sealed end of the bag, means to center the label on the bag, and means to seal said label in position on the bag.

2,070,391
SOUNDBOARD FOR PIANOS
Paul H. Bilhuber, Douglaston, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York
Application March 7, 1936, Serial No. 67,627
7 Claims. (Cl. 84—192)



1. A soundboard of grand piano shape, having its greatest thickness substantially at its geographical center, and tapering in thickness circumferentially to the edge of the soundboard, said soundboard being flexured and having its upper side convex and its lower side concave, with the fibers of the convex side subjected to stretching and the fibers of the lower side subjected to compression.

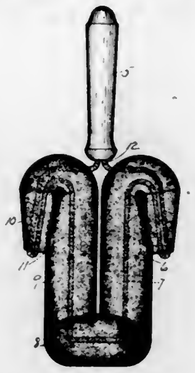
2,070,392
RECORDING AND REPRODUCING SYSTEM
John Bailey Browning, Camden, N. J.
Application July 1, 1931, Serial No. 548,143
9 Claims. (Cl. 274—46)



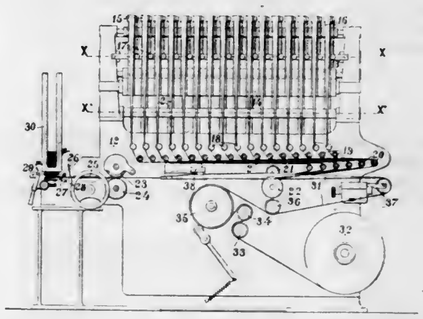
9. A method of recording which consists in moving a thin tape with its edge in contact with a recording tool which is maintained in a plane perpendicular to that of the tape and vibrating said tool in accordance with the impulses to be recorded.

2,070,393
BRUSH
Henry Cave, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application June 9, 1934, Serial No. 729,863
8 Claims. (Cl. 15—206)

1. A brush comprising a twisted wire core with bristles secured thereto, said core being bent intermediate its ends to form a circularly shaped head and said core with the bristles thereon being bent from said head to form an extended bristled body for cleaning purposes composed of two members lying substantially parallel at substantially equal distances from on diametrically opposite sides of the extended axial center of said head, and a holder into which the ends of the core are extended.

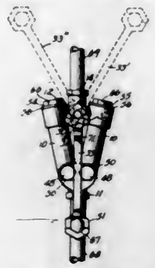


2,070,394
MACHINE FOR THE MANUFACTURE OF SHEET-PAPER BLOCKS
Etienne Danger, Paris, France, assignor to Société Anonyme Usines Decoufle, Paris, France
Application February 15, 1935, Serial No. 6,739
In France February 16, 1934
4 Claims. (Cl. 270—41)



1. A machine of the class described, comprising a frame, a plurality of independent supports for separate reels of paper arranged to be supported at one side of the machine with their axes extending in the direction of length of the machine, guide rollers for training the paper webs upward from their reels and then downwardly, said rollers being mounted on axes parallel with the axes of the reels, other guide rollers, one for each web, positioned below the first named guide rollers for guiding and training the several webs of paper rearwardly of the machine, and additional guide rollers positioned near one end of the machine and about which the webs are trained and by means of which they are caused to travel forward toward the front of the machine, means located in the forward path of travel of the webs for associating them in superposed relation, and means for feeding the superposed webs in a forward direction, all of said rollers, feeding means and web associating means being located on one side of the machine.

2,070,395
COMBINATION STRAINER AND VALVE
Harry C. Easter, Kansas City, Mo.
Application April 5, 1934, Serial No. 719,172
4 Claims. (Cl. 210—168)



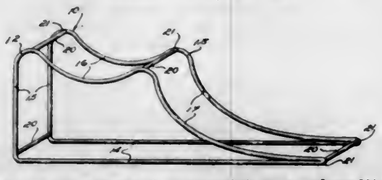
1. In a device of the character described, a body portion having an inlet at one end thereof, and an outlet at the other end thereof, a pair of longitudinal strainer chambers in said body portion, strainers removably mounted therein, a combination selective control and shut-off valve for directing flow of fluid to either of said chambers or shutting off flow of fluid to both thereof, a screw plug in each chamber providing access to said strainers to remove or replace the same, an outlet from each of said chambers leading to the outlet of said body portion and a check valve at each of said outlets, said combination valve having an unsymmetrical end portion thereon and having a detachable elongated wrench-like handle thereon so formed as to engage said end portion of said valve in only one relation, whereby the position thereof indicates the setting of said valve, said handle extending substantially parallel to said body portion and being provided with means adapted to engage said plugs to turn the same.

2,070,396
WELDING TORCH
Earl M. Evleth, Park Ridge, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application December 6, 1933, Serial No. 701,103
8 Claims. (Cl. 158—27.4)



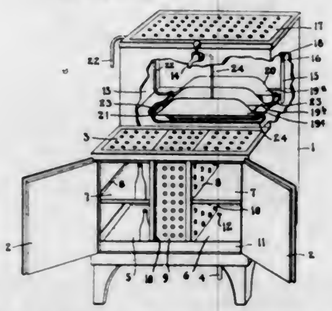
1. In a torch, a handle including an inner member and an outer member each having a longitudinal bore therethrough and each being externally fluted, the inner member being tightly fitted into the outer member, the flutes of the outer member affording a gripping surface and the flutes of the inner member cooperating with the wall of the bore of the outer member to define gas passageways, a valve body screwed onto one end of the outer member and having a taper fit with the projecting end of the inner member, said valve body having passageways communicating respectively with the central bore of the inner member and with the passageways defined by the flutes of the inner member, valves controlling the passageways in the valve body, the inlet ends of said passageways terminating at nipples integral with the body adapted for attachment to gas supply lines.

2,070,397
ARM SUPPORT
Henry S. Fisher, Harrisburg, Pa., assignor of one-half to Anne Norris Sohn, Harrisburg, Pa.
Application February 12, 1934, Serial No. 710,777
2 Claims. (Cl. 27—23)



1. An arm support comprising a plurality of loops of wire each shaped to provide a base portion, an upwardly directed portion, an arm rest portion and a downwardly inclined curved portion, and cross members connected to said loops for maintaining the latter in parallel spaced relation.

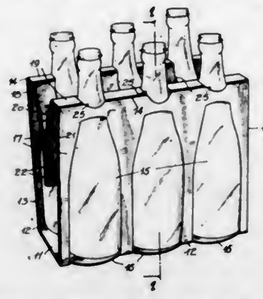
2,070,398
BEVERAGE COOLING APPARATUS
Edward Freund, Long Beach, N. Y.
Application December 11, 1935, Serial No. 53,851
12 Claims. (Cl. 62—148)



1. In a beverage dispenser, the combination of a cooling chamber and beverage conveyer within said chamber, said conveyer comprising a supply tube entering said chamber, a discharge tube for connection to a dispensing faucet, and a flat-sided tubular section of greater length than height and having downwardly tapering ends connected between said tubes.

2,070,399
CONTAINER AND CARRIER FOR BOTTLED GOODS
Thomas H. Goldring, Long Island City, N. Y.; Lillian M. Goldring administratrix of said Thomas H. Goldring, deceased; said Goldring and said administratrix assignors, by direct and mesne assignments, of one-half to Charles E. Culpeper, Norwalk, Conn., and one-half to Claude D. Keith, New York, N. Y.
Application October 3, 1929, Serial No. 396,951
Renewed November 7, 1936
5 Claims. (Cl. 224—45)

1. A collapsible container and carrier for bottles comprising a blank having a plurality of transverse parallel scored lines along which the blank is folded to form a bottom, sides and double hinged portions, the latter adapted to be folded in closed position downwardly between rows of bottles to provide a partition and adapted to be projected upwardly toward each other over the heads of the bottles in open position to form a handle, the sides and adjacent hinged portions



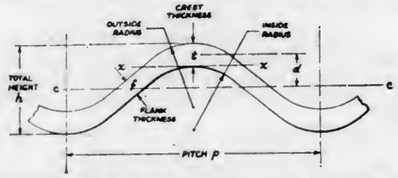
being provided with separate slots to permit portions of the bottles to project therethrough.

2,070,400
ELECTRICAL CONNECTER
Emil Henry Greibach, Brooklyn, N. Y., assignor to Sonotone Corporation, New York, N. Y., a corporation of New York
Application September 1, 1934, Serial No. 742,413
6 Claims. (Cl. 173—332)



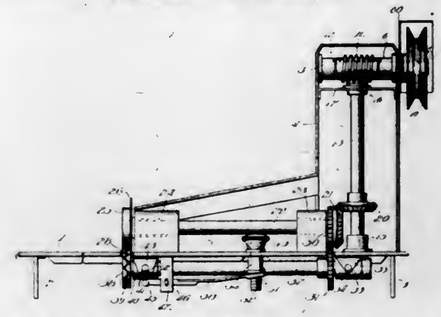
1. In a detachable terminal connection of a cord for an electric instrument subject to handling comprising, in combination with the terminal end of a flexible cord strand having a flexible insulating cover and a flexible conducting core having an exposed end portion folded over the exterior of said cover, an elongated solid conducting plug member having an exposed contact portion on its outward end and a longitudinal deformed cavity at its inward end surrounding and compressing the strand terminal end, and a cover enclosing the inward end of said plug member and the adjoining portion of said strand.

2,070,401
CORRUGATED SHEATHING
Harold W. Greider and John K. Sherman, Jr., Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
Application January 9, 1935, Serial No. 944
15 Claims. (Cl. 108—10)



1. Corrugated asbestos-cement sheathing having a pitch of approximately 5 inches, a crest thickness of approximately .45 inch, a flank thickness of approximately .35 inch, a total height of approximately 1.75 inches, an inside radius of crest of approximately 1.25 inches, and an outside radius of the crest approximately 1.25 inches.

2,070,402
PINKING MACHINE
Harry C. Herschman, Wheaton, Ill.
Application November 14, 1936, Serial No. 110,917
6 Claims. (Cl. 164—64)



1. A machine of the character described comprising a base, a horizontal shaft mounted above said base, a smooth roller carried by said shaft and having a flange at the inner edge thereof only, said roller extending down near the top of said base and the flange extending down through a slot into said base, a second shaft mounted below said base, a pinking cutter carried by said second shaft and having an active cutting portion extending up through said slot in said base and engaging the smooth surface of said roller and means for turning said cutter to pull fabric through between the roller and cutter, the line of engagement between said cutter and smooth roller being just enough above the base to accommodate the fabric operated upon.

2,070,403
EAR FITTING FOR EXCLUDING WATER OR DIMINISHING SOUND
Joseph Percy Hershman, Nottingham, England
Application March 4, 1936, Serial No. 67,079
In Great Britain November 7, 1934
1 Claim. (Cl. 128—151)



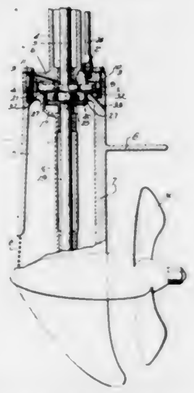
An ear fitting made wholly of fairly soft india-rubber, and formed at one part to an outward shape and proportions corresponding to the anatomical formation of the outer parts of the ear of which the concha, tragus, anti-helix and fossa of the anti-helix form part, and by which the fitting may be fitted in the said outer parts, said fittings being also formed with a hollow lateral part, which, on the fitting being secured to the ear, as aforesaid, lies oppposite to and projects only slightly into the auditory canal of the ear, no part touching the inner walls of such canal; said hollow lateral part at the end nearest the ear drum being closed by a relatively thin wall of the rubber, but open at its other end, and the fitting, as a whole, when in engagement with the outer parts of the ear, completely closing the entrance to the auditory canal, and, in conjunction with the closed end of the hollow lateral part, sealing the entrance to the ear, and for use in manipulating the ear fitting when applying it to the ear, a rubber plug adapted removably to fit the entrance of the hollow lateral part of the fitting.

2,070,404
METATARSAL ARCH SUPPORT
Le Roy Vivien Hiles, London, Ontario, Canada
Application June 17, 1936, Serial No. 85,655
7 Claims. (Cl. 36—71)



1. A metatarsal arch support comprising a pad, a bar for attachment to a sole, and means carried by the pad to enable it to slide along the bar and to be retained in determined locations therealong, said means including a plate having a tit adapted to seat itself in a relatively stationary element.

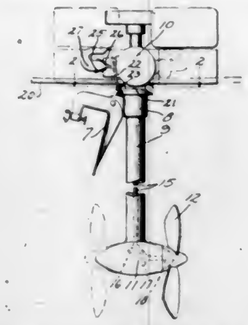
2,070,405
OUTBOARD MOTOR
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application July 1, 1932, Serial No. 620,391
8 Claims. (Cl. 115—17)



4. In an outboard motor, the combination with a driven shaft section and a propeller operatively connected to receive motion therefrom, of a driving shaft section, a pump rotor connected with said driving shaft section, a clutch means directly mounted on said pump rotor, and driven clutch means connected with said driven shaft section and operatively disposed to receive motion from said first mentioned clutch means.

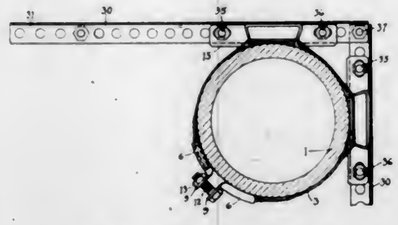
2,070,406
REVERSIBLE OUTBOARD MOTOR
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application February 19, 1934, Serial No. 711,955
2 Claims. (Cl. 115—18)

1. In an outboard motor, the combination of a bracket, an engine and propelling mechanism unitarily swiveled on said bracket for effecting steering and thrust reversing movement, speed control means mounted on said engine and movable to speed retarding position, parts carried respectively by said bracket and engine for developing motion in the course of the reversal of said unit, and a motion transmitting connection from one of said parts to said speed control means



for effecting actuation thereof to a retarded position.

2,070,407
SIGN
Alexander Martin Knauber, Oak Park, Ill.
Application April 2, 1936, Serial No. 72,299
2 Claims. (Cl. 40—145)

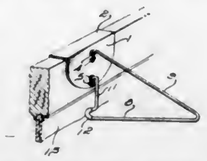


1. A street sign assembly comprising a metal strap adapted to pass around a pole, means for bolting the ends of the strap together, a sign bracket comprising a generally U-shaped portion having arms slotted with the strap adapted to pass through the slots and hold said U-shaped member with the open arms tightly against the pole and the base of the U away from the pole, a flat strap integral with the bottom of said U and being bent up against the two arms, said bent piece being perforated, a sheet metal sign having at least one long edge bent down to form a flange, said edge being perforated at spaced intervals and bolts for supporting said perforated flange on said bent piece from said bracket.

2,070,408
PORTABLE GARMENT HANGER
Nicholas C. Leidgen, Detroit, Mich., assignor of one-sixth to Hugo O. Dietzel and two-thirds to Clarence M. Buchanan, both of Detroit, Mich.
Application August 21, 1935, Serial No. 37,169
2 Claims. (Cl. 211—96)

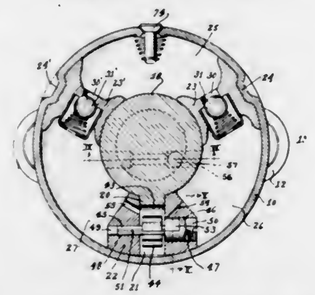
1. In a garment hanger, a sheet metal bracket shaped to engage over the upper edge of a door, a pair of lugs extending outwardly from one side of the bracket and a substantially triangular hanger member pivotally supported in said lugs to turn on a vertical axis, the hanger member being substantially in the form of a right angle triangle and the vertical side of the right angle triangle being pivotally supported in the lugs of

the bracket, the horizontal side of the right angle triangle extending from the door and the angular portion extending from the outer end of the horizontal portion back to the bracket to support the outer end of the horizontal portion, the lower



corner of the triangular hanger member being offset from the vertical side to engage against the face of the door beneath the bracket and a rubber covering extending over said off-set corner.

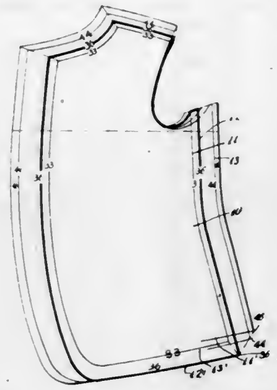
2,070,409
HYDRAULIC SHOCK ABSORBER
Courtney N. Mitchell, Strongsville, Ohio, assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application June 8, 1935, Serial No. 25,529
9 Claims. (Cl. 188—89)



1. In a hydraulic shock absorber, a housing for containing hydraulic fluid, a shaft journalled in said housing concentric therewith, a piston structure between said shaft and cylindrical housing wall and having a radially extending channel therein, a driving wing extending radially from said shaft into said piston channel, said driving wing being cut away to co-operate with said channel to provide a thermostat chamber, a rotary valve journalled in one side of said piston and having a stem extending transversely through said thermostat chamber and journalled in the other side of said piston, a thermostat coil in said chamber connected at one end to the piston structure and at its other end secured to said stem whereby response of said thermostat element to temperature change will cause rotation of said stem and valve, said valve having a metering port, and a fluid flow passageway through said piston from one side to the other thereof controlled by said valve port.

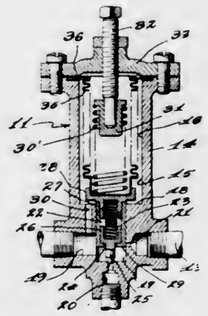
2,070,410
EFFICIENCY GRADED PATTERN
Lucian E. Pilla, New York, N. Y.
Application July 15, 1935, Serial No. 31,381
3 Claims. (Cl. 33—12)

3. A graded pattern, comprising a plurality of superimposed distinctive pieces indicating different sizes of garments, and a means for releasably connecting said pieces to allow a choice of pattern when it is desired to make a garment of a certain size, comprising destructible stickers



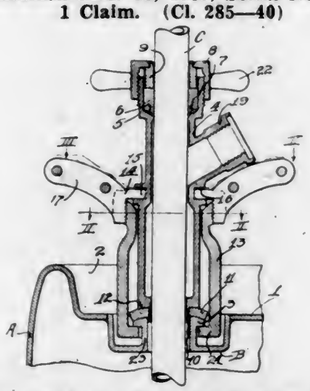
having bent in ends connecting the said superimposed pattern pieces.

2,070,411
PRESSURE REGULATOR
Milton A. Powers, Detroit, Mich.
Application August 5, 1929, Serial No. 383,491
23 Claims. (Cl. 137—153)



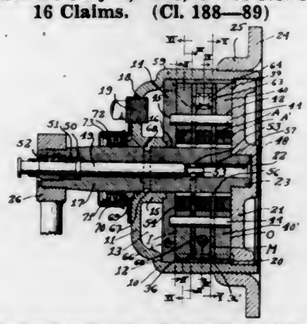
1. A pressure regulator including a casing having a chamber formed with an annular shoulder intermediate the ends thereof and with a reduced portion adjacent one end thereof, said reduced portion being provided with an inlet opening connected to a pressure line and having a by-pass opening and an outlet opening, valve means slidably mounted within the reduced portion and operable to normally close both said outlet and by-pass openings, an enlarged portion carried by the valve means within the enlarged portion of the chamber and engageable with the shoulder therein for restricting movement of the valve means within the reduced portion of the chamber, said enlarged portion upon the valve means being exposed to the pressure at the inlet and operable upon a predetermined pressure to actuate the valve means for opening the outlet and upon an increase in pressure over the predetermined amount to effect a further actuation of the valve means to open said by-pass opening, and resilient means arranged within the enlarged portion of the chamber and engageable with the enlarged portion of the valve means for normally resisting opening of said by-pass and outlet.

2,070,412
TAP
Frank E. Rice, Detroit, Mich., assignor to American Tap-Bush Company, Detroit, Mich., a corporation of Delaware
Application June 15, 1935, Serial No. 26,771
1 Claim. (Cl. 285—40)



A tapping device for use with a barrel having a flanged bush, said device comprising an elongated hollow body having means near the upper end thereof defining a passaged neck for a hose connection, an elongated sleeve having lugs at its lower end to engage the under side of the flange of the bush, said sleeve extending upwardly about said hollow body to approximately the point where said neck extends from said hollow body, and means carried by said hollow body and engaging said sleeve at its upper end for drawing said sleeve into clamping engagement with said bush.

2,070,413
HYDRAULIC SHOCK ABSORBER
Ray A. Sandberg, Waukegan, Ill., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application July 8, 1935, Serial No. 30,317
16 Claims. (Cl. 188—89)



1. In a hydraulic shock absorber of the rotary type, a cylindrical housing, stationary partitions dividing said housing axially into a plurality of hydraulic fluid chambers, a piston unit in each chamber, said piston units being separate members, and a shaft journaled in said housing and mounting said piston units.

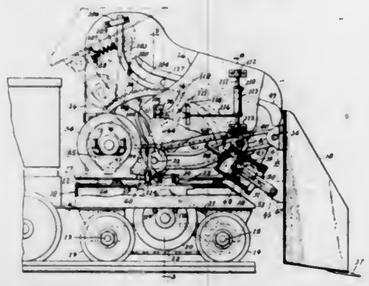
2,070,414
HANDLE FOR PAPER CUPS
George W. Snell, Wichita, Kans.
Application February 1, 1935, Serial No. 4,452
3 Claims. (Cl. 65—61)

1. In a handle for cups, said handle being formed of a single piece of material, circular portions at each end of said handle, an opening in each of said circular portions, and a series of tabs on said circular portions, said tabs being adapted to be bent to outline an opening large enough to



receive a cup, said tabs being adapted to engage said cup as a frictional means of retaining the handle on the cup; finger holds on said circular portions and ribbed means for stiffening said circular portions.

2,070,415
MECHANICAL POWER SHOVEL
Charles E. Stoltz, Chicago, Ill., assignor to Mancha Storage Battery Locomotive Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1935, Serial No. 17,597
8 Claims. (Cl. 214—131)

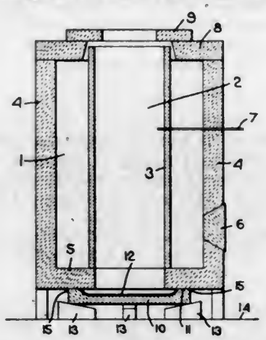


1. In an apparatus of the class described, a frame, a beam horizontally pivoted on said frame, a scoop pivoted on the free end of said beam and depending therefrom, means for swinging said beam, fluid pressure means operable independently of said beam swinging means for pivotally moving said scoop forwardly of said frame for engagement with a pile of loose material comprising a cylinder and piston interposed between said beam and scoop, means for applying pressure to said cylinder including a fluid pressure valve, and means operable upon movement of said beam to a predetermined position for operating said valve and releasing pressure from said cylinder.

2,070,416
HARDENING FURNACE
William Bennett Sturges, Woodmont, Conn., assignor to The Henry G. Thompson & Son Co., New Haven, Conn., a corporation of Connecticut
Application August 13, 1936, Serial No. 95,794
1 Claim. (Cl. 266—5)

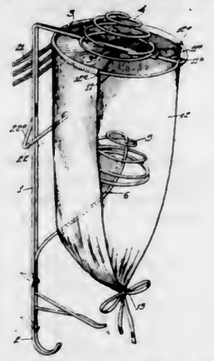
A furnace for hardening high speed steel and similar materials having concentric outer heating and inner hardening chambers separated by a muffle, refractory walls at the bottom of and surrounding the heating chamber, an independent bottom of refractory material fitting against the bottom wall of the heating chamber and forming

the bottom of the hardening chamber, and a plurality of wedges beneath the removable bottom



for supporting and clamping it against said bottom wall.

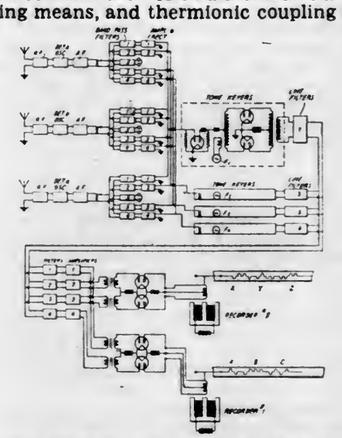
2,070,417
COMBINATION CLOTHES HOLDER
Everett Lorne Whenham, Los Angeles, Calif.
Application May 8, 1934, Serial No. 724,502
12 Claims. (Cl. 312—4)



1. In a device of the class described a unitary vertical support, a hat support extending outwardly and upwardly from the lower end thereof, a second hat support extending outwardly from the upper end thereof and positioned over the first hat support, and a curtain depending from the lateral portion of the second hat support over and around the first hat support.

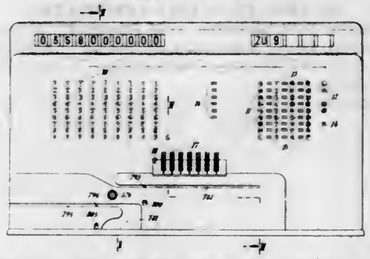
2,070,418
MULTIPLEX CABLE CODE TELEGRAPHY WITH DIVERSITY RECEPTION
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 19, 1933, Serial No. 671,808
10 Claims. (Cl. 250—9)

1. Means for receiving multiplex signals on several channels composed of impulses of different frequencies on each channel comprising, a plurality of signal receiving means located at spaced points, each of said signal receiving means including signal demodulating means, a plurality of filters connected with each demodulating means of each receiver, there being a filter connected with each receiver for each frequency used, signal recording means, a plurality of thermionic oscillators, thermionic blocking means interposed between each of said oscillators and said recording means, and thermionic coupling means



interposed between the filters of said receivers and each of said blocking means.

2,070,419
BOOKKEEPING MACHINE
Bruno Bornkessel, deceased, late of Essen-on-the-Ruhr, Germany, by Martha Bornkessel, administratrix, Essen-on-the-Ruhr, Germany, Ernst Breitling, Wilhelm Brauer, and Karl August Lehmann, Essen, Germany, assignors, by mesne assignments, to The National Cash Register Co., Dayton, Ohio, a corporation of Maryland
Original application February 24, 1925, Serial No. 11,373, Patent No. 1,896,936, dated February 7, 1933. Divided and this application October 25, 1927, Serial No. 228,679. In Great Britain January 19, 1925
20 Claims. (Cl. 235—7)

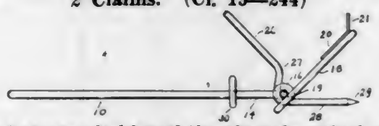


1. In a machine of the class described, a printing mechanism comprising a plurality of sets of types adapted to print at different places, impression devices allotted to the respective sets of types, a driving mechanism for said impression devices; disengageable connections between said driving mechanism and said impression devices, whereby said impression devices are individually coupled to said driving mechanism, and a plurality of differentially movable controlling members jointly cooperating with all said disengageable connections.

13. In a machine of the class described, a totalizer adapted for addition and subtraction, differential actuators for said totalizer, means for relatively adjusting said totalizer and said actuators in dependence upon the sign of an amount comprising a controlling member of unequal contour, a controlling slide, means for impositively urging said controlling slide against said control-

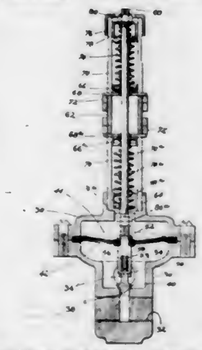
ling member, connections between said controlling slide and the member which is to be moved to determine the relative adjustment of said totalizer and said actuators, a type carrier having a plus sign and a minus sign, and connections between said controlling slide and said type carrier whereby the latter is adjusted in accordance with the relative adjustment of said totalizer and said actuators.

2,070,420
SPONGE HOLDER
Thomas J. Burns, Beloit, Wis.
Application May 20, 1935, Serial No. 22,362
2 Claims. (Cl. 15—244)



1. A sponge holder of the class described, comprising two members, one of said members comprising a handle having at its forward end transversely extending rods, a forwardly extending loop rigidly attached to the ends of said rods and locking means on said handle, the other member comprising two spaced wires forming a lever, each wire having a curve which embraces an adjacent rod forming spaced hinges, and the ends of said wires extending forwardly from said curves forming prongs which are adapted to penetrate a cleaning sponge, said prongs and lever positioned on opposite sides of said first member and shaped whereby a sponge penetrated by said prongs, will be held against the under side of said loop when said lever is moved adjacent the upper side of said handle, said lever when in said adjacent position, adapted to be adjustably engaged by said locking means.

2,070,421
REFRIGERATING APPARATUS
Theodore L. Chisholm and David E. Maccabee, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application July 31, 1929, Serial No. 382,496
10 Claims. (Cl. 137—153)



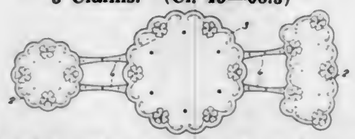
1. A snap-acting pressure responsive actuator comprising in combination a flexible diaphragm adapted to remain flexed in either of two equilibrium positions until snapped to the other position by a change of pressure, and independent means for adjusting the high and low values of pressure for operating the actuator including resilient means tending to move the diaphragm from its low pressure position, a second resilient means independent of the influence of the first resilient means tending to move the diaphragm from its high pressure position, and independent means for preventing at all times the full expansion of said resilient means.

2,070,422
HAIR WAVING APPARATUS
George Decker and Philip D. Spaeth, Jr., Cleveland, Ohio, assignors to The Realistic Permanent Wave Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application January 7, 1932, Serial No. 585,306
10 Claims. (Cl. 132—33)



1. A protector clamp having two elongated arms pivoted together at one end, a link pivoted to the free end of one of the arms, a cam-shaped latch pivoted to the free end of the link, the outer side of the free end of the other arm being recessed so that when the latch engages the last mentioned end it will fit within the recess.

2,070,423
TABLE MAT
Hector Alexander Dick, London, England
Application March 31, 1936, Serial No. 71,848
In Great Britain January 2, 1936
3 Claims. (Cl. 45—68.3)



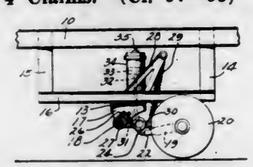
1. A table mat comprising a center mat, a plurality of side mats spaced apart from said center mat when in use and flexible straps connecting said side mats to the center mat and adapted to hold them in the desired spaced relation to said center mat and to be turned back with said side mats and superimposed over said center mat when out of use.

2,070,424
METHOD OF MAKING BUMPER GUARDS
Charles R. Duncan, Waukegan, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application May 3, 1935, Serial No. 19,549
3 Claims. (Cl. 29—152)



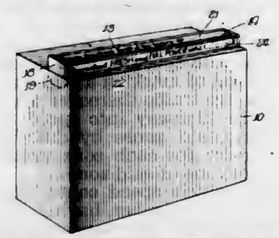
1. The method of making a bumper guard, which comprises stamping a fender portion from sheet metal to form a rear concavity, positioning an attaching boss in said concavity with brazing metal therebetween, deforming an integral portion of said fender portion into engagement with said attaching boss to secure the same in place and heating the assembled parts to a temperature sufficiently high to effect a weld by means of said brazing metal.

2,070,425
DISK PLOW
Hilton G. Engel, Indianapolis, Ind., assignor to The Four Wheel Drive Auto Company, Clintonville, Wis., a corporation of Wisconsin
Application September 30, 1935, Serial No. 42,730
4 Claims. (Cl. 97—53)



1. In a disk plow gang, a plurality of individual disks individually journaled, each in a separate journal support, a frame member to which each of the journal supports is attached and means comprising a resilient member for attaching said journal supports to the frame member, said means providing for resilient vertical movement of the journal support with respect to the frame and comprising the sole support for the journal.

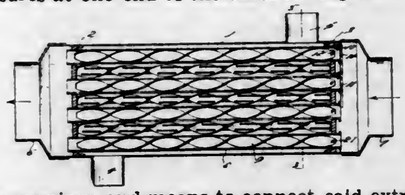
2,070,426
PROTECTIVE SEAL FOR ELECTRIC BATTERIES
Peter J. Faber, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application April 22, 1935, Serial No. 17,577
7 Claims. (Cl. 136—132)



1. A protective seal for an electric battery having exposed conductor-connecting terminals at one face thereof and the zones of conductor engagement of the terminals spaced outwardly from said face; comprising a housing having a wall, said terminals extending through said wall into the housing and locating said zones outwardly from said wall, means anchoring the housing on said battery with the said wall in intimate contact with said battery face about the terminals, and imperforate wall structure on said housing outwardly of and coacting with the said wall to completely enclose said terminals against access to said zones without mutilation of the housing.

2,070,427
HEAT EXTRACTOR
Benjamin Rice Faunce, Riverside, N. J.
Application May 22, 1935, Serial No. 22,735
6 Claims. (Cl. 257—166)

1. In a heat extractor, a shell having a cold air inlet, and a hot air outlet, heads at the ends of the shell, tubes extending through said heads, flat twisted heat absorbing strips in said tubes, closures at one end of the tubes having different



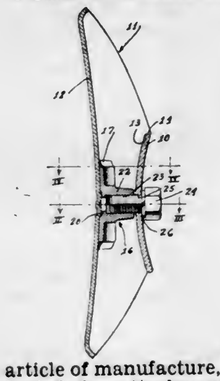
size openings and means to connect said extractor in the discharge line of a heater.

2,070,428
COMPOSITION FUEL
Frederick H. Ford, Waupun, Wis., assignor to The Shaler Company, Waupun, Wis., a corporation of Delaware
Application July 26, 1934, Serial No. 737,054
2 Claims. (Cl. 44—3)



2. A composition fuel for the pan-like platens of portable repair vulcanizers, comprising the combination of a plurality of superposed imperforate plies of combustible fibrous material impregnated with self-oxygenating material and formed to substantially fit within such pan-like platens, said plies being of substantially the same size and adapted to cooperate with the walls of such a platen to substantially exclude air from all but the top surface of the unit during combustion, and said plies being cementitiously connected with each other by a bonding agent of silicate of soda adapted to impart rigidity to the plies, delay the vertical spread of combustion from one ply to another sufficiently to horizontally enlarge the area within which combustion is taking place preparatory to the downward spread of combustion from the top ply to the next, whereby a substantially predetermined number of heat units may be delivered through all portions of the bottom of the platen while the lower ply is being consumed.

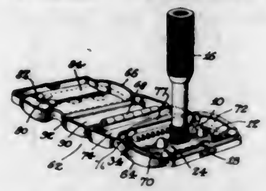
2,070,429
BUMPER GUARD
Oscar F. Gottlieb, Lake Bluff, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application January 5, 1935, Serial No. 527
9 Claims. (Cl. 293—55)



1. As an article of manufacture, a vehicle guard member adapted for attachment in a vertical

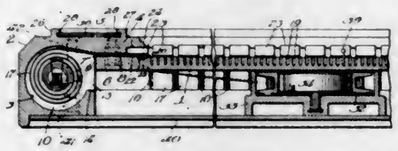
position to a vehicle bumper member, said guard member comprising a part having its rear side recessed and an attaching part disposed in the recess of the first part, and being welded to the recessed part so as to be integral therewith, one of said parts having a male portion and the other part having a female portion interfitting with said male portion for locating the attaching part in a predetermined position with respect to the recessed part independently of the bumper member and prior to its being welded thereto.

2,070,430
SAFETY RAZOR CONTAINER
Walfrid Wallenthin, Attleboro, Mass.
Original application July 13, 1933, Serial No. 680,188. Divided and this application May 15, 1935, Serial No. 21,600
8 Claims. (Cl. 206—16)



8. A fashioned pocket container for a disassembled safety razor comprising two similarly shaped halves similarly stamped from like material and hingedly connected together, one having a hemi-handle holding compartment and safety razor head holding compartment separated from said hemi-handle holding compartment by a wall at least partially shaped from the material of said half, said compartments comprising substantially the entire area of said half and the other half having a similarly disposed cooperating hemi-handle holding compartment and a similarly disposed cooperating spare razor blade holding compartment also separated by a wall at least partially shaped from the material of said half, said compartments also comprising substantially the entire area of said half, said hemi-handle holding compartment and space razor blade holding compartment being similarly arranged to be respectively opposite the hemi-handle holding compartment and razor blade head holding compartment of said front half when said pocket container is in closed position.

2,070,431
CHART BOARD
Alfred A. Hoppmann, Chicago, Ill.
Application December 11, 1935, Serial No. 53,894
13 Claims. (Cl. 116—130)



1. A device of the character described, comprising a board, tapes of the type that may be rolled up but which are stiff and bar-like when straightened, and means to support each of the tapes in the form of a roll positioned near one edge of the board while permitting any desired length thereof to be unrolled and be stretched across the face of the board.

2,070,432
SPEED CONTROL SYSTEM FOR AUTOMOTIVE VEHICLES
John J. Huebscher, Minneapolis, Minn., assignor to Zone-O-Trol Corporation of America, Inc., Minneapolis, Minn., a corporation of Minnesota
Application January 17, 1936, Serial No. 59,639
12 Claims. (Cl. 177—311.5)



1. The method of regulating automotive traffic on a highway traveled over by a vehicle having a selectively adjustable speed limiting device and an individual signal for each speed limit, which consists in marking the highway off into different speed limit zones by different colored areas, one color for each zone visible through substantial portions of said zone, manually adjusting the speed control device to correspond to the speed limit indicated in the zone being traversed, and displaying a signal on said vehicle which is visible outside the same corresponding to the speed limit signal of the last said zone and to the particular adjustment of said speed control device.

4. The method of marking a highway for regulating automotive traffic thereover which consists in dividing the highway into speed limit zones and indicating said zones by different colored signals, one color for each zone visible through substantial portions of said zone.

8. A motor vehicle speed control device comprising a movable member having an operative connection adapted to be connected with the vehicle engine to control the amount of fuel fed to the engine, means tending to return said movable member to a low speed position to permit a relatively small amount of fuel to be fed to the engine but being movable manually to predetermined higher speed positions to permit greater amounts of fuel to be fed to the engine up to that giving the selected higher speed, electromagnetic means for retaining said movable member in the selected higher speed position, and manually operable means for rendering said electromagnetic means inoperative and releasing said movable member to permit it to return to a selected lower speed position.

2,070,433
THERMOSTAT
Ronald Purvis Jameson, Christchurch, New Zealand
Application September 25, 1935, Serial No. 42,151
In Australia October 10, 1934
14 Claims. (Cl. 200—137)

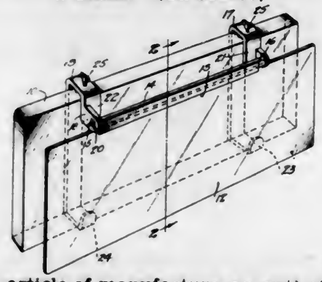
1. A thermostatic device comprising a main expanding element, a pair of contact control

members parallel one with the other and each supported at the same end by said main expansive element; contacts on the free ends of the members, tension means operating the supported ends of said members tending to retain their contact ends apart, adjusting means to in-



dependently retain said members in an adjusted closed position so that when said main expanding element expands, the contact control members are permitted to move apart under their own tension to break or make contacts connected to the electrical circuits.

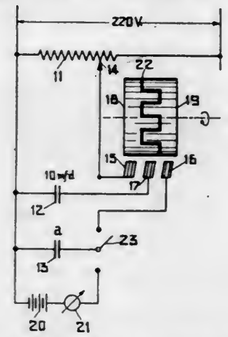
2,070,434
ANTIGLARE VISOR FOR REAR VIEW MIRRORS
William Kangas, Hibbing, Minn.
Application April 11, 1935, Serial No. 15,867
1 Claim. (Cl. 88—77)



As an article of manufacture, an anti-glare attachment adapted to fit rear view mirrors of varying sizes; said attachment comprising a colored semi-transparent visor screen, a hinge body gripping one edge of said screen, a pintle extending through said hinge body, a pair of one-piece resilient metallic clamps each extending upwardly from the upper front edge of the rear view mirror over the top of the rear view mirror down along the back of the rear view mirror in contact therewith, under the lower edge of the rear view mirror in contact therewith, and upwardly along the front of the rear view mirror a short distance above the lower edge, and terminating in an angularly extending finger, a vertical apertured ear extending forwardly at right angles from the upper front end of each of the said clamps, a winged set screw threaded through each metallic clamp through the portion spaced over the top of the rear view mirror to adjustably fasten the clamp to the mirror, said pintle extending at each end through one of said ears to thereby secure said pintle and hinge body between said ears and pivotally hold said visor screen in front of the mirror, said pintle being threaded at one end and nut means on said threaded end for adjusting the friction to hold said visor screen at any desired angle.

2,070,435
ELECTRIC CONDENSER
Jacob Katzman, Brooklyn, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y., a corporation of Delaware
Application August 1, 1933, Serial No. 683,113
10 Claims. (Cl. 175—41)

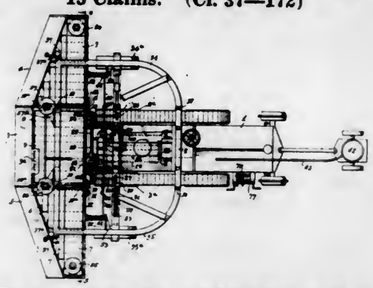
1. A condenser having a thin single layer combustible dielectric in which conducting particles are imbedded and thin metal foil armatures separate from the dielectric having the portion surrounding said conducting particles removed, said di-electric and foil being comparable in thickness.



7. An electrical condenser comprising alternate layers of thin metallic armatures and a single separate sheet of paper dielectric between said armatures, said foil being in the range of .0075 millimeter in thickness and said single separate sheets being in the range of .0125 millimeter in thickness, the over-all thickness of dielectric in said condenser being substantially equal to the thickness of said paper sheet, and said armatures having openings around the points where short circuits are likely to occur.

8. The method of burning out a condenser which comprises alternately charging another condenser of greater capacity and suddenly discharging the same through the condenser being treated, and repeating said charging and discharging with gradually increasing voltages.

2,070,436
TERRACER
Ausbie L. Kennedy, Niota, Tenn.
Application May 11, 1935, Serial No. 21,038
15 Claims. (Cl. 37—172)

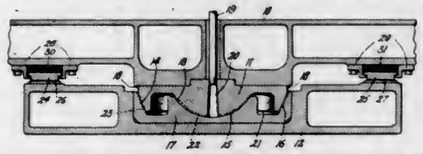


1. In a terracer, the combination of a middle frame, a plow tiltably mounted on said frame for rearward and downward tilting movement, side frames pivotally connected with the middle frame, side plows laterally tiltable on the side frames for rearward and downward tilting movement, and means for attaching the middle frame to a tractor.

2,070,437
CENTER BEARING
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application August 27, 1935, Serial No. 38,042
4 Claims. (Cl. 308—137)

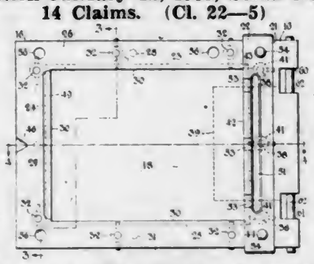
1. A center bearing for railway locomotives or cars including a bearing plate having a plu-

rality of concentric spherical bearing surfaces of different radii, and a second bearing plate having spherical bearing surfaces complementary to the bearing surfaces of said first mentioned bearing plate arranged to support the same, the central bearing surface of smaller radius being



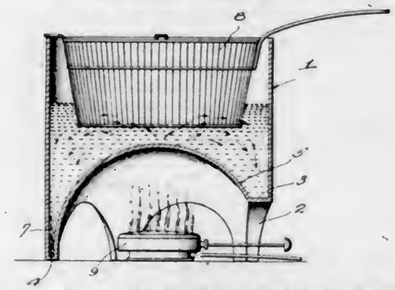
arranged to support the major portion of the vertical load and the bearing surface of larger radius being arranged about said central bearing surface and arranged to take up the longitudinal and lateral thrust and the remaining portion of the vertical load.

2,070,438
STEREOTYPE MOLD
Torbjorn C. Korsmo, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a corporation of Wisconsin
Application January 12, 1935, Serial No. 1,575
14 Claims. (Cl. 22—5)



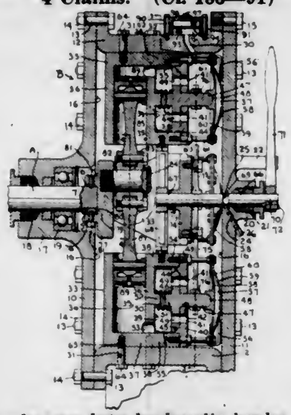
13. The combination in a stereotype die of a pair of coacting die parts; means adjustably mounted on one of said die parts for clamping a matrix thereon along all except one edge thereof; and means on the other die part clamping the remaining edge of the matrix to the first-mentioned die part when the die is closed.

2,070,439
DEEP FAT FRYER
Peter J. Legeros, Brookings, S. Dak.
Application August 29, 1936, Serial No. 98,572
2 Claims. (Cl. 53—7)



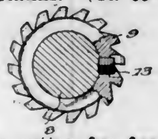
1. A cooking utensil of the character described comprising a body having a straight vertical wall, a bottom having an overall diameter less than the interior diameter of the body and having a bottom edge in the same plane as the lower edge of the body, said bottom being of a design to extend upwardly a substantial distance into the body and having its highest point at the central part of the body, said body wall and bottom having coinciding openings in the lower edges thereof and connecting portions between the lower edges of the bottom and the body and between the adjacent edges of said openings, said bottom and body adjacent their lower edges being in relatively closely spaced relation whereby to form a receiving means for food particles.

2,070,440
HYDRAULIC BRAKE
Arthur B. Maddin, Tulsa, Okla.
Application April 27, 1936, Serial No. 76,681
4 Claims. (Cl. 188—91)



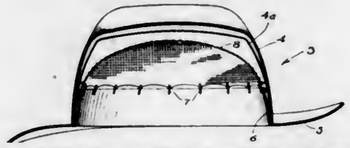
1. In a heavy duty hydraulic brake for opposing the rotation of a rotary element, a substantially stationary housing including end walls and a cylindrical wall defining a reservoir and also having a plurality of spaced apart radially disposed cylinder blocks, each containing a piston chamber having communication with said reservoir, including a port, said blocks having a wall in abutment with said cylindrical wall and secured thereto, means bracing said cylinder blocks, including a spider having arms secured to said blocks and extending from a central opening in said spider, pistons slidable within said chambers and provided with rods, means within said reservoir operatively connecting said rods with said rotary element, a separate valve for each of said ports, and operating means for operating each valve in unison with the other, including a second rotary element disposed co-axial with said first named rotary element, extending at one end exteriorly of said housing and extending at the other end into said housing and into the central opening in said spider.

2,070,441
ROUGHING CUTTER
Roy F. McClenathan, Erie, Pa., assignor to Lamac Process Company, Erie, Pa., a corporation
Application October 30, 1934, Serial No. 750,745
4 Claims. (Cl. 69—1)



1. A roughing cutter for forming grooves in shoe soles including a rotatable shaft equipped with a cutter cylinder, rows of teeth arranged at intervals around the cylinder, each tooth of each row being spaced from the next adjacent tooth and bent toward one end of the cylinder.

2,070,442
ARTICLE OF HEADWEAR
Arnold S. McDonald, New York, N. Y.
Application October 23, 1935, Serial No. 46,420
1 Claim. (Cl. 2—190)

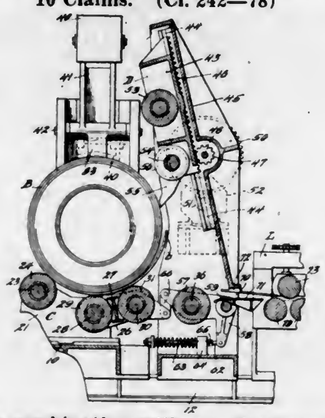


The combination with an article of headwear having a high crown and a sweatband therein, of an auxiliary protector of retiform structure removably secured at its periphery to said sweatband and adapted to conform to the head of the wearer in spaced relation to said crown, and attachment means engaging said protector and said hatband comprising a C-hook engaging said retiform protector in a void thereof and being pointed at one end to piercingly engage said hatband.

2,070,443
METHOD FOR CURING POLY VINYL HALIDES
Randolph W. McGahey, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 20, 1935, Serial No. 17,490
16 Claims. (Cl. 260—2)

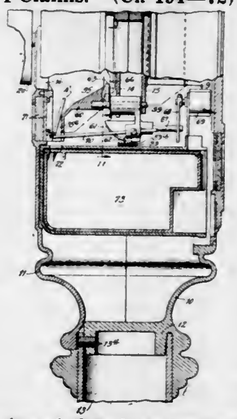
5. The method which comprises mixing polymerized vinyl chloride, a plasticizer and a small proportion of a water soluble sulphide in the presence of water, and heating.

2,070,444
STRIP UNCOILING MACHINE
Erik W. Mikaelson, Easton, Pa., and Alexander K. Hamilton, Chicago, Ill., assignors to Treadwell Engineering Company, Easton, Pa., a corporation of Pennsylvania
Application July 20, 1934, Serial No. 736,252
10 Claims. (Cl. 242—78)



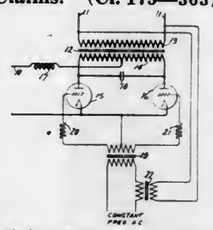
1. The combination with a coil support, of a head movable in a fixed path, a shaft mounted on said head, wedge members and rollers mounted on said shaft, and means for moving the head and causing the wedge members and rollers to successively contact with the outer free end of a coil mounted on the support, the rollers being freely rotatable on the shaft.

2,070,445
PARKING METER
Samuel Lee Miller, Maywood, and Richard C. Cook, Chicago, Ill., assignors to Miller Meters Inc., Chicago, Ill., a corporation of Illinois
Application July 30, 1936, Serial No. 93,356
4 Claims. (Cl. 194—72)



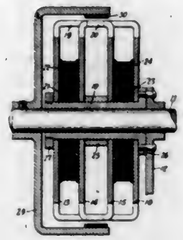
1. In a device of the class described, a timing mechanism, means operable by a coin for setting the timing mechanism to run a predetermined length of time, a magazine for holding a number of tokens, and means operable by the first mentioned means for issuing a token on each setting of the timing mechanism.

2,070,446
THYRATRON INVERTER STABILIZER
Albert H. Mittag, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 29, 1934, Serial No. 746,151
4 Claims. (Cl. 175—363)



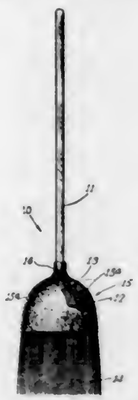
1. In an electric translating circuit the combination of a direct current supply circuit, an alternating current output circuit, an electric valve inverter for transmitting energy therebetween, said inverter including a plurality of electric valves provided with control elements and symmetrical control circuits, a source of constant frequency alternating current of relatively low power output, and means for energizing said control circuits with energy derived partly from said output circuit and principally from said source of alternating current, said combined energy producing a component having a substantially constant phase relation with respect to said output voltage.

2,070,447
ALTERNATING-CURRENT MOTOR
Wayne J. Morrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application February 4, 1936, Serial No. 62,281
6 Claims. (Cl. 172—278)



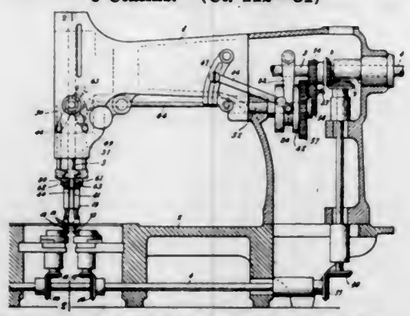
1. An alternating-current motor comprising two magnetically independent stator magnetic circuits, each having a single-phase energizing coil and each having a plurality of pole pieces of opposite magnetic polarity uniformly and alternately spaced in a circular formation with the pole pieces of one magnetic circuit lying between the pole pieces of the other magnetic circuit in said circular formation, means for energizing said coils with out-of-phase alternating currents of the same frequency, and a rotor influenced by the combined field from said pole pieces.

2,070,448
BROOM HOLDER
John Charles Nork, Mahanoy City, Pa.
Application May 25, 1936, Serial No. 81,697
1 Claim. (Cl. 15—168)



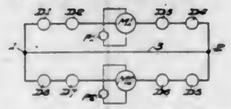
As a new article of manufacture, a broom protector for the upper half of the broom made of a single piece of readily stretchable rubber, said protector being normally of a size less than the width of the broom with which it is to be used and being characterized by a U-shaped portion adapted to fit over the body of the broom, said portion being open at the bottom and having opposite parallel walls, said walls being interconnected by wall portions of curved cross section, and a neck portion constituting an upper continuation of said parallel walls and wall portions of curved cross section, said neck portion being adapted to receive the handle of a broom.

2,070,449
EMBROIDERY AND HEMSTITCHING MACHINE
Jacques Ollendorff, Paris, France, assignor to Anciens Etablissements R. Cornely & Cie., Societe Anonyme, Paris, France, a company of France
Application October 5, 1934, Serial No. 747,062
In France October 6, 1933
6 Claims. (Cl. 112—81)



1. A machine of the type described which comprises, in combination, a frame, a main shaft journalled in said frame, a needle carrier movable vertically in said frame, means operative by said main shaft for reciprocating said needle carrier in the vertical direction with respect to said frame, at least one needle pivoted to said carrier about a horizontal axis, means, including a cam driven by said main shaft at a speed equal to one eighth of the speed of revolution of said main shaft, for oscillating said needle with respect to said carrier, at least one hook, rotatable in said frame and adapted to cooperate with said needle, operatively connected with said shaft, a feeder movable in said frame both vertically and horizontally, the latter movement being in a direction parallel to the axis of oscillation of said needle, means, including a cam driven by said shaft at a speed equal to one eighth of the speed of revolution of said shaft, for imparting up and down movements to said feeder, and means, including a cam driven by said shaft at a speed equal to one eighth of the speed of revolution of said shaft, for imparting horizontal displacements to said feeder.

2,070,450
DIRECT ELECTRIC GENERATOR AND TRANSFORMER AND CIRCUIT ARRANGEMENT THEREFOR
Giuseppe M. Pestarini, Sheffield, England
Application May 2, 1934, Serial No. 723,569
In Great Britain April 28, 1933
15 Claims. (Cl. 172—239)

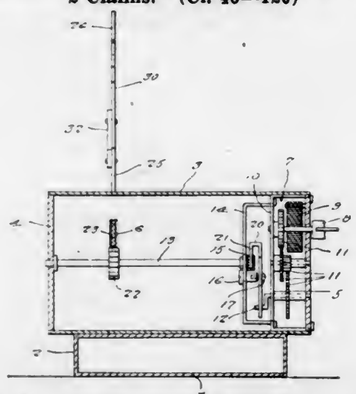


1. A power system including a plurality of constant current electrical power generating units, an electrical load, means for connecting said generating units and said electrical load in series circuit relation, and means for proportioning the voltage supplied by each of said generating units in accordance with variations in said load in the proportion of the power generating capacity of each of said generating units to the power generating capacity of all of said units.

2,070,451
HARD METAL ALLOY
Alan Richard Powell and Ernest Robert Box, London, England, assignors to Johnson Matthey & Company Limited, London, England, a British company
No Drawing. Application October 4, 1933, Serial No. 692,219. In Great Britain October 11, 1932
9 Claims. (Cl. 75—172)

1. A hard metal alloy of the kind defined consisting of 40 to 94.5% of at least one metal of the group consisting of osmiridium, osmium, and ruthenium together with at least one hardening agent of each of the following groups: 3 to 25% of (*a*) cobalt and nickel, an appreciable but effective amount up to 40% of (*b*) tungsten and 0.5 to 5% of (*c*) boron.

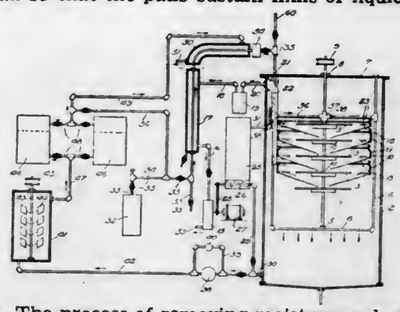
2,070,452
FIGURE TOY
Willie Lewis Pryor, Waugh, Va.
Application October 22, 1936, Serial No. 107,094
2 Claims. (Cl. 46—120)



1. A figure toy of the class described comprising an elongated base including a raised, substantially trough-shaped transversely extending intermediate portion, a tube mounted on said raised portion and representing a log, said tube being closed at its ends and having aligned openings therein at an intermediate point, a spring motor mounted in the tube on one of the end walls thereof, said spring motor including a frame, a bracket mouted on said frame, a shaft journaled in said bracket and in the other end wall of the tube, a plate mounted for swinging movement on the bracket, said plate having a slot therein, a crankshaft driven by the spring motor and engaged in the slot for oscillating the plate, a substantially segmental gear on the plate, a gear on the shaft driven by the first named gear, a gear fixed on the shaft at an intermediate point, a rack bar extending slidably through the openings and engaged with the last named gear for reciprocation thereby, said rack bar representing a saw, and animated figures mounted on the base on opposite sides of the tube and connected to the ends of the saw for actuation thereby.

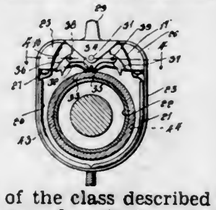
2,070,453
PROCESS AND APPARATUS FOR PURIFYING LIQUIDS
Clarence J. Rodman, Alliance, Ohio
Application March 18, 1929, Serial No. 347,973
Renewed December 10, 1931
18 Claims. (Cl. 196—16)

3. In an apparatus for purifying liquids, a tank, means for maintaining reduced pressure therein, a plurality of discs rotatably mounted in said tank, means for rotating the discs, and collector pans in the tank for collecting liquid projected from one disc and delivering it onto another disc, portions of said collector pans being perforated, the perforations of the pans being sufficiently small so that the pans sustain films of liquid.



8. The process of removing moisture and gases from liquids, which comprises distributing the liquid centrifugally in a thin film while exposing both surfaces of the film to a rarified atmosphere, dividing the liquid into particles, collecting the particles, and flowing the collected particles in film form with both surfaces of the film exposed to the rarified atmosphere.

2,070,454
AUTOMATIC TRAFFIC SIGNAL SWITCH
Clyde M. Rushing, Bozeman, Mont.
Application April 28, 1936, Serial No. 76,809
2 Claims. (Cl. 200—59)



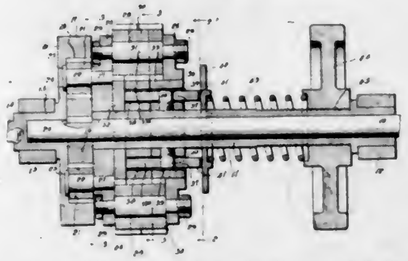
1. A device of the class described having contact means, a second contact means, said contact means being adapted to close circuits through signals, a lever, a closing contact arm for one contact means, a closing contact arm for the other contact means, said contact arms being pivoted to the lever, means urging the contact arms to positions for engagement with the respective contact means according to the direction of movement of said lever, in combination with a turnable part to engage one arm while the other arm is in circuit closing position, and vice versa, to restore the lever to normal position, blocks carrying the contact means, a spring bar to maintain the lever in different positions secured to said blocks, a binding post securing the contact means to the blocks, said bar having a depression, and said lever having a roller pivoted thereto and co-acting with the depression.

2,070,455
ICE CREAM
Clarence G. Spalding, Milford, Conn.
No Drawing. Application March 30, 1934, Serial No. 718,216
2 Claims. (Cl. 99—136)

1. An improved ice cream having in addition to the usual ingredients, such as cream, milk, sugar, flavor, etc., and including a small amount

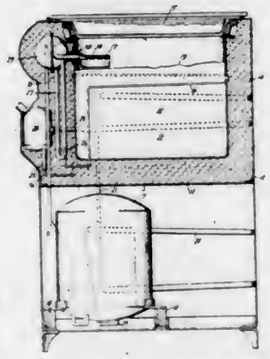
of gelatin, an amount of pectin sufficient to give to the undigested residue of the ordinary ice cream constituents a desirable bulk to facilitate elimination of the undigested residue of the normal ice cream constituents, the amount of pectin being around 1 to 2 ounces per gallon of the ice cream.

2,070,456
TRANSMISSION MECHANISM
Edmund S. Spinney, Attleboro, Mass.
Application March 17, 1936, Serial No. 69,406
9 Claims. (Cl. 74—292)



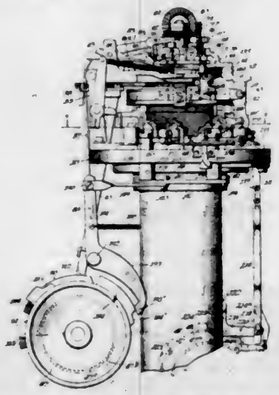
1. Transmission mechanism comprising alined drive and driven shafts, variable speed gear devices between the shafts including a planetary gear train adapted for direct driving connection between the shafts and normally inoperative to effect the transmission of power from the drive to the driven shaft, and a second planetary gear train associated with the aforesaid train and embodying means adapted to be operated for rendering the first gear train operative for the transmission of power, said means including a three-part sun gear of the second gear train and means for rotatably moving the intermediate part relative to the other parts to effect binding action between the three-part sun gear and planetary gears for holding the second planetary gear train against rotation.

2,070,457
EVAPORATOR FOR REFRIGERATING MACHINES
Christian Steenstrup, Schnectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 6, 1934, Serial No. 756,244
6 Claims. (Cl. 62—99)



1. A flooded evaporator for refrigerating machines including a metal wall constituting a portion of the liner of a compartment to be cooled, means including a refrigerant conduit secured in heat exchange relation to said wall for cooling said compartment, means including a shelf having a refrigerant passage therein for supporting freezing trays and the like within said compartment, said shelf being arranged in the upper portion of said compartment and being spaced from said wall to provide circulation of air through said compartment and between said shelf and said wall, means including a refrigerant containing header for flooding the passage in said shelf, means including tubes for providing communication between said header and both ends of the passage in said shelf, and means providing communication between said conduit and one of said tubes for inducing a circulation of refrigerant through said shelf and for producing recirculation of refrigerant through said header and said shelf.

2,070,458
KNITTING MACHINE
Edward H. Steere, Asheboro, N. C., assignor of one-half to Chisolm C. Cranford, Asheboro, N. C.
Application February 5, 1935, Serial No. 5,122
4 Claims. (Cl. 66—8)

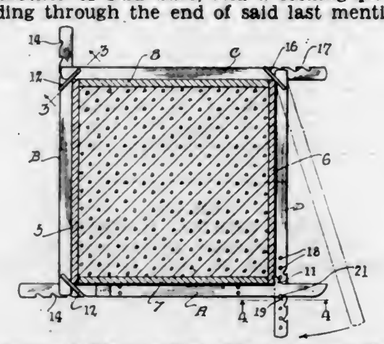


2. The combination with a circular hosiery knitting machine having a needle cylinder and a main knitting station with yarn feeding means and knitting cam mechanisms, of a plurality of auxiliary knitting stations with yarn feeding means and knitting cam mechanisms at each of the same, means for concomitantly throwing in or out the feeding means and cam mechanisms at all the auxiliary stations, and means for throwing in or out said means and mechanisms at one of the auxiliary stations independently of those at another auxiliary station.

2,070,459
CLAMP
Henry A. Tildsley, Albany, Calif.
Application November 27, 1935, Serial No. 51,946
2 Claims. (Cl. 144—291)

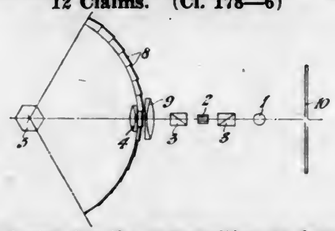
1. In a device of the class described, a plurality of bars, means forming a clamp for concrete forms comprising means for hinging certain of said bars to the next succeeding bar, comprising links pivoted in the ends of the bars and capable of engaging notches formed in the opposite ends of adjacent bars, one of said bars having a bifurcated end capable of receiving the free end

of another of said bars, and a locking pin extending through the end of said last mentioned



bar and capable of adjustably retaining the bifurcated bar securely against the form.

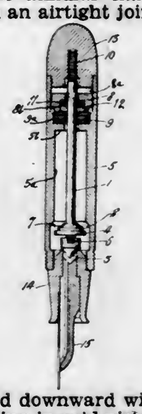
2,070,460
SCANNING DEVICE
Ernest Traub, London, England
Application September 13, 1934, Serial No. 743,915
In Great Britain September 18, 1933
12 Claims. (Cl. 178—6)



1. A device for the composition or decomposition of pictures comprising means for projecting a beam of light, a rotating member, a set of rotating reflecting surfaces on said rotating member located in the path of said beam and adapted to reflect said beam of light at an angle, a set of stationary reflecting surfaces located in the path of the beam from said set of rotating reflecting surfaces and adapted to reflect said beam of light at an angle, a second set of rotating reflecting surfaces on said rotating member located in the path of the beam from said stationary reflecting surfaces and adapted to reflect said beam of light at an angle, means to receive the beam from said second set of rotating reflecting surfaces, the rotating reflecting surfaces of one of said sets being each inclined at an angle to the axis of rotation different from the angle at which the other surfaces of said set are inclined thereto, and the rotating reflecting surfaces of the other set being arranged parallel to said axis of rotation and at uniform angles to each other.

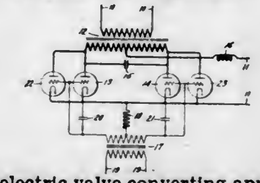
2,070,461
PISTON FOUNTAIN PEN
Asahi Watanabe, Toshimaku, Tokyo, Japan, assignor to The Namiki Manufacturing Company Limited, Tokyo, Japan
Application July 16, 1935, Serial No. 31,566
1 Claim. (Cl. 120—47)

In a piston fountain pen, a piston rod provided at its lower end with two longitudinally spaced stop members, the upper member being recessed on its underside to provide a continuous annular flange and the lower member having radial discharge grooves on its upper face and a piston comprising an annular disc of soft rubber located between said stop members and limited thereby to a predetermined amount of longitudinal movement, said soft rubber disc being adapted to cooperate with the annular flange of said upper member to form an airtight joint when the upper



member is forced downward with the piston rod, the central opening in said piston disc being larger than the piston rod and adapted to cooperate with the radial grooves in said lower member to permit the passage of fluid therethrough when the lower member is moved upward by the piston rod.

2,070,462
PARALLEL OPERATION OF THYRATRONS
William C. White, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 17, 1935, Serial No. 2,886
2 Claims. (Cl. 175—363)

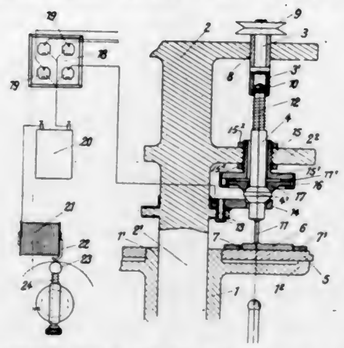


1. In an electric valve converting apparatus, an inductive winding, means for commutating current between said winding terminals, a pair of valves connected to each winding terminal, said pair of electric valves each having a control electrode and containing an ionizable medium and being connected in like manner in parallel to each other, like electrodes of said valves being connected directly together, means for energizing simultaneously said control electrodes, said valves being characterized in that the starting voltage drop across each valve is higher than the normal operating voltage drop whereby only one of said valves operates to carry the normal load current of said converting apparatus and both of said valves operate to carry current in excess of said normal load current.

2,070,463
DRILLING MACHINE
Hugo Allemann, Bettlach, Switzerland
Application November 15, 1935, Serial No. 50,049
In Switzerland January 6, 1934
8 Claims. (Cl. 77—5)

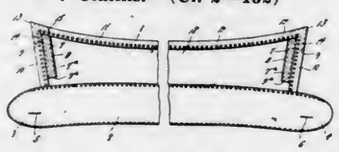
1. A drilling machine as described, comprising a frame, a drill holder guided in said frame and capable of axial up and down movement, at least

one spindle vertically secured to said holder and freely movable at one end and displaceably guided on the other, a drill attached to the lower end of the spindle, a rotatable table connected with the frame for holding at least one work piece having a plurality of center points thereon, and a movable



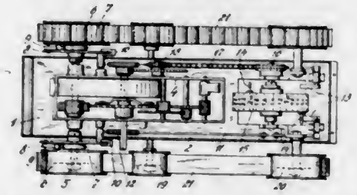
self-adjusting guide for the spindle, said drill on contacting with the work piece being brought by said guide into a working position in one of said center points of the work piece and returned to a normal vertical position on being lifted from the work piece.

2,070,464
COLLAR
Claude Wilford Barrow, Christchurch, New Zealand, assignor to Lichfield Shirts Limited, Christchurch, New Zealand, a company of New Zealand
Application April 21, 1936, Serial No. 75,628
In New Zealand April 17, 1935
7 Claims. (Cl. 2—132)



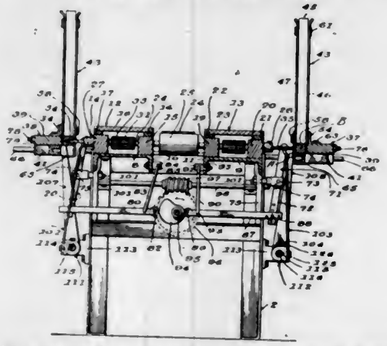
1. A collar comprising a top portion, a band portion, said top portion having peaks, a stiffener, a casing for said stiffener and said casing at one end thereof being secured to one of said peaks and having the greater portion thereof free and extending parallel and adjacent to the end of said top portion.

2,070,465
TOY VEHICLE
Ludwig Carl, Nuremberg, Germany, assignor to Ernst Horn, Nuremberg, Germany
Application July 2, 1936, Serial No. 88,681
In Germany January 10, 1936
9 Claims. (Cl. 46—213)



1. A toy vehicle comprising a driving mechanism for normally imparting forward motion to said vehicle, a control device associated with said driving mechanism to convert said forward motion into a turning motion, an adjusting means for said control device, means by which the control device may be operated when predetermined distances have been traveled by the vehicle, and means for determining the location of the said adjusting means to cause the aforesaid operations according to the distance traveled by the vehicle.

2,070,466
GANG-BORING MACHINE
Ose F. Carpenter, Brightwood, Va.
Application June 30, 1936, Serial No. 88,227
11 Claims. (Cl. 144—110)

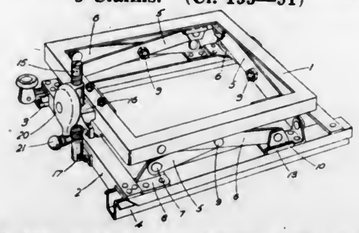


1. In a gang-boring machine, a slidably mounted work-feeder structure having means for slidably supporting the work to be acted upon in superimposed stack-like relation, means for shifting said structure in an inward direction to dispose the next to the lowermost piece of work of the stack in a position to be acted upon by boring tools, means arranged in the path of said structure, when the latter moves inwardly for discharging the lowermost piece of work from said structure to provide for the other piece of work, after being acted upon, to constitute the bottom piece of work of the stack when said structure is moved outwardly, means arranged in the path of said structure, when the latter moves inwardly for truing the said piece of work to be acted upon and constituting a support for the latter during the discharge of the said lowermost piece of work, and said means for shifting said structure inwardly providing for the shifting of said structure outwardly on the completion of the said other piece of work.

2,070,467
PRINTING COMPOSITION AND PROCESS
Ivan F. Chambers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 9, 1934, Serial No. 724,833
19 Claims. (Cl. 8—6)

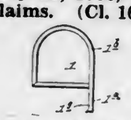
14. A printing paste comprising a dispersed water-insoluble vat dye, a reducing agent which is adapted to reduce said dye to its leuco derivative on heating, and a dispersion of a white, water-insoluble organic pigment selected from the class consisting of organic ethers containing more than one closed chain connected by an ether linkage, and —S—, —Se—, —Te— and —NH— analogues thereof, said ethers and analogues thereof existing as solids at temperatures above 100° C. under the conditions of printing.

2,070,468
ADJUSTABLE SEAT
Arthur William Chapman, Putney, London, England
Application October 30, 1933, Serial No. 695,917
In Great Britain November 3, 1932
5 Claims. (Cl. 155—91)



1. A seat support comprising a seat member adjustable towards and from a fixed member for sustaining the weight of the seat, sets of pivotally interconnected levers interconnecting the seat member to the fixed member, one set being arranged at one side of the seat member, another set at the opposite side of said member, and the third set on a side at right angles to said sides, pivotal and slidable means whereby the levers are connected to the seat member and to the fixed member, means connected to the seat member and to the fixed member on the side of said members opposite to the said side to which said third set of levers is connected, for adjusting the seat member with relation to the fixed member and operative in conjunction with the levers to fix the seat member against upward and downward movement and keep it substantially rigid in any of its positions of adjustment.

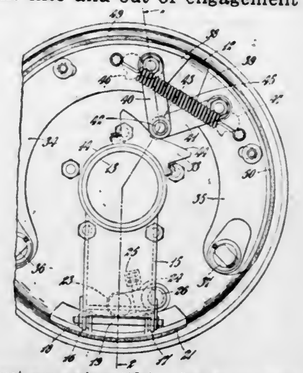
2,070,469
LIFT CUTTING DIE AND PROCESS
Leo F. Exley, Johnson City, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application July 18, 1936, Serial No. 91,385
5 Claims. (Cl. 164—29)



4. A blank cutting die having a substantially straight side and having a projection at one side in line with such side and adapted to cut a slit in the sheet in advance of the opening in the sheet cut by the die, said slit extending sufficiently to register with the side of the opening cut in the sheet at the next successive operation of the die thereon, whereby a straight true edge is left on the sheet adjacent the line of perforations made by the die, and the perforated strip is severed from the sheet without marginal waste between the adjacent edges of the cut strip and the sheet.

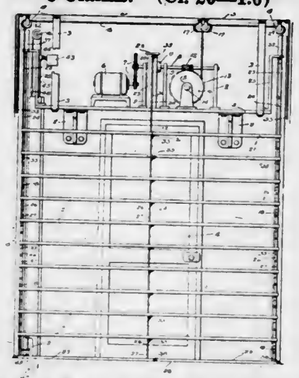
2,070,470
BRAKE
Edward Claude Shakespeare Clench, Leamington Spa, England, assignor to Automotive Products Company Limited, London, England
Application August 29, 1935, Serial No. 38,459
In Great Britain September 29, 1934
8 Claims. (Cl. 188—78)

1. A brake comprising in combination, a drum, a main friction means engageable with the drum, an arm extending radially of the drum and displaceable angularly about the drum axis to actuate the main friction means, and a relay friction shoe mounted on the arm for pivotal movement into and out of engagement with the



drum about an axis within the drum and extending parallel with the plane of rotation of the drum.

2,070,471
ENCLOSURE DEVICE
William J. Condon, Philadelphia, Pa.
Application January 11, 1936, Serial No. 58,738
8 Claims. (Cl. 20—1.6)

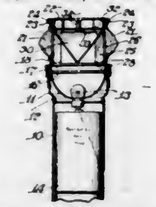


1. In a retractible enclosure device for the entrance area of a room interior, the combination with an articulated enclosure structure consisting of a plurality of transverse members shaped to define the normally open sides of said area and means for flexibly connecting said members in series to permit extension and contraction of the said structure as a whole, of means for supporting an end member of said series in an elevated position so that when the structure is extended the other end member lies adjacent to the floor surface, vertical guides for the extremities of said members positioned at the wall surfaces on opposite sides of said entrance in which said extremities are slidably retained, and means connected to the lower end of said structure for elevating and lowering the structure into and from the contracted position.

2,070,472
COMBINATION FLASHLIGHT AND EMERGENCY TRAFFIC SIGNAL
Elmer Criswell, Philadelphia, Pa.
Application March 30, 1936, Serial No. 71,614
6 Claims. (Cl. 177—329)

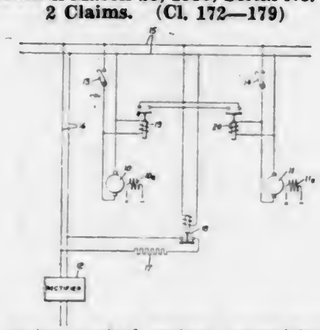
5. In a device of the kind described, a collar

for attachment to a lamp body, a casing hinged to said collar, a catch on the collar to hold the casing normally in contact with said collar but releasable to permit the casing to be swung back, a cover on the outer end of the casing, an inverted pyramidal reflector, means to attach said



reflector to the cover, and lenses mounted in side walls of the casing and arranged in pairs of different colors, those of the same color being directly opposite each other and each pair being located at right angles to the other pair and each lens facing a reflecting surface of the pyramidal reflector.

2,070,473
CONTROL SYSTEM
Philip M. Currier, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application March 28, 1936, Serial No. 71,408
2 Claims. (Cl. 172—179)



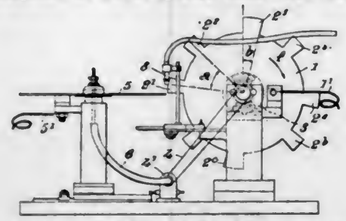
1. A motor control system comprising a rectifier, a plurality of direct current motors arranged to be supplied therefrom, a resistance element, a plurality of voltage relays, one for each of said motors and responsive to a rise in the terminal voltage of its associated motor for connecting said resistance in circuit therewith.

2,070,474
ZINC ALLOY
Aldo Daccó, Milan, Italy
No Drawing. Application October 13, 1936, Serial No. 105,422. In Italy November 12, 1935
3 Claims. (Cl. 75—178)

1. Zinc alloy having special resistance to friction characterized by a content of from 9 to 16% aluminium, from 3 to 30% lead, from 0.5 to 3% copper, the remaining being zinc.

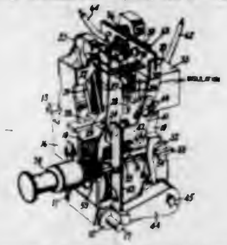
2,070,475
SPARK GAP APPARATUS
René Dufour, Paris, France
Application January 8, 1936, Serial No. 58,189
In Luxemburg, January 10, 1935
9 Claims. (Cl. 250—38)

9. A spark gap apparatus which comprises, a first electrode, a rotary electrode adapted to co-operate with the first electrode, an oscillatory circuit connected in parallel with said electrodes and including a condenser, means to supply alternating current to said electrodes and circuit, said second electrode having teeth on its periphery adapted to form sparks with the first elec-



trode at each half period of the current, the values of the width of the teeth and the distance therebetween being such that the current in the oscillating circuit always reaches the same absolute value when the voltage in the supply means becomes zero, at least some of said values being unequal.

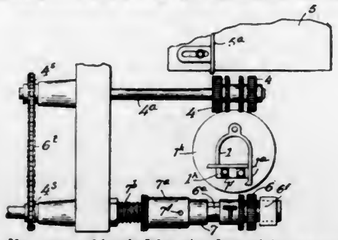
2,070,476
CIRCUIT CONTROLLING DEVICE
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 4, 1936, Serial No. 62,288
8 Claims. (Cl. 200—81)



1. A circuit controlling device comprising contacts one of which is movable between open and closed circuit positions, a tripping member pivotally mounted for rotation to cause operation of said one contact to said open circuit position, a normally restrained latch member, a connecting lever pivotally secured to said latch member, means biasing said lever and said tripping member for rotation about their respective pivots, a releasable connection between said lever and said tripping member for restraining said lever and said tripping member against movement so long as said latch member is restrained, overload means for releasing said latch member whereupon said tripping member rotates in accordance with its bias to operate said one contact and to release said connecting lever, and means responsive to the consequent rotation of said connecting lever in accordance with its bias for returning said latch member to its normal position.

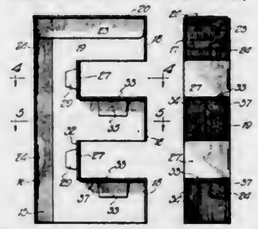
2,070,477
LIFT CUTTING MACHINE
Leo F. Exley, Johnson City, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Original application July 18, 1936, Serial No. 91,385. Divided and this application November 30, 1936, Serial No. 113,523
5 Claims. (Cl. 164—22)

5. In a blank cutting machine having a die and coacting cutting block; a pair of feed rolls for feeding a material toward and over said die, a second pair of rolls at the opposite side of said die adapted to pull the material to and over the die, an adjustable stock guide adjacent the first



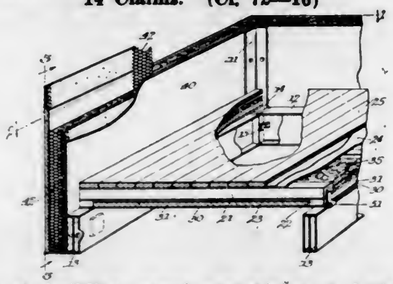
feed rolls, an adjustable stock guide mounted on the shaft of one second feed roll, a tubular support for said shaft, and a guide adjusting sleeve mounted on said support.

2,070,478
COLLAPSIBLE SIGN CHARACTER
Vincent Fortunato and Romeo A. Catozella, Brooklyn, N. Y., assignors to The Mounting & Finishing Co. Inc., Brooklyn, N. Y., a corporation of New York
Application November 29, 1935, Serial No. 52,160
12 Claims. (Cl. 40—140)



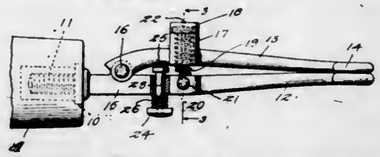
2. A collapsible sign character comprising identical spaced parallel front and rear walls, said front and rear walls conforming to the shape of a predetermined sign character, opposed side walls hingedly connected to opposite sides of said front and rear walls, and releasable interlocking means for securing the walls in set up character forming position against collapsing.

2,070,479
BUILDING PANEL
Thomas J. Foster, Ridgewood, N. J.
Application May 12, 1936, Serial No. 79,380
14 Claims. (Cl. 72—16)



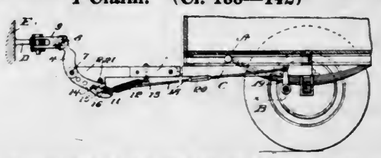
1. A building panel comprising a body of aerated gypsum, a finish layer adhesively secured to said body on one face, a waterproofing layer on the other face of said body, reinforcing means embedded in said body and projecting through its waterproof face near the perimeter, a sheet of reinforcing material spaced from said body and arranged between the projecting portions of said reinforcing means, a layer of hardened plastic material embedding said reinforcing means and sheet, and heat insulating material in the space between said body and hardened plastic layer, said reinforcing means securing said hardened plastic layer and insulating material rigidly to said body, whereby heat, moisture and sound conduction through said panel is prevented.

2,070,480
ARTIFICIAL HAND
David Friedman, Donora, Pa.
Application September 28, 1936, Serial No. 103,000
2 Claims. (Cl. 3—12)



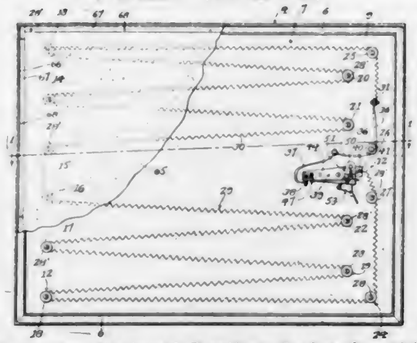
1. A utility hook of the kind described comprising a pair of hook members pivoted to each other, a spring urging the hook members together, a push button fitted with one of the hooks for the opening of the hook members relative to each other, an attaching stud formed on one of the hooks, and a barrel formed on one of the hooks and confining the said spring.

2,070,481
AUTOMATIC BRAKING DEVICE
Adolph Gullikson, Cheyenne, Wyo.
Application November 27, 1935, Serial No. 51,894
1 Claim. (Cl. 188—142)



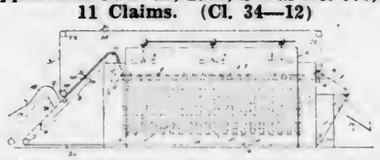
An automatic braking device for a trailer, comprising draft means including a pair of elongated plates secured to the outer end of the tongue of the trailer, and including enlarged spaced parallel forward portions having registering openings therein, a lever having openings to register with any of the registering openings of the forward portions, pivot means for disposal through registering openings of the lever and forward portions to rockably mount the lever between said portions, a bolt disposed through the forward portions and arranged in the path of the rear end of the lever to limit the rocking movement thereof, spring means for normally urging and holding the lever against the bolt, said bolt being removable for disposal in other registering openings of the lever and forward portions to secure the lever against movement, for rendering the braking device inactive, universal means for connecting the forward end of the lever to a towing vehicle, said lever having a key hole shaped slot arranged adjacent the rear end thereof, a key member including a shank having apertured lugs thereon and removably mounted in the slot for disposing the lugs upon opposite sides of the lever, and means of connection between the lugs and the brakes of the trailer and secured in the apertures of the lugs.

2,070,482
ELECTRICAL HEATING DEVICE
Luty Hawkins, Mount Vernon, Ill.
Application August 15, 1935, Serial No. 36,403
6 Claims. (Cl. 119—33)



1. In an electrical heating device for chick brooders, a horizontally disposed frame having the upper portion of its inner face rabbeted throughout to provide therein and below the top thereof an endless internal shoulder, a heat insulating element of plate-like form mounted on and throughout said shoulder and having its edges abutting the inner face of the frame below the top of the latter, a set of spaced parallel flat combined spacing and retaining strips for and positioned on said element, said strips having their upper faces flush with the top edges and having their ends abutting the inner face of said frame, a top member of plate-like form mounted on and secured to the top edges and flush with the outer face of said frame, and a flexible bottom forming member having its marginal portions anchored in the bottom edges of the frame and forming, in connection with the latter and said element, a chamber for receiving an electrical heating means.

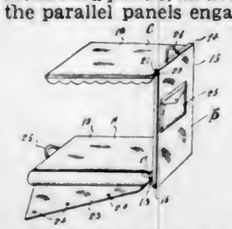
2,070,483
DOUBLE APRON FESTOON DRIER
Alpheus O. Hurxthal, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application June 15, 1933, Serial No. 676,000
11 Claims. (Cl. 34—12)



1. The combination in a conveyer of a pair of freely separable superposed vertically spaced substantially parallel aprons for confining a layer of loose material therebetween, laterally spaced means for supporting said aprons and interposed material in a series of inert festoons depending from and hanging freely between said laterally spaced means, and means for supporting, maintaining and transporting said apron-supporting means in said laterally spaced relation.

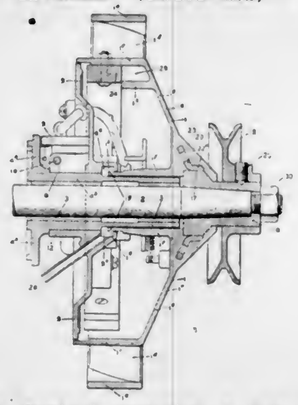
2,070,484
BEACH ACCESSORY
Nelson M. Jones, Sarasota, Fla.
Application November 7, 1935, Serial No. 48,739
4 Claims. (Cl. 135—5)

1. A device of the class described having parallel panels, a connecting panel pivoted to each of the first-mentioned panels, an abutment means on each of the parallel panels engageable by the



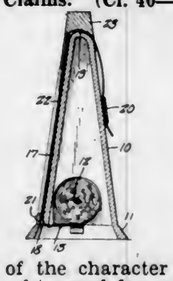
connecting panel and maintained in such engagement through the weight of the uppermost parallel panel.

2,070,485
FLYWHEEL GENERATOR
George F. Kuehn, Jackson Heights, and George A. Richroath, Brooklyn, N. Y., assignors to Eisemann Magneto Corporation, New York, N. Y., a corporation of New York
Application January 31, 1935, Serial No. 4,414
11 Claims. (Cl. 171—252)



9. In a flywheel generator, a hub member adapted to be secured on a shaft, a flywheel member secured on said hub member and a magnet carried by said flywheel member, said flywheel member having a counterweight receiving recess closed by said magnet.

2,070,486
RADIO PROGRAM HOLDER
George W. Leyen, Denver, Colo.
Application January 24, 1936, Serial No. 60,698
2 Claims. (Cl. 40—82)



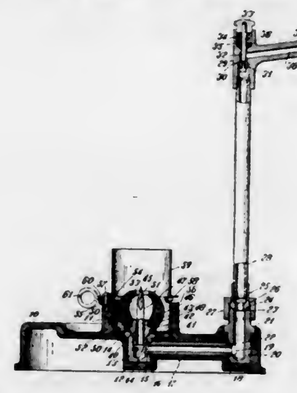
1. A device of the character described comprising a body of tapered formation and having a slot in its front close to the bottom thereof, a rolled strip supported in the body and trained

through the slot to traverse the front of said body and over the top of the latter, a transparent paneled sash fitting over the front of the body for rendering visible said strip, tensioning means frictionally engaging the rolled strip within the body and a head extension on the sash to overhang the top of the body and guiding the strip rearwardly of the latter.

2,070,487
METAL CLEANING
George Lutz, Rocky River, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 24, 1934, Serial No. 758,937
15 Claims. (Cl. 148—8)

1. A composition for rust removing and rust-proofing comprising phosphoric acid modified with a sulfate of an aliphatic compound which contains an alcoholic radical of no less than six carbon atoms.

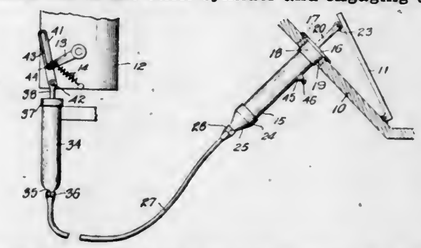
2,070,488
DISPENSING APPARATUS FOR CARBONATED BOTTLED LIQUIDS
Robert D. McIntosh, River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 23, 1933, Serial No. 677,290
8 Claims. (Cl. 225—22)



1. In a device of the class described, the combination with a molded base having two metallic plugs imbedded therein connected by a metal tube, one plug being in the center and the other near the circumference of means connected with an opening into one plug for puncturing a bottle cap and draining the contents of the bottle, a delivery tube connected with the other plug, and a valve in said tube near its outlet.

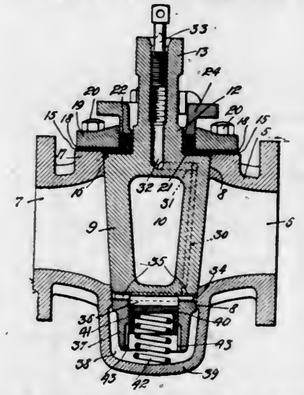
2,070,489
RETARDED ACTION HYDRAULIC ACCELERATOR
Marcus Ancle McMichen, Atlanta, Ga.
Application July 8, 1935, Serial No. 30,418
2 Claims. (Cl. 137—139)

1. A hydraulic accelerator for internal combustion engines including a carbureter throttle valve having a control lever, an accelerator pedal, a pair of fluid pressure cylinders, pistons in the cylinders, rods for the pistons, a tube connecting the cylinders together in advance of their pistons, a link pivotally connected to the piston rod of one of the cylinders and having a longitudinal slot, a pivot pin on the throttle valve control lever slidably received in said slot and permitting the engine to be raced by manipulation of the link without disturbing the position of the piston rod to which the link is attached, a roller carried by the piston rod of the other cylinder and engaging the



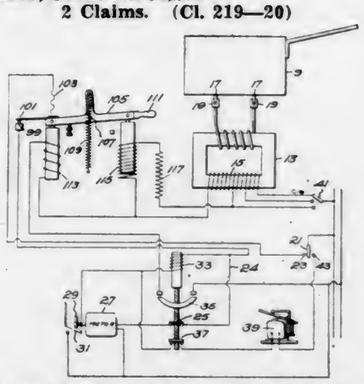
underneath face of the accelerator pedal, a spring for returning the throttle valve control lever to initial position after each actuation, and a check valve in the cylinder having the accelerator pedal operated piston permitting quick passage of the fluid in a direction to close the throttle valve, there being bypass openings in the last named piston permitting a retarded passage of the fluid in a direction to open the carbureter throttle valve.

2,070,490
VALVE
Sven Johan Nordstrom, Oakland, Calif., assignor to Merco Nordstrom Valve Company, San Francisco, Calif., a corporation of Delaware
Application May 17, 1928, Serial No. 278,422
19 Claims. (Cl. 251—93)



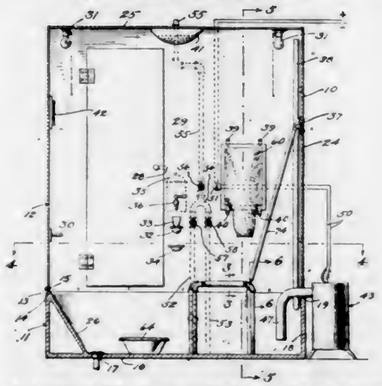
1. A valve comprising, a casing having a passageway therethrough and a tapered seat formed transversely of the passageway, a tapered plug mounted in the seat and having a hole adapted to register with the passageway, the casing having a chamber into which the smaller end of the plug projects, a cylinder formed in the part of the plug projecting into the chamber, a piston mounted in the cylinder, longitudinal channels in the tapered surface of the plug communicating at one end with the cylinder, means for forcing lubricant under pressure through the channels and into the cylinder to act against one side of the piston, and a compression spring interposed between the other side of the piston and the adjacent side of the chamber.

2,070,491
ELECTRIC HEATING SYSTEM
Robert H. Park, Pluckemin, N. J.
Original application December 12, 1931, Serial No. 580,533. Divided and this application August 22, 1935, Serial No. 37,277
2 Claims. (Cl. 219—20)



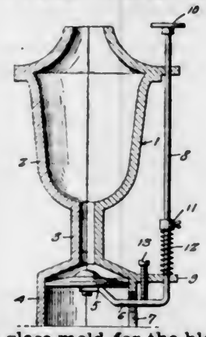
1. In an electric cooking device in combination with a cooking vessel having a self-containing heating element, means for connecting the same in an electric circuit to a source of electric energy, means for controlling in substantial degree the voltage supplied to the circuit whereby to control the rate of heat supply to the vessel, a switch controlling the supply of energy to the circuit, differentially acting means controlling said switch comprising an electro-magnetic motor device proportionately responsive to the voltage and an electro-magnetic motor device in a different magnetic circuit proportionately responsive to the current whereby to open the switch on abnormal increase of resistance in the vessel.

2,070,492
BATH CABINET
Sterling Roberts, Birmingham, Ala.
Application April 21, 1936, Serial No. 75,585
6 Claims. (Cl. 4—162)



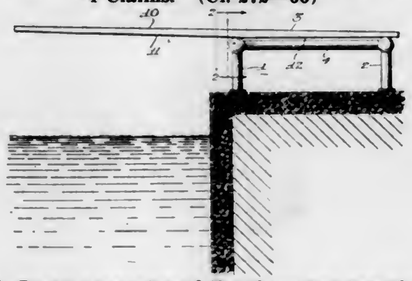
1. A bath cabinet comprising a base structure in the form of a bath tub, a super-structure in the form of a closed top and open bottom casing mounted on and anchored to the top of the base structure, said structures coacting to provide a bath chamber, an electrical air heating structure arranged exteriorly of and provided with a heated air supply pipe extending into said base structure and discharging in proximity to the bottom of said base structure, and a hot air conducting pipe within said chamber opening at its upper end in proximity to the top of said super-structure and discharging at its lower end into said heated air supply pipe.

2,070,493
GLASS MOLD
Anthony Rosa, Morgantown, W. Va.
Application April 17, 1935, Serial No. 16,910
1 Claim. (Cl. 49—69)



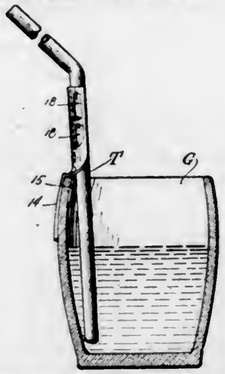
A portable glass mold for the blowing of glassware comprising a sectional form including a body portion, a shank and a base in which glass is blown to form the glass into a body, stem and pedestal of the glassware in a single blowing operation, a hinge connecting the sections of the form, a plunger slidable in said base and manually controlled to spread the blown glass into pedestal formation integral with the stem of the glassware, said base having a slot, an arm connected to the plunger and operable through the slot of the base, a rod integral with the arm and slidably connected with the form, a spring acting on said rod to urge the plunger in the base in the direction of the shank, and a set screw carried by the base for varying the movement of the plunger in the direction of said shank.

2,070,494
SPRINGBOARD
Horace N. Stevenson, Trenton, N. J.
Application February 18, 1936, Serial No. 64,568
4 Claims. (Cl. 272—66)



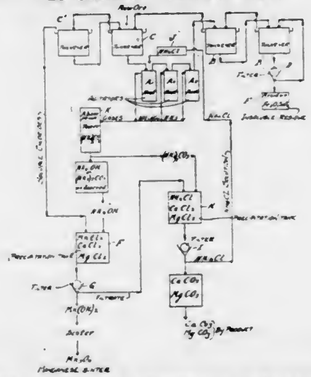
1. In an apparatus of the character described, a supporting structure including a fulcrum member, and a spring board resting on said fulcrum member and anchored at one end to said supporting structure, said spring board tapering in opposite directions towards each end thereof from a point adjacent the fulcrum member so that the thickness of the board decreases gradually toward each end thereof to increase the flexibility of said board between said fulcrum member and anchorage.

2,070,495
DRINK TUBE HOLDER
Edward H. Strutz and Earl Truman Bowlden, Sacramento, Calif.
Application April 19, 1935, Serial No. 17,329
1 Claim. (Cl. 65—65)



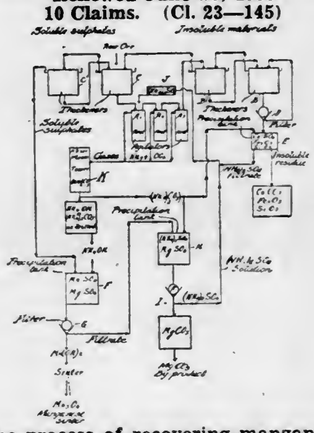
In a one-piece holder for drinking tubes, a clamp member adapted for attachment to a glass, a tube holder at one end thereof adapted for the support of a drinking tube and said holder being flexible at the point of connection between the clamp member and tube holder whereby the latter may be bent relative to the clamp member for positioning the drinking tube at the desired angle in a glass, said tube holder having rolled sides with the free edges of the sides directed towards and spaced from each other and longitudinally extending inset arms in the rolled sides for frictional engagement with a drinking tube.

2,070,496
PROCESS OF OBTAINING MANGANESE VALUES FROM CARBONATE ORES
Andrew T. Sweet, Houghton, and John D. MacCarthy, Detroit, Mich., assignors to General Manganese Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1929, Serial No. 392,983
13 Claims. (Cl. 75—103)



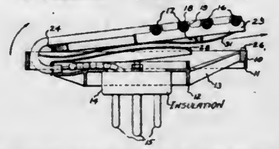
2. The process of recovering manganese compounds from carbonate ores which comprises treating the ore with a solution of an ammonium salt at substantially boiling temperatures capable of forming soluble manganese salts and resulting in the evolution of ammonia and carbon dioxide gases and separating and recovering soluble manganese salts from the insoluble residue.

2,070,497
PROCESS OF OBTAINING MANGANESE VALUES FROM ORES CONTAINING THEM
Andrew T. Sweet, Houghton, and John D. MacCarthy, Detroit, Mich., assignors to General Manganese Corporation, Detroit, Mich., a corporation of Delaware
Application September 23, 1929, Serial No. 394,677
Renewed June 26, 1935
10 Claims. (Cl. 23—145)



3. The process of recovering manganese compounds from carbonate ores which comprises treating the ore with a solution of ammonium sulphate at substantially boiling temperatures to form soluble manganese sulphate and resulting in the evolution of ammonia and carbon dioxide gases and separating and recovering soluble manganese sulphate from the insoluble residue.

2,070,498
ELECTRIC HEATER
Herman Antoine Tournier, Lille, France, assignor to General Electric Company, a corporation of New York
Application December 12, 1935, Serial No. 54,080
In France March 28, 1935
6 Claims. (Cl. 219—37)

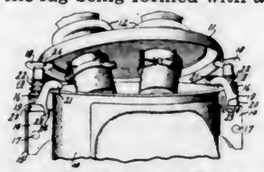


6. A hot plate comprising a support, a grid on said support, a heating element on said grid, a removable reflector below said grid, hinge lugs on said support and cotter pins directed through said lugs and parts of said grid pivotally connecting said grid to said support so that said grid can be tilted with reference to said support to provide for insertion and removal of said reflector.

2,070,499
COVER CLAMP FOR ELECTRICAL APPARATUS
Edward D. Treanor, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 31, 1935, Serial No. 38,766
3 Claims. (Cl. 220—55)

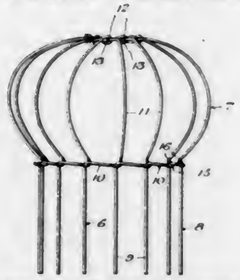
1. The combination with an electrical apparatus casing having a cover, of a lug secured to the

side of the casing below its cover, a holding member for engaging the cover, and means pivoted to the lug for tightening the holding member onto the cover, the lug being formed with a notch, and



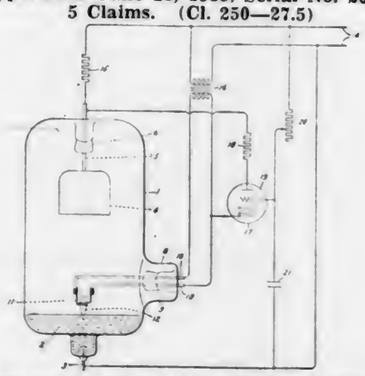
the holding member having a flange arranged to engage in the notch of the lug when in tightened position to prevent lateral motion of the holding member away from the cover.

2,070,500
EAVES TROUGH STRAINER
Axel S. Wahl, Jersey City, N. J.
Application February 25, 1936, Serial No. 65,739
3 Claims. (Cl. 210—170)



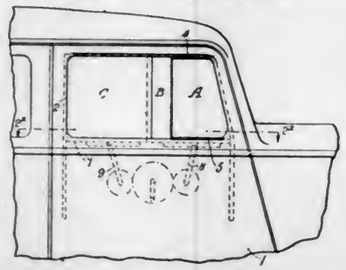
1. An eaves-trough strainer comprising a plurality of upwardly extending wires, said wires formed to provide a lower cylindrical portion and an upper bulb-shaped portion, the upper end of each of said wires terminating in laterally extending curved portions formed integrally with the upper end of the wire and formed to provide oppositely directed hook members for cooperation with and attachment to adjacent wires.

2,070,501
POOL-TYPE DISCHARGE DEVICE
Willem F. Westendorp, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 13, 1935, Serial No. 26,360
5 Claims. (Cl. 250—27.5)



1. In combination, an arc discharge device including an anode, a pool-type cathode, and an electrode positioned in permanent contact with said pool, the starting of said device being dependent on the passage of current between the contacting surfaces of said electrode and said pool, means for impressing a starting potential between said electrode and said pool, and separate means for maintaining said electrode at an elevated temperature independently of the passage of current between said electrode and said pool.

2,070,502
VEHICLE WINDOW
Benjamin A. Woina, Detroit, Mich.
Application December 19, 1932, Serial No. 647,865
4 Claims. (Cl. 296—44)



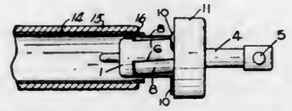
1. In combination with a vehicle body having a window opening, a pair of glasses forming the complete closure of said opening, means guiding said glasses for horizontal sliding movement, and means for raising and lowering each of said glasses independently.

2,070,503
METHOD FOR CONVERTING CARBON MONOXIDE INTO FORMIC ACID
Christian Ammon, Berlin-Wilmersdorf, Germany
Application June 7, 1934, Serial No. 729,538
In Germany June 17, 1933
10 Claims. (Cl. 260—114)



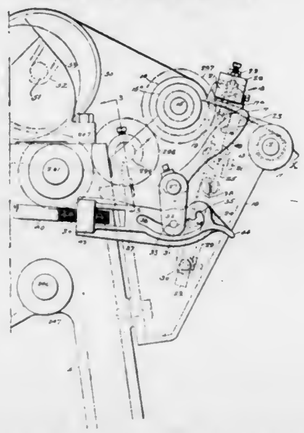
1. A method of making formic acid consisting in interacting carbon monoxide with an alcohol under superatmospheric pressure to form an alkyl formate, hydrolyzing the said alkyl formate to formic acid and alcohol, and separating the alcohol and interacting it anew with carbon monoxide for the purpose of making an alkyl formate for the process.

2,070,504
COMBINED EXPANDER AND FLANGER FOR LINED PIPES
William Ewart Bannerman, Toronto, Ontario, Canada
Application April 6, 1935, Serial No. 15,014
3 Claims. (Cl. 153—82)



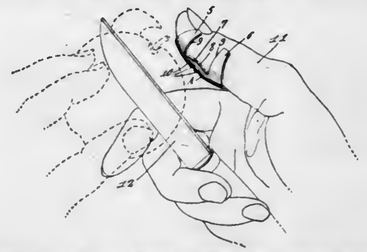
1. In a combined rotatable expander and flanger for lined pipes wherein the liner protrudes beyond the outer shell, in combination, a rotatable cylindrical member insertable into the liner of the pipe including expansible means thereon engageable with the interior of the liner for expanding the latter and simultaneously propelling the cylindrical member and the expansible means into the pipe as such cylindrical member and expansible means are rotated, and means on the cylindrical member independent of the expansible means and unaffected thereby for engaging the protruding end of the liner and forming it into a flange covering and abutting the end of the outer shell.

2,070,505
DECURLING DEVICE
Charles J. Beck, Philadelphia, Pa.
Original application October 24, 1929, Serial No. 402,024. Divided and this application March 7, 1934, Serial No. 714,513
5 Claims. (Cl. 92—70)



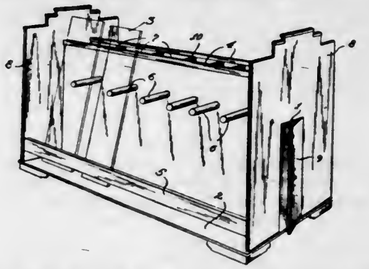
1. In a machine for cutting sheets from a continuous and rolled web having a tendency to curl when unrolled and for printing upon the cut sheets, the combination of a feeding unit, and a decurling unit, said decurling unit comprising a roll adapted to receive the web initially, a second roll intermediate the receiving roll and the feeding unit and around which the web is adapted to pass, a decurling roll disposed between the intermediate roll and the receiving roll, a pair of decurling blades spaced apart and disposed respectively at opposite sides of the decurling roll, and means for moving the decurling blades to bring one edge of one of said blades into a position disposed in the angle formed between the peripheries of the intermediate and decurling rolls.

2,070,506
THUMB GUARD
Sims D. Bevill, Poteau, Okla.
Application March 4, 1936, Serial No. 67,164
1 Claim. (Cl. 2—21)



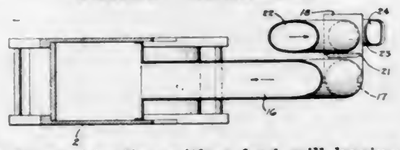
A guard of the kind described comprising a body made from sheet material provided with outer reversely tapered elongated ears and an intermediate relatively wide web portion disposed medially of said ears, the ears being turned upwardly and inwardly toward each other to provide terminal clips for the said web, the web being bent into concavo-convex form, the said web having spaced parallel grooves cut into the outer face thereof.

2,070,507
DISPLAY RACK FOR LUMBER
Harry W. Bishop, Chicago, Ill.
Application August 1, 1935, Serial No. 34,165
5 Claims. (Cl. 211—13)



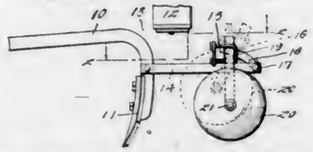
1. A display rack for lumber comprising an elongated rectangular horizontal floor portion, two end walls extending upwardly from said floor portion at opposite ends thereof and lying in parallel vertical planes, two spaced side walls extending upwardly from said floor portion and extending between said end walls and lying in parallel vertical planes at right angles to the floor and end walls, a cover lying in a horizontal plane extending between said side walls and from one end wall to the other, whereby the floor portion, end walls, side walls and cover form a horizontal elongated compartment for storing pieces of lumber in substantially horizontal position, said floor portion extending laterally beyond one of said side walls to provide a shelf-like support extending adjacent and along the lower portion of said compartment for supporting the lower ends of elongated pieces of lumber, the upper ends of which are supported by the upper edge of one of said side walls, said end walls extending laterally beyond one of said side walls, and an elongated retaining rail extending between said lateral extensions of said end walls and lying adjacent said shelf-like support to prevent the lower ends of the pieces of lumber from slipping off from said shelf-like support.

2,070,508
FEED REGULATOR AND SEPARATOR
Thomas G. Cecka, Buffalo, N. Y., assignor to International Milling Company, Buffalo, N. Y., a corporation of Delaware
Application October 23, 1933, Serial No. 694,786
4 Claims. (Cl. 209—139)



4. In combination with a feed mill having an enlarged material receiving opening and means for drawing air through said opening into the mill, a feed regulator comprising a conduit of relatively smaller cross-sectional area than said receiving opening and having one end gradually enlarged to correspond to the feed opening of the mill and connected thereto, said conduit extending outwardly from the mill and curving downwardly and having its opposite end substantially vertically disposed and open to the atmosphere, a feed pipe connected to said conduit above the lower end thereof, means for controlling the flow of material from the feed pipe into the conduit, and an air intake in the upper wall of the conduit adjacent to the feed opening of the mill through which air may be drawn from the atmosphere into the conduit, thereby to control the suction through the conduit, and whereby only the desired material is delivered into the mill, said intake being disposed at an elevation above the upper wall of the conduit, whereby an expansion chamber is provided therebeneath to prevent the air from rushing directly into the suction pipe and creating a turbulence therein, and whereby the material may be uniformly distributed into the mill.

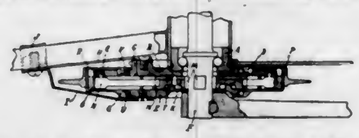
2,070,509
COVERING DEVICE FOR PLANTERS
James W. Chiles, El Reno, Okla.
Application April 1, 1936, Serial No. 72,201
4 Claims. (Cl. 97—218)



1. A combination with a planter having means to provide a furrow, means in the rear thereof to cover the furrow, a mounting device for said means, and means to connect said mounting device to the planter for free upward and forward pivotal movement thereof when in contact with an obstruction.

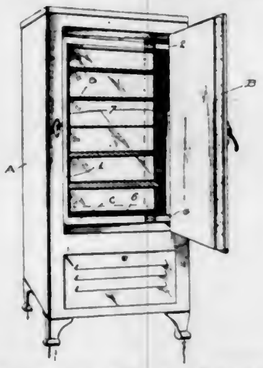
2,070,510
MECHANICAL AMPLIFYING AND REDUCING SPEED TRANSFORMER
André Claude, Paris, and William Manet, Boulogne sur Seine, France, assignors to Société A. Georges Claude, Manet & Cie, a corporation of France
Application July 25, 1935, Serial No. 33,158
In Germany August 6, 1934
15 Claims. (Cl. 74—112)

1. A variable speed transmission comprising a driving hub mounted for rotation about a fixed axis, a plurality of pawls pivotally mounted adjacent the periphery thereof, a drum surrounding said driving hub and mounted for rotation about a fixed axis eccentric to the axis of said hub, means for maintaining the free ends of said pawls in spaced relation to said drum during the major



portion of a revolution of said hub, and means movable about an axis concentric with the axis of the drum for shifting the free ends of said pawls into driving engagement with said drum during the remaining portion of the revolution of said hub.

2,070,511
DOMESTIC REFRIGERATOR
Everett G. Clements, Washington, D. C., assignor to Fairbanks, Morse & Company, Chicago, Ill.
Application August 1, 1934, Serial No. 737,992
7 Claims. (Cl. 62—89)

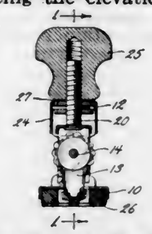


7. In combination with a refrigerator cabinet having a main food compartment and a door opening in one insulated wall thereof, a door swingably mounted on the exterior of said cabinet to extend across the opening in said wall, an open shelf carrying structure consisting of a wire frame of materially less vertical dimensions than said opening, means swingably mounting said shelf carrying structure in said opening independent of said door and with the upper and lower end portions of said structure vertically spaced a material distance from the upper and lower walls defining said opening and in laterally spaced relation to all inner portions of said door, whereby free circulation of air from said main food compartment is maintained through the shelf carrying structure, irrespective of the open or closed position of said door.

2,070,512
HAND STAMP
Matt M. Corey, Chicago, Ill.
Application March 5, 1935, Serial No. 9,465
7 Claims. (Cl. 101—111)

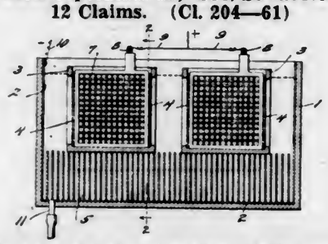
1. In a hand stamp, a yoke of spring metal having openings in its legs, a dater element within the yoke and having the upper portions of its legs fitting into the openings in the legs of the yoke, a die holder, a stamp frame secured to the holder and enclosing the yoke, and means

associated with the upper part of the stamp frame for adjusting the elevation of the dater



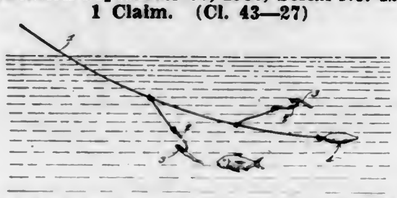
element with respect to a die held in the die holder.

2,070,513
APPARATUS FOR ELECTROLYTIC PRODUCTION OF LEAD AND OXIDES OF LEAD
Edmund Olin Cummings, High Point, N. C.
Application September 22, 1934, Serial No. 745,034
12 Claims. (Cl. 204—61)



10. In an apparatus for electrolytic production of lead and oxides of lead, a vessel for holding the electrolyte, an electrically conductive support within said vessel and electrically connected to a pole of an electric source of power, and battery plate material on said support in detachable relation thereto.

2,070,514
COMBINATION SINKER AND LURE
Harold C. Marlow, Niles, Mich.
Application September 30, 1935, Serial No. 42,928
1 Claim. (Cl. 43—27)



A sinker comprising a substantially cylindrical shaped body of a weight which will bring about gradual sinking or descending thereof in water to cause a line and hook with bait attached thereto to slowly descend in the water and having one end rounded and its opposite end provided with oppositely disposed tapering faces converging towards the last-named end, said last-named end of the body having a V-shaped notch, and an eye secured to the first-named end of the body.

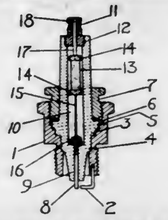
2,070,515
DETACHABLE CROTCH GIRDLE
Edward Henry Miller, Jr., William Dewey Schween, and Ward Lawren Crosby, Canandaigua, N. Y., assignors to Miller Corsets, Inc., Canandaigua, N. Y., a corporation of New York
Application December 28, 1935, Serial No. 56,428
4 Claims. (Cl. 2—43)

1. A form fitting body girdle of elastic material provided with a lower selvage that is slitted upwardly at the front and rear thereof to constitute a girdle crotch region providing for a pair of slitted leg portions, a detachable crotch piece of inelastic material having opposed marginal edges and which piece is adapted to fit said slitted crotch, cooperative fastening means on said girdle and on said marginal edges of the crotch piece for attaching said crotch piece to the girdle, said fastening means including a separate inelastic tape secured along the mated edges of each such leg slit and which opposed



marginal edges of the crotch piece when attached in place respectively form a continuation of slitted lower selvage components of the girdle, and a separate leg band suspended across the lower slit extremity of each such portion serving to retain the whole of said girdle in form fitting position, said bands being fixedly secured interiorly of their respective leg portions and having a medial region of said crotch piece interposed between said leg bands while the girdle is being worn.

2,070,516
COMBINED SPARK PLUG AND SUPPRESSOR
Byron B. Minnium, Millcreek Township, Erie County, Pa., assignor to Erie Resistor Corporation, Erie, Pa., a corporation of Pennsylvania
Application March 14, 1935, Serial No. 11,011
2 Claims. (Cl. 123—169)

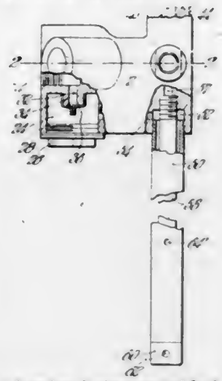


1. A combined spark plug and suppressor comprising a spark plug having attached electrodes; a conductor leading from one of the electrodes to a conductor terminal including a suppressor element within the spark plug; and conductors leading inwardly and outwardly from the element, the inwardly leading conductor having small capacity for conducting heat to the element and the outwardly leading conductor having a comparatively large capacity for conducting heat from the element, said element conductors suspending the element in the spark plug.

2,070,517
APPARATUS FOR DISPENSING LIQUIDS
Eugene A. O'Leary, Holyoke, Mass., assignor to Arthur E. O'Leary, Holyoke, Mass.
Application March 25, 1936, Serial No. 70,808
4 Claims. (Cl. 225—3)

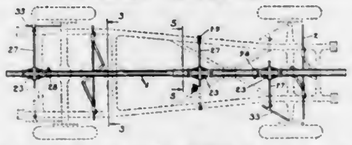
4. An apparatus for dispensing beverages comprising in combination, a body having an outlet and provided with a pair of chambers in communication with one another, each having an inlet, a third chamber in communication with the inlet of one of the pair of chambers, an outer vertically disposed tube in communication with

said third chamber, an inner tube disposed within said outer tube, a unitary cap member in screw-threaded engagement with the lower ends of both of said tubes, the said lower end of the inner tube and said cap member being provided with openings, a valve rotatable in said body, the



said body and valve being provided with passageways whereby the valve may be positioned to direct fluid entering said one of the pair of chambers to either said outlet or said third chamber and thence to the outer tube, and a clean-out plug removably associated with said cap member.

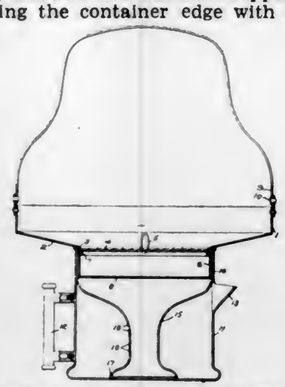
2,070,518
MOTOR VEHICLE GAUGE
Roy D. Smith, Davenport, Iowa, assignor to Bee Line Manufacturing Company, Davenport, Iowa, a corporation of Iowa
Application July 1, 1935, Serial No. 29,227
10 Claims. (Cl. 33—191)



1. In a motor vehicle chassis gauge, in combination, a bar to be suspended from the vehicle frame, a cross-bar pivotally connected to the first named bar at approximately its mid-point, said cross-bar carrying upwardly projecting notched members, a rod or pipe to serve as supporting means for gauging means, slides upon the first named bar, slidable toward and away from the ends of said bar, and supporting means carried by said slides to suspend the first mentioned bar from the vehicle frame.

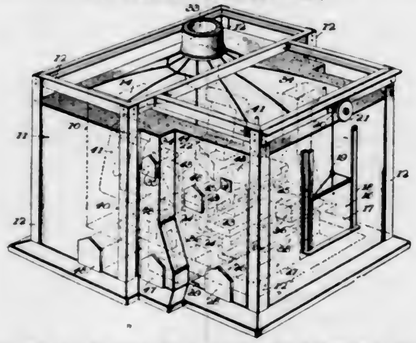
2,070,519
COOKING UTENSIL
Gino Tomei, Boston, Mass., assignor of one-third to Giuseppe Del Checcolo, and one-third to Alfredo P. Marchi, both of Somerville, Mass.
Application March 4, 1936, Serial No. 67,085
1 Claim. (Cl. 210—155)

The combination of a pitcher-like oil container having a handle and a spout; an oil settling member within the container and with an expanded top registering with the container top and having a slender stem supported by an expanded base, the latter forming a sediment chamber to catch and hold sediment from the oil and to engage the container base, the stem having oil ports well above the sediment chamber proper for discharging oil into the container member free of sediment; and a basket-like meat supporting tray overhanging the container edge with a central



draining well, and a strainer thereover registering with the settling member opening, the draining well locking the settling member in position in the container; whereby the clear oil may be poured from the settling member and container together, or from the latter alone.

2,070,520
INCINERATOR
Mark H. Allen, Greenville, S. C., assignor to The Allen Company, Greenville, S. C., a corporation of South Carolina
Application March 21, 1935, Serial No. 12,282
18 Claims. (Cl. 110—12)



1. In an incinerator, a casing having a main combustion chamber, a bottom for the combustion chamber including a main drying deck and burning decks arranged in stepped relation, the burning decks having openings arranged between them for the passage of air, the combustion chamber having a top provided with a generally spherically curved inner surface for transmitting heat over all of the decks, and also having a charging opening for feeding the material upon the drying deck, means for providing an air-receiving chamber beneath the burning decks and having communication with the openings between the burning decks, said casing having down flues for preheating air and supplying the same into the air-receiving chamber, means for providing a gas combustion chamber beneath the drying deck, said casing having ducts which lead from the main combustion chamber above the drying deck and into the gas combustion chamber beneath the drying deck.

2,070,521
ANTIOXIDANT
William C. Calvert, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1933, Serial No. 680,256
4 Claims. (Cl. 18—50)

1. A rubber product that has been vulcanized in the presence of N-dibutyl alpha naphthylamine.

2,070,522
PREPARATION OF MERCAPTO ARYL THIAZOLES
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 9, 1932, Serial No. 632,396
23 Claims. (Cl. 260—44)

2. In the manufacture of mercaptobenzothiazole, the step of interacting with sulfur the reaction product of formamid and aniline.

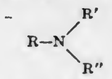
6. In the manufacture of the mercaptobenzothiazoles, the step of interacting a phenyl formamidine having a replaceable hydrogen on an orthocarbon atom, sulfur and carbon bisulfide.

2,070,523
PROCESS OF PREPARING THIAZYL DERIVATIVES
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1935, Serial No. 12,743
16 Claims. (Cl. 260—44)

1. A process of preparing ethylene benzothiazyl 1-thio hydrin which comprises reacting a soluble alkaline salt of a 1-mercaptobenzothiazole with an ethylene halogen hydrin.

2,070,524
ACCELERATOR OF VULCANIZATION
Howard I. Cramer, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1934, Serial No. 751,036
11 Claims. (Cl. 18—53)

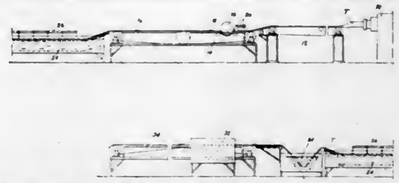
8. A rubber product which has been vulcanized in the presence of an amine of the formula



wherein R is a radical selected from the group consisting of tetrahydro furyl, tetrahydro furfuryl, and beta tetrahydro furyl ethyl radicals, and R' and R'' are hydrogen, alkyl, alicyclic, furyl, furfuryl, tetrahydro furyl, tetrahydro furfuryl, beta tetrahydro furyl ethyl or aralkyl groups or R' and R'' are together an alkylene chain which may be interrupted by an oxygen or sulphur atom.

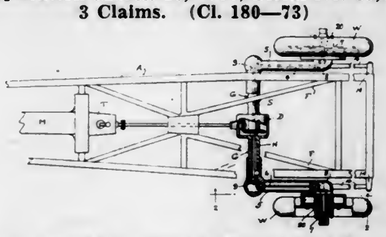
2,070,525
METHOD AND APPARATUS FOR MAKING INNER TUBES
Boyd C. Eberhard, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application October 26, 1934, Serial No. 750,153
19 Claims. (Cl. 154—14)

7. In the manufacture of inner tubes having valve stems with rubber base flanges that method which includes applying a removable protective layer on the inner tube length in the valve patch



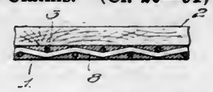
area substantially immediately after it is extruded.

2,070,526
INDIVIDUAL WHEEL SUSPENSION MECHANISM
Waldemar E. Echterling, Hammond, Ind.
Application March 16, 1936, Serial No. 69,200
3 Claims. (Cl. 180—73)



3. In a vehicle drive, a frame, a differential housing fixed to said frame and having lateral tubular extensions, tubular arms mounted on the ends of said extensions and having free longitudinal and swinging movement relative to said extensions, wheels supported by the free ends of said arms, driving means for said wheels extending from the housing through said extensions and arms, and means to prevent movement of the arms longitudinally of the housing and to permit swinging movement of said arms on said housing, said means consisting of a pair of leaf springs each having its middle portion shackled to a respective arm and its ends shackled to said frame.

2,070,527
FLEXIBLE WOOD-FACED MATERIAL
Armin Elmendorf, Chicago, Ill., assignor to The Flexwood Company, a corporation of Delaware
Application January 9, 1933, Serial No. 650,789
3 Claims. (Cl. 20—91)

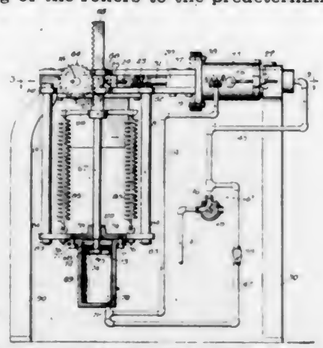


1. A material comprising a single thickness of thin flexible wood veneer, a backing layer of flexible thermoplastic tissue, interposed flexible reinforcing means, and adhesive securing the veneer, the reinforcing means and the backing together.

2,070,528
LAUNDRY MACHINERY
John Evans, Salt Lake City, Utah
Application June 1, 1935, Serial No. 24,563
17 Claims. (Cl. 38—147)

1. In a machine of the character described, a pair of pressure rollers shiftable relative to each other, means for shifting the rollers apart and normally holding them in spaced relation, means for shifting said rollers towards each other under relatively light pressure to a predetermined point,

and means automatically operative upon the shifting of the rollers to the predetermined point



tor thereafter shifting the rollers towards each other and urging them into contact under relatively strong pressure.

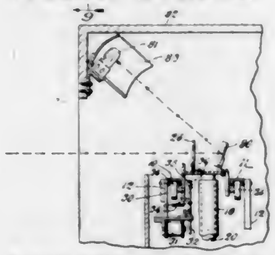
2,070,529

MARKSMANSHIP PRACTICING DEVICE

William P. Falkenberg, Chicago, Ill., assignor to Rayolite Rifle Range Company, Chicago, Ill., a corporation of Oklahoma

Original application February 15, 1936, Serial No. 64,042. Divided and this application October 7, 1936, Serial No. 104,485

7 Claims. (Cl. 124—15)



1. In a target device, a plurality of movable targets and means for successively bringing them into aiming position, each target comprising an apertured plate and a reflecting mirror mounted for movement therewith, a fixed mirror, and a light sensitive cell associated with the fixed mirror, the relationship between the apertured target plate, the movable mirror and the fixed mirror being such that when a flash of light penetrates the apertured target plate and impinges upon the movable mirror, it will be reflected by it and by the fixed mirror against the light sensitive cell.

2,070,530

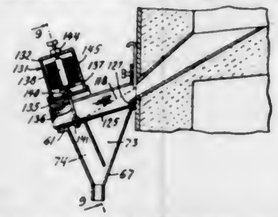
APPARATUS FOR SCREENING ORE

Charles A. Gallagher and Carl M. Allen, California, Pa., assignors to General Chemical Company, New York, N. Y., a corporation of New York

Application May 24, 1933, Serial No. 672,556

6 Claims. (Cl. 209—257)

1. Apparatus for screening material comprising a casing, a sloping screen covering the casing, an outlet at the bottom of the casing, a baffle in the casing forming primary and overflow hoppers, the upper edge of the baffle lying against the screen and the lower edge of the baffle being positioned, with reference to the axis of the casing outlet, toward the material feed end of the screen, means for feeding material to the higher end of the screen, means for discharging oversized material



over the lower end of the screen, and means for withdrawing material from the bottom of the casing.

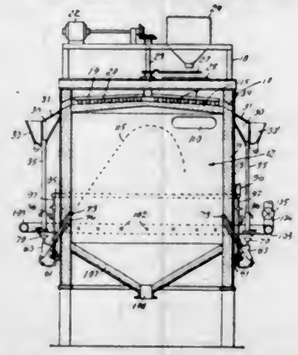
2,070,531

APPARATUS FOR ROASTING ORE

Charles A. Gallagher and Carl M. Allen, California, Pa., assignors to General Chemical Company, New York, N. Y., a corporation of New York

Application August 13, 1934, Serial No. 739,547

3 Claims. (Cl. 263—21)



1. The combination with a reaction chamber having an opening in a wall thereof, of means for feeding into said reaction chamber finely divided material in dispersed condition, said means comprising a movable injector having a material inlet passage open to the atmosphere and a nozzle disposed in angular relation with respect to the inlet passage and extending through said opening, means in said injector inlet passage for dispersing in atmospheric air material fed into said injector inlet passage, a feed regulator for feeding material into the injector and for controlling such feed so as to prevent stopping up of said inlet passage to flow of atmospheric air, means for changing the position of the feed regulator to accommodate changes of position of the injector material inlet passage, means including an air jet in said nozzle for inducing in the inlet passage a minus pressure to form in and draw through the inlet passage preliminary dispersion of material in air and for introducing into the preliminary dispersion an additional stream of air under positive pressure to cause the material to flow through the nozzle and form at the outlet thereof a relatively homogeneous dispersion of material in air, means for swinging the nozzle through an arc lying in a plane extending longitudinally of and disposed at a right angle with the wall, means for swinging the nozzle through an arc lying in a plane at a right angle with said first mentioned plane and means for holding the nozzle in a fixed position in each of said arcs.

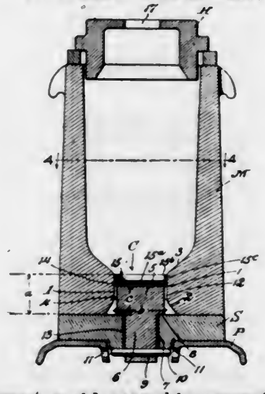
2,070,532

INGOT MOLD

Emil Gathmann, Baltimore, Md., assignor to Gathmann Research Incorporated, Catonsville, Md., a corporation of Maryland

Application October 11, 1934, Serial No. 747,963

11 Claims. (Cl. 22—139)



4. An ingot mold assembly comprising a cast iron mold proper having a bottom opening; a massive copper plug in said opening; and a sealing cup having a thin horizontal portion above and in heat-conducting relation to said plug, and a circumferential flange in engagement with the walls of said opening and being of material relatively less vulnerable to the cutting action of falling molten steel than the material forming the plug.

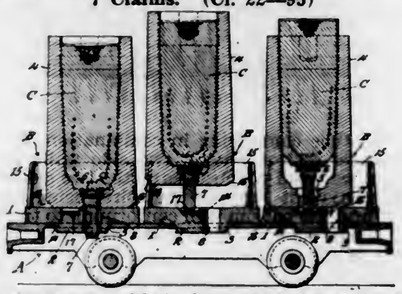
2,070,533

INGOT MOLD ASSEMBLY

Emil Gathmann, Baltimore, Md., assignor to Gathmann Research Incorporated, Catonsville, Md., a corporation of Maryland

Application April 17, 1935, Serial No. 16,936

7 Claims. (Cl. 22—95)



6. An ingot mold stool comprising a supporting part formed with an opening extending vertically therethrough and adapted freely to accommodate a stripper rod and also being formed with a relatively shallow closed bottom guide recess and stripper rod abutment adjacent to but having no connection with said opening.

2,070,534

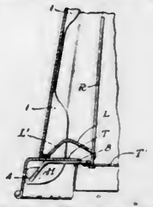
ELECTRIC TOASTER WITH DETACHABLE DOORS

James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 23, 1936, Serial No. 75,936

20 Claims. (Cl. 53—5)

1. An electric toaster comprising a base, a cap-like shell fastened to the top of the said base and having a side thereof provided with a doorway reaching to the base, and a door normally spanning the said doorway; the door having a lower edge portion seated on the top of the base, and adapted to rock outwardly of the shell on the said base top; the door and the said base



top having interengaging parts arranged for preventing a material shifting of the said lower door edge with respect to the said base during such rocking; and spring means interposed between the base and the door part of the said interengaging portions for continually urging the door to its doorway spanning position.

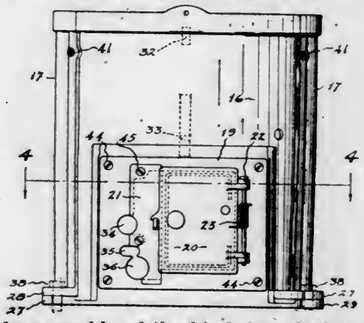
2,070,535

WATER HEATER

Earl J. Hansen, Cleveland, Ohio, assignor to The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio

Application March 4, 1932, Serial No. 596,847

3 Claims. (Cl. 158—2)



3. An assembly of the kind described, in combination, a walled enclosure having an opening therein, an open frame in said opening, a heat exchange assembly removably mounted on said frame, and having parts thereof extending through the frame opening, a plate secured to said frame, said frame and said plate defining openings through which said parts may extend and likewise defining a door opening, and a door adapted to close said door opening.

2,070,536

FUEL BURNING AND RECUPERATING DEVICE

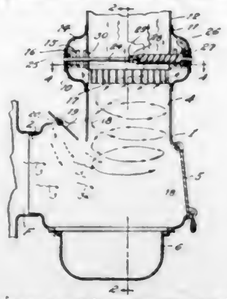
Fred D. Hoffman, Cleveland, Ohio, assignor of one-fourth to Eli E. Doster, Cleveland, Ohio

Application August 14, 1933, Serial No. 685,123

9 Claims. (Cl. 110—119)

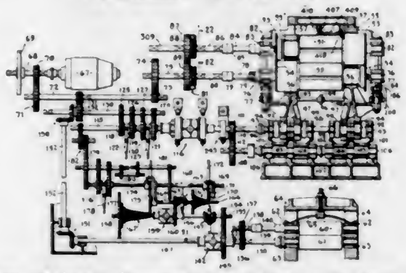
1. A device for aerating and cleaning products of combustion from a combustion chamber comprising a hollow body having an inlet passage arranged for discharging products of combustion from said chamber into the body and an exhaust passage communicating the interior of the body with the atmosphere, said passages being angularly disposed to each other, an air vent for admitting outside air into the body from a posi-

tion such that it flows thereinto in a direction away from and substantially coaxially of the



exhaust passage and into contact with said products, and means to direct said air as a swirling stream.

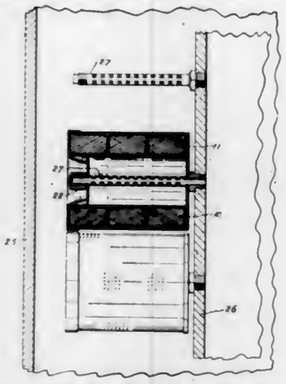
2,070,537
FLYING SHEAR
Percy W. Matthews, Pittsburgh, Pa., assignor, by direct and mesne assignments, of thirty-eight one-hundredths to Edgar J. Griffiths, Pittsburgh, Pa., nineteen one-hundredths to Joseph F. Brandenburg, Larchmont, N. Y., and five one-hundredths to Charles W. Neill, West Englewood, N. J.
Application February 26, 1934, Serial No. 712,938
Renewed July 9, 1936
46 Claims. (Cl. 164—68)



37. Rotary shearing apparatus including two knife carriers and means for rotating them, rolls for feeding material between the knife carriers, mechanism for moving at least one of the knife carriers toward the other to shear the material between them, means operable with the carrier rotating to prevent operation of said mechanism, and automatic control means responsive to the passage of the front end of a piece of material for causing said mechanism to bring the carriers together to shear the material immediately after the front end of material has passed between the knife carriers.

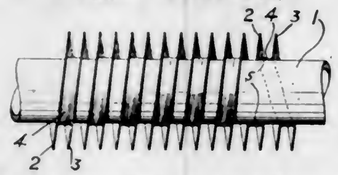
2,070,538
APPARATUS FOR TREATING RAYON IN CAKE FORM
Thomas McConnell, Northampton, Mass., assignor to Hampton Company, Easthampton, Mass., a corporation of Massachusetts
Application January 25, 1936, Serial No. 60,845
5 Claims. (Cl. 8—19)

1. An apparatus for holding a stack of rayon cakes during treatment comprising separable perforate inner and outer cylindrical members forming an annular cake-receiving space between them, an outwardly projecting cake-supporting flange carried by the inner member at one end thereof, the inner member and its supporting flange being adapted to support the inside and the lower surface of a stack of cakes while the assemblage consisting of the inner member, the flange thereon, and the stack of cakes is being inserted into the outer cylindrical member, an end wall at that end of the outer cylindrical member



adjacent to which the flange on the inner member is located when the apparatus is assembled, a removable cover for the other end of the outer cylindrical member, and means for securing said cover removably in position in contact with the end of the stack of cakes remote from the flange on the inner member.

2,070,539
FIN TUBE
Carl Muhleisen, Philadelphia, Pa., assignor to Schutte & Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 19, 1935, Serial No. 55,229
1 Claim. (Cl. 257—262)

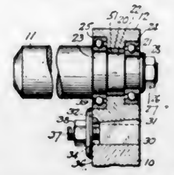


A fin tube comprising in combination, a tube, a channel section having two side walls and a bottom wall and of spiral form, the two side walls of the adjacent turns of the spiral being spaced apart and the bottom wall conforming to the surface of the tube and provided with a groove, the whole being metal coated to unite the parts.

2,070,540
ADJUSTABLE MANDREL FOR COLLAPSIBLE TUBE PRINTING MACHINES
George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application November 8, 1935, Serial No. 48,944
6 Claims. (Cl. 29—38)

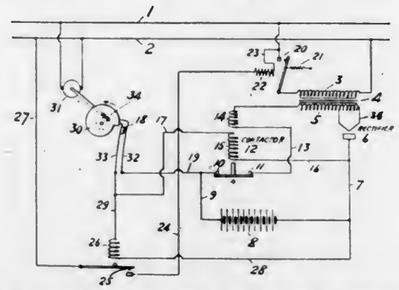
1. In a machine for operating upon collapsible tubes, a turret provided with a series of spaced edge cut-outs forming recesses therein, and means fitted into and filling each of the recesses for supporting a mandrel, said means including a flat block radially slidable in and of substantially the same thickness as that of the turret and of the recess, wedge means for engaging the innermost edge of the block for adjusting the

block radially of the mandrel, and means for clamping the block in its adjusted position comprising a pair of plates each engaging an edge



portion of the block and a part of the turret adjacent the recess, and means for pressing said plates laterally into block clamping position.

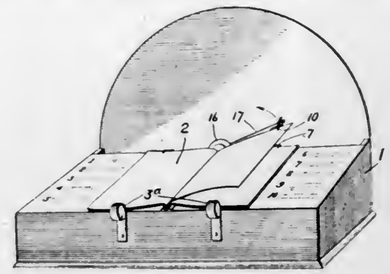
2,070,541
STORAGE BATTERY CHARGE CONTROL
Frank G. Beetem, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application August 9, 1934, Serial No. 739,075
5 Claims. (Cl. 171—314)



1. In combination, an A. C. supply circuit, a transformer provided with primary and secondary windings whereof the primary is normally connected to the supply circuit, a storage battery, a charging circuit for the battery connected to the secondary winding of the transformer, a thermionic rectifier interposed in said charging circuit, said rectifier having a cathode filament connected to the secondary winding to receive heating current therefrom, means responsive to the battery voltage for interrupting the primary circuit, contacts in the charging circuit for opening and closing the same, means adapted to close said contacts, and means for periodically and simultaneously nullifying and then restoring said interrupting means and said closing means.

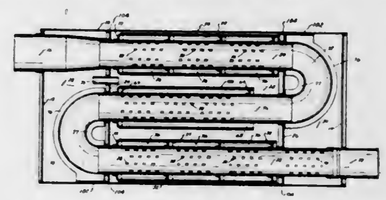
2,070,542
ADVERTISING APPARATUS
Egbert F. Brown, Haddonfield, N. J., assignor to Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 17, 1936, Serial No. 64,251
5 Claims. (Cl. 40—104)

1. Advertising apparatus for displaying selected portions of the contents of a magazine or serial, comprising in combination a housing having means for clamping the magazine at the back thereof, a series of arms adapted for connection with selected pages of the magazine and concentrically pivoted in line with the hinge of the magazine, lateral projections on said arms in superposed relation and in steplike disposition in respect to the axis of the arms, an endwise movable bar having a spring finger adapted to engage said extensions in succession to open the book and having a spring pawl for engaging one of the extensions to close the book, a carrier rotatable in two directions and on which the bar is mounted for endwise movement, two sets of rack and pinion mechanism for shifting the bar end-



wise, a fixed stud upon which the pinions of said mechanism are mounted, one for rotation in one direction and the other for oscillation, the oscillating pinion being segmental, and mechanism for rotating the carrier and bar about the axis of the stud in two directions substantially as described.

2,070,543
MUFFLER
Beecher B. Cary and Charles Hollerith, Jackson, Mich., assignors to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application January 13, 1936, Serial No. 58,799
10 Claims. (Cl. 181—54)

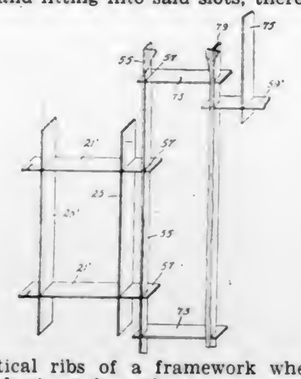


1. A muffler for internal combustion engines comprising an outer casing, a conduit made up of a plurality of sections collectively defining a retroverted passage for exhaust gases through said casing including inlet and outlet sections at the extremities thereof, spaced sections disposed longitudinally of the casing, angular sections connecting said spaced sections, said conduit being continuous and of substantially the same general cross-sectional area throughout its entire length, acoustic wave attenuating structure embracing portions of said conduit, and means defining communication between said conduit and said structure.

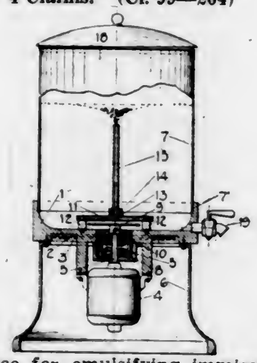
2,070,544
DISPLAY
Lynn J. Clark, Cleveland, Ohio, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application September 3, 1935, Serial No. 38,935
6 Claims. (Cl. 248—174)

1. A display spread comprising a framework, superposed series of horizontal sills successively partially overlapping and constituting part of said framework, a covering of sheet material concealing said sills, said sills having slots therein which are vertically aligned in successive super-

imposed sills, said covering having portions inturned and fitting into said slots, thereby forming vertical ribs of a framework whereof the sills are horizontal members.



2,070,545
EMULSIFICATION DEVICE
Riley L. Gilbert, Chicago, Ill., assignor to Riley L. Gilbert, L. L. Davis, Jr., and Arthur J. Ferguson, as trustees of a common law trust estate entitled The Gilbert Foundation, all of Chicago, Ill.
Application November 24, 1933, Serial No. 699,551
4 Claims. (Cl. 99—264)



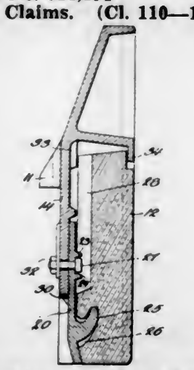
1. A device for emulsifying immiscible fluids including liquids which comprises a vessel for containing the said liquids, a rotor disk in said vessel in position to lie beneath the surface of said liquids, said rotor disk being peripherally exposed to liquid in said vessel, a stator having a surface encompassing the area of said rotor disk with a small intervening separating circular space, said stator having a hole therein, a tube communicating by one end with said hole and extending upwardly in the vessel to a point below the level of liquid in the vessel, and means to drive the rotor at high speed, whereby liquid in the vessel is caused to swirl forming a vortex extending to the upper end of said tube for admitting air and liquid into the tube for passage through the space at the rotor disk.

2,070,546
KEY-HOLDER
Jules P. Gits, Chicago, Ill.
Application April 27, 1935, Serial No. 18,562
6 Claims. (Cl. 70—456)

1. A key-holder comprising, in combination, a case open at its sides and ends, means for pivotally supporting a plurality of keys in said case at one end, and a pivotally supported trigger at the other end of said case for moving the keys outwardly from within said case about said pivotal means, said trigger projecting outwardly from one open side intermediate the ends of said case whereby it may be pushed inwardly to extend the keys beyond the opposite side.

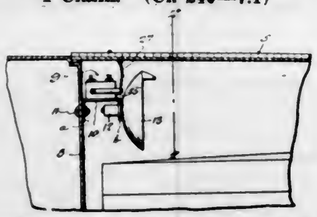


2,070,547
TILE SUPPORT
Henry P. Grohn, Chicago, Ill., assignor to McClave-Brooks Company, Scranton, Pa., a corporation of Pennsylvania
Original application May 6, 1926, Serial No. 107,299. Divided and this application May 28, 1932, Serial No. 614,194
14 Claims. (Cl. 110—173)



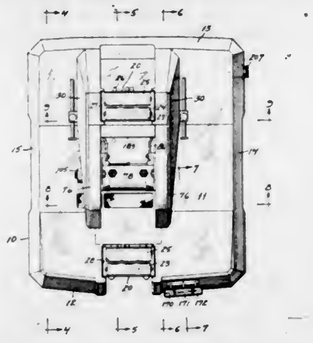
1. In combination, a hopper gate having a plurality of holes and a plurality of tile supports each having a hole connecting with a slot, a headed bolt in each hole and extending thru the slot in each tile support, the holes being of such size as to permit passage of the bolt head therethru, and the slots being of such width as to prevent the passage of said bolt head.

2,070,548
UTILITY LIGHT
George E. Hickey, Sacramento, Calif.
Application January 13, 1936, Serial No. 58,966
1 Claim. (Cl. 240—7.1)



In combination, an automobile hood including a pair of swingable closures, a lamp mounted within the hood, a switch mounted within the hood, said switch including a housing provided with a shaft disposed therethrough, an arm on each end of the shaft outside of the housing, a flexible connection between the free end of each of the arms and a corresponding closure, a plate of insulation secured to the inside of the top of the housing, the top of the housing being provided with openings therein, a pair of contact posts on the plate of insulation projecting through the openings in the housing, one of said contact posts being provided with a contact head exposed on the lower side of the insulation plate, a spring contact finger secured to the plate at one end by the second of said contact posts so as to have the other end thereof closely underlie the contact head, a member in the housing secured to the shaft and being adapted to push the spring contact finger against the contact head when the shaft is rocked by motion transmitted to either of the arms by the closure.

2,070,549
PRINTING MACHINE
Carl J. Hueber, Cleveland Heights, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application February 5, 1936, Serial No. 62,416
19 Claims. (Cl. 101—56)

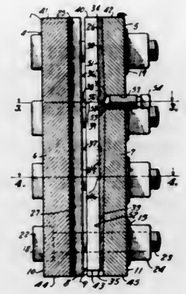


1. In a printing machine, a frame, a magazine extending upwardly from said frame and adapted to receive a plurality of individual printing devices, a guideway extending from beneath said magazine across the frame, means to intermittently feed printing devices one at a time from said magazine along said guideway into a printing position, a pair of arms carried by said magazine spaced above and extending parallel with said guideway, a platen mounted on said arms and adapted to coact with the device in printing position and means to operate said feeding mechanism and said platen.

9. In a series printing machine, the combination of power means for feeding printing devices in succession to printing position, power means for printing from said devices while in printing position, a manual key for controlling the feeding means, a second manual key for controlling the printing means, and a third manual key, the operation of which actuates both of the keys heretofore mentioned.

2,070,550
CLAMP
Jack Anthony, Tulsa, Okla., assignor, by mesne assignments, of sixty per cent to Frank P. Collins and forty per cent to George Krell, both of Sapulpa, Okla.
Application December 16, 1935, Serial No. 54,705
14 Claims. (Cl. 24—243)

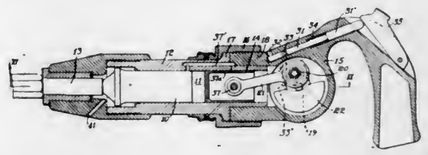
1. A clamp including a clamp body, and separate slips having wedge-like mounting in the clamp body for movement toward the respective ends of the clamp body for simultaneously gripping a member secured by the clamp when the clamp is engaged with said member.



2,070,551
CORE COMPOSITION FOR PLASTER BOARD
George D. King, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 21, 1932, Serial No. 634,147
3 Claims. (Cl. 154—2)

3. The process of making a composition board which comprises incorporating karaya gum with calcined gypsum, producing a plastic mass from the resulting mixture by the addition of water, placing the plastic mass between paper cover-sheets and permitting the same to set, and then drying the thus formed board at temperatures which are high enough normally to cause partial calcination of the therein contained gypsum but whereby the karaya gum by migration to the interface between the plastic mass core and the cover-sheets surrounds the gypsum crystals there located with a film of karaya gum gel, thereby protecting them against calcination, whereby the strength of the gypsum-crystal-bond between the core and the cover sheets is maintained substantially unimpaired.

2,070,552
FREE PISTON PNEUMATIC HAMMER
Samuel Ohlsson, Wilkinsburg, Pa., assignor to Robert A. Rundle, Edgewood, Pa.
Application April 18, 1935, Serial No. 17,001
13 Claims. (Cl. 125—34)



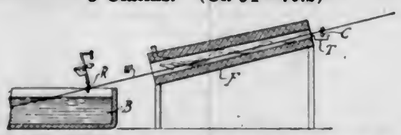
8. In a pneumatic hammer, a cylinder, a piston and a free plunger located within said cylinder, an atmospheric vent passage for establishing communication between the atmosphere

and the space between said piston and plunger within such cylinder, a valve for controlling such communication, and means for positively actuating said valve and said piston in timed relation with each other.

2,070,553
RESINOUS COATING
Joseph C. Pullman, New York, N. Y., assignor to Bert C. Miller, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 17, 1936, Serial No. 96,475
8 Claims. (Cl. 91—68)

6. The combination with a porous flexible foundation, of a high gloss thin film of synthetic resinous material firmly adhering thereto and without substantially penetrating the foundation, said film comprising reaction products formed by the esterification of turpinene-maleic anhydride by polyhydric alcohols, which is hard, flexible, has a blocking point not below about 120° F., is more slowly polymerized with heat than is shellac, and is capable of being applied to said foundation by heat without the aid of a solvent, at least one of said reaction products functioning as a plasticizer for another.

2,070,554
PROCESS OF TREATING GALVANIZED COATINGS
Julian L. Schueler and Chalmer L. Heninger, Kokomo, Ind., assignors to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana
Application May 6, 1935, Serial No. 19,930
3 Claims. (Cl. 91—70.2)

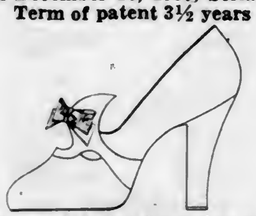


1. In the art of continuously galvanizing wire by the hot dipping process, the steps of advancing the wire with the applied zinc coating still molten through a zone of relatively high temperature sufficient to raise the temperature of the molten coating to a point beyond that previously acquired, and thereafter immediately advancing the coating through a thin water curtain the temperature and volume of which in relation to the speed of wire travel is so regulated as to chill the coating but not the wire base interiorly thereof.

DESIGNS

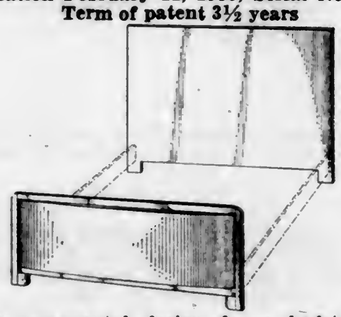
FEBRUARY 9, 1937

103,091
DESIGN FOR A SHOE
Thomas R. Atkins, Cliftondale, Mass., assignor to Colella and Leighton Shoe Company, Lynn, Mass., a corporation of Massachusetts
Application December 16, 1936, Serial No. 66,575
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

103,092
DESIGN FOR A BEDSTEAD
Rudolf Braun, Brooklyn, N. Y., assignor to Red Lion Table Company, Red Lion, Pa., a corporation of Pennsylvania
Application February 11, 1936, Serial No. 61,082
Term of patent 3½ years



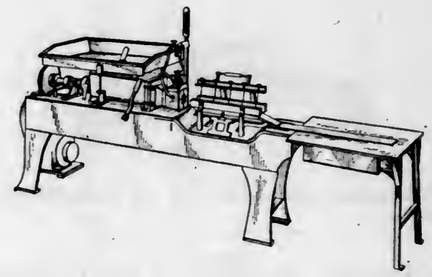
The ornamental design for a bedstead, as shown.

103,093
DESIGN FOR A TEXTILE FABRIC
Abraham A. Chiat, New York, N. Y.
Application January 6, 1937, Serial No. 66,925
Term of patent 3½ years



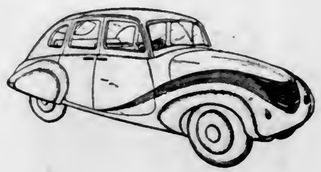
The ornamental design for a textile fabric, substantially as shown.

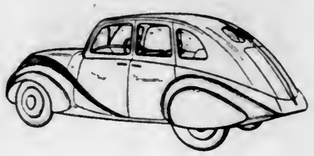
103,094
DESIGN FOR A DAIRY PRODUCT PRINT MACHINE
Charles Doering, Chicago, Ill.
Application December 21, 1935, Serial No. 60,220
Term of patent 14 years



The ornamental design for a dairy product print machine substantially as shown and described.

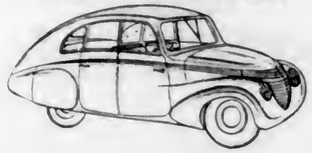
103,095
DESIGN FOR AN AUTOMOBILE
Douglas Frederick Harold Fitzmaurice, London, England
Application October 23, 1936, Serial No. 65,440
In Great Britain June 26, 1936
Term of patent 14 years

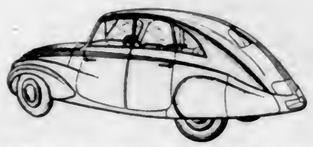




The ornamental design for an automobile as shown.

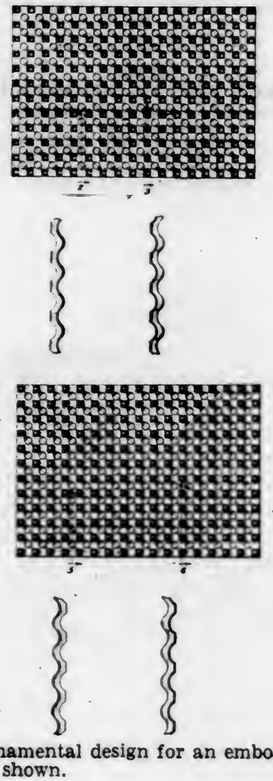
103,096
DESIGN FOR AN AUTOMOBILE
Douglas Frederick Harold Fitzmaurice, London, England
Application November 14, 1936, Serial No. 65,913
In Great Britain July 4, 1936
Term of patent 14 years





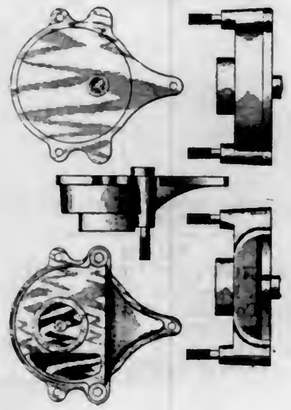
The ornamental design for an automobile as shown.

103,097
DESIGN FOR AN EMBOSSED METAL SHEET
Edgar E. George, Canton, Ohio, assignor to Dura-Products Manufacturing Co., Canton, Ohio, a corporation of Ohio
Application February 24, 1936, Serial No. 61,324
Term of patent 3½ years



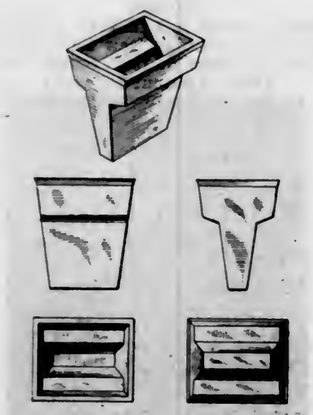
The ornamental design for an embossed metal sheet, as shown.

103,098
DESIGN FOR A GEAR MECHANISM CASING FOR CLOCKS OR SIMILAR ARTICLES
William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana
Application September 3, 1936, Serial No. 64,710
Term of patent 14 years



The ornamental design for a gear mechanism casing for clocks or similar articles, substantially as shown.

103,099
DESIGN FOR AN EDIBLE CUP
Leo A. Helfgott, Brooklyn, N. Y.
Application May 14, 1935, Serial No. 56,834
Term of patent 3½ years



The ornamental design for an edible cup as shown.

103,100
DESIGN FOR A TRUSS ROD UNIT
Harry H. Henry, Chicago, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application November 2, 1936, Serial No. 65,655
Term of patent 14 years



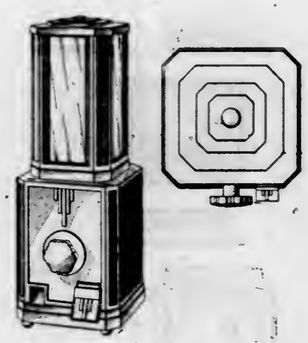
The ornamental design for a truss rod unit, as shown.

103,101
DESIGN FOR A JAR
Paul L. Herrick, Chicago, Ill., assignor to Independent Grocers' Alliance Distributing Co., Chicago, Ill., a corporation of Illinois
Application December 5, 1936, Serial No. 66,340
Term of patent 14 years



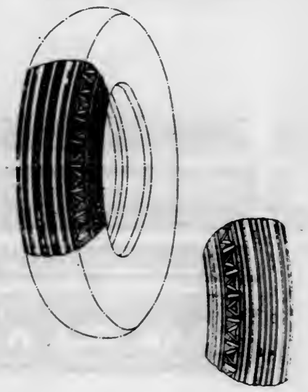
The ornamental design for a jar substantially as shown.

103,102
DESIGN FOR A VENDING MACHINE OR THE LIKE
Fairfield W. Hoban, New York, N. Y., assignor to Stewart and McGuire, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1936, Serial No. 60,746
Term of patent 7 years



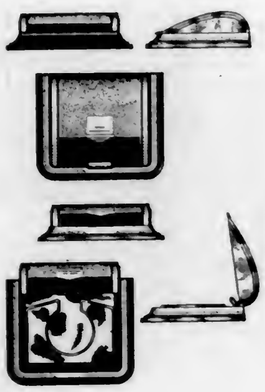
The ornamental design for a vending machine or the like, as shown.

103,103
DESIGN FOR AN AUTOMOBILE TIRE
Harry C. Hower, Chicago, Ill.
Application November 9, 1936, Serial No. 65,786
Term of patent 7 years



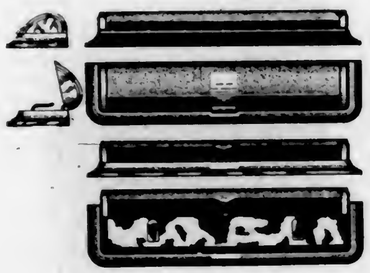
The ornamental design for an automobile tire, as shown.

103,104
DESIGN FOR A POCKET WATCH DISPLAY BOX
Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application November 17, 1936, Serial No. 65,988
Term of patent 7 years



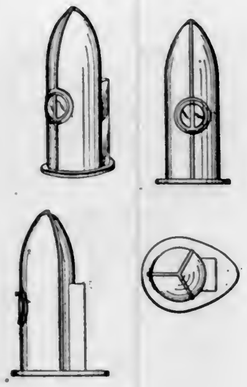
The ornamental design for a pocket watch display box substantially as shown.

103,105
DESIGN FOR A STRAP WATCH DISPLAY BOX
Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application November 17, 1936, Serial No. 65,989
Term of patent 7 years



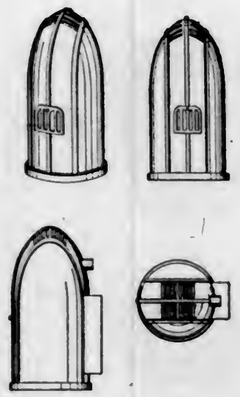
The ornamental design for a strap watch display box substantially as shown.

103,106
DESIGN FOR A HEATER CASING OR SIMILAR ARTICLE
Peter Kilham, Santa Fe, N. Mex.
Application December 28, 1936, Serial No. 66,757
Term of patent 3½ years



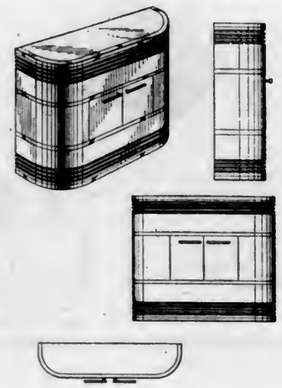
The ornamental design for a heater casing or similar article, as shown.

103,107
DESIGN FOR A HEATER CASING OR SIMILAR ARTICLE
Peter Kilham, Santa Fe, N. Mex.
Application December 28, 1936, Serial No. 66,756
Term of patent 3½ years



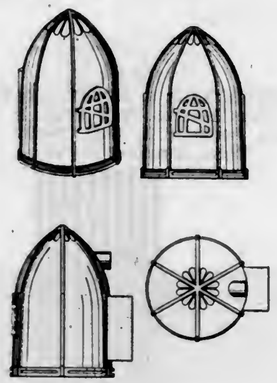
The ornamental design for a heater casing or similar article, as shown.

103,108
DESIGN FOR A HEATER CASING OR SIMILAR ARTICLE
Peter Kilham, Santa Fe, N. Mex.
Application December 28, 1936, Serial No. 66,759
Term of patent 3½ years



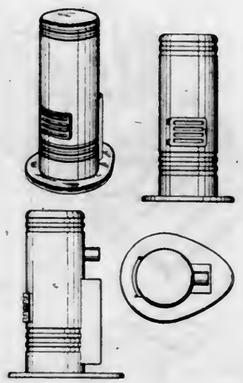
The ornamental design for a heater casing or similar article, as shown.

103,109
DESIGN FOR A HEATER CASING OR SIMILAR ARTICLE
Peter Kilham, Santa Fe, N. Mex.
Application December 28, 1936, Serial No. 66,760
Term of patent 3½ years



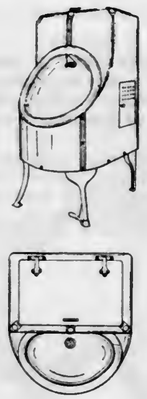
The ornamental design for a heater casing or similar article, as shown.

103,110
DESIGN FOR A HEATER CASING OR SIMILAR ARTICLE
Peter Kilham, Santa Fe, N. Mex.
Application December 28, 1936, Serial No. 66,761
Term of patent 3½ years



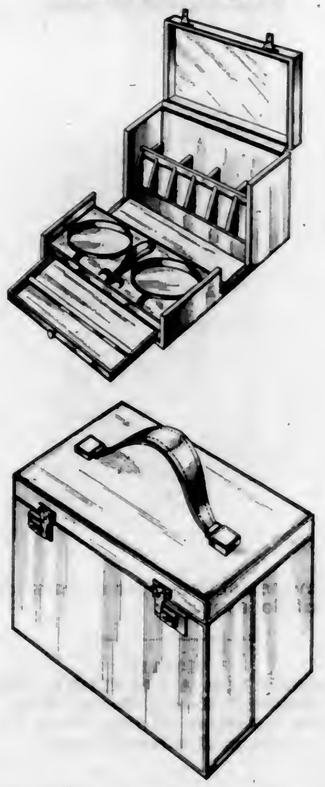
The ornamental design for a heater casing or similar article, as shown.

103,111
DESIGN FOR A LAVATORY UNIT
Walter W. Krolop, Bagley, Minn.
Application November 23, 1936, Serial No. 66,101
Term of patent 7 years



The ornamental design for a lavatory unit, substantially as shown.

103,112
DESIGN FOR A TOILETRY CASE
Florence N. Lewis, New York, N. Y.
Application November 7, 1936, Serial No. 65,762
Term of patent 7 years



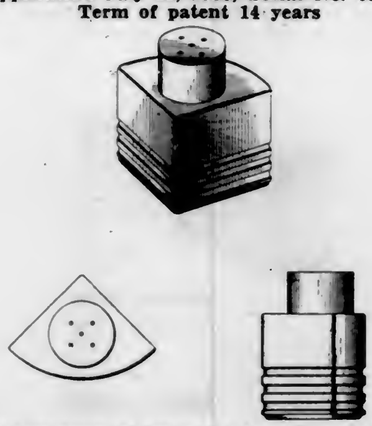
The ornamental design for a toiletry case, as shown and described.

103,113
DESIGN FOR A SHOE
Morris Lippert, Brooklyn, N. Y.
Application December 19, 1936, Serial No. 66,643
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

103,114
DESIGN FOR A CONDIMENT SHAKER
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 15, 1936, Serial No. 63,857
Term of patent 14 years



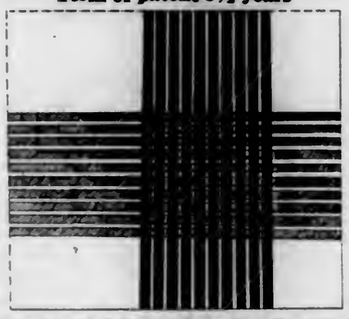
The ornamental design for a condiment shaker, substantially as shown.

103,115
DESIGN FOR AN ASHTRAY
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 29, 1936, Serial No. 62,368
Term of patent 14 years



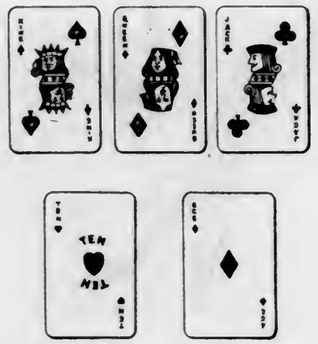
The ornamental design for an ashtray substantially as shown.

103,116
DESIGN FOR A HANDKERCHIEF
Julius Marcus, New York, N. Y.
Application January 2, 1937, Serial No. 66,855
Term of patent 3½ years



The ornamental design for a handkerchief substantially as shown and described.

103,117
DESIGN FOR A DECK OF PLAYING CARDS
James McQuitty, Bangor, Northern Ireland
Application November 27, 1936, Serial No. 66,173
In Great Britain November 10, 1936
Term of patent 14 years



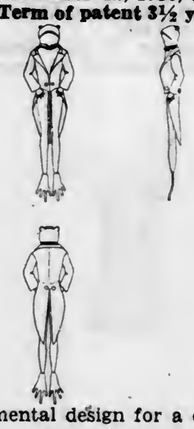
The ornamental design for a deck of playing cards as shown, and described.

103,118
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE OF FOOTWEAR
Jack Meltzer, New York, N. Y.
Application December 1, 1936, Serial No. 66,231
Term of patent 3½ years



The ornamental design for a slipper or similar article of footwear substantially as shown and described.

103,119
DESIGN FOR A DOLL
Emeline Packard Miles, Peoria, Ill.
Application November 12, 1936, Serial No. 65,865
Term of patent 3½ years



The ornamental design for a doll as shown.

103,120
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Yasuhisa Mogi, New York, N. Y., assignor to Maison Joubert, Inc., New York, N. Y., a corporation of New York
Application December 18, 1936, Serial No. 66,620
Term of patent 14 years



The ornamental design for a bottle or similar container as shown.

103,121
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Yasuhisa Mogi, New York, N. Y., assignor to Maison Joubert, Inc., New York, N. Y., a corporation of New York
Application December 18, 1936, Serial No. 66,621
Term of patent 14 years



The ornamental design for a bottle or similar container, as shown.

103,122
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Yasuhisa Mogi, New York, N. Y., assignor to Maison Joubert, Inc., New York, N. Y., a corporation of New York
Application December 18, 1936, Serial No. 66,623
Term of patent 14 years





The ornamental design for a bottle or similar container, as shown.

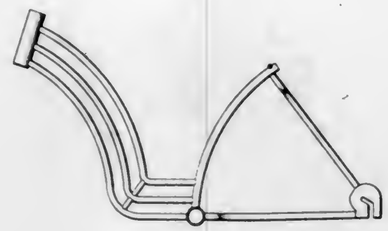
103,123
DESIGN FOR A PIANO CASE
Victor M. Montoya, Caracas, Venezuela
Application September 15, 1936, Serial No. 64,871
Term of patent 7 years





The ornamental design for a piano case, as shown.

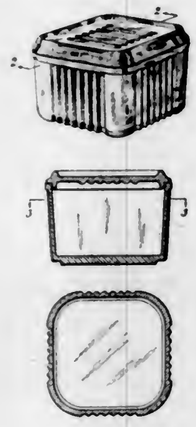
103,124
DESIGN FOR A FRAME FOR A GIRL'S BICYCLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 24, 1936, Serial No. 62,272
Term of patent 14 years





The ornamental design for a frame for a girl's bicycle, as shown.

103,125
DESIGN FOR A GLASS REFRIGERATOR DISH OR ARTICLE OF SIMILAR NATURE
Albert H. Nicholson, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a corporation of Ohio
Application December 15, 1936, Serial No. 66,529
Term of patent 14 years



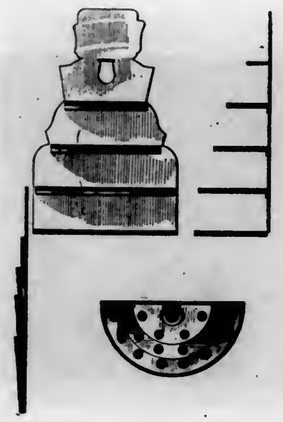
The ornamental design for a glass refrigerator dish or article of similar nature, as shown.

103,126
DESIGN FOR A SHOE
Theodore Samuels, St. Louis, Mo.
Application November 10, 1936, Serial No. 65,824
Term of patent 3½ years



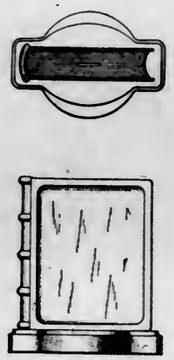
The ornamental design for a shoe substantially as shown and described.

103,127
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Eugene Schwartz, Philadelphia, Pa., assignor to The Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 31, 1936, Serial No. 65,623
Term of patent 7 years



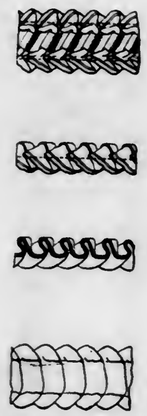
The ornamental design for a display stand or similar article as shown and described.

103,128
DESIGN FOR A TOY BANK
Edward Sheer, New York, N. Y.
Application October 24, 1936, Serial No. 65,475
Term of patent 7 years



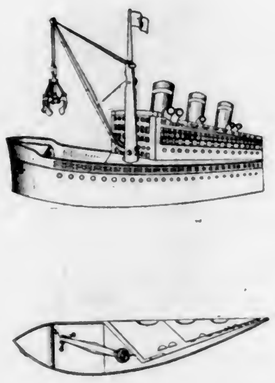
The ornamental design for a toy bank, as shown.

103,129
DESIGN FOR A TRIMMING FOR DRESSES, SUITS, AND COATS
Victor J. Sigoda, Brooklyn, N. Y., assignor to Manhattan Scalloping & Embroidery Works, New York, N. Y., a firm composed of Julius Markowitz and Mark Sigoda
Application December 17, 1936, Serial No. 66,599
Term of patent 14 years



The ornamental design for a trimming for dresses, suits and coats, substantially as shown and described.

103,130
DESIGN FOR A DEVICE FOR VENDING MACHINES
Carl R. Simpkins, Inglewood, Calif., assignor to John Franklin Meyer, Pasadena, Calif.
Application October 16, 1936, Serial No. 65,327
Term of patent 3½ years



The ornamental design for a device for vending machines, as shown.

103,131
DESIGN FOR A FLOWER EXHIBITING DEVICE
Robert W. Simpson, New York, N. Y.
Application October 26, 1936, Serial No. 65,496
Term of patent 14 years



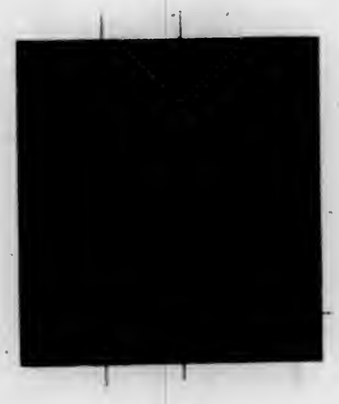
The ornamental design for a flower exhibiting device as shown.

103,132
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application November 19, 1936, Serial No. 66,011
Term of patent 3½ years



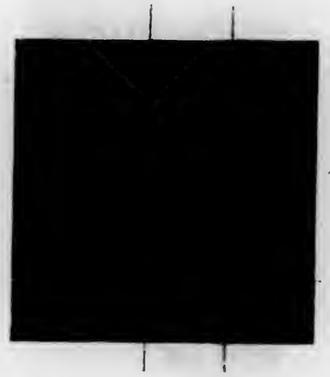
The ornamental design for a shoe substantially as shown.

103,133
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 14, 1937, Serial No. 67,050
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,134
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 14, 1937, Serial No. 67,051
Term of patent 3½ years



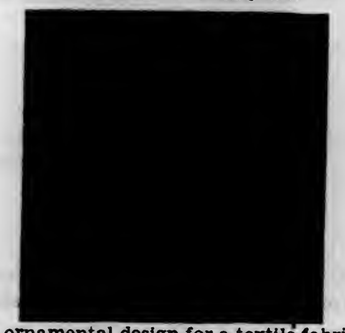
The ornamental design for a textile fabric, substantially as shown, and described.

103,135
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 14, 1937, Serial No. 67,052
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,136
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 14, 1937, Serial No. 67,053
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

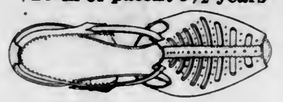
103,137
DESIGN FOR A CASE OR SIMILAR ARTICLE
Walfrid Wallenthin, Attleboro, Mass.
Application June 11, 1936, Serial No. 63,240
Term of patent 14 years

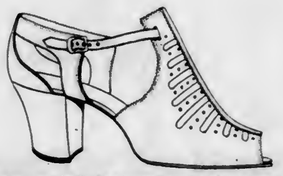




The ornamental design for a case or similar article substantially as shown.

103,138
DESIGN FOR A SHOE
Ben Weiner, Brookline, Mass.
Application December 17, 1936, Serial No. 66,591
Term of patent 3½ years





The ornamental design for a shoe, as shown.

103,139
DESIGN FOR A SHOE
Ben Weiner, Brookline, Mass.
Application December 17, 1936, Serial No. 66,592
Term of patent 3½ years



The ornamental design for a shoe, as shown.

103,140
DESIGN FOR A COMBINED WEEDING AND FERTILIZING GUN
Godfrey B. Wettstein, Portland, Oreg.
Application November 18, 1936, Serial No. 65,990
Term of patent 14 years



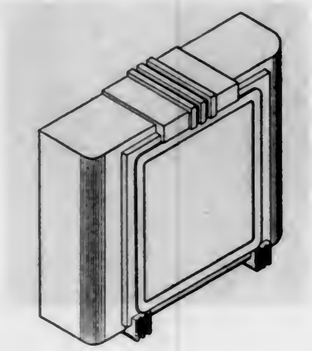
The ornamental design for a combined weeding and fertilizing gun, substantially as shown.

103,141
DESIGN FOR A COMPOUND TOOL
Edward L. White, San Angelo, Tex.
Application October 10, 1936, Serial No. 65,251
Term of patent 7 years



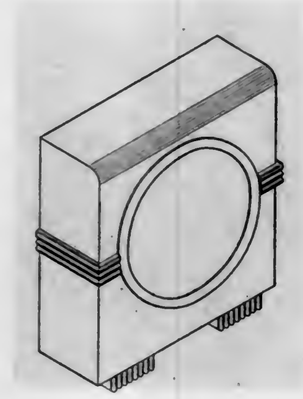
The ornamental design for a compound tool as shown and described.

103,142
DESIGN FOR A CLOCK CASE
Othneil G. Williams, Winsted, Conn., assignor to William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut
Application November 20, 1936, Serial No. 66,042
Term of patent 3½ years



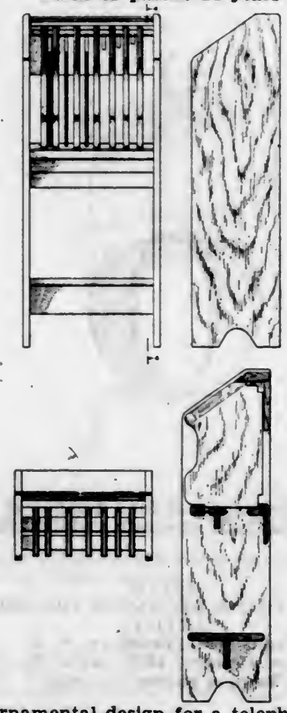
The ornamental design for a clock case, as shown.

103,143
DESIGN FOR A CLOCK CASE
Othneil G. Williams, Winsted, Conn., assignor to William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut
Application November 20, 1936, Serial No. 66,043
Term of patent 3½ years



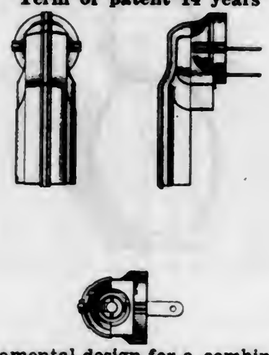
The ornamental design for a clock case, as shown.

103,144
DESIGN FOR A TELEPHONE DIRECTORY CABINET
Harry I. Beardsley, Chatham, N. J., and John M. Hayward, Crestwood, N. Y., assignors to Bell Telephone Laboratories Incorporated, New York, N. Y., a corporation of New York
Application November 7, 1936, Serial No. 65,770
Term of patent 14 years



The ornamental design for a telephone directory cabinet as shown.

103,145
DESIGN FOR A COMBINED CONTACT PLUG, LAMP SOCKET, AND SHADE
George B. Benander, Yalesville, Conn., assignor to The Monowatt Electric Corporation, a corporation of Connecticut
Application June 12, 1936, Serial No. 63,244
Term of patent 14 years



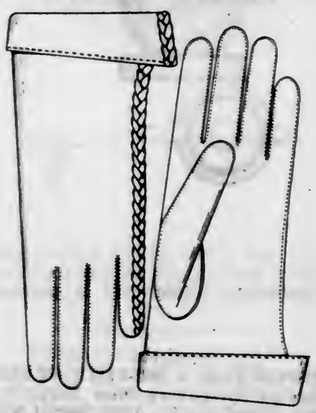
The ornamental design for a combined contact plug, lamp socket and shade, as shown.

103,146
DESIGN FOR A FINGER RING
Alfred E. Dixon, Providence, R. I., assignor to Ostby and Barton Company, a corporation of Rhode Island
Application December 15, 1936, Serial No. 66,540
Term of patent 3½ years



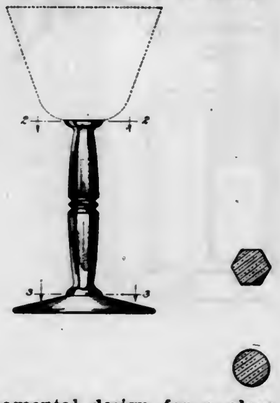
The ornamental design for a finger ring substantially as shown and described.

103,147
DESIGN FOR A GLOVE
John E. Fuchs, New York, N. Y.
Application January 8, 1937, Serial No. 66,961
Term of patent 3½ years



The ornamental design for a glove, substantially as shown.

103,148
DESIGN FOR A GLASS
Edwin W. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 10, 1936, Serial No. 66,459
Term of patent 14 years



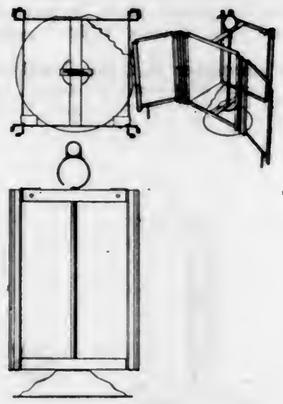
The ornamental design for a glass substantially as shown and described.

103,149
DESIGN FOR A PERCOLATOR
Robert Heller, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application August 4, 1936, Serial No. 64,240
Term of patent 14 years



The ornamental design for a percolator as shown.

103,150
DESIGN FOR A DISPLAY STAND
S. Charles Hirschberg, New York, N. Y.
Application November 21, 1936, Serial No. 66,076
Term of patent 7 years



The ornamental design for a display stand, as shown and described.

103,151
DESIGN FOR A DECANTER OR SIMILAR ARTICLE
Frank Katz, Brooklyn, N. Y.
Application June 19, 1936, Serial No. 63,379
Term of patent 3½ years



The ornamental design for a decanter or similar article substantially as shown and described.

103,152
DESIGN FOR A DECANTER OR SIMILAR ARTICLE
Frank Katz, Brooklyn, N. Y.
Application June 19, 1936, Serial No. 63,380
Term of patent 3½ years



The ornamental design for a decanter or similar article substantially as shown and described.

103,153
DESIGN FOR A STORAGE BATTERY CELL COVER
Charles L. Keller, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 27, 1935, Serial No. 56,080
Term of patent 7 years



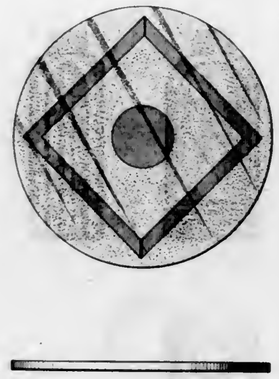
The ornamental design for a storage battery cell cover as shown and described.

103,154
DESIGN FOR A BOTTLE
Angus B. Kennedy, Hanover, Pa., assignor to Hickory Town Distilling Co., Hanover, Pa., a corporation of Pennsylvania
Application November 25, 1936, Serial No. 66,138
Term of patent 14 years



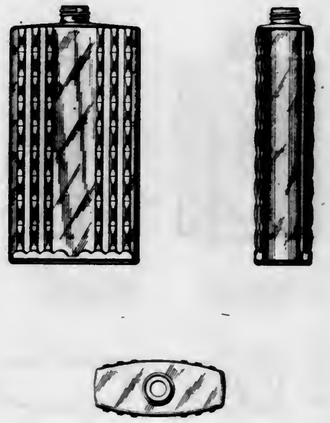
The ornamental design for a bottle, as shown.

103,155
DESIGN FOR A LENS FOR SIGNAL LAMPS
Paul C. Koeber, Bellmore, N. Y.
Application December 18, 1936, Serial No. 66,617
Term of patent 14 years



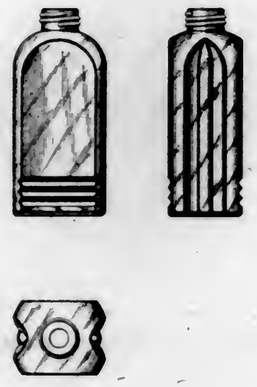
The ornamental design for a lens for signal lamps, substantially as shown and described.

103,156
DESIGN FOR A BOTTLE
William R. Kohl, Cumberland, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application December 4, 1936, Serial No. 66,317
Term of patent 14 years



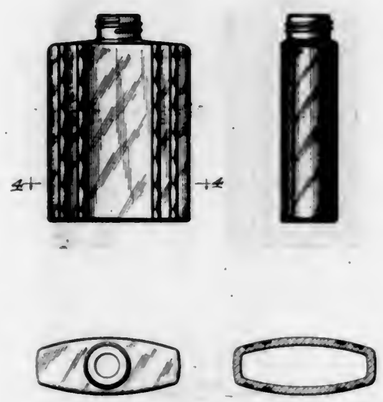
The ornamental design for a bottle, as shown.

103,157
DESIGN FOR A BOTTLE
William R. Kohl, Cumberland, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application December 4, 1936, Serial No. 66,318
Term of patent 14 years



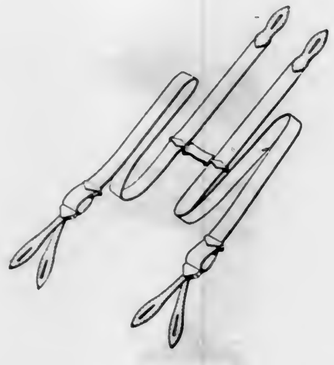
The ornamental design for a bottle, as shown.

103,158
DESIGN FOR A BOTTLE
William R. Kohl, Cumberland, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application December 4, 1936, Serial No. 66,319
Term of patent 14 years



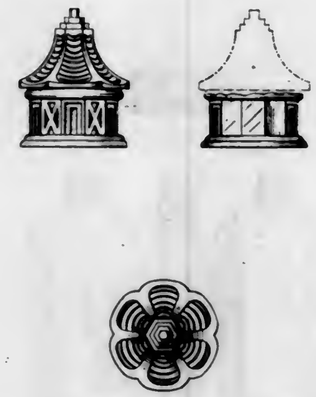
The ornamental design for a bottle, as shown.

103,159
DESIGN FOR SUSPENDERS
Floyd A. Knoll, Buffalo, N. Y., assignor to Condor Products, Inc., Buffalo, N. Y.
Application September 30, 1936, Serial No. 65,094
Term of patent 14 years



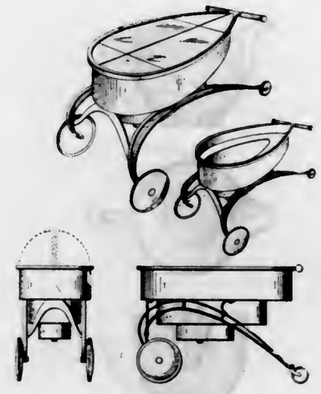
The ornamental design for suspenders, as shown.

103,160
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Yasuhisa Mogi, New York, N. Y., assignor to Maison Joubert, Inc., New York, N. Y., a corporation of New York
Application December 18, 1936, Serial No. 66,622
Term of patent 14 years



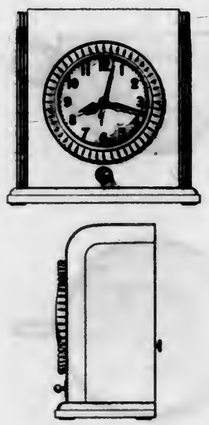
The ornamental design for a bottle or similar container, as shown and described.

103,161
DESIGN FOR A COMBINED SERVICE WAGON AND PERAMBULATOR
Otto F. Opperman and Gilbert Betancourt, Santa Monica, Calif.
Application April 25, 1936, Serial No. 62,311
Term of patent 3½ years



The ornamental design for a combined service wagon and perambulator, as shown and described.

103,162
DESIGN FOR A TIMER CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1936, Serial No. 66,631
Term of patent 14 years



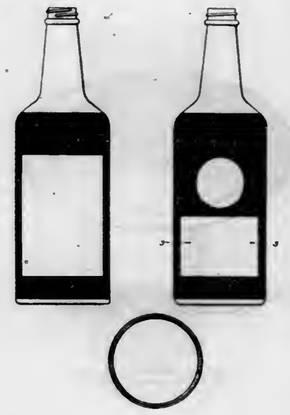
The ornamental design for a timer case as shown.

103,163
DESIGN FOR A CLOSURE CAP
Willis M. Rose, Montclair, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey
Application August 22, 1935, Serial No. 58,241
Term of patent 14 years



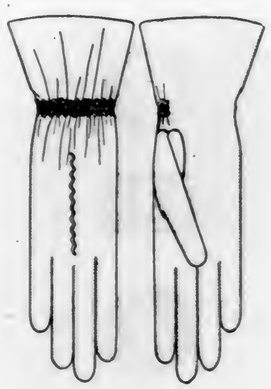
The ornamental design for a closure cap, as shown and described.

103,164
DESIGN FOR A BOTTLE
Reuben Robert Smith, Exton, Pa.
Application April 26, 1935, Serial No. 56,594
Term of patent 3½ years



The ornamental design for a bottle as shown.

103,165
DESIGN FOR A GLOVE
Sylvan M. Straus, Gloversville, N. Y.
Application January 6, 1937, Serial No. 66,927
Term of patent 3½ years



The ornamental design for a glove, substantially as shown.

103,166
DESIGN FOR A PLATTER
Anne Swainson, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application June 29, 1936, Serial No. 63 553
Term of patent 7 years



The ornamental design for a platter, as shown.

103,167
DESIGN FOR A PITCHER
Anne Swainson, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application June 29, 1936, Serial No. 63,555
Term of patent 7 years



The ornamental design for a pitcher, as shown.

103,168
DESIGN FOR A CUP
Anne Swainson, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application June 29, 1936, Serial No. 63,556
Term of patent 7 years



The ornamental design for a cup, as shown.

103,169
DESIGN FOR A COVERED DISH
Anne Swainson, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application June 29, 1936, Serial No. 63,557
Term of patent 7 years



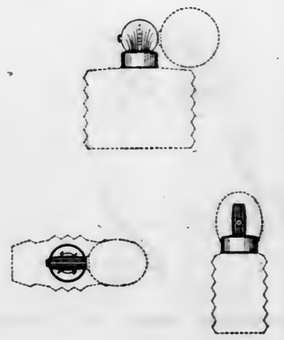
The ornamental design for a covered dish, as shown.

103,170
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Alfred Vamos, Brooklyn, N. Y., assignor to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York
Application December 24, 1936, Serial No. 66,733
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,171
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio
Application January 2, 1937, Serial No. 66,862
Term of patent 7 years



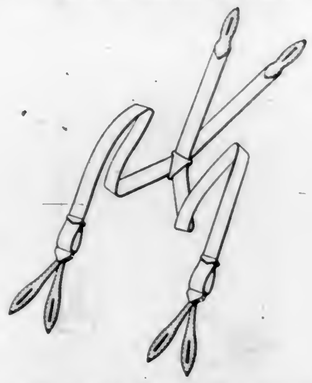
The ornamental design for an atomizer, substantially as shown and described.

103,172
DESIGN FOR A SHIELD FOR AN AUTOMOBILE RADIATOR
Ben Wengard, Waterloo, Iowa
Application August 21, 1936, Serial No. 64,508
Term of patent 7 years



The ornamental design for a shield for an automobile radiator, as shown and described.

103,173
DESIGN FOR SUSPENDERS
Floyd A. Knoll, Buffalo, N. Y., assignor to Condor Products, Inc., Buffalo, N. Y.
Application September 30, 1936, Serial No. 35,095
Term of patent 14 years



The ornamental design for suspenders as shown.

103,174
DESIGN FOR A SUSPENDER FITTING
Floyd A. Knoll, Buffalo, N. Y., assignor to Condor Products, Inc., Buffalo, N. Y.
Application November 16, 1936, Serial No. 65,941
Term of patent 14 years



The ornamental design for a suspender fitting, as shown and described.

103,175
DESIGN FOR A SUSPENDER FITTING
Floyd A. Knoll, Buffalo, N. Y., assignor to Condor Products, Inc., Buffalo, N. Y.
Application November 16, 1936, Serial No. 65,942
Term of patent 14 years



The ornamental design for a suspender fitting, as shown.

103,176
DESIGN FOR A BUCKLE
Floyd A. Knoll, Buffalo, N. Y., assignor to Condor Products, Inc., Buffalo, N. Y.
Application November 3, 1936, Serial No. 65,680
Term of patent 14 years

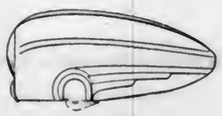




The ornamental design for a buckle, as shown.

103,177
DESIGN FOR A LAMP
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio
Application December 17, 1936, Serial No. 66,598
Term of patent 7 years







The ornamental design for a lamp substantially as shown and described.

103,178
DESIGN FOR A TEXTILE FABRIC
Joseph George Levy, New York, N. Y.
Application January 2, 1937, Serial No. 66,856
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

103,179
DESIGN FOR A BOTTLE DECAPPER
Theodore H. Low, New Haven, and Harry Laylon, Waterbury, Conn.; said Laylon assignor to said Low
Application May 29, 1936, Serial No. 62,908
Term of patent 14 years





The ornamental design for a bottle decapper substantially as shown and described.

103,180
DESIGN FOR A SHOE
Edwin W. McCain, St. Louis, Mo., assignor to Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application December 19, 1936, Serial No. 66,649
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

103,181
DESIGN FOR A SHOE
Edwin W. McCain, St. Louis, Mo., assignor to Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application December 19, 1936, Serial No. 66,652
Term of patent 3½ years

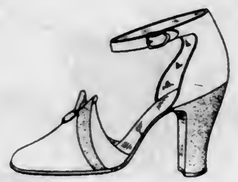




The ornamental design for a shoe substantially as shown and described.

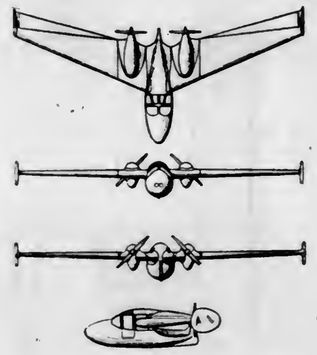
103,182
DESIGN FOR A SHOE
Edwin W. McCain, St. Louis, Mo., assignor to Wolff-Tober Shoe Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application December 19, 1936, Serial No. 66,653
Term of patent 3½ years





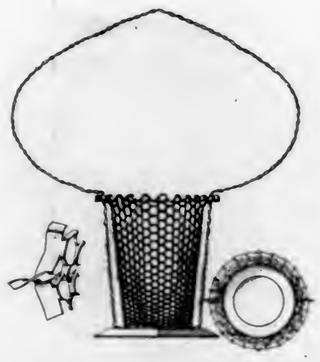
The ornamental design for a shoe substantially as shown and described.

103,183
DESIGN FOR AN AIRPLANE
Walter F. McGinty, Alameda, Calif., assignor to Batwing Aircraft Company, a copartnership, Alameda, Calif.
Application June 29, 1936, Serial No. 63,573
Term of patent 7 years



The ornamental design for an airplane, substantially as shown.

103,184
DESIGN FOR A METAL FLOWER BASKET
Thomas W. Meyers, Lakewood, and Edward F. Gravenstreter, Rocky River, Ohio
Application October 20, 1936, Serial No. 65,386
Term of patent 14 years



The ornamental design for a metal flower basket, as shown.

103,185
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application December 11, 1936, Serial No. 66,474
Term of patent 3½ years



The ornamental design for a dress as shown.

103,186
DESIGN FOR A COAT
Isidor Greenberg, University City, Mo., assignor to Greenberg Garment Company, St. Louis, Mo., a corporation of Missouri
Application June 13, 1936, Serial No. 63,286
Term of patent 3½ years



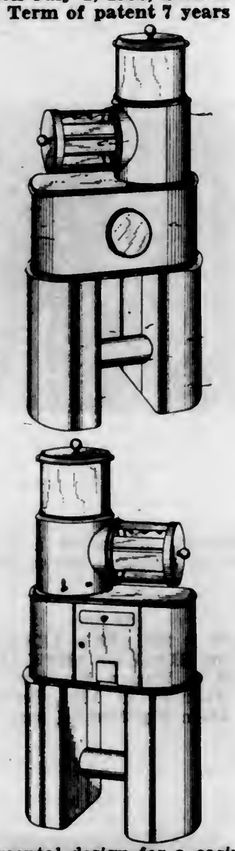
The ornamental design for a coat substantially as shown and described.

103,187
DESIGN FOR A SEWING KIT
Lester A. Reynolds, Los Angeles, Calif.
Application May 22, 1936, Serial No. 62,781
Term of patent 7 years



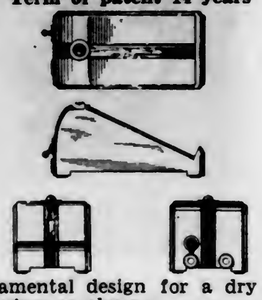
The ornamental design for a sewing kit, substantially as shown.

103,188
DESIGN FOR A CASING FOR COFFEE ROASTING MACHINE
Sanford E. Richeson, Jersey City, N. J., assignor of one-half to Jules Howard, New Rochelle, N. Y.
Application July 1, 1936, Serial No. 63,602
Term of patent 7 years



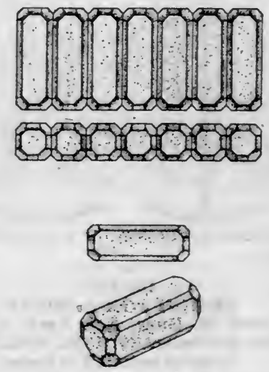
The ornamental design for a casing for coffee roasting machine, as shown.

103,189
DESIGN FOR A DRY CELL REACTIVATOR HOUSING
Joseph H. Staley, Columbus, Ind., assignor to Stirney Electric Corporation, Columbus, Ind.
Application August 8, 1936, Serial No. 64,295
Term of patent 14 years



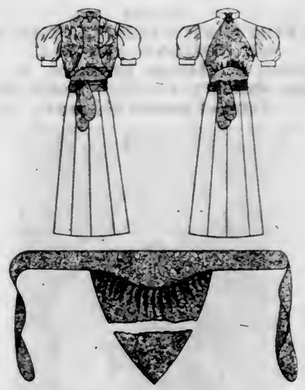
The ornamental design for a dry cell reactivator housing, as shown.

103,190
DESIGN FOR A CAKE OF SOAP
Sinclair G. Stanley, Chicago, Ill.
Application November 6, 1936, Serial No. 65,729
Term of patent 14 years



The ornamental design for a cake of soap as shown and described.

103,191
DESIGN FOR AN ENSEMBLE DRESS
Samuel Dick, Brooklyn, N. Y.
Application December 29, 1936, Serial No. 66,792
Term of patent 7 years



The ornamental design for an ensemble dress, substantially as shown, and described.

103,192
DESIGN FOR A DRESS
Aaron M. Guzy, New York, N. Y.
Application December 30, 1936, Serial No. 66,811
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

103,193
DESIGN FOR A DRESS
Aaron M. Guzy, New York, N. Y.
Application December 30, 1936, Serial No. 66,812
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

103,194
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 67,149
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article, as shown and described.

103,195
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 67,150
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article as shown and described.

103,196
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 67,152
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article as shown and described.

103,197
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 67,153
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article, as shown and described.

103,198
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 67,154
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article, as shown and described.

103,199
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. N. Y.
Application January 19, 1937, Serial No. 67,155
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article as shown and described.

103,200
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 67,156
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article as shown and described.

103,201
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 67,157
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article as shown and described.

103,202
DESIGN FOR A SPORT ENSEMBLE
David S. Roseman, New York, N. Y.
Application December 30, 1936, Serial No. 66,804
Term of patent 3½ years



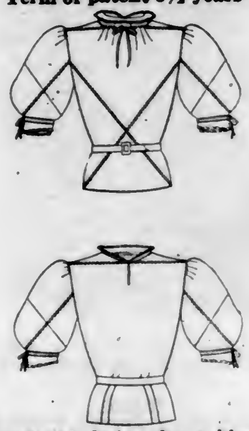
The ornamental design for a sport ensemble, substantially as shown.

103,203
DESIGN FOR A SUIT
Jacob A. Silverman, New York, N. Y.
Application December 30, 1936, Serial No. 66,802
Term of patent 3½ years



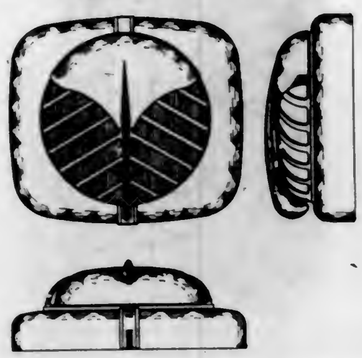
The ornamental design for a suit, substantially as shown.

103,204
DESIGN FOR A BLOUSE
Rose A. Weiss, New York, N. Y.
Application December 30, 1936, Serial No. 66,810
Term of patent 3½ years



The ornamental design for a blouse substantially as shown.

103,205
DESIGN FOR AN AUTOMOBILE HEATER
Clarence R. T. Hess, Prairie View, Ill., assignor to The Defiance Pressed Steel Company, Defiance, Ohio, a corporation of Ohio
Application September 24, 1936, Serial No. 64,998
Term of patent 7 years



The ornamental design for an automobile heater, substantially as shown.

103,206
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 67,151
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article, as shown and described.

Patents Nos. 2,070,555 to 2,071,313

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February 16, 1937

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Labels	7—No.	48,962 to No.	48,968, inclusive.
Prints	4—No.	16,076 to No.	16,079, inclusive.
Reissues	11—No.	20,264 to No.	20,274, inclusive.
Plant Patents	1—No.	235.	
Patents	750—No.	2,070,555 to No.	2,071,313, inclusive.
Designs	85—No.	103,207 to No.	103,291, inclusive.
Total	1,108		

Notice

Trade-Marks—Registration—Class 47—Wines, and Class 49—Distilled Alcoholic Liquors.

In view of the provisions of the Federal Alcohol Administration Act, which became effective August 15, 1936, it is required that there be furnished in every application for the registration of a mark applied to goods falling in Class 47, or in Class 49, a photographic or photostat copy of the certificate of label approval issued by the Federal Alcohol Administration.

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(D. C. Ohio) Horvath plant patent, No. 110, for barberry, *Held* invalid for want of invention and because of knowledge and existence of plant prior to May 23, 1930, and for prior public use. *Cole Nursery Co.* v. *Youdath Perennial Gardens*, 17 F. Supp. 159.

(C. C. A. N. Y.) Snyder patent, No. 1,866,779, for washing machine, claims 23 and 26 *Held* invalid. *Maytag Co.* v. *Brooklyn Edison Co.*, 86 F.(2d) 625.

(C. C. A. Ill.) Gordon patent, No. 1,945,110, for ear protector, *Held* not infringed. *Atkins* v. *Gordon*, 86 F.(2d) 595.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,827,095, T. J. McCormick, Tire cover, decided December 28, 1936, claim 19.

Pat. 1,969,275, S. R. Ogilby, Method of forming rubber articles, decided January 19, 1937, claims 1, 5, 6, 7, 8, 9, 10, and 11.

Pat. 1,989,273, W. Grimme and H. Tramm, Production of acetylene, decided January 19, 1937, claims 1, 2, and 3.

Trade-Mark Registrations Canceled

136,642. Flour and cornmeal. St. Albans Grain Company, St. Albans, Vt. Registered November 2, 1920. Canceled January 15, 1937.

161,013. Canned fruits, canned vegetables, and coffee. Dreyfus Bros., Tulsa, Okla. Registered October 31, 1922. Canceled January 29, 1937.

170,540. Leather shoes. Edmonds Shoe Company, Milwaukee, Wis. Registered July 17, 1923. Canceled January 15, 1937.

302,448. Preparation for the treatment of the hair. Jean Gray, Washington, D. C. Registered April 18, 1933. Canceled January 29, 1937.

329,827. Uncured camelback rubber stock. The Fisk Rubber Corporation, Chicopee Falls, Mass. Registered November 12, 1935. Canceled January 8, 1937.

Transfer of Classes

ORDER No. 3,381

U. S. PATENT OFFICE, *Washington, Jan. 28, 1937.*

The following transfers, to take effect January 28, 1937, are hereby ordered:

Class 133 from Division 23 to Division 41.

Class 234 from Division 23 to Division 41.

Class 235, Subs. 1, 29 to 57, 64 to 72, 74, 76 to 78, 83 to 144, except electric multiplying machines and tabulating punched card machines of 92 from Division 23 to Division 41.

Class 295 from Division 41 to Division 45.

Class 301 from Division 41 to Division 45.

Class 152 from Division 41 to Division 45, (all except Subs. 11, 11.5, 12.)

Classes 267 and 305 from Division 41 to Division 10.

Class 152, Subs. 11, 11.5, 12, and Class 213 from Division 41 to Division 39.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business January 30, 1937

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 36,334; Trade-Mark Division, 1,683. Oldest new case, August 4, 1936; oldest amended, July 8, 1936.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 16	Nov. 23	361
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Sept. 5	Aug. 31	1005
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 9	Nov. 11	468
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Oct. 3	Oct. 7	592
3077	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Nov. 5	Nov. 5	430
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 6	Oct. 1	708
5725	7. JARBOE, O. G., Optics; Photography	Nov. 4	Nov. 2	816
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 12	Oct. 16	425
4694	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 5	Nov. 10	395
5612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Nov. 3	Nov. 6	445
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 4	Nov. 9	404
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Nov. 3	Nov. 3	424
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 18	Nov. 18	481
5097	14. SMITH, O. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Oct. 17	Oct. 17	551
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 29	Oct. 28	913
5612	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 10	Oct. 10	635
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 4	Nov. 4	538
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 30	Sept. 30	475
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 10	Oct. 6	668
5605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 10	Oct. 10	473
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 30	Oct. 30	597
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 2	Nov. 3	618
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Aug. 22	July 8	249
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 2	Nov. 5	585
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 29	Oct. 30	561
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Nov. 18	Nov. 18	338
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Aug. 31	Aug. 31	781
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Oct. 28	Oct. 22	338
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Nov. 3	Nov. 3	499
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 30	Sept. 30	664
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 2	Nov. 3	
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange: Gas Separation; Agitating.	Oct. 28	Oct. 31	
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Oct. 13	Oct. 28	670
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 30	Oct. 31	330
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 19	Oct. 6	670
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 9	Nov. 6	270
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 12	Oct. 7	649
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Nov. 13	Nov. 23	376
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 21	Nov. 5	404
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 30	Sept. 30	1087
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 4	Aug. 24	464
5882	42. CUTTING, H. O., Electric Signaling	Oct. 28	Oct. 31	425
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Oct. 30	Oct. 28	607
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Oct. 2	Oct. 3	640
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 5	Oct. 17	526
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 13	Oct. 17	525
7600	47. BARKER, H., Clutches; Brakes	Nov. 9	Nov. 4	477
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Oct. 31	Oct. 31	522
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 20	Nov. 20	381
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Oct. 30	Oct. 30	555
5628	51. BACKUS, C. D., Radiant Energy	Oct. 30	Oct. 30	711
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 11	Nov. 11	662
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 24	Sept. 24	976
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Nov. 6	Nov. 6	263
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 10	Sept. 10	699
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Oct. 20	Oct. 20	933
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Oct. 8	Sept. 19	508
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 28	Oct. 24	280
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Oct. 31	Nov. 3	390
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Sept. 30	Sept. 30	604
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 13	Nov. 14	247
3876	62. PUGH, E. C., Games; Geometrical Instruments	Nov. 4	Nov. 3	456
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Oct. 20	Oct. 20	511
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Oct. 31	Oct. 31	788
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 21	Aug. 20	792
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND (Trade-Marks	Dec. 2	Jan. 8	1437
	(Labels and Prints	Dec. 30	Jan. 15	246
2605	DESIGNS, H. H. KALUPY	Jan. 2	Jan. 18	606

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE STANTON

No. 3,675. Decided November 30, 1936

[86 F.(2d) 337]

REISSUE—ESTOPPEL—CANCELLATION OF CLAIMS IN PROSECUTION OF ORIGINAL APPLICATION.

Certain claims of a reissue application *Held* properly rejected on ground of estoppel in view of cancellation in prosecution of original application of claims held to be of like or narrower scope.

APPEAL from the Patent Office. Affirmed.

Mr. Clarence A. O'Brien, Mr. Charles E. A. Smith, Mr. Thomas E. Turpin and *Mr. George C. Baldt* for Stanton.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

An application was filed by the appellant in the United States Patent Office for a reissue of appellant's patent granted June 6, 1933. The application for this reissue was filed October 9, 1933.

Appellant's claims, 1 to 7, inclusive, 9, 13, 14, 16, 26, 27, 29, 48, and 49 were rejected, while certain claims were allowed.

The Examiner based his rejection upon the ground of estoppel. From the Examiner's statement, it appears that in the prosecution of the application which resulted in the patent to appellant, certain claims were cancelled in order to secure the patent, namely, claims 11, 12, 14, and 15, which are as follows:

11. In an electric current testing instrument and in combination, a magnetic member having spaced poles, pawls carried by said member, and an indicating device having a portion movable endwise between said poles and pawls and also having at spaced points in the length of said portions recesses to receive said pawls.

12. In an electric current testing instrument, and in combination, a magnetic member having spaced poles, pawls carried by said member, and an indicating device having a portion movable endwise between said poles and pawls and also having at spaced points in the length of said portion recesses to receive said pawls, and further having longitudinal grooves connecting said recesses.

14. In an electric current testing instrument and in combination, a magnetic member comprising portions hingedly connected together and having spaced ends constituting poles, and an indicating device having a portion movable endwise between said poles, and means detachably connecting the indicating device with the pole bearing ends of said portions.

15. An electric current testing instrument comprising a magnetic member other than a permanent magnet, said member having spaced poles, and an indicating device having a portion movable endwise between said poles and also having a shaft turnable about its axis in said portion, an armature on the shaft and in the portion and movable with the shaft, a pointer on the shaft, a scale complementary to the pointer, and a spring cooperating with the shaft for returning the pointer to its initial position.

The Examiner was of opinion that the claims here rejected were as broad, and in some instances broader, than the claims which had been cancelled, and that the applicant for the reissue was therefore estopped from urging the allowance of said claims in this proceeding. The Board of Appeals was of the same opinion, and also that there had been no inadvertence, accident, or mistake within the meaning of section 4916, Revised Statutes, citing in support of its position, the following authorities:

In re Denton, 12 App. D. C. 504, 83 O. G. 1347; *In re Lacroix*, 30 App. D. C. 299, 133 O. G. 2181; *Ex parte Holland*, 50 App. D. C. 286, 270 Fed 704; *Dobson* v. *Lees*, 137 U. S. 258, 53 O. G. 1740; *Corbin Cabinet Lock Co.* v. *Eagle Lock Co.*, 150 U. S. 38, 65 O. G. 1066.

The Board of Appeals was of opinion that rejected claim 1 was typical of the rejected claims. It is as follows:

1. An electrical measuring instrument comprising pivotally mounted magnetizable members, an electrical indicating device, and means for adjustably supporting said indicating device in the magnetic path of the magnetizable members for adjustable calibration of the instrument.

The appellant insists that said claim 1 contains a limitation which is not to be found in the cancelled claims aforesaid, and which makes the claim narrower than any of said cancelled claims. This limitation is expressed in the words, "for adjustable calibration of the instrument". A similar alleged limitation is found in rejected claims 2, 3, 4, 5, 7, 26, 27, 29, and 48. The language is varied somewhat, but the same thought is expressed. Both the Examiner and the Board of Appeals held that this was simply a recital of the function of the member in question. As was said by the Board of Appeals, it was merely an expression of a

"function that was necessarily present in the arrangement recited in the original claims and that it is therefore not a material limitation".

It is quite obvious to us that the Patent Office tribunals came to the right conclusion in this respect. Calibration of an instrument is simply a determination or a rectification of the graduation of the instrument. It follows, as a matter of course, that if the indicating device, as expressed in cancelled claim 14, operates in the way suggested in that claim, and in the other cancelled claims, it can be used for the calibration of the instrument and to ascertain the effect upon the instrument of different ranges of current. The member which is described in the rejected claims, and which is said to be movable endwise between the pole pieces, or, as it is stated in some of the rejected claims, "slidable between the pole pieces of said members", can, of course, be used for calibration purposes. This function is inherent in the device claimed in the cancelled claims. Therefore, as to the claims in which this particular function is enumerated, it cannot be said that a limitation has been inserted which changes the device from that originally claimed in said cancelled claims.

Some of the claims, notably 3, 4, 5, 6, and 9, contain the statement that the "tubular portion" of the electrical indicating device is "slidable" in the air gap of the instrument, instead of the expression "movable endwise", as it appears in the cancelled claims. This, it is argued by appellant, constitutes a limitation which renders these claims more specific than the cancelled claims, and from which, it is argued, they should be allowed. The Examiner

and the Board of Appeals were of opinion that this difference did not render the claims more specific to the extent that the rejection on the ground of estoppel was avoided. We are disposed to agree with the Board in this respect, when the nature of the device and its operation are taken into account.

Again, some of the claims which were rejected state that means are provided for maintaining the indicating member in the air gap at predetermined positions. These claims are 6, 7, 9, 29, 48, and 49. These claims, in this respect, are manifestly broader than cancelled claims 11 and 12, which describe an indicating device movable endwise between the poles and pawls, and also having recesses at spaced points in the length of said portions to receive said pawls as specified in claim 11, or, as is stated in cancelled claim 12, "also having at spaced points in the length of said portion recesses to receive said pawls". The means so specifically provided for in said cancelled claims, necessarily accomplish the predetermined spaced relation as is described in the rejected claims above noted.

Special consideration is asked by the appellant for rejected claim 29, and it is called to our attention that this claim calls for "a magnetic member having an air gap in the magnetic path thereof", and an armature "adjustably supported in the air gap at predetermined positions therein for varying the reluctance of the magnetic circuit." It is argued that these two features, "in the essence of appellant's invention, are not included, in the specific and clear manner quoted, in the cancelled claims." The substance of this claim is, in our opinion, included in the cancelled claim 15, which provides for a magnetic member having spaced poles and an indicating device with a movable endwise member between said poles, a shaft turnable by its axis in said portion, and an armature on the shaft.

Under the authorities, we think the Board of Appeals committed no error in invoking the rule of estoppel against the appellant's rejected claims. See *In re Crowell*, 23 C. C. P. A. (Patents) 725, 79 F.(2d) 746, 463 O. G. 4; *In re Guastavino*, 23 C. C. P. A. (Patents) 1197, 83 F.(2d) 913, 472 O. G. 8; *In re Murray, Jr.*, 20 C. C. P. A. (Patents) 1046, 64 F.(2d) 788, 433 O. G. 794.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ARMACOST

No. 3,689. Decided November 30, 1936

[86 F.(2d) 418]

PATENTABILITY—SUPERHEATER.

Certain claims for a superheater *Held* unpatentable in view of the prior art, since it is held that the construction recited is one which a skilled mechanic might well adopt without regard to anything taught by appellant and for considerations other than that which appellant had in view.

APPEAL from the Patent Office. Affirmed.

Mr. O. V. Thiele and *Mr. James J. Whalen* for Armacost.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims numbered 18 to 23, inclusive, of appellant's application for patent.

All of the claims before us are apparatus claims. Certain method claims have been allowed. Claims 18 and 19 are illustrative and read as follows:

18. A superheater having a plurality of units each including heat absorbing elements extending adjacent corresponding elements of other units, at least portions of certain corresponding elements of said units being positioned sufficiently close together as to materially reduce the effective heat absorbing surface of the superheater, as compared with its heat absorbing surface when said certain elements are materially spaced, for reducing the final temperature of steam from the superheater; and means for holding said certain elements in said close positions to maintain said final steam temperature at substantially the reduced value.

19. A superheater having headers, a plurality of substantially U-shaped units arranged side by side with the bridge sections of the U's disposed horizontally and extending adjacent each other in spaced relation; adjustable connections between the ends of said U-shaped units and said headers for changing the U-shaped angles between the headers and said units and thereby permitting adjustment of the spacing between the bridge sections of adjacent units to an extent sufficient to materially change the effective heat absorbing surface of the superheater for altering the final temperature of steam from the latter; and supporting means engaging the bridge sections of said units and holding them in their adjusted positions to maintain said final temperature at substantially the altered value.

The references cited are: Harris, 1,791,559, February 10, 1931; McPhail (British), 20,057, November 2, 1901.

The nature of the alleged invention is concisely described by the Board of Appeals in its decision as follows:

The appealed claims relate to a superheater for steam boilers. Such superheater is formed of a plurality of units in the nature of shaped pipes connected in parallel to headers with provisions for so adjusting the spacing of the pipe units in varying degrees either at the time of setting up the superheater or afterwards as to secure predetermined degree of superheat for the steam. It depends upon the principle that the closer together the spacing thereof, even including contact of the tubing, the less heat will be absorbed from the furnace gases.

The patent to Harris shows a superheater of the same type as that disclosed by appellant, the tubes being supported by hangers which are adjustable. The drawings, Figure 2, show the superheater tubes spaced at substantially equal distances from each other, and none of the tubes are in close contact with each other. No reference is made in the patent to the spacing of the tubes.

The patent to McPhail shows a superheater of the same general type as disclosed by certain of appellant's drawings. Nothing is found in this patent with respect to the spacing of the tubes.

The novelty relied upon by appellant, and which he claims involved the exercise of the inventive faculty, consists in the spacing of the tubes so as to regulate the amount of superheat produced, his theory being that when the tubular elements are positioned in closely spaced relation the passages therebetween are restricted so that the quantity of gases contacting their opposite surfaces is lessened, and the effective heat-absorbing surfaces of the tubes is thereby reduced. By this means of spacing it is unnecessary to remove any of the superheater tubes from the boiler if too much heat is produced, which removal of tubes, appellant states, was the practice in the prior art.

Appellant, as hereinbefore observed, has been allowed method claims for the accomplishment of this purpose.

As observed by the Examiner, if these claims are allowed, manufacturers of superheaters, to avoid infringement, would be compelled so to space the tubes that the maximum amount of heating is obtained, for if placed so that such maximum amount was not obtained, because of the tubes being somewhat closer together than necessary for this purpose, appellant's patent for apparatus would be infringed. In the statement of the Examiner we find the following:

• • • If the designer of a superheater of the type shown in either Harris or McPhail should desire the superheater to be compact and thus space the tubes closely, that superheater would be an infringement of the claim, notwithstanding the fact that no teaching whatever may be derived from applicant's disclosure. Obviously, applicant is entitled to no such protection as this. Applicant has not discovered and taught the art that superheater tubes may be closely spaced. There is no novelty in such an arrangement. It is perfectly obvious to those skilled in the art that superheater tubes may be given any desired spacing, and that the spacing in many cases is dependent upon the required amount of superheat surface and the available space in which it must be installed. Applicant's invention consists in the method of varying the capacity of a superheater comprising varying the spacing of the superheater tubes. Merely because applicant has invented this method of *changing* the capacity of an existing superheater, is no reason for allowing an apparatus claim which is so broad as to include a superheater in which the designer chose or was forced to adopt a close spacing of the tubes.

We do not think that appellant has shown himself entitled to a monopoly in a construction which, in view of the prior art, a skilled mechanic, without regard to anything taught by appellant and for considerations other than that which appellant has in view, might well adopt. For instance, such a mechanic might, because of limited space, place the tubes closer together than necessary to secure the maximum heating effect.

The claims here involved are for structure, and inasmuch as we believe that the structure involved in his claims is such as would be expected from one skilled in the art, under certain conditions, the claims were properly rejected by the Patent Office tribunals.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,223,180, C. F. Kettering, Ignition system; 1,641,374, W. A. Chryst, Induction coil; 1,647,417, W. G. Schneider, Ignition coil, D. C., N. D. Ill., E. Div., Doc. 12218, *Delco Remy Corp.* (*General Motors Corp.*) v. *C. E. Niehoff & Co.* Dismissed without prejudice Sept. 30, 1936.

1,268,473, W. O. Kennington, Distributer cap for ignition apparatus; 1,351,714, A. E. Berdon, et al, Distributer head for ignition device; 1,372,065, O. F. Conklin, Distributer device for ignition apparatus, D. C., N. D. Ill., E. Div., Doc. 12846, *Delco Remy Corp.* (*General Motors Corp.*) v. *Shurhit Products, Inc.* Dismissed without prejudice Oct. 5, 1936. Doc. 12216, *Delco Remy Corp.* (*General Motors Corp.*) v. *C. E. Niehoff & Co.* Decree as above Oct. 21, 1936.

1,335,695, E. L. Oliver, Rotary filter table; 1,685,084, J. T. Hoyt, Apparatus for separating liquid from pulp fibers; 1,685,085, same, Dewatering apparatus; 1,685,118, R. C. Campbell, Process for recovering sugar values, filed Nov. 10, 1936, D. C. Honolulu (Hawaii), Doc. E 717, *Oliver United Filters, Inc.*, v. *C. Brewer & Co., Ltd.*

1,336,490, E. C. Staples, Metallic shelving; 1,560,436, same, Sheet metal shelve; 1,450,191, J. Sturm, Sheet metal shelving, D. C., N. D. Ohio, E. Div., Doc. 5450, *Republic Steel Corp.* v. *The Interior Steel Equipment Co. et al.* Consent decree holding 1,336,490 held valid and infringed and 150,436 and 1,450,191 not infringed Dec. 15, 1936.

1,339,066, C. E. McManus, Bottle closure; 1,899,782, A. H. Warth, Material for facing bottle caps and method of making same; 1,899,783, same, Bottle cap and method of manufacturing same; Re. 19,117, same, Process of producing closures; 1,956,481, same, Spot crown and liner material therefor; 1,967,195, same, Method of manufacturing bottle caps, C. C. A., 2d Cir., Doc. —, *Crown Cork & Seal Co., Inc.*, v. *Ferdinand Gutman & Co.* Decree modified (notice Dec. 14, 1936).

1,351,714. (See 1,268,473.)

1,353,743, G. W. Graves, Stove; Des. 82,007, J. Teller, Cabinet gas range; 1,817,856, same, Cabinet gas stove and range; 1,825,373, same, Safety device for gas stoves and ranges, D. C., N. D. Ill., E. Div., Doc. 14769, *Teller Stove Designing Corp.* v. *Crown Stove Works.* Dismissed for want of prosecution May 21, 1936.

1,372,065. (See 1,268,473.) 1,375,688. (See 1,652,007.)

1,403,475 (*a*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,811,095, H. J. Round, Thermionic amplifier and detector; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 14976, *Radio Corp. of America et al.* v. *Hetro Electrical Industries, Inc., et al.* Consent decree, holding patents valid and infringed; injunction April 13, 1936.

1,403,475 (*b*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector, filed Dec. 17, 1936, D. C., S. D. Calif. (Los Angeles), Doc. 1078–M, *R. C. A. et al.* v. *J. Forbes.*

1,403,475 (*c*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, filed Dec. 4, 1936, D. C., S. D. Calif. (Los Angeles), Doc. 1064 C, *R. C. A. et al.* v. *B S. Rothenstein* (*Pathe Radio & Television Co.*). Same, filed Dec. 17, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 1082–J, *R. C. A. et al.* v. *F. Sage.*

1,403,475. (See 1,507,016.)

1,403,932. (See 1,403,475 (*a*), (*b*), (*c*) and 1,507,016.)

1,450,191. (See 1,336,490.)

1,475,980, O. Zerk, Lubricating apparatus; 1,593,791, C. G. Butler, same, D. C., S. D. N. Y., Doc. E 84/214, *Stewart-Warner Corp.* v. *W. Kobrin et al.* Consent decree for plaintiff (notice Dec. 23, 1936).

1,483,365, J. Mazer, Sound absorbing method and material; 1,554,179, W. S. Trader, Sound absorbing material for walls and ceilings; 1,682,986, L. B. Rymarczick, Sound absorbing surface and process of producing same, filed Dec. 11, 1936, S. D. Calif. (Los Angeles), Doc. E 1067–H, *J. Maser et al.* v. *Coast Insulating Corp.*

1,488,656, G. H. Wallace, Chemical heater; 2,040,406, R. E. Reed, Chemical heating composition and method of chemically producing heat; 2,040,407, same, Chemical heating composition, filed Sept. 21, 1936, D. C. Minn. (St. Paul), Doc. E 2908, *The Kendall Co.* v. *Sharon Laboratories Inc.*

1,507,016. (See 1,403,475 (*a*), (*b*), and (*c*).)

1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,811,095, H. J. Round, Thermionic amplifier and detector, filed Dec. 17, 1936, D. C., S. D. Calif., C. Div., Doc. E 1080–S, *R. C. A. et al.* v. *O. J. Bates.*

1,507,017. (See 1,403,475 (*a*), (*b*), (*c*) and 1,507,016.)

1,544,580. (See 1,747,822.)

1,549,387, F. W. Schmithals, Baling press; 1,766,642, H. Jacobson, same, filed Dec. 16, 1936, D. C., E. D. Wis. (Milwaukee), Doc. 5018, *Logemann Bros. Co.* v. *Galland-Henning Mfg. Co.*

1,554,179. (See 1,483,365.) 1,560,436. (See 1,336,490.)

1,560,957, E. E. Wemp, Clutch; 1,571,747, same, Clutch disc, D. C., N. D. Ill., E. Div., Doc. 14882, *Borg-Warner Corp. et al.* v. *Illinois Iron & Bolt Co.* Consent decree holding patents valid and infringed, injunction June 26, 1936.

1,571,747. (See 1,560,957.) 1,593,791. (See 1,475,980.)

1,601,146 (*a*), J. B. Replogle, Switch; 1,693,998, W. A. Chryst, Electric switch; 1,835,019, H. D. Dawson, Switch, D. C., N. D. Ill., E. Div., Doc. 12849, *Delco-Remy Corp.* (*General Motors Corp.*) v. *Shurhit Products, Inc.* Dismissed with prejudice Oct. 21, 1936.

1,601,146 (*b*), J. B. Replogle, Switch; 1,693,998, W. A. Chryst, Electric switch; 1,798,751, H. E. Norviel, same; 1,835,019, H. D. Dawson, Switch, D. C., N. D. Ill., E. Div., Doc. 12220, *Delco Remy Corp.* (*General Motors Corp.*) v. *C. E. Niehoff & Co.* Dismissed without prejudice Sept. 24, 1936.

1,618,017. (See 1,403,475 (*b*) and (*c*).)

1,629,261, S. V. Dillon, Automatic catching device for well tubing; 1,629,262, 1,629,263, Catching device for well tubing; 1,640,756, same, Tubing catcher, D. C., N. D. Okla. (Tulsa), Doc. E 1091, *S. V. Dillon* v. *Smith Separator Corp.* Patents held infringed Dec. 12, 1936.

1,629,262. (See 1,629,261.) 1,629,263. (See 1,629,261.)

1,640,756. (See 1,629,261.) 1,641,374. (See 1,223,180.)

1,641,374, W. A. Chryst, Induction coil, D. C., N. D. Ill., E. Div., Doc. 12847, *Delco Remy Corp.* (*General Motors Corp.*) v. *Shurhit Products, Inc.* Dismissed without prejudice Dec. 11, 1936.

1,647,417. (See 1,223,180.)

1,652,007, D. E. Gamble, Clutch plate; 1,727,153, C. M. Ahlene, Driven plate, D. C., N. D., Ill., E. Div., Doc. 14881, *Borg-Warner Corp.* v. *Illinois Iron & Bolt Co.* Consent decree holding patents valid and infringed and that plaintiff has not infringed 1,375,688, injunction; counterclaim dismissed June 26, 1936.

1,682,986. (See 1,483,365.) 1,685,084. (See 1,335,695.)

1,685,085. (See 1,335,695.) 1,685,118. (See 1,335,695.)

1,693,998. (See 1,601,146 (*a*) and (*b*).)

1,702,833. (See 1,403,475 (*b*) and (*c*).)

1,721,530, J. Schick, Shaving implement; 1,757,978, same, Shaving machine, filed Dec. 19, 1936, C. C. A., 2d Cir., Doc. —, *Schick Dry Shaver, Inc., et al.* v. *Dictograph Products, Inc.*

1,727,153. (See 1,652,007.)

1,745,162, 1,795,023, 1,930,800, J. Gordon, Ironing machine, D. C., N. D. Ill., E. Div., Doc. 14874, *J. Gordon* v. *The Maytag Chicago Co. et al.* Dismissed without prejudice Nov. 12, 1936.

1,747,822, R. D. Foltz, Furnace construction; 1,773,339, L. M. Beall, Furnace wall; 1,544,580, L. H. Hosbein, Furnace arch construction, D. C., N. D. Calif. (San Francisco), Doc. 3509–L, *M. H. Detrick Co.* v. *S. H. Lanyon.* Decree entered June 21, 1935, is vacated. Claims 7, 14, 15, 17, 23, 35, 36, 37, 38, 39, 41, 43, 48, 49, 50, 53, and 55 of 1,747,822, and claims 1 and 2 of 1,773,339 held invalid; bill dismissed Sept. 8, 1936.

1,757,978. (See 1,721,530.) 1,766,642. (See 1,549,387.)

1,773,339. (See 1,747,822.)

1,775,298, J. Wachsman, Electric stop mechanism and contact ring for circular knitting machines; 1,784,560, same, Electric stop mechanism for knitting machines; Re. 19,069, same, Stop mechanism for knitting machines, appeal filed Dec. 18, 1936, C. C. A., 2d Cir., Doc. —, *J. Wachsman* v. *A. Wachsman et al.*

1,784,466, O. Rensonnet, Steering sight adapted to be fitted to the wings of the mud guards of motor vehicles; 1,877,428, same, Motor vehicle steering sight, D. C., N. D. Ill., E. Div., Doc. 14963, *Casco Products Corp. et al.* v. *G. Berkson.* Consent decree holding patents valid and infringed; injunction Oct. 6, 1936.

1,784,560. (See 1,775,298.) 1,795,023. (See 1,745,162.)

1,796,855, R. H. Ahlers, Electrical condenser; 1,815,496, W. A. Chryst, Ignition apparatus; 1,830,907, C. H. Kind, Electrical condenser, D. C., N. D. Ill., E. Div., Doc. 12848, *Delco Remy Corp.* (*General Motors Corp.*) v. *Shurhit Products, Inc.* Dismissed without prejudice Sept. 24, 1936. Doc. 12219, *Delco Remy Corp.* (*General Motors Corp.*) v. *C. E. Niehoff & Co.* Decree as above Sept. 11, 1936.

1,798,751. (See 1,601,146 (*b*).)

1,811,095. (See 1,403,475 (*a*), (*b*), (*c*) and 1,507,016.)

1,815,496. (See 1,796,855.) 1,817,856. (See 1,353,743.)

1,825,373. (See 1,353,743.) 1,830,907. (See 1,796,855.)

1,835,019. (See 1,601,146 (*a*) and (*b*).)

1,877,428. (See 1,784,466.) 1,899,782. (See 1,339,066.)

1,899,783. (See 1,339,066.) 1,930,800. (See 1,745,162.)

1,936,162. (See 1,403,475 (*a*).)

1,956,481. (See 1,339,066.) 1,967,195. (See 1,339,066.)

2,040,406. (See 1,488,656.) 2,040,407. (See 1,488,656.)

Re. 18,579. (See 1,403,475 (*a*) and (*c*).)

Re. 19,069. (See 1,775,298.)

Re. 19,117. (See 1,339,066.) Des. 82,007. (See 1,353,743.)

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 16, 1937

[VOL. 475. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

Receptacles

Ser. No. 379,008. ODORA COMPANY, INC., New York, N. Y. Filed May 28, 1936.

Imperial

For Corrugated Pasteboard Knock-down Cabinets for Clothing.

Claims use since Apr. 20, 1935.

Ser. No. 384,083. HUMOCO CORPORATION, Louisville, Ky. Filed Oct. 7, 1936.

HUMOCO·PAK KEPT FACTORY FRESH

The words "Pak" and "Kept Factory Fresh" are disclaimed apart from the mark.

For Containers, Packages, Bags, Wrappers, Cartons, Boxes, and the Like, and Blanks Therefor Fabricated Wholly or in Part from Paper, Cardboard, Fibreboard, or the Like.

Claims use since Aug. 14, 1936.

Ser. No. 385,894. MENASHA WOODEN WARE CORPORATION, Menasha, Wis. Filed Nov. 23, 1936.

ICE-CUBESTOR

For Wooden Containers of Tub-like Character Especially for Holding Ice Fragments and Ice Cubes Therein for Transportation and Storage Purposes.

Claims use since Nov. 9, 1936.

Ser. No. 386,073. DECORATIVE CABINET CORP., Brooklyn and New York, N. Y. Filed Nov. 28, 1936.

ROL-A-DOR

For Wood Framed Cardboard Cabinets, Chests, and Boxes Used for Packing and Storing Clothing and Other Merchandise.

Claims use since Aug. 1, 1936.

CLASS 5

Adhesives

Ser. No. 386,352. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

RED CROWN

For Masking Tape.

Claims use since Oct. 1, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 385,406. HYGIENIC SERVICE, INC., New York, N. Y. Filed Nov. 11, 1936.

TELENE

For Antiseptic and Germicidal Liquid Used for Cleansing and Sterilizing Telephone Units.

Claims use since Oct. 26, 1936.

Ser. No. 385,495. CHARLES E. SCHINDLER, Coldwater, Ohio. Filed Nov. 13, 1936.

LAXTON

For Mild Tonic and Conditioner for Cattle and Hogs or Cows and Sows.

Claims use since Oct. 24, 1936.

Ser. No. 386,457. RAY SMITH, doing business as Allodyne Company, San Diego, Calif. Filed Dec. 7, 1936.

ALLODYNE

For Medicinal Tablets Used for Relief of Headaches, Colds, Feminine Distress, Neuritis, Toothache, and Rheumatic Pains.
Claims use since Oct. 22, 1936.

Ser. No. 386,479. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Dec. 8, 1936.

BLUE-FLO

For Anti-Freeze Compounds.
Claims use since Nov. 10, 1936.

Ser. No. 386,800. BERTHA STACK FORD, doing business as Ford's Drug Stores, Cumberland, Md. Filed Dec. 16, 1936.

FORD'S
SODYNES

For Medicinal Tablets Used in the Treatment of Minor Colds, Simple Local Pains, and Uncomplicated Muscular Aches and Pains.
Claims use since 1930.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 374,126. CHANCY TOY & NOVELTY CORP., Brooklyn, N. Y. Filed Jan. 27, 1936.

G-MAN



The notations "G-Man" and "Special Agent" are disclaimed apart from the mark.
For Leather Holster for Regulation Firearms.
Claims use since Jan. 21, 1936.

CLASS 10

Fertilizers

Ser. No. 386,714. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 14, 1936.



The words "Fish Brand" are disclaimed separately.
For Fertilizers.
Claims use since Sept. 17, 1935.

CLASS 11

Inks and Inking Materials

Ser. No. 386,952. WM. KORN, INC., New York, N. Y. Filed Dec. 19, 1936. Under 10-year proviso.

KORN'S

For Lithographic Rubbing Ink, Lithographic Liquid Tusche, Lithographic Transfer Ink, Autographic Ink, Music Plate Transfer Ink, and Lithographic Stick Tusche.
Claims use since 1880.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 381,191. CRANE CO., Chicago, Ill. Filed July 20, 1936.

SUNNYDAY

For Kitchen Sinks, Lavatories, Bathtubs, Water Closets, and Trimming Therefor.
Claims use since June 15, 1936.

Ser. No. 386,318. PRESTOLE DEVICES, INC., Detroit, Mich. Filed Dec. 4, 1936.

PRESTOLE

For Locking Plates for Holding Screws in Sheet Metal.
Claims use since Aug. 5, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 382,401. THE TIMKEN STEEL AND TUBE COMPANY, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio. Filed Aug. 20, 1936.

ALCROMO

For Steel Products—Namely, Tubing, Billets, Bars, Etc., All for Corrosion or High Temperature Resisting Purposes and Not for Tool Steel Purposes.
Claims use since Aug. 5, 1936.

Ser. No. 386,786. THE BAUER TYPE FOUNDRY, INC., New York, N. Y. Filed Dec. 16, 1936.

Beton

For Type Faces, Upper and Lower Case.
Claims use since June, 1931.

Ser. No. 386,787. THE BAUER TYPE FOUNDRY, INC., New York, N. Y. Filed Dec. 16, 1936.

CARTOON

For Type Faces, Upper and Lower Case.
Claims use since Aug. 24, 1936.

Ser. No. 386,788. THE BAUER TYPE FOUNDRY, INC., New York, N. Y. Filed Dec. 16, 1936.

Corvinus

For Type Faces, Upper and Lower Case.
Claims use since October, 1934.

CLASS 15

Oils and Greases

Ser. No. 386,401. THE BROOKS OIL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1936.

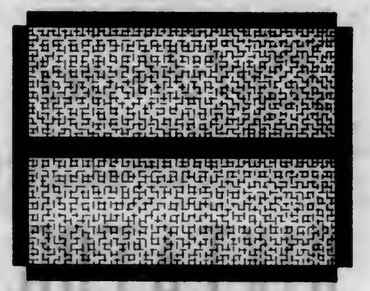
PENNBROOK

For Lubricating Oil.
Claims use since 1926.

CLASS 16

Paints and Painters' Materials

Ser. No. 374,667. S. C. JOHNSON & SON, INC., Racine, Wis. Filed Feb. 10, 1936.



The drawing is lined for yellow.
For Wax for Coating and Polishing Wood, Metal, and Other Surfaces, and Lacquer.
Claims use since Jan. 21, 1931 on wax; since July 10, 1931 on lacquer.

Ser. No. 377,073. THE WARREN REFINING AND CHEMICAL COMPANY, Cleveland, Ohio. Filed Apr. 10, 1936.

PERENNIS

For Varnish.
Claims use since Oct. 1, 1933.

Ser. No. 379,968. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed June 19, 1936.

SANTO-DRIER

The word "Drier" is disclaimed apart from the mark as shown.
For Materials Adapted to Promote and Accelerate the Drying of Siccative Oils and Siccative Oil Containing Compositions.
Claims use since June 5, 1936.

Ser. No. 381,937. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Aug. 8, 1936.



For Dry, Paste, and Ready-Mixed Paints and Varnishes.
Claims use since Oct. 1, 1935.

Ser. No. 383,301. FLORIDA LEAKY ROOF PAINT COMPANY, Bradenton, Fla. Filed Sept. 16, 1936.

KA-LITH-KA
"It's Chemically Proportioned"
TINTS

The words "It's Chemically Proportioned" and "Tints" are disclaimed apart from the mark.
For Paint Paste.
Claims use since Sept. 8, 1936.

Ser. No. 383,459. AL A. BANKS, doing business as Lyk-Nu Company, New York, N. Y. Filed Sept. 21, 1936.

LYK-NU

For Furniture and Automobile Polish.
Claims use since May 1, 1930.

Ser. No. 384,092. MARIANO FORTUNY MADRAZO, Venice, Italy. Filed Oct. 7, 1936.



The characters within the circle are M F Y.
For Paint Colors and Paints in Ready-Mixed, Paste, or Powder Form.
Claims use since April, 1933.

Ser. No. 384,664. METALLIC PRODUCTS COMPANY, INCORPORATED, Camden, N. J. Filed Oct. 22, 1936.

ALGLO

For Paints, Ready Mixed and Paste, and Varnishes.
Claims use since Oct. 10, 1936.

Ser. No. 384,841. JOHN M. CAIN, doing business as Florida Distributing Company, West Palm Beach, Fla. Filed Oct. 27, 1936.

PROTECTO - WAX

The word "Wax" is disclaimed apart from the mark.
For Wax Polish.
Claims use since Sept. 21, 1936.

Ser. No. 385,351. HIRAM T. GATES, Richmond, Va. Filed Nov. 10, 1936.



The words "Car Shine" per se are disclaimed apart from the mark.
For Polishing Preparations Possessing Cleaning Properties for Finished Surfaces.
Claims use since Nov. 5, 1936.

Ser. No. 385,996. THOMPSON & COMPANY, Oakmont, Pa. Filed Nov. 25, 1936.

SYNHIBIT

For Paints in Ready Mixed or Paste Form, Pigment Vehicles, Varnishes, Undercoaters, Paint Primers, Paint Thinners, and Rust Inhibitors for Metallic Surfaces.
Claims use since Nov. 2, 1936.

Ser. No. 386,686. NEW ENGLAND WHITING COMPANY, East Boston, Mass. Filed Dec. 12, 1936.

ROCKTITE

For Paint in Dry Form for Cement, Brick, Concrete, and Stucco Surfaces.
Claims use since Nov. 13, 1936.

Ser. No. 386,943. GENERAL PRINTING INK CORPORATION, New York, N. Y. Filed Dec. 19, 1936.

SU-veneer

For Varnish.
Claims use since Sept. 1, 1936.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 384,030. DRITZ-TRAUM COMPANY, New York, N. Y. Filed Oct. 6, 1936.

PERMCREST

For Shelf Edging and Shelf Covering in the Nature of Oiled Cloth.
Claims use since July 15, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 379,918. ZENITH RADIO CORPORATION, Chicago, Ill. Filed June 18, 1936.

TARGET TUNING

No claim is made to the word "Tuning" apart from the mark.
For Radio and Television Receiving Sets and Parts Thereof.
Claims use since June 9, 1936.

Ser. No. 380,132. UNITED STATES ELECTRIC COMPANY, New York, N. Y. Filed June 23, 1936.

Red-Head

For Flash Lights.
Claims use since Apr. 15, 1936.

Ser. No. 381,938. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Aug. 8, 1936.

DIKTATOR

For Radio Tubes.
Claims use since Feb. 1, 1934.

Ser. No. 382,046. EASTERN OUTFITTING CO. OF LOS ANGELES, CAL., Los Angeles, Huntington Park, Pasadena, and Long Beach, Calif. Filed Aug. 11, 1936.



The words "Electric Food Mixer" apart from the mark "Modern Maid" as shown and also the representation of a name plate are disclaimed.
For Electrical Kitchen Unit for Domestic and Commercial Usage, Comprising a Stand, a Platform for Bowls, a Motor, a Large Bowl, a Small Bowl, Two Beaters, One Drink Mixer, One Juicer Bowl, and One Reamer Head and Shaft, and Used for Mixing, Beating, Juicing, Chopping, Whipping, Slicing, Paring, Grinding, Polishing, Sharpening, Shredding, Cutting, and Churning.
Claims use since May 1, 1936.

Ser. No. 382,118. GOULD STORAGE BATTERY CORPORATION, St. Paul, Minn. Filed Aug. 13, 1936.



The word "Construction" is disclaimed apart from the mark.
For Storage Batteries.
Claims use since Aug. 6, 1936.

Ser. No. 384,024. BIRNBACH RADIO CO., INC., New York, N. Y. Filed Oct. 6, 1936.

BIRCO

For Radio Receivers and Parts.
Claims use since Sept. 15, 1936.

Ser. No. 384,741. FARNSWORTH TELEVISION INCORPORATED, San Francisco, Calif. Filed Oct. 24, 1936.

Farnsworth

The mark is a facsimile signature of the surname of Philo T. Farnsworth, vice president and a director of corporation of the applicant company.
For Radio Transmitting and Receiving Sets; Television Transmitting and Receiving Sets; Electronic Scanning Cameras and Accessories, Including Vidio and Audio Amplifiers; Telecine Scanning Equipment, Including Synchronizing Pulse Generators and Preamplifiers; High and Low Voltage Power Supplies and Antenna Equipment; Audio and Vidio Frequency Studio Equipment; High Frequency Transmission Lines and Visual Monitors; Electron Multipliers, Oscillators, and Modulators; Frequency Multipliers and Buffer Stages; Slope Wave Scanning Generators; Interlace Scanning Generators and Oscillation Generators of all Frequencies; and Component Parts of the Above Listed Units.
Claims use since Jan. 1, 1935.

Ser. No. 384,898. INSTANT TIRE SERVICE, INC., Lacrosse, Wis. Filed Oct. 28, 1936.



The numerical notations and the words "It's Hot at Zero", "Most Power Longest Life", and "La Crosse, Wis." constitute features herein disclaimed apart from the mark as shown.
For Automobile and Storage Batteries.
Claims use since Jan. 1, 1934.

Ser. No. 385,746. EVERETT L. PASSMORE, doing business as Red Arrow Products Co., Philadelphia, Pa. Filed Nov. 19, 1936.



The drawing is lined for red.
For Spark Plugs.
Claims use since Nov. 4, 1936.

Ser. No. 385,779. CUTLER-HAMMER, INC., Milwaukee, Wis. Filed Nov. 20, 1936.



The drawing is lined for red and black.
For Electrical Control Apparatus, Electrical Machines, and Electrical Supplies, Consisting of:—Controllers for

Dynamo-Electric Machines—to-wit; Starting, Stopping, Reversing, and Speed Regulating Apparatus for Motors, and Voltage and Current Regulating Apparatus for Generators, and Like Control Apparatus for Rotary Converters; Current Breakers; Magnetic Brakes for Various Types of Machines; Lifting and Separating Magnets and Controls Therefor; Solenoids, Safety Switches, Meter Service and Entrance Switches; Float, Pressure, and Other Special Switches; Insulating Bases and Supports for Switches and the Like; Automatic Valve Control Units; Solenoid-Operated Valves; Fuse Panels; Terminal Lugs; Wiring Fixtures and Conduit Fittings Comprising Switches, Switch Boxes and Covers, Attachment Plugs, Taps, Receptacles, Caps, Lamp Sockets, and Cord Connectors; Elevator Control Apparatus, Consisting of Limit Switches, Door Switches, Transfer Switches, and Floor Selector Switches; Speed Regulating and Other Current Control Resistors; Rheostats; Relays; Contactors; Switch Panels; Control Panels; Push Button Switches for Machine Tool Controllers; Motor Starters; Speed Controllers and Regulators Especially Adapted for Marine Service; Resistance Units for Space Heaters; Industrial Heaters; Ovens, and Immersion Water Heaters; Theater and Spotlight Dimmers; Battery Chargers; Starters and Speed Regulators for Fire Pumps, Printing Presses, Paper Making Machines, Oil Well Drillers and Pumps; Crane and Hoist Controls; Electronic Control Apparatus; Electric Welding Controllers and Electric Refrigerator Control Devices.

Claims use since Feb. 1, 1936.

Ser. No. 385,971. CENTURY LIGHTING, INC., New York, N. Y. Filed Nov. 25, 1936.

LEKOLITE

For Electrically Operated Light Projectors for Indoor and Outdoor Illumination.
Claims use since December 1934.

Ser. No. 386,144. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Dec. 1, 1936.

BETHANIZED

For Coated Telephone Wire.
Claims use since Aug. 18, 1933.

Ser. No. 386,791. COMMUNICATION ENGINEERS, INC., Seattle, Wash. Filed Dec. 16, 1936.

INCRIMINATOR

For Sensitive Electrical Pick Up Devices for Amplifying Sounds.
Claims use since Dec. 2, 1936.

Ser. No. 386,867. MONARK BATTERY COMPANY, INC., Chicago, Ill. Filed Dec. 17, 1936.

KAR-LIFE

For Storage Batteries for Automobiles.
Claims use since Aug. 11, 1936.

Ser. No. 386,868. MONARK BATTERY COMPANY, INC., Chicago, Ill. Filed Dec. 17, 1936.

LIFE TIME

For Storage Batteries for Automobiles.
Claims use since Aug. 11, 1936.

Ser. No. 386,896. ARTHUR C. HASTINGS JR., doing business as The Oano Company. Boston, Mass. Filed Dec. 18, 1936.

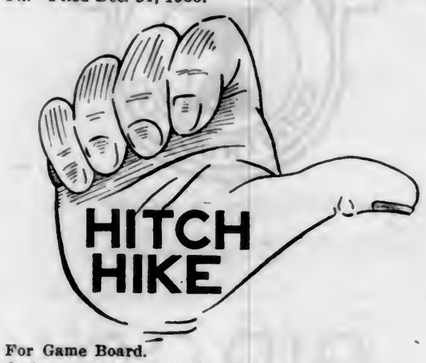
OANO

For Spark Plugs.
Claims use since Nov. 24, 1936.

CLASS 22

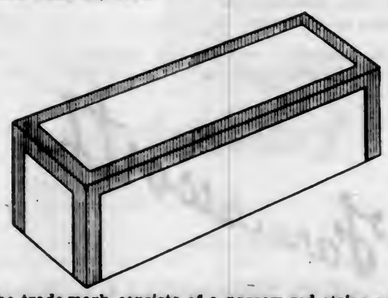
Games, Toys, and Sporting Goods

Ser. No. 373,216. WILLIAM H. HOFSCHER, Wilkinsburg, Pa. Filed Dec. 31, 1935.



For Game Board.
Claims use since July 29, 1935.

Ser. No. 380,352. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed June 27, 1936.



The trade-mark consists of a narrow red stripe applied to one or more edges of the box, bags, or containers for the goods. The representation of the box is disclaimed.

For Fishing Rods, Parts Thereof, and Cases Therefor, Artificial Baits, Artificial Bugs and Flies, Fishing Reels, Fish Stringers, Fish Floats, Fish Hooks, Fish Lines, and Pork Rind and Chunk for Hooks.
Claims use since Aug. 1, 1922.

Ser. No. 383,343. BERSIN PLAYTHINGS, INC., New York, N. Y. Filed Sept. 17, 1936.

Playbird

For Games and Toys, Comprising Badminton, a Form of Game Consisting of Two Driving Members Similar in Form to Tennis Racquets but Made of Wood or Fiber Board or Other Suitable Material, and Another Member Which is Tossed Back and Forth by Two Players Using the Driving Members, the Game Being Played Like Lawn Tennis.
Claims use since June, 1935.

Ser. No. 384,707. RODOLFO HEIMERS, Mexico City, D. F., Mexico. Filed Oct. 23, 1936.

SOLO-TENNIS

The word "Tennis" is disclaimed apart from the mark as shown.
For Tennis Rackets, Palettes, Baseball Bats, Baseballs, Tennis Balls, Footballs, Targets and/or Marks for Aiming the Balls, and Apparatus and Their Supplements and Accessories for Ball Games with Loose or Attached (Captive) Ball and for Ball Games in General.
Claims use since August, 1936.

Ser. No. 385,295. DAVID KOHN, New York, N. Y. Filed Nov. 9, 1936.

SHORT-GOLF
A SHORT CUT TO BETTER

The words "A short cut to better golf" and the golf balls are disclaimed apart from the mark as shown.
For Games Played with Golf Balls and Clubs and a Special Stand Having Pockets Therein.
Claims use since Nov. 6, 1936.

Ser. No. 385,517. GOLDSMITH BROS., New York, N. Y. Filed Nov. 14, 1936.

E-Z PUTT

The word "Putt" is disclaimed apart from the mark.
For Golf Balls.
Claims use since Apr. 3, 1936.

Ser. No. 385,559. FRANK H. CAVIGNAC-ASSOCIATES, Glendale, Long Island, N. Y. Filed Nov. 16, 1936.

D ● LONGEST ● 3

For Golf Balls, Golf Clubs, and Golf Bags.
Claims use since Sept. 1, 1934.

Ser. No. 385,569. EDUCATIONAL ENTERPRISES, Chicago, Ill. Filed Nov. 16, 1936.

Seal-Craft

For Game or Toy Building Discs.
Claims use since Jan. 1, 1936.

Ser. No. 386,128. LEO A. SELTZER, Portland, Oreg. Filed Nov. 30, 1936.

ROLLER DERBY

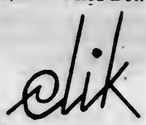
For Roller Skates, Wheels, and Repair Parts Therefor.
Claims use since July 15, 1935.

Ser. No. 386,161. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y. Filed Dec. 1, 1936.

THE LIFETIME DOLL

The word "Doll" is disclaimed apart from the mark.
For Dolls, Costumes for Dolls, Parts of Costumes for Dolls, and Dolls' Wigs.
Claims use since Apr. 1, 1936.

Ser. No. 386,342. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.



For Billiard Chalk.
Claims use since Oct. 1, 1936.

Ser. No. 386,443. DAVID B. RAPAPORT, doing business as Rapaport Brothers, Chicago, Ill. Filed Dec. 7, 1936.

RAP-A-TAP

For Toy Apparatus and Materials for the Creating of Designs by Tapped Indentations on a Metal Surface, Sold as a Unit.
Claims use since May 1, 1936.

Ser. No. 386,556. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Dec. 9, 1936.

School Days

For Marksmanship Practicing Apparatus in Which a Bullet of Light is Employed to Impinge upon a Photo-Electric Cell.
Claims use since Nov. 3, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 357,047. HENRY J. EDWARDS, doing business as Whippet Blade Co., Boston, Mass. Filed Oct. 12, 1934.

Whippet

For Safety Razor Blades.
Claims use since August, 1932.

Ser. No. 379,418. CANDYLAND VENDORS, INCORPORATED, Seattle, Wash. Filed June 8, 1936.

candyland

For Vending Machines.
Claims use since November, 1935.

Ser. No. 383,738. IDEAL ROLLER & MANUFACTURING COMPANY, Chicago, Ill. Filed Sept. 28, 1936.

durolith

For Composition Rollers Especially Adapted for Use in Inking and Dampening in Lithographic Presses.
Claims use since May 23, 1936.

Ser. No. 383,739. IDEAL ROLLER & MANUFACTURING COMPANY, Chicago, Ill. Filed Sept. 28, 1936.

durotype

The term "Type" is disclaimed apart from the mark.
For Composition Rollers Especially Adapted for use in Inking in Typographic Printing Presses.
Claims use since Aug. 26, 1936.

Ser. No. 383,740. IDEAL ROLLER & MANUFACTURING COMPANY, Chicago, Ill. Filed Sept. 28, 1936.

DX

For Composition Rollers Especially Adapted for use in Distributing Ink in Newspaper Printing Presses.
Claims use since Aug. 21, 1936.

Ser. No. 384,162. GEO. J. MEYER MANUFACTURING CO., Cudahy, Wis. Filed Oct. 9, 1936.

Cataract

For Machines to Pasteurize or Cook Foods and Beverages.
Claims use since Apr. 25, 1936.

Ser. No. 385,266. THE MARLIN FIREARMS COMPANY, New Haven, Conn. Filed Nov. 7, 1936. Under section 5b of the act of 1905 as amended in 1920.

Marlin

For Safety Razor Blades.
Claims use since Nov. 1, 1935.

Ser. No. 385,944. HENRY F. SAMSTAG, New York, N. Y. Filed Nov. 24, 1936.

TRUE STORY
HAPPY SHAVING

The expression "Happy Shaving" is disclaimed apart from the mark.
For Single and/or Double Edge Safety Razor Blades.
Claims use since Nov. 21, 1936.

Ser. No. 386,067. THE VILLAGE BLACKSMITH FOLKS, Watertown, Wis. Filed Nov. 28, 1936.

VILLAGE BLACKSMITH

For Knives, Steak Turners, Steels, Chicken Stickers, Block Scrapers, Steak Tenderers, Cleavers, Choppers, Splitters, Spatulas, Pruners, Grass Shears, Hedge Shears, Grass Hooks, Trowels, Dibbles, Dandelion Diggers, Weeders, Spading Forks, Chisels, Punches, Screw Drivers, Drills, and Cotter Pin Tools.
Claims use since July, 1906.

Ser. No. 386,373. NORMA-HOFFMANN BEARINGS CORPORATION, Stamford, Conn. Filed Dec. 5, 1936.

CARTRIDGE

For Ball Bearings.
Claims use since Nov. 23, 1936.

Ser. No. 386,675. CATERPILLAR TRACTOR CO., San Leandro, Calif. Filed Dec. 12, 1936.

CATERPILLAR

Applicant is owner of T. M. Reg. No. 85,816.
For Tractors Adapted to be Employed in Farming Operations, Road Building, Mining, Logging, Earth Moving, Hauling, and for Other Industrial and Agricultural Purposes; Internal Combustion Engines Adapted for Employment as the Source of Power for Self-Propelled Vehicles, and as Stationary or Portable Power Units for Industrial and Agricultural Uses; Power and Manually Controlled Graders, Terracers, Planers, Scarifiers, Leaning Wheel Graders, Elevating Graders, Scrapers, Bulldozers, Levelers, Plows, Ditchers, Bank Cutters, and Back Slopers Adapted to be Employed for the Construction and Maintenance of Roads, for Moving and Removing of Earth, Snow, and Like Materials, for Preventing Soil Erosion and for Other Industrial and Agricultural Uses; Harvesters, Combine Harvesters, Mowers, Push Rakes, Windrow Headers and Windrow Pick-ups; Implement Hitches; Parts and Tools for all of Said Products, and Attachments, Accessories and Equipment Associable With All of Said Products.
Claims use since September, 1904.

Ser. No. 386,967. STA-TITE SNATH COMPANY, Shelbyville, Ind. Filed Dec. 19, 1936.

BACK-SAVER

For Snaths.
Claims use since Oct. 20, 1931.

CLASS 24

Laundry Appliances and Machines

Ser. No. 386,474. ANCHOR DUCK MILLS, Rome, Ga., and Boston, Mass. Filed Dec. 8, 1936.

ANCHOR LOCK

For Laundry Net Bags.
Claims use since Mar. 29, 1933.

Ser. No. 386,911. SAGINAW MANUFACTURING CO., Saginaw, Mich. Filed Dec. 18, 1936.

No. 448

For Folding Ironing Tables.
Claims use since August, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 381,498. ROYAL REVUES, INC., Hollywood, Calif. Filed July 27, 1936.

NEONIZER

For Sensitized Film Suitable for Use in Making Motion Pictures.
Claims use since July 2, 1936.

Ser. No. 383,281. CARL ZEISS, Jena, Germany. Filed Sept. 15, 1936.

Sphaerogon

For Photographic, Microphotographic, Projecting, and Microscope Objectives.
Claims use since Feb. 3, 1936.

Ser. No. 386,321. TECHNICOLOR MOTION PICTURE CORPORATION, Hollywood, Calif. Filed Dec. 4, 1936.

TECHNICOLOR

For Motion Picture Film.
Claims use since Nov. 12, 1936.

Ser. No. 386,839. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Dec. 17, 1936.

CLIPPER

For Photographic Cameras.
Claims use since Dec. 1, 1936.

Ser. No. 386,871. ROBERTSHAW THERMOSTAT COMPANY, Youngwood, Pa. Filed Dec. 17, 1936.

Thermal Eye

For Thermostats, Thermostatic Regulators, and Thermostatic Indicators.
Claims use since Dec. 4, 1936.

CLASS 27

Horological Instruments

Ser. No. 386,261. HERMAN LEHMAN, New York, N. Y. Filed Dec. 3, 1936.

RIMA

For Watches, Watch Cases, Watch Parts, Watch Movements, Watch Bracelets Sold as a Unit with the Watch.
Claims use since June, 1932.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 370,011. MIDWAY CHEMICAL COMPANY, Chicago, Ill. Filed Oct. 4, 1935.

AERO

For Mops.
Claims use since Dec. 15, 1931.

Ser. No. 377,231. MAX RATHUS, doing business as Nu-Texture Company, St. Albans, N. Y. Filed Apr. 15, 1936.

"Nu-Texture"

For Painters' Stippling and Servicing Brushes and Sponges.
Claims use since Mar. 11, 1936.

Ser. No. 386,282. ALLEGHENY COUNTY WORKHOUSE AND INEBRIATE ASYLUM, Blawnox, Pa. Filed Dec. 4, 1936.



For Brooms.
Claims use since January, 1911.

Ser. No. 386,496. OX FIBRE BRUSH COMPANY, INC., New York, N. Y., and Frederick, Md. Filed Dec. 8, 1936.

GUARDSMAN

For Clothes Brushes.
Claims use since Oct. 21, 1936.

Ser. No. 386,884. BAKER BRUSH CO., INC., New York, N. Y. Filed Dec. 18, 1936.



The drawing is lined for red. The words "Brand" and "Smooth as a Feather" are disclaimed apart from the mark.
For Paint Brushes.
Claims use since Sept. 25, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 381,952. L. SONNEBORN SONS, INC., New York, N. Y. Filed Aug. 8, 1936.

POROCEL

For Adsorbent Materials in the Nature of an Earth Product Used in the Filtration of Oils.
Claims use since July 27, 1936.

Ser. No. 384,368. C. F. BURGESS LABORATORIES, INC., Chicago, Ill. Filed Oct. 15, 1936.

BIRM

For Granular Mineral Material for Purifying Water of Dissolved Iron and Manganese Compounds and Hydrogen Sulphide.
Claims use since Apr. 2, 1935.

Ser. No. 386,337. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

BLUE FLASH

The drawing is lined for blue.
For Electrically Refrigerated Beverage Coolers.
Claims use since Feb. 1, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 370,384. THE A. M. LEWIN LUMBER CO., Cincinnati, and Madisonville, Cincinnati, Ohio. Filed Oct. 15, 1935.



The words "Displa-Wel Banana Rack" are disclaimed apart from the mark. The drawing is lined for yellow.
For Display Racks.
Claims use since Oct. 11, 1935.

Ser. No. 385,998. LOUIS URDANG, doing business as Read-O-Desk Co., Tenafly, N. J. Filed Nov. 25, 1936.

READ-O-DESK

The word "Desk" is disclaimed apart from the mark.
For Reading Desks.
Claims use since Nov. 10, 1936.

Ser. No. 386,276. SPRING PRODUCTS CORPORATION, Long Island City, N. Y. Filed Dec. 3, 1936.

SPROCO

For Springs for Beds and Furniture.
Claims use since Aug. 10, 1921.

CLASS 33

Glassware

Ser. No. 382,756. FREDERICK F. LOWENFELS & SON, New York, N. Y. Filed Aug. 31, 1936.

Irayette

For Glass Butter Dish and Cover.
Claims use since July 6, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 386,089. JOHN T. BELANGER, doing business as Air Conditioning Products Company, Detroit, Mich. Filed Nov. 25, 1936.

AIR-FLO

For Automatic Shutters, Hand Operated Shutters, Mechanically Operated Shutters, Automatic Back Draft Dampers, Hand Operated Back Draft Dampers, and Mechanically Operated Back Draft Dampers for Ventilating and Air Conditioning.
Claims use since Mar. 25, 1936.

Ser. No. 386,842. AUTOMATIC BURNER CORPORATION, Chicago, Ill. Filed Dec. 17, 1936.

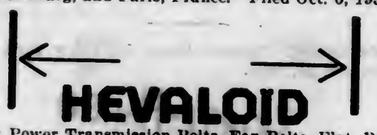
MISTOLATOR

For Oil Burners and Parts.
Claims use since Nov. 15, 1933.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 384,027. CELA HOLDING S. A., Luxembourg, Luxembourg, and Paris, France. Filed Oct. 6, 1936.



For Power Transmission Belts, Fan Belts, Flat, Round, and V Shaped; Rubber Belting and Fabric Belting, Mechanical Driving Cables, and Conveyor Beltings.
Claims use since Aug. 14, 1936.

Ser. No. 385,991. ARTHUR H. RAHMANN, doing business as Geo. Rahmann & Co., New York, N. Y. Filed Nov. 25, 1936.

POWR PLUS

Applicant disclaims the term "Powr" as applied to leather belting, apart from the mark.
For Leather Belting.
Claims use since Oct. 21, 1936.

Ser. No. 386,460. SPUR RUBBER COMPANY, INC., Chicago, Ill. Filed Dec. 7, 1936.



As individual words "Balanced", "Bead", and "Tire" and the portion of a tire are disclaimed apart from the mark as shown.
For Vehicle Tires Composed of Rubber and Fabric.
Claims use since October, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 379,169. KARL AUGUST BRAUN, doing business as Wilhelm Herwig, Markneukirchen, Germany. Filed June 2, 1936.



For Flutes of All Kinds, Mandolins, Lutes, Guitars, and Strings for Musical Instruments.
Claims use since Apr. 19, 1928.

Ser. No. 385,653. STRICH & ZEIDLER, INC., New York, N. Y. Filed Nov. 17, 1936. Under 10-year proviso.

Strich & Zeidler

For Pianos.
Claims use since 1889.

Ser. No. 385,711. THE WATERBURY BUTTON COMPANY, Waterbury, Conn. Filed Nov. 18, 1936.

WAZZU

The drawing is lined for red.
For Novelty Humming Musical Instruments.
Claims use since Nov. 5, 1936.

Ser. No. 386,882. AMERICAN RECORD CORPORATION, New York, N. Y. Filed Dec. 18, 1936.

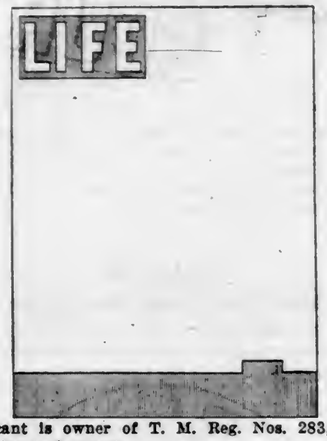
Flexite

For Phonograph Records and Record Blanks.
Claims use since Dec. 4, 1936.

CLASS 38

Prints and Publications

Ser. No. 386,509. TIME, INCORPORATED, New York, N. Y. Filed Dec. 8, 1936.



Applicant is owner of T. M. Reg. Nos. 283,356 and 293,363 by assignment.

The drawing is lined for red. The representation of a magazine cover is disclaimed apart from the mark shown.

For Weekly Magazine.

Claims use since Nov. 19, 1936.

CLASS 39

Clothing

Ser. No. 372,962. H. DAROFF & SONS, INC., Philadelphia, Pa. Filed Dec. 23, 1935.



For Men's and Young Men's Suits, Trousers, Top-Coats, and Overcoats.

Claims use since Dec. 11, 1935.

Ser. No. 381,508. JOHN H. MCEVOY, doing business as Home Manufacturing Company, Decatur, Ill. Filed July 23, 1936.

Simplicity Frock

The word "Frock" is disclaimed apart from the mark.

For Clothing—Namely, Ladies' House Dresses.

Claims use since Jan. 1, 1933.

Ser. No. 385,728. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 19, 1936.

HOUSE & TOWN

The word "House" is disclaimed apart from the mark shown.

For Women's and Children's Coats and Dresses.

Claims use since Sept. 15, 1936.

Ser. No. 385,985. LOUNGEWEAR INC., New York, N. Y. Filed Nov. 25, 1936.

ZIPAJAMA

For Ladies' and Misses' Negligees, Costume Slips, Shorts for Underwear, Nightgowns, and Pajamas Made of Knitted, Netted, or Woven Textile Fabrics of Cotton, Linen, Silk, Artificial Silk, and all Mixtures or Combinations of Said Materials.

Claims use since Oct. 1, 1936.

Ser. No. 385,990. RALCO UNDERGARMENT CORP., New York, N. Y. Filed Nov. 25, 1936.

FASHION STAR

The word "Fashion" is disclaimed apart from the mark.

For Women's and Misses' Slips.

Claims use since Nov. 12, 1936.

Ser. No. 386,171. MAX ROSENBAUM, Brooklyn, N. Y. Filed Dec. 1, 1936.

FROCK OF THE WEEK

The word "Frock" is disclaimed apart from the mark.

For Women's and Children's Cotton and Silk Dresses.

Claims use since Nov. 16, 1936.

Ser. No. 386,255. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Dec. 3, 1936.

CREPE-LUXELLE

The word "Crepe" is disclaimed apart from the mark.

For Underwear for Women.

Claims use since Aug. 21, 1936.

Ser. No. 386,631. MEYER BROD, doing business as Brodmoor Frocks, Chicago, Ill. Filed Dec. 11, 1936.

BRODMOOR

For Women's Wearing Apparel—Namely Dresses.

Claims use since Nov. 30, 1936.

Ser. No. 386,996. HERBERT KOHN, INC., New York, N. Y. Filed Dec. 21, 1936.

SKIRTI-PAREO

For Combination Short and Wrap-Around Skirt.

Claims use since Oct. 17, 1936.

Ser. No. 387,049. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Dec. 22, 1936.

PENNEYWISE

For Men's, Women's, and Children's Hosiery.

Claims use since Nov. 23, 1936.

Ser. No. 387,139. MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y. Filed Dec. 24, 1936.

"REMSENFOLD"

For Men's Neckties and Mufflers.

Claims use since December, 1935.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 387,065. HAAS-JORDAN COMPANY, Toledo, Ohio. Filed Dec. 23, 1936.

Peek-A-Boo

For Umbrellas.

Claims use since Oct. 31, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 384,214. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Oct. 10, 1936.

Style-Tested

The word "Style" apart from the word "Tested" and the word "Tested" apart from the word "Style" are disclaimed.

For Fabrics in the Piece Made of Silk and Synthetic Yarns.

Claims use since Dec. 15, 1935.

Ser. No. 386,258. JOSEF KNITTED FABRICS, INC., New York, N. Y. Filed Dec. 3, 1936.

"ALFAPACA"

For Piece Goods of Woolen, Worsted, Woven, and Knitted Fabrics, and Fabrics of Rayon, Linen, and Combinations of These Materials.

Claims use since Jan. 2, 1936.

Ser. No. 386,597. SANDY FABRICS CORP., New York, N. Y. Filed Dec. 10, 1936.



No claim is made to the word "Print" apart from the mark shown or to the representation of the tag or label itself.

For Textile Fabrics, in the Piece, of Wool, Cotton, Silk, Rayon, and Combinations Thereof.

Claims use since Sept. 7, 1936.

Ser. No. 386,627. AMERICAN DYEING CORPORATION, Rockville, Conn. Filed Dec. 11, 1936.

AMAYCO FINISH

The word "Finish" apart from the mark is disclaimed.

For Silk and Rayon Piece Goods.

Claims use since Dec. 7, 1936.

Ser. No. 386,676. TRUHU SILK CORPORATION, New York, N. Y. Filed Dec. 17, 1936.

TRUHU

For Silk, Artificial-Silk, Silk and Artificial-Silk, Silk and Wool, Silk and Cotton, Piece Goods.

Claims use since Mar. 30, 1920.

Ser. No. 386,955. LINKER & HERBERT, INC., New York, N. Y. Filed Dec. 19, 1936.

Dalway

For Woolen and Wool Mixture Fabrics in the Piece.

Claims use since Nov. 5, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 383,594. H. D. NIBLACK, doing business as Dr. Niblack Laboratories, Denver, Colo. Filed Sept. 24, 1936.



The use of a black background, per se, is disclaimed.

For Electric Diagnostic Machines.

Claims use since Jan. 1, 1936.

Ser. No. 385,434. THE L. D. CAULK COMPANY, Milford, Del. Filed Nov. 12, 1936.

DENTOCOOLER

For Dental Impression Trays.

Claims use since Oct. 19, 1936.

Ser. No. 386,624. THE STERILEK COMPANY INC., Brooklyn, N. Y. Filed Dec. 12, 1936.

BOB-ETTE

For Sanitary Napkins.

Claims use since July 14, 1936.

Ser. No. 386,706. EUGENE, LIMITED, New York, N. Y. Filed Dec. 14, 1936.

aerogène

For Permanent Wave Contactors and Permanent Wave Supplies—Namely, Spiral and Croquignole Sachets.
Claims use since Nov. 24, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 380,555. CONSOLIDATED BEVERAGES LIMITED, Toronto, Ontario, Canada. Filed July 3, 1936.

O'Kee-Dokee

For Nonalcoholic Maltless Beverages Sold as Soft Drinks and Syrups and Extracts Used in Making the Same.
Claims use since Jan. 2, 1936.

Ser. No. 386,750. TAYBOR PRODUCTS CO., Santa Monica, Calif. Filed Dec. 14, 1936.

JAG

For Canned Citrous Juices for Use in the Preparation of Mixed Drinks.
Claims use since May 8, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 372,438. SPERRY FLOUR COMPANY, San Francisco, Calif. Filed Dec. 9, 1935.

NIBS

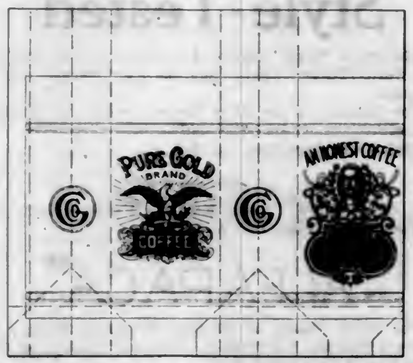
For Milled Grain Products and Preparations Thereof, Particularly Poultry Food and Food for Livestock, Including Cattle, Sheep, and Rabbits.
Claims use since Oct. 21, 1935.

Ser. No. 374,304. STROHMEYER & ARPE COMPANY, New York, N. Y. Filed Jan. 30, 1936.



The portrait is that of the late King Geo. V of England.
For Canned Fish.
Claims use since Jan. 23, 1936.

Ser. No. 377,920. THE GOYER COMPANY, Greenville, Miss. Filed May 2, 1936.



The portrait is that of George Washington. The words "Brand", "Coffee", and "An Honest Coffee" apart from the mark and the representation of the goods, per se, are disclaimed.
For Coffee.
Claims use since 1904.

Ser. No. 382,775. SOCIETÀ ANONIMA COOPERATIVA LATTERIA SORESINESE, Soresina, Italy. Filed Aug. 31, 1936.



The word "Italy" is disclaimed apart from the mark. The drawing is lined for red and black.
For Cheese, Butter, Evaporated Milk, Condensed Milk, Milk Sugar, Milk Powder.
Claims use since Aug. 1, 1934.

Ser. No. 383,087. DIXIE STORES, INCORPORATED, Greenville, S. C. Filed Sept. 10, 1936.

ROSE ROYAL

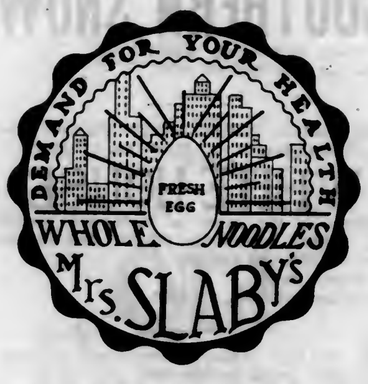
For Plain and Self-Rising Wheat Flour.
Claims use since Aug. 1, 1936.

Ser. No. 383,338. WESCO FOODS COMPANY, Cincinnati, Ohio. Filed Sept. 16, 1936.



The word "Recipe" is disclaimed apart from the mark.
For Baking Powder.
Claims use since Aug. 11, 1936.

Ser. No. 384,568. PETER SLABY, doing business as Mrs. Slaby's Noodles Co., Cicero, Ill. Filed Oct. 19, 1936.



The words "Demand for your health fresh whole egg noodles" are disclaimed from the mark as shown.
For Noodles.
Claims use since June 1935.

Ser. No. 385,250. DINGFELDER & BALISH, New York, N. Y. Filed Nov. 7, 1936.



The words "Idaho Russet Baking Potatoes" are disclaimed apart from the mark.
For Potatoes in Their Natural State.
Claims use since October, 1935.

Ser. No. 385,302. NORRIS INCORPORATED, Atlanta, Ga. Filed Nov. 9, 1936.

DELLA ROBBIA

For Candy.
Claims use since July, 1922.

Ser. No. 385,372. SOUTHERN DAIRIES, INC., Washington, D. C. Filed Nov. 3, 1936.

WALDORF

For Frozen Confections, Including Ice Cream.
Claims use since Oct. 9, 1936.

Ser. No. 385,435. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash. Filed Nov. 12, 1936.

BAKERS JOY

For Wheat Flour.
Claims use since October, 1917.

Ser. No. 385,538. BAYARD S. SCOTLAND, doing business as Major Foods, Joliet, Ill. Filed Nov. 14, 1936.

Wheat-CREAM

The word "Wheat" is disclaimed apart from the mark shown.
For Macaroni.
Claims use since Oct. 3, 1936.

Ser. No. 385,797. FRANK W. MOORE, Redlands, Calif. Filed Nov. 20, 1936.

Tango

For Fresh Citrus Fruit and Citrus Juices Used for Food Purposes.
Claims use since Oct. 31, 1936.

Ser. No. 385,832. LUCIUS P. COOK, doing business as L. P. Cook, Memphis, Tenn. Filed Nov. 21, 1936.

OLE MISS



For Stock and Poultry Feed.
Claims use since 1910.

Ser. No. 386,016. DRIED FOOD PRODUCTS CO., Maywood, Calif. Filed Nov. 27, 1936.

Mr. Alba WHIP

The word "Whip" is disclaimed apart from the mark.
For Meringue Powder.
Claims use since Sept. 5, 1936.

Ser. No. 386,056. VAC-MADE FOODS CORPORATION, Chicago, Ill. Filed Nov. 27, 1936.

Puff

For Malt Chocolate Mixture in Powder Form for Use with Fresh Milk to Make Hot or Cold Chocolate Malted Milk Beverages and to Make Candy and Confection Products.
Claims use since Aug. 25, 1936.

Ser. No. 386,333. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Dec. 5, 1936.

SNOWTEX

For Wheat Flour.
Claims use since Nov. 12, 1936.

Ser. No. 386,638. FRED S. EHRLICH, Los Angeles, Calif. Filed Dec. 11, 1936.

ROYAL HAWAIIAN

For Raw Coffee and Coffee Kernels Imported in Its Raw State and Sold Exclusively to Coffee Dealers.
Claims use since Oct. 9, 1933.

Ser. No. 386,645. GENERAL MILLS, INC., Minneapolis, Minn. Filed Dec. 11, 1936.

SOUTHERN SNOW

For Flour, Particularly Wheat Flour.
Claims use since Nov. 24, 1936.

Ser. No. 386,652. NATIONAL FRUIT PRODUCT COMPANY, INC., Washington, D. C. Filed Dec. 11, 1936.

WHITE HOUSE

Applicant is the owner of trade-mark registrations 16,895, 104,641 (renewed), 121,723, 180,708, 196,130, 299,846, 316,305, and 336,489.
For Peanut Butter.
Claims use since Nov. 17, 1936.

Ser. No. 386,821. SPERRY FLOUR COMPANY, San Francisco, Calif. Filed Dec. 16, 1936.

BOOSTER

For Flour, Particularly Wheat Flour.
Claims use since Oct. 21, 1930.

Ser. No. 387,033. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Dec. 22, 1936.

DEXTROPEP

For Dextrose Tablets in the Nature of Confectionery.
Claims use since Dec. 17, 1936.

Ser. No. 387,034. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Dec. 22, 1936.

DEXTROSPORT

For Dextrose Tablets in the Nature of Confectionery.
Claims use since Dec. 17, 1936.

Ser. No. 387,115. CONTINENTAL FOODS CORPORATION, Los Angeles, Calif. Filed Dec. 24, 1936.

BROWN CROCK

For Baked Beans.
Claims use since Nov. 14, 1936.

Ser. No. 387,129. HOLYOKE WHOLESALE GROCERY CO., INC., Holyoke, Mass. Filed Dec. 24, 1936.

Nonotuck

For Canned Vegetables.
Claims use since Oct. 6, 1936.

Ser. No. 387,189. ABE M. KATZ COMPANY, Robstown, Tex. Filed Dec. 28, 1936.

BLUE BABY

For Fresh Vegetables.
Claims use since Dec. 11, 1936.

CLASS 47

Wines

Ser. No. 386,625. WINE PACKING CORPORATION OF CALIFORNIA, Stockton, Calif. Filed Dec. 11, 1936.

Old Festival

For Wines.
Claims use since Oct. 1, 1936.

Ser. No. 386,748. JOSEPH SPATOLA, SR., doing business as Spatola Importing Company, Philadelphia, Pa. Filed Dec. 14, 1936.



No claim is made to the representation of a label or to a label colored black with white lettering apart from the mark shown.
For Wine.
Claims use since March, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 376,404. REGAL BREWING COMPANY LIMITED, Hamilton, Ontario, Canada. Filed Mar. 25, 1936.

GOLD SPUR

For Ales, Beers, Lagers, Porters, Stouts.
Claims use since Apr. 12, 1935.

Ser. No. 380,858. ATLAS BREWING COMPANY, Chicago, Ill. Filed July 10, 1936.



For Beer.
Claims use since Nov. 24, 1933.

Ser. No. 386,200. THE BRUCKMANN COMPANY, Cincinnati, Ohio. Filed Dec. 2, 1936.



For Beer and Ale.
Claims use since Jan. 2, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 385,670. LAIRD AND COMPANY, Scobeyville and Eatontown, N. J. Filed Nov. 18, 1936.

APPLEBROOK

For Brandy.
Claims use since Nov. 4, 1936.

Ser. No. 385,671. LAIRD AND COMPANY, Scobeyville and Eatontown, N. J. Filed Nov. 18, 1936.

Brandybrook

For Brandy.
Claims use since Nov. 5, 1936.

Ser. No. 385,738. KOLMAR, INC., Cincinnati, Ohio. Filed Nov. 19, 1936.

King's
De Luxe

For Whiskey.
Claims use since Oct. 28, 1935.

Ser. No. 385,772. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Filed Nov. 20, 1936.

GILT SHILLIN'

The drawing is lined for gold.
For Whiskey.
Claims use since Apr. 2, 1936.

Ser. No. 385,786. HARRY GRITZ, doing business as Harry Gritz Liquor Store, Washington, D. C. Filed Nov. 20, 1936.

BOOKER "T"

For Whiskey.
Claims use since Apr. 1, 1934.

Ser. No. 385,963. R. A. BAKER, Versailles, Ky. Filed Nov. 25, 1936.

R. A. BAKER

The name R. A. Baker is a facsimile of applicant's signature.
For Whiskey.
Claims use since Nov. 17, 1936.

Ser. No. 386,024. GIMBEL BROTHERS, INC., New York, N. Y. Filed Nov. 27, 1936.

PARKLEIGH

For Whiskey.
Claims use since Oct. 19, 1936.

Ser. No. 386,156. FLORIDA CANE PRODUCTS CORPORATION, Miami, Fla. Filed Dec. 1, 1936.



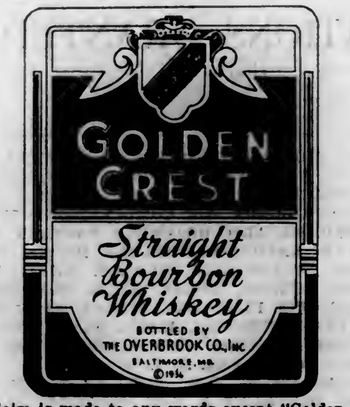
The wording is disclaimed except in combination with the trade-mark as shown. The drawing is lined for gray and red.
For Distilled Alcoholic Liquors and More Particularly Gin.
Claims use since Apr. 27, 1936.

Ser. No. 386,365. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Filed Dec. 5, 1936.

Paul Jones

The name and silhouette figure are those of John Paul Jones, Scottish-American naval officer, 1747–1792.
For Whiskey.
Claims use since Sept. 4, 1936.

Ser. No. 386,374. THE OVERBROOK COMPANY, INC., Baltimore, Md. Filed Dec. 5, 1936.



No claim is made to any words except "Golden Crest".
For Whiskey and Gin.
Claims use since July 27, 1936.

Ser. No. 386,403. CHARLES & CO., New York, N. Y. Filed Dec. 7, 1936.

STEAMBOAT

For Whiskey.
Claims use since Nov. 28, 1936.

Ser. No. 386,531. COLONIAL LIQUOR DISTRIBUTORS, INC., Kingston, N. Y. Filed Dec. 9, 1936.

CADET

For Whiskey.
Claims use since Mar. 24, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 377,991. THE NATIONAL IDEAL COMPANY, Toledo, Ohio. Filed May 4, 1936.

PREMIER

For Coal, Oil, Battery, and Electric Brooders, Chick, Fowl, and Flock Feeding and Watering Receptacles, Poultry House Ventilators, and Parts Thereof.
Claims use since Apr. 25, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

FEBRUARY 16, 1937

343,225. GIN. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind., a corporation of Indiana.
Filed January 5, 1935. Serial No. 359,943. PUBLISHED APRIL 9, 1935. Class 49.

343,226. COTTON DRESS GOODS IN THE PIECE. EDWIN E. BERLINER & CO., New York, N. Y.
Filed January 9, 1935. Serial No. 360,062. PUBLISHED SEPTEMBER 17, 1935. Class 42.

343,227. PAINTS—NAMELY, READY-MIXED PAINTS, AND READY-TO-MIX PAINTS, VARNISHES, AND LACQUERS. NORFOLK PAINT & VARNISH COMPANY, Quincy and Atlantic, Mass.
Filed January 14, 1935. Serial No. 360,238. PUBLISHED DECEMBER 1, 1936. Class 16.

343,228. WHISKEY, GIN, BRANDY, COGNAC AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed February 13, 1935. Serial No. 361,370. PUBLISHED APRIL 23, 1935. Class 49.

343,229. ASH TRAYS, CIGARETTE BOXES, HUMIDORS, PIPE RACKS, CIGARETTE CASES, AND TABLE SMOKING STANDS. THE BAER & WILDE COMPANY, Attleboro, Mass., assignor to Swank Products, Inc., Attleboro, Mass., a corporation of Delaware.
Filed June 19, 1935. Serial No. 366,353. PUBLISHED AUGUST 18, 1936. Class 8.

343,230. MEN'S AND BOYS' TOPCOATS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed July 1, 1935. Serial No. 366,863. PUBLISHED NOVEMBER 19, 1935. Class 39.

343,231. HOES, RAKES, WEEDERS, SEEDERS, WEED AND DANDELION REMOVERS, AND HAND-OPERATED SMOOTH-EDGED PRUNERS FORMED WITHOUT SAW TOOTH EDGES. GEORGE PIRICH, doing business as Four D's Company, Minneapolis, Minn.
Filed July 8, 1935. Serial No. 367,083. PUBLISHED OCTOBER 22, 1935. Class 23.

343,232. ELECTRICAL ADVERTISING DEVICES CONSISTING OF A PLURALITY OF LIGHTS ROTATABLY MOUNTED ON A ROTATING DISC PRODUCING CHANGEABLE DESIGNS. EVE-DELIGHT-ADVERTISER, Brooklyn, N. Y.
Filed December 9, 1935. Serial No. 372,407. PUBLISHED DECEMBER 8, 1936. Class 21.

343,233. AUTOMOBILE POLISH WITH INCIDENTAL CLEANING PROPERTIES, AND TOUCH-UP ENAMEL. THE PURE OIL COMPANY, Chicago, Ill.
Filed December 23, 1935. Serial No. 372,996. PUBLISHED DECEMBER 8, 1936. Class 16.

343,234. CANDLESTICKS, CANDLE SCONCES, AND CANDELABRA. ART BRASS COMPANY, New York, N. Y.
Filed January 25, 1936. Serial No. 374,074. PUBLISHED DECEMBER 8, 1936. Class 34.

343,235. HOLDERS FOR THE FOLLOWING ARTICLES: TUMBLERS, TOOTH BRUSHES, SOAP, RECEPTACLES, SPONGE, TOILET PAPER, BROOMS, AND HOLDERS FOR COMBINATIONS OF SAID ARTICLES, ALSO BRACKETS, BATHTUB RAILS, GLASS BATHROOM SHELVES, HOOKS, PLUMBERS' ACCESSORIES—NAMELY, METAL WASHERS, SCREWS, BOLTS, NUTS, COMPRESSION CUSHIONS, PIPE CONNECTIONS, TANK BULBS, VALVES, BUMPERS, RINGS, PINS, STOPPERS, HINGES, CHAINS, FLANGES, RODS. ART BRASS COMPANY, New York, N. Y.
Filed January 25, 1936. Serial No. 374,075. PUBLISHED DECEMBER 8, 1936. Class 13.

343,236. ELECTRIC HEADLIGHT AND SIGNAL LAMPS FOR STREET AND RAILWAY CROSSINGS, FIRE TRUCKS, EMERGENCY TRUCKS AND AUTOMOBILES, RAILWAY ENGINES AND CARS, STREET CARS, AMBULANCES, AND THE LIKE. JEREMIAH D. KENNELLY, Oak Park, Ill.
Filed February 3, 1936. Serial No. 374,413. PUBLISHED DECEMBER 8, 1936. Class 21.

343,237. COMPOSITION ROOFING—NAMELY, ASPHALT SHINGLES. THE BARBER ASPHALT COMPANY, Philadelphia, Pa., assignor to The Barber Company, Inc., Philadelphia, Pa., a corporation of New Jersey.
Filed March 11, 1936. Serial No. 375,835. PUBLISHED DECEMBER 1, 1936. Class 12.

343,238. HEAT INSULATING PADS USED IN PERMANENT WAVING. NATIONAL MINERAL COMPANY, Chicago, Ill.
Filed March 27, 1936. Serial No. 376,486. PUBLISHED DECEMBER 8, 1936. Class 44.

343,239. ELECTRICAL REFRIGERATORS, AND COOLING UNITS THEREFOR. UNIVERSAL COOLER CORPORATION, Detroit, Mich.
Filed April 4, 1936. Serial No. 376,821. PUBLISHED JUNE 16, 1936. Class 31.

343,240. WOMEN'S FUR COATS. HYMAN GOLDBERG, doing business as American Fur House, New York, N. Y.
Filed April 7, 1936. Serial No. 376,902. PUBLISHED DECEMBER 8, 1936. Class 39.

343,241. MACHINES EMPLOYING HIGH TEMPERATURES FOR THE ELIMINATION OF DEFECTS IN THE SURFACES OF METAL BODIES. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed April 15, 1936. Serial No. 377,226. PUBLISHED DECEMBER 8, 1936. Class 23.

343,242. MUSICAL TOYS, ESPECIALLY TOY PIANOS. LANGFELDER, HOMMA & HAYWARD, INC., New York, N. Y.
Filed April 16, 1936. Serial No. 377,274. PUBLISHED DECEMBER 1, 1936. Class 22.

343,243. NEWSPAPER CARTOONS PUBLISHED IN A CONTINUING SERIES. PUBLISHERS SYNDICATE, Chicago, Ill.
Filed April 17, 1936. Serial No. 377,322. PUBLISHED DECEMBER 1, 1936. Class 38.

343,244. MEN'S AND BOYS' TOPCOATS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed April 23, 1936. Serial No. 377,548. PUBLISHED DECEMBER 1, 1936. Class 39.

343,245. GAME APPARATUS INCLUDING A MOVING PICTURE CAMERA WHEREIN SYMBOLS ARE PROJECTED ON A SCREEN AND THE PARTICIPANTS SCORE ACCORDING TO SUCH PROJECTIONS WHICH RELATE TO ONE OF THE GAMES. WILLIAM S. KARP, New York, N. Y.
Filed April 23, 1936. Serial No. 377,550. PUBLISHED DECEMBER 1, 1936. Class 22.

343,246. GINS. P. MELCHERS' DISTILLERIES, Schiedam, Netherlands.
Filed Aril 29, 1936. Serial No. 377,799. PUBISHED JUNE 16, 1936. Class 49.

343,247. BEER. FLINT HILL BREWING COMPANY, Flint, Mich.
Filed May 2, 1936. Serial No. 377,922. PUBLISHED DECEMBER 8, 1936. Class 48.

343,248. MUFFLERS. H. C. COHN & CO., Rochester, N. Y.
Filed May 7, 1936. Serial No. 378,132. PUBLISHED DECEMBER 8, 1936. Class 39.

343,249. MEN'S CLOTHING—NAMELY, COATS, PANTS, VESTS, TOP-COATS, AND OVERCOATS. JACOB POLLACK & SONS, New York, N. Y.
Filed May 9, 1936. Serial No. 378,266. PUBLISHED DECEMBER 1, 1936. Class 39.

343,250. CONDENSERS. NIAGARA BLOWER COMPANY, Buffalo and New York, N. Y.
Filed May 11, 1936. Serial No. 378,323. PUBLISHED DECEMBER 8, 1936. Class 34.

343,251. SYNTHETIC PEARLS AND JEWELRY NOVELTIES—NAMELY, DRESS CLIPS, WHICH CLIPS ARE ORNAMENTAL AND WORN AS AN ARTICLE OF JEWELRY, BRACELETS, PEARL NECKLACES, CLIP BROOCHES, BUCKLES FOR WRISTBANDS OF WATCHES, EARRINGS, AND CLASPS, IN METAL, RHINESTONE, CATALIN, OR PEARL. ALBERT WEINER, doing business as Albert Manufacturing Company, Providence, R. I.
Filed May 27, 1936. Serial No. 378,960. PUBLISHED DECEMBER 1, 1936. Class 28.

343,252. AIRPLANES. THE GLENN L. MARTIN COMPANY, Baltimore and Middle River, Md.
Filed May 28, 1936. Serial No. 379,004. PUBLISHED DECEMBER 8, 1936. Class 19.

343,253. BROAD AND NARROW ELASTIC FABRICS. COLUMBIA NARROW FABRIC COMPANY, Shannock, R. I.
Filed June 13, 1936. Serial No. 379,584. PUBLISHED DECEMBER 8, 1936. Class 42.

343,254. THUMB LATCHES, GARAGE DOOR LOCK SETS, NIGHT LATCHES, BARREL BOLTS, FRONT DOOR LOCK SETS, STORE DOOR LOCK SETS, MORTISE INSIDE LOCK SETS, RIM KNOB LOCK SETS, RIM LOCKS, AND SASH FASTS. SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa.
Filed June 17, 1936. Serial No. 379,855. PUBLISHED DECEMBER 1, 1936. Class 25.

343,255. RUM. WEST INDIES RUM DISTILLERIES INC., Ponce and Playa Ponce, Puerto Rico.
Filed June 16, 1936. Serial No. 379,926. PUBLISHED DECEMBER 8, 1936. Class 49.

343,256. COAT AND SNOW PANTS ENSEMBLE GARMENT. ROSENBLATT & KAHN, New York, N. Y.
Filed June 24, 1936. Serial No. 380,158. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,257. WOMEN'S COATS, SWEATERS, AND BLOUSES. ARTHUR J. MAYER, doing business as Max Mayer's Sons, New York, N. Y.
Filed June 25, 1936. Serial No. 380,211. PUBLISHED DECEMBER 1, 1936. Class 39.

343,258. SPARKLING WINES. HENKELL & CO., Wiesbaden-Biebrich, Germany.
Filed June 29, 1936. Serial No. 380,399. PUBLISHED DECEMBER 8, 1936. Class 47.

343,259. SPARKLING WINES. HENKELL & CO., Wiesbaden-Biebrich, Germany.
Filed June 29, 1936. Serial No. 380,400. PUBLISHED DECEMBER 8, 1936. Class 47.

343,260. COFFEE, TEA. THE SHEAR COFFEE COMPANY OF TEXAS, Waco, Tex.
Filed June 29, 1936. Serial No. 380,411. PUBLISHED DECEMBER 8, 1936. Class 46.

343,261. LAUNDRY WASHING MACHINES. TRIANGLE ELECTRIC CO., Chicago, Ill.
Filed July 8, 1936. Serial No. 380,806. PUBLISHED DECEMBER 8, 1936. Class 24.

343,262. HEAT ABSORBING FILTER GLASS AND ORDINARY WINDOW GLASS. CORNING GLASS WORKS, Corning, N. Y.
Filed July 15, 1936. Serial No. 381,022. PUBLISHED DECEMBER 8, 1936. Class 33.

343,263. CLEANSING PADS MADE OF PAPER AND FOR USE IN CLEANING PORCELAIN, VITRIFIED CHINA, ENAMELWARE, AND THE LIKE. MINNA I. REACH, Pasadena, Calif.
Filed July 15, 1936. Serial No. 381,047. PUBLISHED DECEMBER 1, 1936. Class 4.

343,264. PIECE GOODS OF COTTON, OF WOOL, OF RAYON, AND OF A MIXTURE OF ANY OR ALL OF SUCH MATERIALS. THE LAMPL SPORTSWEAR MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 17, 1936. Serial No. 381,112. PUBLISHED DECEMBER 8, 1936. Class 42.

343,265. PIECE GOODS OF COTTON, OF WOOL, OF RAYON, AND OF A MIXTURE OF ANY OR ALL OF SUCH MATERIALS. THE LAMPL SPORTSWEAR MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 17, 1936. Serial No. 381,113. PUBLISHED DECEMBER 8, 1936. Class 42.

343,266. APRONS, HOOVERETTES—NAMELY, COAT STYLE DRESSES OPEN IN THE FRONT AND TIED IN THE BACK FOR KITCHEN AND HOUSEHOLD PURPOSES, HOUSEDRESSES, AND SMOCKS. LEVIN & CO., New York, N. Y.
Filed July 21, 1936. Serial No. 381,273. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,267. SHOULDER STRAPS. THE NARROW FABRIC COMPANY, West Reading, Reading, Pa.
Filed July 25, 1936. Serial No. 381,464. PUBLISHED DECEMBER 8, 1936. Class 40.

343,268. DRAPERY HARDWARE, WROUGHT IRON DRAPERY FIXTURES, BRASS DRAPERY FIXTURES, WOOD POLE DRAPERY SETS, WOOD AND METAL DRAPERY CORNICES, SWINGING DRAPERY ARMS, FLOWER POT HOLDERS OF METAL, METALLIC BINDINGS AND CORNER PIECES FOR CARPETS, LINOLEUMS, AND LIKE FLOOR-COVERINGS, CAST METAL SOIL PIPE FITTINGS, CAST METAL SCREWED PLUMBING FITTINGS, SOIL PIPE, SOIL PIPE FITTINGS, DRAINAGE PIPE, AND DRAINAGE PIPE FITTINGS. DRAPERY HARDWARE CO., LTD., Los Angeles, Calif.
Filed July 27, 1936. Serial No. 381,478. PUBLISHED DECEMBER 8, 1936. Class 13.

343,269. PERIODICAL. THE NEW YORK WOMAN, INCORPORATED, New York, N. Y.
Filed July 31, 1936. Serial No. 381,684. PUBLISHED DECEMBER 1, 1936. Class 38.

343,270. ABDOMINAL BELTS, REDUCING BELTS, REDUCING CORSETS, AND ABDOMINAL SUPPORTERS. EDWARD GREENE, New York, N. Y.
Filed August 11, 1936. Serial No. 382,053. PUBLISHED DECEMBER 8, 1936. Class 44.

343,271. BEER CIRCULATING COOLER. BEER-O-LATOR EQUIPMENT CORP., Newark and Irvington, N. J.
Filed August 12, 1936. Serial No. 382,083. PUBLISHED DECEMBER 8, 1936. Class 31.

343,272. COFFEE LIQUEUR. LINDSAY BRUCE FOSTER, Chicago, Ill.
Filed August 13, 1936. Serial No. 382,141. PUBLISHED DECEMBER 8, 1936. Class 49.

343,273. THERMOSTATICALLY CONTROLLED AND ELECTRICALLY ACTUATED CHECK DRAFT AND PRIMARY DRAFT DAMPERS FOR BOILERS AND FURNACES. NEW ENGLAND COKE COMPANY, Boston, Mass.
Filed August 15, 1936. Serial No. 382,230. PUBLISHED DECEMBER 8, 1936. Class 34.

343,274. MECHANICS' WORK STANDS AND BENCHES, INCLUDING STANDS FOR VISES OR THE LIKE. THE ARMSTRONG MFG. CO., Bridgeport, Conn.
Filed August 18, 1936. Serial No. 382,300. PUBLISHED DECEMBER 8, 1936. Class 23.

343,275. MEN'S AND WOMEN'S CLOTHING AND OUTER GARMENTS—NAMELY, SUITS, TROUSERS, VESTS, OVERCOATS, SKIRTS, AND JACKETS. PINTO-MERWIN, INC., New York, N. Y.
Filed August 18, 1936. Serial No. 382,319. PUBLISHED DECEMBER 8, 1936. Class 39.

343,276. FABRICATION OF AGUARDIENTE (ALCOHOL DISTILLED FROM SUGAR CANE) AND WINE. C. F. HERNANDEZ, S. en C., Mexico, D. F., Mexico.
Filed August 19, 1936. Serial No. 382,353. PUBLISHED DECEMBER 1, 1936. Class 49.

343,277. FABRICATION OF AGUARDIENTE (ALCOHOL DISTILLED FROM SUGAR CANE) AND WINE. C. F. HERNANDEZ, S. en C., Mexico, D. F., Mexico.
Filed August 19, 1936. Serial No. 382,354. PUBLISHED DECEMBER 1, 1936. Class 49.

343,278. LADIES' COATS, SUITS, AND BLOUSES. DAVE BELLSEY COMPANY, INC., New York, N. Y.
Filed August 22, 1936. Serial No. 382,461. PUBLISHED DECEMBER 8, 1936. Class 39.

343,279. FROCKS, SUITS FOR BOYS, AND DRESSES FOR INFANTS, CHILDREN, AND WOMEN. JACOBS, GROSSMAN & ROSENBERG, INC., Philadelphia, Pa.
Filed August 24, 1936. Serial No. 382,513. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,280. CANNED FOOD FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. ILLINOIS MEAT COMPANY, doing business as Sterling Packing Co., Chicago, Ill.
Filed August 26, 1936. Serial No. 382,595. PUBLISHED DECEMBER 8, 1936. Class 46.

343,281. CORN SEEDS, SORGHUM SEEDS, CUCUMBER SEEDS, CANTALOUPE SEEDS, WATERMELON SEEDS, SQUASH SEEDS, AND PUMPKIN SEEDS. THE J. C. ROBINSON SEED CO., Waterloo, Nebr.
Filed August 26, 1936. Serial No. 382,604. PUBLISHED DECEMBER 8, 1936. Class 1.

343,282. CALCULATING MACHINES. MARCHANT CALCULATING MACHINE COMPANY, Oakland, Calif.
Filed August 26, 1936. Serial No. 382,614. PUBLISHED DECEMBER 8, 1936. Class 26.

343,283. LUMBER OF ALL KINDS TREATED BY IMPREGNATION WITH WOLMAN SALTS OR OTHER WOOD-PRESERVING AND FIRE-RESISTING PREPARATIONS OR COMPOUNDS OF PLANT, FUNGUS, AND ANIMAL-DESTROYING PREPARATIONS OR COMPOUNDS. AMERICAN LUMBER AND TREATING COMPANY, Chicago, Ill.
Filed August 28, 1936. Serial No. 382,652. PUBLISHED DECEMBER 1, 1936. Class 12.

343,284. LADIES' HOSIERY MADE OF SILK, COTTON, AND WOOLEN FABRICS AND COMBINATIONS OF THESE MATERIALS. EVERLAST SILK HOSIERY MILLS INC., New Hyde Park, N. Y.
Filed August 29, 1936. Serial No. 382,713. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,285. WOMEN'S, MISSES', AND CHILDREN'S APPAREL—NAMELY, COATS, SUITS, AND DRESSES. GRAFF & GRAFF, INC., New York, N. Y.
Filed August 31, 1936. Serial No. 382,751. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,286. PERIODICAL. ARTHUR W. NEHL, Chicago, Ill.
Filed August 31, 1936. Serial No. 382,763. PUBLISHED DECEMBER 1, 1936. Class 38.

343,287. WEEKLY NEWS PUBLICATION. AMERICAN TRUCKING ASSOCIATIONS, INC., Washington, D. C.
Filed September 2, 1936. Serial No. 382,817. PUBLISHED DECEMBER 1, 1936. Class 38.

343,288. BASEBALLS. THE P. GOLDSMITH SONS COMPANY, Cincinnati, Ohio.
Filed September 2, 1936. Serial No. 382,827. PUBLISHED DECEMBER 8, 1936. Class 22.

343,289. HOSIERY. HARRINGTON & WARING, New York, N. Y.
Filed September 2, 1936. Serial No. 382,829. PUBLISHED DECEMBER 1, 1936. Class 39.

343,290. WINES. H. SICHEL & SONS LIMITED, Adelphi, London, England.
Filed September 3, 1936. Serial No. 382,892. PUBLISHED DECEMBER 8, 1936. Class 47.

343,291. GUM-BASE POLISH FOR AUTOMOBILES, FLOORS, WOODWORK, AND THE LIKE. GEORGE T. WOOD, doing business as Grace Manufacturing Company, Cincinnati, Ohio.
Filed September 3, 1936. Serial No. 382,898. PUBLISHED DECEMBER 1, 1936. Class 16.

343,292. WOMEN'S AND MISSES', INFANTS', CHILDREN'S, AND GIRLS' KNITTED DRESSES, SWEATERS, AND SKIRTS. CLASSIC KNITTERS, INC., New York, N. Y.
Filed September 4, 1936. Serial No. 382,904. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,293. WRITING PAPER, ENVELOPES, AND BLANK INVOICES. JACOB GOLDENBERG, Chicago, Ill.
Filed September 4, 1936. Serial No. 382,912. PUBLISHED DECEMBER 8, 1936. Class 37.

343,294. NURSES' UNIFORMS, UNIFORM DRESSES, HOUSE DRESSES, PORCH DRESSES, AND DAYTIME FROCKS. WHITE SWAN UNIFORMS, INC., New York, N. Y.
Filed September 17, 1936. Serial No. 383,421. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,295. HOSIERY. S. H. KRESS AND COMPANY, New York, N. Y.
Filed September 19, 1936. Serial No. 383,436. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,296. OILS USED IN THE MANUFACTURE OF LEATHER. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed September 19, 1936. Serial No. 383,454. PUBLISHED DECEMBER 1, 1936. Class 4.

343,297. PERIODICAL. BOWEN PRESS, INC., doing business as Dixie Contractor, Atlanta, Ga.
Filed September 21, 1936. Serial No. 383,465. PUBLISHED DECEMBER 1, 1936. Class 38.

343,298. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. T. J. PENDERGAST WHOLESALE LIQUOR CO., INC., Kansas City, Mo.
Filed September 21, 1936. Serial No. 383,479. PUBLISHED DECEMBER 8, 1936. Class 49.

343,299. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INC., Baltimore, Md.
Filed September 21, 1936. Serial No. 383,489. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,300. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INCORPORATED, Baltimore, Md.
Filed September 23, 1936. Serial No. 383,547. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,301. OUTER SHIRTS. TROUTMAN SHIRT COMPANY, INC., Troutman, N. C.
Filed September 23, 1936. Serial No. 383,553. PUBLISHED DECEMBER 8, 1936. Class 39.

343,302. MEN'S HOSE. COOPERS, INCORPORATED, Kenosha, Wis.
Filed September 24, 1936. Serial No. 383,571. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,303. HOT WATER HEATERS FOR AUTOMOBILES. THE DEFIANCE PRESSED STEEL COMPANY, Defiance, Ohio.
Filed September 24, 1936. Serial No. 383,573. PUBLISHED DECEMBER 8, 1936. Class 19.

343,304. GOLF KNICKERS, SPORT, RIDING, AND GOLF TROUSERS, AND TROUSERS. H. LISSNER COMPANY, INC., New York, N. Y.
Filed September 24, 1936. Serial No. 383,583. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,305. LADIES' DRESSES. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed September 24, 1936. Serial No. 383,599. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,306. MUFFLERS MADE OF WOOL, SILK, RAYON, AND COTTON MATERIALS OR MIXTURES OF THE SAME. TARK TEXTILE CORPORATION, New York, N. Y.
Filed September 24, 1936. Serial No. 383,603. PUBLISHED DECEMBER 1, 1936. Class 39.

343,307. SNOW SUITS, SKI PANTS, PANTS, AND JACKETS. KENILWORTH MFG. CO., INC., New York, N. Y.
Filed September 25, 1936. Serial No. 383,628. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,308. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR. VAN RAALTE COMPANY, New York, N. Y.
Filed September 26, 1936. Serial No. 383,694. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,309. COOKING AND TABLE SAUCE. EDWARD H. JACOB JR., West Chester, Pa.
Filed September 25, 1936. Serial No. 383,702. PUBLISHED DECEMBER 8, 1936. Class 46.

343,310. SELF-ADHERING GAUZE BANDAGES. GENERAL BANDAGES, INC., Chicago, Ill.
Filed September 28, 1936. Serial No. 383,731. PUBLISHED DECEMBER 8, 1936. Class 44.

343,311. MEN'S, BOYS', WOMEN'S, OR CHILDREN'S KNIT UNDERWEAR MADE OF WOOL, SILK, COTTON, RAYON, OR COMBINATIONS THEREOF. GLOBE KNITTING WORKS, Grand Rapids, Mich.
Filed September 28, 1936. Serial No. 383,733. PUBLISHED NOVEMBER 17, 1936. Class 39.

343,312. METALLIC RODS FOR SUPPORTING CLOTHES, BATH SHOWER CURTAINS, PORTIERES, ETC. HELMUTH R. KLAUDT, doing business as adjustable Rod & Shelf Co., Chicago, Ill.
Filed September 28, 1936. Serial No. 383,743. PUBLISHED DECEMBER 8, 1936. Class 13.

343,313. METAL WASH TUBS. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed September 28, 1936. Serial No. 383,756. PUBLISHED DECEMBER 1, 1936. Class 24.

343,314. DRY MEASURES. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed September 28, 1936. Serial No. 383,757. PUBLISHED DECEMBER 8, 1936. Class 26.

343,315 DRY MEASURES. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed September 28, 1936. Serial No. 383,758. PUBLISHED DECEMBER 8, 1936. Class 26.

343,316. LADIES' AND MISSES' COATS AND SUITS. SISSELMAN BROS., INC., New York, N. Y.
Filed September 29, 1936. Serial No. 383,787. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,317. MEN'S DRESS, WORK, AND UNDER SHIRTS. THE CHAS. C. BASSINE CO., INC., New York, N. Y.
Filed September 30, 1936. Serial No. 383,800. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,318. HOSIERY. SOLOMON FEINBERG, New York, N. Y.
Filed September 30, 1936. Serial No. 383,804. PUBLISHED DECEMBER 8, 1936. Class 39.

343,319. LADIES' AND MISSES' COATS AND SUITS. LEVY, BLUM & GOLDSCHMIDT CORP., New York, N. Y.
Filed September 30, 1936. Serial No. 383,811. PUBLISHED DECEMBER 8, 1936. Class 39.

343,320. FLUID DRY CLEANING SOAP FOR USE IN PETROLEUM SYSTEMS EMPLOYING FILTER AND STILL. STERLING PRODUCTS COMPANY, Easton, Pa.
Filed September 30, 1936. Serial No. 383,827. PUBLISHED DECEMBER 1, 1936. Class 4.

343,321. FLUID SOAP FOR USE IN THE WET CLEANING PROCESS AS PRACTICED IN DRY CLEANING PLANTS. STERLING PRODUCTS COMPANY, Easton, Pa.
Filed September 30, 1936. Serial No. 383,828. PUBLISHED DECEMBER 1, 1936. Class 4.

343,322. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed October 2, 1936. Serial No. 383,883. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,323. RUBBER LINED CONTAINERS FOR SANITARY NAPKINS AND THE LIKE. NATIONAL CELLULOSE CORPORATION, New York, N. Y.
Filed October 2, 1936. Serial No. 383,893. PUBLISHED DECEMBER 8, 1936. Class 2.

343,324. DRESSED POULTRY. SOLOMON BROS., New York, N. Y.
Filed October 3, 1936. Serial No. 383,959. PUBLISHED DECEMBER 8, 1936. Class 46.

343,325. ALE. ATLAS BREWING COMPANY, Chicago, Ill.
Filed October 5, 1936. Serial No. 383,973. PUBLISHED DECEMBER 1, 1936. Class 48.

343,326. MEN'S AND YOUNG MEN'S SUITS AND COATS. ANDERSON-KONDAZIAN CO., INC., Watertown, Mass., now by change of name Anderson-Little Company, Inc., a corporation of Massachusetts.
Filed October 6, 1936. Serial No. 384,022. PUBLISHED DECEMBER 1, 1936. Class 39.

343,327. WOMEN'S AND MISSES' DRESSES. MAYFLOWER DRESS COMPANY, INC., New York, N. Y.
Filed October 6, 1936. Serial No. 384,041. PUBLISHED DECEMBER 1, 1936. Class 39.

343,328. YOUTHS' SUITS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed October 6, 1936. Serial No. 384,062. PUBLISHED DECEMBER 1, 1936. Class 39.

343,329. BASEBALL GAME EMPLOYING A GAME BOARD AND MOVABLE PIECES. HARRY G. GROSSMAN, New York, N. Y.
Filed October 7, 1936. Serial No. 384,080. PUBLISHED DECEMBER 8, 1936. Class 22.

343,330. TEXTILE FABRICS CONTAINING WOOL, COTTON, MOHAIR, SYNTHETIC FIBERS, AND/OR BLENDS OF THE SAME IN THE PIECE AND CUT LENGTH. COLLINS AND AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed October 8, 1936. Serial No. 384,119. PUBLISHED DECEMBER 8, 1936. Class 42.

343,331. PIPES. KAUFMANN BROS. & BONDY, INC., West New York, N. J.
Filed October 8, 1936. Serial No. 384,126. PUBLISHED DECEMBER 8, 1936. Class 8.

343,332. BATHING SUITS AND SWEATERS. PARAGON KNITTING MILLS, INC., Philadelphia, Pa.
Filed October 9, 1936. Serial No. 384,163. PUBLISHED DECEMBER 1, 1936. Class 39.

343,333. TYPEWRITER RIBBONS. REMINGTON RAND INC., Buffalo, N. Y.
Filed October 13, 1936. Serial No. 384,209. PUBLISHED DECEMBER 8, 1936. Class 11.

343,334. LAUNDRY WASHING MACHINES. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y.
Filed October 14, 1936. Serial No. 384,319. PUBLISHED DECEMBER 8, 1936. Class 24.

343,335. WATER PAINT IN PASTE FORM. M. EWING FOX CO., INC., New York, N. Y.
Filed October 14, 1936. Serial No. 384,320. PUBLISHED DECEMBER 1, 1936. Class 16.

343,336. NITRATE OF AMMONIA BLASTING AGENT, WHICH, IN CARTRIDGE FORM OR BAGS, IS DETONATED BY THE USE OF A BOOSTER OF HIGH EXPLOSIVES. HERCULES POWDER COMPANY, Wilmington, Del.
Filed October 14, 1936. Serial No. 384,328. PUBLISHED DECEMBER 1, 1936. Class 9.

343,337. COMPOSITE MATERIAL COMPRISING SUSPENSIONS OF CRYSTALLINE PARTICLES IN A LIGHT-TRANSMITTING MEDIUM ADAPTED TO BE USED IN CONNECTION WITH OPTICAL DEVICES SUCH AS MICROSCOPE EYEPIECES, GLARE ELIMINATORS, VARIABLE DENSITY DIAPHRAGMS, GEM TESTERS, AND THE LIKE. SHEET POLARIZER COMPANY, INC., Union City, N. J.
Filed October 14, 1936. Serial No. 384,338. PUBLISHED DECEMBER 8, 1936. Class 26.

343,338. COTTON PIECE GOODS, PARTICULARLY JEAN. WELLINGTON SEARS COMPANY, Boston, Mass.
Filed October 14, 1936. Serial No. 384,347. PUBLISHED DECEMBER 8, 1936. Class 42.

343,339. BOTTLED AND CANNED LIME JUICE. THE ZEST COMPANY, Somerville, Mass.
Filed October 12, 1936. Serial No. 384,358. PUBLISHED DECEMBER 8, 1936. Class 45.

343,340. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed October 15, 1936. Serial No. 384,370. PUBLISHED DECEMBER 8, 1936. Class 42.

343,341. WHISKEY. KRAUS BROS. & CO. INC., New York, N. Y.
Filed October 15, 1936. Serial No. 384,379. PUBLISHED DECEMBER 8, 1936. Class 49.

343,342. GIN AND WHISKEY. CHARLES & CO., New York, N. Y.
Filed October 16, 1936. Serial No. 384,408. PUBLISHED DECEMBER 1, 1936. Class 49.

343,343. ALCOHOLIC ESSENCES, EXTRACTS, BLENDING AGENTS, FLAVORS FOR DISTILLED ALCOHOLIC LIQUORS AND ALCOHOLIC BITTERS. FRIES & FRIES, INC., Cincinnati, Ohio.
Filed October 16, 1936. Serial No. 384,420. PUBLISHED DECEMBER 1, 1936. Class 49.

343,344. GIN. PACIFIC DISTILLERS, INC., Culver City, Calif.
Filed October 16, 1936. Serial No. 384,432. PUBLISHED DECEMBER 1, 1936. Class 49.

343,345. WHISKEY. PACIFIC DISTILLERS, INC., Culver City, Calif.
Filed October 16, 1936. Serial No. 384,433. PUBLISHED DECEMBER 1, 1936. Class 49.

343,346. GIN. PACIFIC DISTILLERS, INC., Culver City, Calif.
Filed October 16, 1936. Serial No. 384,434. PUBLISHED DECEMBER 8, 1936. Class 49.

343,347. (WITHDRAWN.)

343,348. MEGAPHONES. ADAM HAT STORES, INC., New York, N. Y.
Filed October 19, 1936. Serial No. 384,493. PUBLISHED DECEMBER 1, 1936. Class 22.

343,349. WHISKEY. BELLOWS & COMPANY, INC., New York, N. Y.
Filed October 19, 1936. Serial No. 384,496. PUBLISHED DECEMBER 1, 1936. Class 49.

343,350. ALUMINUM PAINT. W. H. KEMP CO., New York, N. Y.
Filed October 23, 1936. Serial No. 384,709. PUBLISHED DECEMBER 8, 1936. Class 16.

343,351. WHISKEY. GEORGE BENZ SONS, INC., St. Paul, Minn.
Filed October 26, 1936. Serial No. 384,782. PUBLISHED DECEMBER 8, 1936. Class 49.

343,352. COPPER. FEDERATED METALS CORPORATION, New York, N. Y.
Filed October 27, 1936. Serial No. 384,847. PUBLISHED DECEMBER 8, 1936. Class 14.

343,353. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. SCHENLEY DISTRIBUTORS, INC., New York, N. Y.
Filed October 27, 1936. Serial No. 384,869. PUBLISHED DECEMBER 8, 1936. Class 49.

343,354. GAME PLAYED AFTER THE MANNER OF "BINGO". MARY A. PARKER, Upper Darby, Pa.
Filed October 29, 1936. Serial No. 384,931. PUBLISHED DECEMBER 8, 1936. Class 22.

343,355. BEER. SOUTHERN BREWING COMPANY, INC., Houston, Tex.
Filed September 8, 1936. Serial No. 383,036. PUBLISHED DECEMBER 8, 1936. Class 48.

343,356. LADIES' DRESSES, CLOAKS, COATS, AND SUITS. STYLE GARMENT COMPANY, INC., Los Angeles, Calif.
Filed September 8, 1936. Serial No. 383,038. PUBLISHED DECEMBER 8, 1936. Class 39.

343,357. HORSE NAILS. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed September 9, 1936. Serial No. 383,052. PUBLISHED DECEMBER 8, 1936. Class 13.

343,358. NON-ELECTRICAL HAIR CURLERS, HAIR PINS, AND COMBS. WILLIAM FINKELSTEIN, doing business as Eastern Trading Co., New York, N. Y.
Filed September 9, 1936. Serial No. 383,056. PUBLISHED DECEMBER 1, 1936. Class 40.

343,359. SWIMMING TRUNKS. VASSAR COMPANY, Chicago, Ill.
Filed September 11, 1936. Serial No. 383,147. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,360. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed September 12, 1936. Serial No. 383,179. PUBLISHED DECEMBER 8, 1936. Class 37.

343,361. BEER. THE F. & M. SCHAEFER BREWING CO., Brooklyn, N. Y.
Filed September 11, 1936. Serial No. 383,196. PUBLISHED DECEMBER 8, 1936. Class 48.

343,362. REFRIGERATED DISPLAY AND SERVICE UNITS. RUSS SODA FOUNTAIN COMPANY, Cleveland, Ohio.
Filed September 14, 1936. Serial No. 383,201. PUBLISHED DECEMBER 1, 1936. Class 31.

343,363. HAND-OPERATED TOOLS CONSISTING OF TOOLS AND PARTS THEREOF—NAMELY, HAY FORKS, GARDEN RAKES, SPADING FORKS, GARBAGE HOOKS, MANURE HOOKS, POTATO HOOKS, LAWN RAKES, GARDEN SPADES, GRAIN SCOOP, COAL SHOVELS, GARDEN HOES. MILLER MANUFACTURING CO., Hicksville, Ohio.
Filed September 14, 1936. Serial No. 383,217. PUBLISHED DECEMBER 8, 1936. Class 23.

343,364. WOMEN'S AND CHILDREN'S GARMENTS MADE WHOLLY OR IN PART OF FUR—NAMELY, COATS. T. J. MURPHY FUR CO., Lewiston, Maine.
Filed September 14, 1936. Serial No. 383,218. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,365. DENTAL AND SURGICAL DRESSINGS—NAMELY, GAUZE, BANDAGES, AND ABSORBENT COTTON. RUDOLPH REBOLD, New York, N. Y.
Filed September 14, 1936. Serial No. 383,227. PUBLISHED DECEMBER 8, 1936. Class 44.

343,366. MILLING MACHINES. TURNMILLING CORPORATION, Jackson, Mich.
Filed September 14, 1936. Serial No. 383,241. PUBLISHED DECEMBER 8, 1936. Class 23.

343,367. COTTON PIECE GOODS. CALEDONIA WOOLEN MILLS, Clifton Heights, Pa.
Filed September 15, 1936. Serial No. 383,254. PUBLISHED DECEMBER 8, 1936. Class 42.

343,368. NON-ALCOHOLIC, MALTLESS BEVERAGES, AND SYRUPS FOR MAKING THE SAME. CITRUS CLUB PRODUCTS, INC., Phoenix, Ariz.
Filed September 15, 1936. Serial No. 383,258. PUBLISHED DECEMBER 8, 1936. Class 45.

343,369. MEN'S SUITS, TOP COATS, RAIN COATS, AND OVERCOATS. A. FINKENBERG'S SONS, INC., New York, N. Y.
Filed September 15, 1936. Serial No. 383,262. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,370. MEN'S SUITS, TOP COATS, RAIN COATS AND OVERCOATS. A. FINKENBERG'S SONS, INC., New York, N. Y.
Filed September 15, 1936. Serial No. 383,263. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,371. MAGAZINE PUBLISHED AT INTERVALS. MASSACHUSETTS DIESEL INSTITUTE, Boston, Mass.
Filed September 16, 1936. Serial No. 383,315. PUBLISHED DECEMBER 1, 1936. Class 38.

343,372. FLEXIBLE SHEETS AND RIGID PANELS OF HEAT INSULATING MATERIAL. NORRISTOWN MAGNESIA & ASBESTOS COMPANY, Norristown, Pa.
Filed September 16, 1936. Serial No. 383,322. PUBLISHED DECEMBER 1, 1936. Class 12.

343,373. LACQUERS, LACQUER ENAMELS, THINNERS, BRONZING LIQUIDS, UNDERCOATINGS, WOOD AND METAL SEALERS, ETC. ROXALIN FLEXIBLE LACQUER COMPANY, INCORPORATED, Elizabeth, N. J.
Filed September 18, 1936. Serial No. 383,407. PUBLISHED DECEMBER 1, 1936. Class 16.

343,374. PREPARED WAX POLISH FOR PAINTED SURFACES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed September 18, 1936. Serial No. 383,414. PUBLISHED DECEMBER 8, 1936. Class 16.

343,375. PIANOS. WINTER & CO., New York, N. Y.
Filed October 2, 1936. Serial No. 383,906. PUBLISHED NOVEMBER 24, 1936. Class 36.

343,376. LADIES' RAYON UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND DRESSES. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y.
Filed October 3, 1936. Serial No. 383,918. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,377. LADIES' RAYON UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND DRESSES. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y.
Filed October 3, 1936. Serial No. 383,919. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,378. BRONZE CASTINGS PRINCIPALLY FOR USE IN METAL PICKLING APPARATUS AND EQUIPMENT. THE EXTRUDED METAL PRODUCTS CO., Bridgeport, Ohio.
Filed October 3, 1936. Serial No. 383,921. PUBLISHED DECEMBER 8, 1936. Class 14.

343,379. LADIES' DRESSES. GLENDALE FROCKS, INC., New York, N. Y.
Filed October 3, 1936. Serial No. 383,926. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,380. HOUSEHOLD, FACTORY, FOUNDRY, PAINTERS', PAPER-HANGERS', BUTCHERS', DAIRY, HORSE, AUTOMOBILE, BAKERS', FLUE, SCRUBBING, WINDOW, WIRE SCRATCH, WHEEL, PLATERS', BREWERS', AND DRY-CLEANERS' BRUSHES, AND HOUSEHOLD, WAREHOUSE, MILL, FACTORY, STABLE, AND STREET-SWEEPING BROOMS. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio.
Filed October 3, 1936. Serial No. 383,938. PUBLISHED DECEMBER 1, 1936. Class 29.

343,381. NETTING. SALEMAN & KLINGER, INC., New York, N. Y.
Filed October 3, 1936. Serial No. 383,945. PUBLISHED DECEMBER 8, 1936. Class 42.

343,382. MEN'S BATHROBES AND LOUNGING ROBES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 3, 1936. Serial No. 383,952. PUBLISHED DECEMBER 8, 1936. Class 39.

343,383. HOSIERY. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 3, 1936. Serial No. 383,953. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,384. DRESSED POULTRY. SOLOMON BROS., New York, N. Y.
Filed October 3, 1936. Serial No. 383,958. PUBLISHED DECEMBER 8, 1936. Class 46.

343,385. WHISKEY. CHAPIN & GORE, INC., Chicago, Ill.
Filed October 5, 1936. Serial No. 383,982. PUBLISHED DECEMBER 1, 1936. Class 49.

343,386. WOMEN'S AND MISSES' HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 5, 1936. Serial No. 383,995. PUBLISHED NOVEMBER 24, 1936. Class 39.

343,387. BRUSHES OF RUBBER AND OF BRISTLE SUITABLE FOR CLEANING PLUMBING FIXTURES, SUCH AS TUBS, BASINS, AND SINKS. ALBERT C. MCMILLEN, doing business as Lincolnwood Manufacturing Co., Chicago, Ill.
Filed October 8, 1936. Serial No. 384,147. PUBLISHED DECEMBER 8, 1936. Class 29.

343,388. PAPER, CARDBOARD, FABRIC, COMPOSITION, AND METAL TOY CUT OUTS. TORME PRODUCTS CO., Chicago, Ill.
Filed October 9, 1936. Serial No. 384,169. PUBLISHED DECEMBER 1, 1936. Class 22.

343,389. WHISKEY. GUS SINGER, Denver, Colo.
Filed October 10, 1936. Serial No. 384,221. PUBLISHED DECEMBER 1, 1936. Class 49.

343,390. NON-FERROUS ALLOYS—NAMELY, PIG LEAD, BEARING METAL, SOLDER, AND TYPE METAL. JAMES A. WESTHAVER, Malden, Mass.
Filed October 10, 1936. Serial No. 384,224. PUBLISHED DECEMBER 8, 1936. Class 14.

343,391. RUM. WHITE, KEELING (RUM) LIMITED, London, England.
Filed October 10, 1936. Serial No. 384,225. PUBLISHED DECEMBER 8, 1936. Class 49.

343,392. SAWS. THE OHLEN-BISHOP COMPANY, Columbus, Ohio.
Filed October 12, 1936. Serial No. 384,266. PUBLISHED DECEMBER 8, 1936. Class 23.

343,393. PAINT PIGMENTS. KREBS PIGMENT & COLOR CORPORATION, Wilmington, Del.
Filed October 13, 1936. Serial No. 384,292. PUBLISHED DECEMBER 1, 1936. Class 16.

343,394. GOLF CLUBS. THE P. GOLDSMITH SONS COMPANY, Cincinnati, Ohio.
Filed October 19, 1936. Serial No. 384,528. PUBLISHED DECEMBER 1, 1936. Class 22.

343,395. GIN. JOSEPH H. REINFELD, INC., Newark, N. J.
Filed October 19, 1936. Serial No. 384,556. PUBLISHED DECEMBER 1, 1936. Class 49.

343,396. INDOOR GAME UTILIZING CARDS IN THE PLAYING THEREOF. NORMAN C. SMITH, Columbus, Ohio.
Filed October 19, 1936. Serial No. 384,569. PUBLISHED DECEMBER 1, 1936. Class 22.

343,397. REFRIGERATORS. FAIRBANKS, MORSE & CO., Chicago, Ill.
Filed October 20, 1936. Serial No. 384,583. PUBLISHED DECEMBER 8, 1936. Class 31.

343,398. PAPER BAGS, PAPER BOXES, AND PAPER CONTAINERS. WALTHAM BAG & PAPER COMPANY, Waltham, Mass.
Filed October 20, 1936. Serial No. 384,605. PUBLISHED DECEMBER 8, 1936. Class 2.

[ACT OF FEBRUARY 20, 1905]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

343,399. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MONROE HARRISON, Chicago, Ill. Filed Nov. 20, 1931. Serial No. 321,372.

SEE-IT-MADE

For Machines for Preparing, Dispensing, and/or Handling Beverages, Particularly Beverages Such as Are Made with Orange Juice or Other Parts or Ingredients of Oranges.
Claims use since Aug. 1, 1930.

343,400. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) RAMSHEAD DISTILLING CO., Chicago, Ill., assignor to Colonial Grape Products Co., San Francisco, Calif., a corporation of California. Filed Dec. 14, 1934. Serial No. 359,317.

CORDOVA

For Muscat Brandy and Cognac Brandy.
Claims use since Nov. 3, 1934.

343,401. (CLASS 39. CLOTHING.) JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed Mar. 16, 1935. Serial No. 362,637.

PERSIAN SKIN
CAMEL HAIR

For Men's Topcoats, Overcoats and Suits Made of Fabric Containing Camel's Hair.
Claims use since Feb. 1, 1935.

343,402. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) U. S. AUTOMATIC BOX MACHINERY CO. INC., Newtonville, Mass. Filed June 19, 1935. Serial No. 366,382.

BRIGHTWOOD

For Box Making Machinery and Parts Thereof.
Claims use since Jan. 1, 1901.

343,403. (CLASS 39. CLOTHING.) NEW IDEA YANKEE TOGS, INC., New York, N. Y. Filed Dec. 23, 1935. Serial No. 372,986.

E-Z-E G-I-V

For Boys' and Children's Wash Suits, Blouses, Shirts, Waists, Jerseys, Suits, Jackets, Coats, and Pants.
Claims use since Nov. 25, 1935.

343,404. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHOPAK TEXTILE CO. INC., New York, N. Y. Filed Jan. 13, 1936. Serial No. 373,595.

VERIFIRM

For Plain and Printed Rayon and Acetate Cloth.
Claims use since Jan. 10, 1936.

343,405. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ELKAY MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 13, 1936. Serial No. 373,601.

STURDIBILT

For Custom Built Sheet Metal Products—Namely, Metal Sinks, Lavatory Basins, Shower Bath Compartments, Lavatory Flush Tanks, Arm and Leg Baths, Drinking Fountains, Bath Tubs, and Sanitary Laundry Trays.
Claims use since Dec. 16, 1935.

343,406. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MURPHY DIESEL COMPANY, LTD., Milwaukee, Wis. Filed Jan. 24, 1936. Serial No. 374,071.

MURPHY DIESEL

For Oil Engines.
Claims use since Sept. 18, 1935.

343,407. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL MOTOR COMPANY, New York, N. Y. Filed Feb. 21, 1936. Serial No. 375,086.

Mack Jr

For Motor Trucks and Busses.
Claims use since Jan. 1, 1936.

343,408. (CLASS 39. CLOTHING.) KAYLON, INC., New York, N. Y. Filed Mar. 4, 1936. Serial No. 375,548.

Fabrique
ZEPHYRSHEEN

For Men's, Women's, and Children's Pajamas.
Claims use since Dec. 27, 1935.

343,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONWAY IMPORT CO. INC., Long Island City, N. Y. Filed Mar. 6, 1936. Serial No. 375,629.

CONWAY

For Mayonnaise.
Claims use since Jan. 1, 1932.

343,410. (CLASS 37. PAPER AND STATIONERY.) PENCRAFT, INC., Boston, Mass. Filed Mar. 12, 1936. Serial No. 375,895.

PenCraft

For Fountain Pens and Pencils, Either Individually or in Sets, Leads and Erasers.
Claims use since November, 1935.

343,411. (CLASS 39. CLOTHING.) THE ELDER AND JOHNSTON COMPANY, Dayton, Ohio. Filed June 13, 1936. Serial No. 379,688.

Elder's
Fashion Arch

For Shoes of Leather and Fabric, and a Combination of These Materials.
Claims use since Mar. 4, 1931.

343,412. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE HEROLD MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 24, 1936. Serial No. 381,410.

CABLE
TWIST

For Brushes.
Claims use since Oct. 28, 1935.

343,413. (CLASS 32. FURNITURE AND UPHOLSTERY.) TOMLINSON OF HIGH POINT, High Point, N. C. Filed Aug. 28, 1936. Serial No. 382,738.

WILLIAMSBURG.

For Articles of Furniture—Namely, Buffets, Dining Tables, Serving Tables, China Cabinets, Corner Cabinets, Mirrors, Dining Chairs, Sofas, Short Sofas, Club Chairs, Wing Chairs, Barrel Chairs, Occasional Chairs, Desk Chairs, Benches, Beds, Dressers, Vanities, Dressing Tables, Chests, Chests on Chests, Night Tables, Bed Room Chairs, Bed Room Benches, Highboys, Lowboys, Secretaries, Desks, Coffee Tables, Card Tables, End Tables, Lamp Tables, Pier Tables, Tilt-Top Tables, Drop Leaf Tables, Chairside Tables, Butlers' Tables, Reading Stands, Arm Chairs, Writing Tables, Console Tables, Stools, Long Stools, Cupboards, Bookcases, Couches, Day Beds, Folding Tables, Sideboards, Cradles, Sofa Tables, Stands, Window Seats, Bureaus, Dressing Screens, and Panels Therefor.
Claims use since July 13, 1934.

343,414. (CLASS 37. PAPER AND STATIONERY.) TILESTON & HOLLINGSWORTH COMPANY, Boston, Mass. Filed Sept. 5, 1936. Serial No. 382,966.

Tru-Colour

For Writing, Printing, Cover, and Text Papers.
Claims use since Jan. 2, 1936.

343,415. (CLASS 27. HOROLOGICAL INSTRUMENTS.) LA FRANCE JEWELRY SHOP, INC., New York, N. Y. Filed Sept. 17, 1936. Serial No. 383,362.

LA FRANCE

For Watch Cases.
Claims use since Dec. 1, 1931.

343,416. (CLASS 39. CLOTHING.) NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Oct. 7, 1936. Serial No. 384,096.

Biarritz

For Polo Shirts, Outer Shirts, Knit Jackets, Beach Robes, Beach Halters, Beach Overalls, Play Suits, Beach Capes, and Sweaters for Men, Women, and Children.
Claims use since Apr. 10, 1930.

343,417. (CLASS 39. CLOTHING.) YOUNG'S MERCHANDISING CORPORATION, New York, N. Y. Filed Nov. 13, 1936. Serial No. 385,501.

Young's

"Blended-felt"

For Men's and Boys' Hats and Caps of Straw, Felt, and Silk, and Sport Hats for Women of Felt, Straw, and Combinations Thereof.
Claims use since 1933.

343,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOODLAND, INC., Cleveland, Ohio. Filed Nov. 19, 1936. Serial No. 385,729.

Mrs. Lane's

For Canned Beans with Chili Flavored Tomato Sauce Used Alone or for Making Chili Con Carne, Canned Soups, Canned Vegetables, Canned Spaghetti, and Hominy.
Claims use since Nov. 1, 1935.

343,419. (CLASS 39. CLOTHING.) BROOKS BROTHERS, New York, N. Y. Filed Nov. 23, 1936. Serial No. 385,878.

Cornwall.

For Collars.
Claims use since May 13, 1929.

343,420. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BENJAMIN L. DURYEA, doing business as Duryea Products Company, New York, N. Y. Filed Nov. 24, 1936. Serial No. 385,926.

WOOSTER

For Solid Woven Belting.
Claims use since Dec. 1, 1933.

343,421. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CLAYTON MANUFACTURING COMPANY, Bristol, Conn. Filed Nov. 25, 1936. Serial No. 385,972.

RITE-GRIP

For Scissors and Shears.
Claims use since Nov. 1, 1926.

343,422. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HALSAM PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 4, 1936. Serial No. 386,309.

SAFETY-BLOCKS

For Toy Blocks.
Claims use since Mar. 1, 1919.

TRADE-MARK REGISTRATIONS RENEWED

113,369. ADHESIVE PASTES. Registered October 17, 1916. GENERAL ADHESIVE MFG. CO. INC. Renewed October 17, 1936, to National Adhesives Corporation, New York, N. Y., a corporation of Delaware, successor.

114,243. NEWSPAPER-SECTIONS PUBLISHED PERIODICALLY. Registered December 5, 1916. KIN HUBBARD, Chicago, Ill. Renewed December 5, 1936, to Josephine J. Hubbard, Indianapolis, Ind., successor.

114,434. MEDICINE FOR RHEUMATISM. Registered December 19, 1916. JAMES CLARK, Providence, R. I. Renewed December 19, 1936, to Arthur J. Clark, administrator of the estate of James Clark, deceased, Washington, D. C., legal representative.

114,694. WIRE CLOTH OR FABRIC. Registered January 2, 1917. BUFFALO WIRE WORKS CO., Buffalo, N. Y., a corporation of New York. Renewed January 2, 1937.

114,695. WIRE CLOTH OR FABRIC. Registered January 2, 1917. BUFFALO WIRE WORKS CO., Buffalo, N. Y., a corporation of New York. Renewed January 2, 1937.

114,814. CERTAIN NAMED FOODS. Registered January 2, 1917. NAVE-MCCORD MERCANTILE CO., St. Joseph, Mo. Renewed January 2, 1937, to Western Grocer Company, Marshalltown, Iowa, a corporation of Iowa, assignee.

114,815. CERTAIN NAMED FOODS. Registered January 2, 1917. NAVE-MCCORD MERCANTILE CO., St. Joseph, Mo. Renewed January 2, 1937, to Western Grocer Company, Marshalltown, Iowa, a corporation of Iowa, assignee.

114,920. OAKUM FOR PACKING AND CALKING. Registered January 16, 1917. AMERICAN MANUFACTURING COMPANY, Boston, Mass. and Brooklyn, N. Y. Renewed January 16, 1937, to American Manufacturing Company, Brooklyn, N. Y., a corporation of Massachusetts.

115,037. LIVER-TONIC. Registered January 16, 1917. THE TRAVELER REMEDY CO., Hot Springs, Ark. Renewed January 16, 1937, to Daniel L. Leyerle, doing business as The Traveler Remedy Co., Springfield, Mo., successor.

115,069. CANNED SALMON. Registered January 23, 1917. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed January 23, 1937, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

115,138. SPELTER OR ZINC. Registered January 30, 1917. ANACONDA COPPER MINING COMPANY, Anaconda and Butte, Mont., and New York, N. Y. Renewed January 30, 1937, to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana.

115,161. CANNED SALMON. Registered January 30, 1917. CHINOOK PACKING COMPANY, Chinook, Wash., a corporation of Washington. Renewed January 30, 1937.

115,169. A NEWSPAPER. Registered January 30, 1917. EDWIN T. EARL. Renewed January 30, 1937, to Evening Herald Publishing Company, Los Angeles, Calif., a corporation of California, successor.

115,269. ROPE, CORD, LINES, AND TWINE MANUFACTURED FROM VEGETABLE FIBER. Registered February 6, 1917. AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y. Renewed February 6, 1937, to American Manufacturing Company, Brooklyn, N. Y., a corporation of Massachusetts.

115,500. CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered February 20, 1917. FORD MOTOR COMPANY, Highland Park, Mich. Renewed February 20, 1937, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware, assignee.

115,672. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES. Registered February 27, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed February 27, 1937.

115,673. MEN'S LEATHER SHOES. Registered February 27, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed February 27, 1937.

115,674. MEN'S LEATHER SHOES. Registered February 27, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed February 27, 1937.

115,675. MEN'S LEATHER SHOES. Registered February 27, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed February 27, 1937.

115,720. MACARONI, PRESERVED FIGS, RIPE OLIVES. Registered March 6, 1917. AUSTIN, NICHOLS & CO., INC., Brooklyn and New York, N. Y. Renewed March 6, 1937, to Austin, Nichols & Co., Inc., Brooklyn, N. Y., a corporation of Virginia, assignee.

115,774. CANNED SARDINES. Registered March 6, 1917. LA MANNA, AZEMA & FARNAN. Renewed March 6, 1937, to La Manna, Azema & Farnan, Inc., New York, N. Y., a corporation of New York, successor.

115,778. CERTAIN NAMED CANNED GOODS. Registered March 6, 1917. R. H. MACY & CO. Renewed March 6, 1937, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York, assignee.

115,887. HOSIERY. Registered March 20, 1917. W. T. GRANT COMPANY, New York, N. Y., a corporation of Massachusetts. Renewed March 20, 1937.

115,891. BRASSIÈRES AND CHILDREN'S UNDERWAISTS. Registered March 20, 1917. KABO CORSET CO. Renewed March 20, 1937, to Kabo Corset Company, Chicago, Ill., a corporation of Illinois, successor.

116,020. SKYLIGHTS. Registered March 27, 1917. E. VAN NOORDEN & CO. Renewed March 27, 1937, to E. Van Noorden Company, Boston, Mass., a corporation of Massachusetts, successor.

116,144. APPAREL-CORSETS, CORSETS, CORSET-COVERS, AND CORSET-WAISTS. Registered April 10, 1917. KOPS BROS. Renewed April 10, 1937, to Kops Brothers, Inc., New York, N. Y., a corporation of New York, assignee.

116,146. COTTON PIECE GOODS. Registered April 10, 1917. LONSDALE COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed April 10, 1937.

116,299. NOODLES. Registered April 24, 1917. RUDOLF ELSINGER, assignor to Mothers Macaroni Company, Cincinnati, Ohio. Renewed April 24, 1937, to The Creamette Company, Minneapolis, Minn., a corporation of Minnesota, assignee by mesne assignments.

116,471. WRENCHES, CLAMPS, AND CLAMP-CARRIERS. Registered May 1, 1917. JAMES L. TAYLOR MFG. CO., Poughkeepsie, N. Y., a corporation of New York. Renewed May 1, 1937.

116,622. TABLES AND CHAIRS AS ARTICLES OF FURNITURE, BEDS, WARDROBES, SIDEBOARDS, DESKS, AND COUCHES. Registered May 15, 1917. GOLDMAN BROS. Renewed May 15, 1937, to Goldman Brothers, Inc., St. Louis, Mo., a corporation of Missouri, assignee.

116,623. TABLES AND CHAIRS AS ARTICLES OF FURNITURE, BEDS, WARDROBES, SIDEBOARDS, DESKS, AND COUCHES. Registered May 15, 1917. GOLDMAN BROS. Renewed May 15, 1937, to Goldman Brothers, Inc., St. Louis, Mo., a corporation of Missouri, assignee.

116,637. CERTAIN NAMED SPORTING GOODS. Registered May 15, 1917. HILLERICH & BRADSBY COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed May 15, 1937.

116,825. WALL-PAPER SIZE ADAPTED FOR COVERING WALLS, CEILINGS, AND OTHER SURFACES. Registered May 29, 1917. THE COTT-A-LAPP COMPANY, Somerville, N. J. Renewed May 29, 1937, to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware, assignee.

116,845. HAIR-NETS. Registered May 29, 1917. MOSES HERZOG, New York, N. Y. Renewed May 29, 1937.

116,847. CERTAIN NAMED CLOTHING FOR WOMEN, MISSES, AND CHILDREN. Registered May 29, 1917. KING & APPLEBAUM. Renewed May 29, 1937, to Virginia Dare Stores, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

116,854. READY-MIXED PAINTS. Registered May 29, 1917. THE PARAFFINE PAINT COMPANY. Renewed May 29, 1937, to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware, assignee by mesne assignments.

116,929. GROMETS, METAL WASHERS, RIVETS, NAILS, TACKS, AND ESCUTCHEON-PINS. Registered June 5, 1917. EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed June 5, 1937.

117,038. HAIR-NETS. Registered June 12, 1917. MOSES HERZOG, New York, N. Y. Renewed June 12, 1937.

117,112. CANNED SALMON. Registered June 19, 1917. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed June 19, 1937, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

117,145. ASBESTOS-FIBER SHEET-PACKING. Registered June 19, 1917. HOME RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Renewed June 19, 1937.

117,149. A LARD SUBSTITUTE COMPOSED OF COTTON-SEED OIL AND OLEO-STEARIN. Registered June 19, 1917. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex., a corporation of Delaware. Renewed June 19, 1937.

117,150. SHORTENING. Registered June 19, 1917. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex., a corporation of Delaware. Renewed June 19, 1937.

117,169. BUILDING-CEMENT. Registered June 19, 1917. LOUISVILLE CEMENT COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed June 19, 1937.

LABELS

REGISTERED FEBRUARY 16, 1937

48,962.—*Title:* CHOCOLATES MACFARLANE. For Chocolate Packed Boxes, Half Chocolates and Half Chocolate Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published November 2, 1936.

48,963.—*Title:* KEN-L-RATION. For a Beef Meat Food Product for Dogs. CHAPPEL BROS. INC., Rockford, Ill. Published October 1, 1936.

48,964.—*Title:* SPLIT ROCK. For Lime Rickey. E. J. COUTURE, Duluth, Minn. Published August 1, 1936.

48,965.—*Title:* CARACAS. For Coffee. JOHN J. FARACO, Brazil, Ind. Published November 12, 1936.

48,966.—*Title:* RUBY BEAUTY AID. For a Dry Hair Remover. EDWARD L. RUBINSKY, Forest Hills Crest, N. Y. Published October 20, 1936.

48,967.—*Title:* BETTY'S PURE CANDY. For Candy. P. J. SBISA, SR., New Orleans, La. Published September 17, 1936.

48,968.—*Title:* DR. PRICE'S. For Phosphate Baking Powder. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 31, 1936.

PRINTS

REGISTERED FEBRUARY 16, 1937

16,076.—*Title:* ATHLETES' FOOT. For a Preparation for Treating Athletes' Foot. FRED W. AMES, New Orleans, La. Published November 1, 1936.

16,077.—*Title:* VITALITEA. For Tea. LEWIS L. BREDIN, Detroit, Mich. Published November 20, 1936.

16,078.—*Title:* RHYTHM WHEELING. For Bicycles. INGERSOLL STEEL & DISC DIVISION OF BORG-WARNER CORPORATION, Chicago, Ill. Published September 8, 1936.

16,079.—*Title:* SAVOGRAN PAINT BRUSH CLEANER. For a Preparation for Cleaning Used Paint Brushes. THE SAVOGRAN COMPANY, Boston, Mass. Published September 18, 1936.

REISSUES

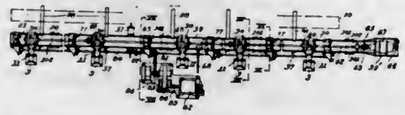
FEBRUARY 16, 1937

20,264
APPARATUS FOR HANDLING BENT METAL

Sheldon Dill Cooper, Youngstown, Ohio, assignor to Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey

Original No. 1,919,186, dated July 25, 1933, Serial No. 432,509, March 1, 1930. Application for reissue July 24, 1935, Serial No. 32,975

31 Claims. (Cl. 29—33)



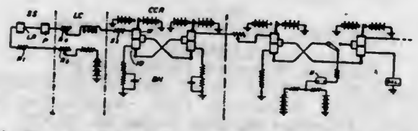
1. Apparatus for handling bent metal having separated edges forming a cleft, comprising retractable means for initially supporting the metal for axial rotation, means cooperating with the metal at the cleft to predeterminedly position the cleft, and means for supporting the metal for axial movement while maintaining the cleft in the predetermined position.

20,265
TELEGRAPH CIRCUIT

Andrew D. Dowd, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original No. 1,959,412, dated May 22, 1934, Serial No. 653,657, January 26, 1933. Application for reissue November 21, 1935, Serial No. 50,922

5 Claims. (Cl. 178—58)



1. In a telegraph circuit comprising a subscriber's loop circuit, a repeater station, a duplex balance circuit and current limiting resistance connected in said loop circuit, the method of increasing the length of the loop over which telegraph signals may be received free from such distortion as would interfere with their correct recording by printing telegraph apparatus, which comprises locating the greater portion of said current limiting resistance at a point near the subscriber's station.

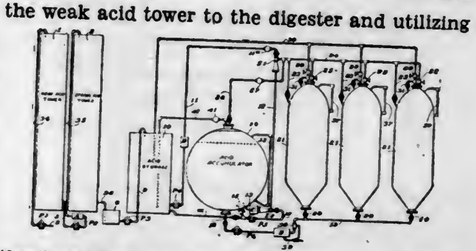
20,266
METHOD AND APPARATUS FOR THE DIGESTION OF FIBROUS MATERIAL

Thomas Leonidas Dunbar and Albert Darius Merrill, Watertown, N. Y.

Original No. 1,918,459, dated July 18, 1933, Serial No. 576,254, November 20, 1931. Application for reissue January 29, 1935, Serial No. 3,984

39 Claims. (Cl. 92—7)

1. In the digestion of fibrous material by the sulphite process, progressively raising the temperature of acid liquor as the pressure thereon progressively increases during its passage from the weak acid tower to the digester and utilizing



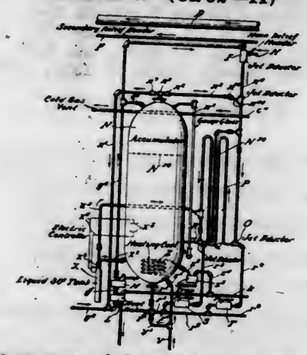
the heated liquor for the digestion of fibrous material.

20,267
DIGESTING PROCESS AND APPARATUS

Thomas Leonidas Dunbar and Albert Darius Merrill, Watertown, N. Y.

Original No. 1,888,632, dated November 22, 1932, Serial No. 528,696, April 8, 1931. Application for reissue November 21, 1934, Serial No. 754,194

49 Claims. (Cl. 92—11)



1. In a process of the character described, preparing a preheated high acid content cooking liquor, introducing this liquor into a digester containing fibrous material, and pumping such liquor into the digester until the pressure in the latter rises to at least 50 pounds.

20,268
REFRIGERATING APPARATUS

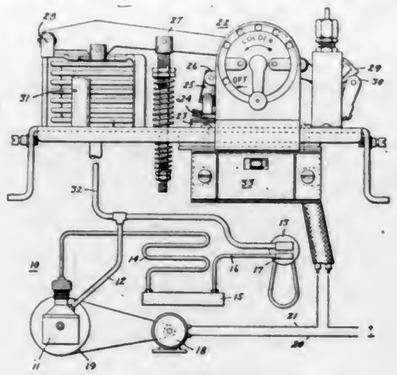
Mortimer W. Fish and Harry F. Clark, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Original No. 1,883,891, dated October 25, 1932, Serial No. 424,333, January 29, 1930. Application for reissue August 30, 1934, Serial No. 742,140

2 Claims. (Cl. 200—124)

1. A circuit breaking device comprising a contact, a movable member, a second contact carried by said movable member, means for locking said movable member in position so that said second contact engages said first contact, means for moving said member in locking position, thermally actuated means for releasing said locking means upon excessive flow of current through said

contacts, one of said contacts comprising spring means for snapping open said contacts upon the



release of said locking means, said moving means also comprising means for manually releasing said locking means substantially as described.

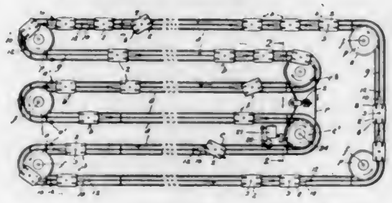
20,269

TRAVELING WORK TABLE

Harry A. Green, Portland, Oreg.

Original No. 1,928,934, dated October 3, 1933, Serial No. 583,901, December 30, 1931. Application for reissue April 6, 1935, Serial No. 15,128

4 Claims. (Cl. 198—181)



1. In a traveling endless conveyor a series of individual work carriers, a revoluble work table mounted on each carrier, said table provided with longitudinally extensible members adapted to have the work secured thereto.

20,270

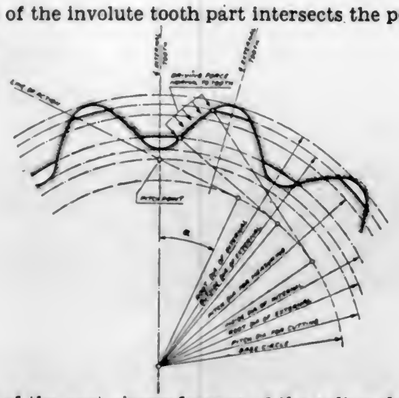
SPLINE SHAFT

Joseph L. Matthews, Highland Park, and Aage C. C. Hansen, Lindeneau, N. J., assignors to International Motor Company, New York, N. Y., a corporation of Delaware

Original No. 2,015,430, dated September 24, 1935, Serial No. 9,002, March 2, 1935. Application for reissue April 18, 1936, Serial No. 75,246

3 Claims. (Cl. 64—1)

1. A shaft having involute spline teeth formed thereon and full circular rounded fillets between the teeth, the angle between the sides of two adjoining splines being relatively large and variable, the surfaces of the fillets at the points at which the fillets merge with the involute surfaces being tangent with the said involute surfaces, and the tooth contour being such that the extension of the component of the driving force normal to the face of the tooth at any point of the active part of the involute tooth part intersects the por-



tion of the root circumference of the spline shaft beneath such tooth.

20,271

FIBROUS SHEET MATERIAL

Stephen B. Neiley, Winchester, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

No Drawing. Original No. 1,978,385, dated October 23, 1934. Serial No. 668,663, April 29, 1933. Application for reissue December 21, 1934, Serial No. 758,650

13 Claims. (Cl. 92—21)

12. A highly absorptive flexible water-laid felt comprising long fibers hydrated sufficiently to produce a self-sustaining web both in wet and dry condition and short substantially individualized unhydrated liberated fibers in amount to form an absorptive springy felt capable of receiving an impregnant.

20,272

ELECTRIC RESISTANCE HEATING ELEMENT

Edwin L. Wiegand, Pittsburgh, Pa.

Original No. 1,997,844, dated April 16, 1935, Serial No. 585,491, January 8, 1932. Application for reissue February 26, 1936, Serial No. 65,928

18 Claims. (Cl. 201—67)



11. The method of producing an electrical resistance heating element, comprising: embedding a resistor in plastoid insulating material in an open channel preformed from a metal strip; applying forces to said channel to form a sheath about said insulating material; and forcing said sheath to compact said insulating material about said resistor within said sheath.

20,273

METHOD OF MAKING SHOES

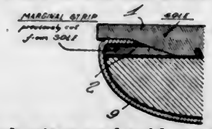
Frank Sbicca, Philadelphia, Pa., assignor to Sbicca-Method Shoes Incorporated, Philadelphia, Pa., a corporation of Delaware

Original No. 1,838,708, dated December 29, 1931, Serial No. 512,965, February 2, 1931. Application for reissue May 17, 1933, Serial No. 671,557

6 Claims. (Cl. 12—142)

1. The method of constructing a cemented shoe consisting in providing a sole of the desired final sole thickness in the finished shoe, removing from

the edges of the upper surface of the ball section and adjacent portions of the shank section of the sole a rand of less thickness than the sole and reducing the thickness of the shank and heel portions of the sole, by removal of material from the upper surface thereof, to the thickness of the marginal portions of the ball section thereof, ap-



plying a shank piece and said rand to a last and securing the terminals of the rand in over-lapping relation to the forward end of the shank, lasting an upper and permanently securing the same to the rand and the edges of the shank, and permanently attaching the sole to the upper, the rand, and the shank without delasting the shoe.

20,274

COMPLEMENTARY INSOLE-OUTSOLE COMBINATION SHOE AND METHOD OF PRODUCING SAME

Frank Sbicca, Philadelphia, Pa., assignor to Sbicca-Method Shoes Incorporated, Philadelphia, Pa., a corporation of Delaware

Original No. 1,902,725, dated March 21, 1933, Serial No. 573,676, November 7, 1931. Application for reissue December 23, 1933, Serial No. 703,854

13 Claims. (Cl. 12—146)

1. The method of producing complementary insole-outsole combinations comprising the following steps, providing a leather sole blank of the desired thickness of the combination and having a grain and a flesh side, splitting the heel and shank portions of the sole blank to form insole and outsole shank pieces, removing a rand from the margin of the ball section of the flesh side of the sole while leaving the same attached to the forward end of the insole shank piece, and splitting the sole between the shank and ball sections by a cut extending inwardly from the flesh side thereof to the depth of the desired insole and between the rand terminals.



10. In a shoe, a composite sole comprising stock from a single piece of sole leather and having the desired shape and thickness in the finished shoe and having a flesh and a grain side consisting respectively of an insole section and an outsole section, there being a transverse cut in the flesh side at the ball line to a depth corresponding to the thickness of said insole section, said cut being inclined downwardly toward the heel portion of the sole and terminating inwardly of the margin of the sole, the sole being severed at the heel as far forward as the said cut to form a shank and heel portion, a rand integrally formed with said shank portion of the insole member, said rand terminating on opposite ends of said cut and being of a thickness substantially equal to said shank portion, said rand defining with said shank an opening, and said outsole member having a reduced marginal edge at its forepart and being complementary to said insole member and having a raised portion which registers with said opening in the assembled shoe.

PLANT PATENTS

GRANTED FEBRUARY 16, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

235

ROSE

Luther Burbank, deceased, late of Santa Rosa, Calif., by Elizabeth Waters Burbank, executrix, Santa Rosa, Calif., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo.

Application July 28, 1936, Serial No. 93,107

1 Claim. (Cl. 47—61)

A new and distinct variety of rose as herein described characterized particularly by the color and gracefulness of form of its flower, and its exceptionally long pointed buds, as herein shown.

PATENTS

GRANTED FEBRUARY 16, 1937

2,070,555
FOLDING SHOVEL
Thomas Cushing Aylwin, Oshawa, Ontario, Canada
Application May 18, 1934, Serial No. 726,368
In Canada April 10, 1934
2 Claims. (Cl. 306—17)



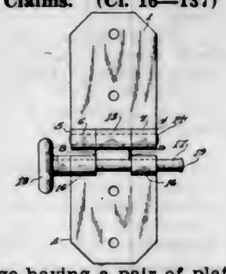
1. In a folding shovel having a shovel blade, a handle mountable on said blade, having one end split to form arms, and a shank formed in two corresponding socketed members, the ends of the handle fitting into the sockets of the members, and means for securing said members on said handle, said members being formed with gripping means to engage a co-operating part on the blade, and means for locking said gripping means in rigid engagement with said part on the blade.

2,070,556
HEDDLE FRAME
George F. Bahan, Charlotte, N. C.
Application January 21, 1935, Serial No. 2,825
4 Claims. (Cl. 139—91)



1. A heddle frame comprising upper and lower rails having recesses in their upper and lower edges and having concave end edges, plates secured in the recesses in the rails and projecting beyond the end of the same and provided with eyes at their ends, spacing sleeves fitted between the projecting ends of said plates and against the ends of the rails, end rods disposed between the plates secured to the upper and lower rails and alined axially with the sleeves, and cap screws inserted through the ends of the plates and the sleeves into the end rods and having threaded engagement with the ends of said rods, the heads of the screws abutting the outer plates whereby the rails and the end rods will be firmly clamped together.

2,070,557
HINGE STRUCTURE
Harry Hettrich Bartel, Philadelphia, Pa., assignor to Huck-Gerhardt Company, Inc., Philadelphia, Pa.
Application March 19, 1936, Serial No. 69,649
2 Claims. (Cl. 16—137)



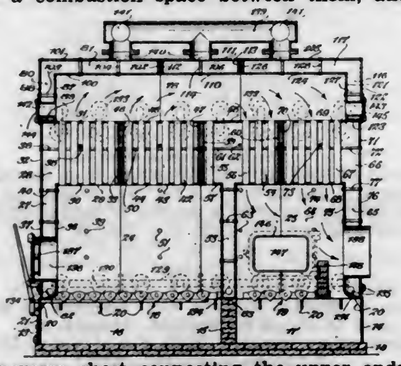
2. In a hinge having a pair of plates provided with associated pintle receiving knuckles: a support on one of said plates comprising a plurality of aligned bearing sleeves extending laterally from and confined within the marginal edges of said plate, said sleeves consisting of similar integral rolled strips in spaced parallel relation, the axes of said sleeves being offset from the plate and from the axis of said pintle receiving knuckles; and a roller carrying shaft supported in said sleeves.

2,070,558
PROCESS FOR REFINING CHOCOLATE MASSES
August Beck, Wernigerode, Germany
No Drawing. Original application July 24, 1934, Serial No. 736,794. Divided and this application April 11, 1935, Serial No. 15,879. In Germany January 19, 1934
2 Claims. (Cl. 99—23)

1. A process for refining chocolate masses for use in sweetmeat manufacture, in which the chocolate is refined mechanically and is spread out as a thin layer and subjected to the action of hot air the temperature of which is in the neighborhood of 100° C. for a sufficient time to extract the water from said masses and is then lowered to the neighborhood of 80° C. to generate the aroma of said masses.

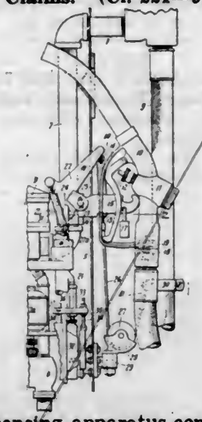
2,070,559
BOILER
John Berent, Lockport, N. Y.
Application September 20, 1935, Serial No. 41,436
16 Claims. (Cl. 122—122)

1. A boiler comprising a lower base, a body section resting on the base, and a cap resting on the body section, said body and cap sections being constructed as separate units which are independent and separable from one another, said base containing a pit, said body section having two vertical water legs on its opposite sides forming a combustion space between them, and a



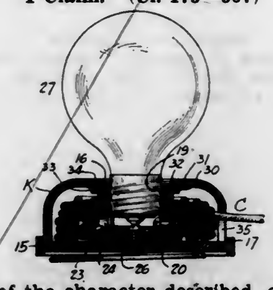
transverse chest connecting the upper ends of said legs, said cap having a water space and containing a dome which opens downwardly, and a plurality of vertical heating tubes arranged in said chest and opening at their lower ends into said combustion space and at their upper ends into said dome.

2,070,560
LIQUID DISPENSING APPARATUS
Eric H. Bradley, Dayton, Ohio, assignor to National Pumps Corporation, Dayton, Ohio, a corporation of Ohio
Application July 23, 1931, Serial No. 552,573
7 Claims. (Cl. 221—95)



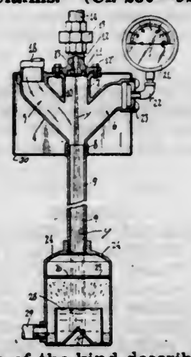
1. In a dispensing apparatus comprising a discharge pipe, a delivery conduit connected with said discharge pipe and having its inner end portion suspended for swinging movemnt transverse to its length, and power operated means for discharging liquid through said pipe and said conduit, mechanism to control the discharge of liquid by said means including an actuating device movable to one position to initiate said discharge and to another position to interrupt said discharge, means for retaining said device normally in the position to interrupt the discharge, and a flexible member connecting said device with said conduit and so arranged that the transverse movement of said conduit in any one of a plurality of directions will cause said device to initiate said discharge, the connection between said flexible member and one of said parts being constructed to yield under abnormal strain and disconnect said flexible member from said part.

2,070,561
LAMP SUPPORTING AND CORD EXTENSION REEL
Jacob J. Cantor, Los Angeles, Calif.
Application October 8, 1934, Serial No. 747,277
1 Claim. (Cl. 173—367)



A reel of the character described, comprising; a disk; a hub fixed at one end to and projecting axially from one side of said disk and to which one end of a conducting cord is adapted to be secured; an electrical socket so secured to said hub as to be accessible from the other end thereof and to which the conducting cord is adapted to be connected; a cupped casing surrounding said hub with its open side confronting said disk, said casing having a central opening so receiving said hub that the casing is rotatable on the hub, and a peripheral opening through which the conducting cord is adapted to extend from the hub exteriorly of the casing; and a collar threaded on the hub and having a lateral flange engaging the outer side of the casing to coact with the disk in confining the casing against displacement from the hub.

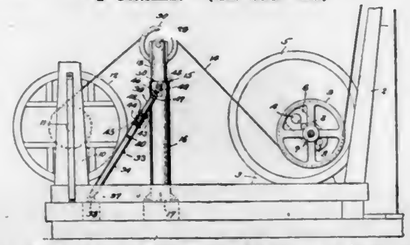
2,070,562
VACUUM PRODUCING DEVICE
William R. Coyne and Joseph C. De Lacy, Minneapolis, Minn.
Application March 6, 1935, Serial No. 9,578
2 Claims. (Cl. 230—92)



1. In a device of the kind described, an ejector conduit involving an air chamber having an air intake and provided with a projecting discharge tube, in combination with a head seated in a wall of said chamber spaced from, but aligned with, the receiving end of said discharge tube, for universal rocking adjustments, and an ejec-

tor jet of very small diameter as compared with said discharge tube, the delivery end of said jet being so close to the neutral point or axis of oscillation of said head, that rocking adjustments of said head and jet do not materially shift the point of discharge from said jet transversely of said discharge tube, and means locking said head, with a fluid-tight joint, in different angular adjustments, so as to set said jet for proper delivery of a water spray into said discharge tube.

2,070,563
SHOCK ABSORBER
Frederick E. Cusack, Okmulgee, Okla.
Application May 9, 1936, Serial No. 78,948
4 Claims. (Cl. 255—16)



1. In a well-drilling mechanism, a bull wheel shaft and a crank member spaced from the bull wheel shaft, a line extending from the bull wheel shaft across the crank member, and a shock absorber mounted between the bull wheel shaft and the crank member and comprising a resiliently supported part across which the line passes.

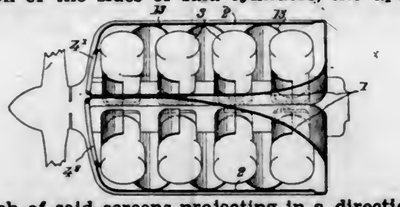
2,070,564
FOUNDING DEVICE
Alfred V. Damberg, Bridgeport, and Claude Cady, Fairfield, Conn., assignors, by mesne assignments, to Daniel M. Jones, Troy, N. Y.
Application January 13, 1932, Serial No. 586,284
Renewed April 20, 1936
3 Claims. (Cl. 22—157)



1. A device for use in founding comprising a three-sided main frame; a match plate or plates having a connection with said main frame to be located and supported thereby; and a cross bar pivotally mounted on said frame for movement into a closed position relative to the frame; a lever pivotally mounted on said cross bar; and a lobe on said lever adapted to enter a notch in the frame when the cross bar is in closed position for locking said cross bar in closed position and for locking the match plate or plates in the frame.

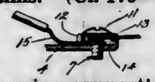
2,070,565
AIR-COOLED ENGINE
Jean Georges Dintilhac, Paris, France, assignor to Society "Yacco" S. A. F., Paris, France
Application February 6, 1935, Serial No. 5,285
In Belgium December 18, 1934
4 Claims. (Cl. 123—171)

1. In an air cooled engine having a group of cylinders disposed in a straight line one behind the other, a device for the distribution of cooling air to the cylinders, which comprises, in combination, a cowling surrounding said cylinders provided with at least one inlet opening at the front part thereof positioned laterally with respect to the longitudinal plane passing through the axes of all these cylinders, and with at least one outlet opening at the rear end of said cowling, and V-shaped screens disposed in front of at least a portion of the sides of said cylinders, the apex



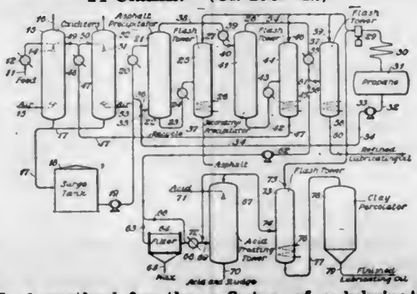
of each of said screens projecting in a direction opposed to the flow of air for preventing the air from striking at least a portion of said cylinders at right angles to the outer wall thereof.

2,070,566
SELF CUTTING WIRE CONNECTION
James K. Dobbs, Atlanta, Ga., assignor of one-half to David E. McCord, Atlanta, Ga.
Application March 7, 1936, Serial No. 67,727
7 Claims. (Cl. 173—259)



5. In a wire securing connection, a wire securing screw having a head, a receptacle-like body having a bottom provided with a central aperture for the passage of the screw, an upstanding wall defining a circular area sufficient to snugly receive the screw head, said wall having a wire receiving recess therein, a wire receiving notch in the wall having a sharpened edge against which a portion of the end of the wire is adapted to be forced by the screw head as the latter enters the receptacle, and means forming a part of the receptacle for preventing turning of the receptacle with the screw as the latter is tightened up.

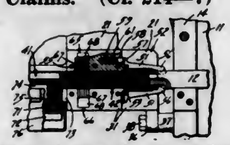
2,070,567
LUBRICATING OIL REFINING
Chester E. Adams, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application May 10, 1935, Serial No. 20,878
14 Claims. (Cl. 196—42)



5. A method for the refining of a lubricating oil stock containing constituents of relatively high viscosity index and constituents of relatively low viscosity index which comprises contacting said stock with a gas containing free oxygen at an elevated temperature in the presence of ferric chloride for a period of time sufficient to convert a substantial quantity of said constituents of relatively low viscosity index into oxidation products without converting said constituents of relatively high viscosity index into oxidation products, the oxidation being sufficiently drastic to raise the viscosity index of the unconverted part

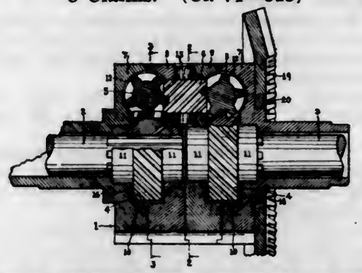
of the stock at least ten Dean and Davis units above the viscosity index of the stock, contacting the material from the aforesaid oxidation step with from about two to about ten times its own volume of a liquefied hydrocarbon selected from the group consisting of ethane, propane, isobutane, normal butane and the corresponding olefinic hydrocarbons at a temperature between the critical temperature of said hydrocarbon and a temperature about 100° F. below the critical temperature of said hydrocarbon whereby said oxidized constituents are precipitated, and removing said oxidized constituents.

2,070,568
STACKING DEVICE
August E. Almgren, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 15, 1933, Serial No. 685,293
6 Claims. (Cl. 214—7)



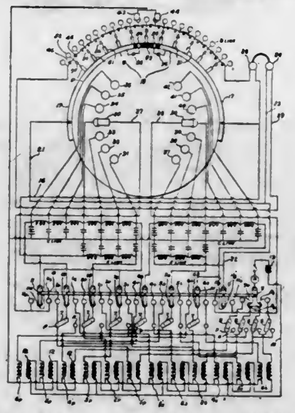
1. In a stacking device for use with machines adapted to eject formed can opening keys or the like, the combination of a magazine for receiving said ejected keys, a finger located in said magazine for yieldably engaging the said key as it is ejected and for holding it in said magazine and preventing reverse movement thereof, and yielding means arranged on opposite sides of said magazine and engaging between successive keys for holding the same in engagement with one another in stacked relation while in said magazine.

2,070,569
AUTOMOTIVE DIFFERENTIAL GEARING
Frank H. Asam, Detroit, Mich., assignor to Francis O. Gaukler, Detroit, Mich.
Application August 28, 1935, Serial No. 38,220
5 Claims. (Cl. 74—313)



1. In a differential gearing, a casing comprising two end sections and two intermediate sections, and means rigidly and detachably connecting said sections, a pair of aligned driven shafts entered in opposite ends of the casing, a pair of spiral gears fixed on said shafts in the casing, two sets of spiral pinions, the respective sets tangentially meshing with the respective gears, said pinions being journaled at both their inner and outer ends jointly in and jointly housed in the end and intermediate casing sections, and a third set of spiral pinions journaled jointly in the two intermediate sections of the casing and individually accommodated in chambers jointly formed by the intermediate sections, and each meshing with a pinion of each of the first-mentioned sets.

2,070,570
ELECTRICAL COMPENSATOR
Laurence Batchelder, Cambridge, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application March 21, 1932, Serial No. 600,191
10 Claims. (Cl. 177—386)



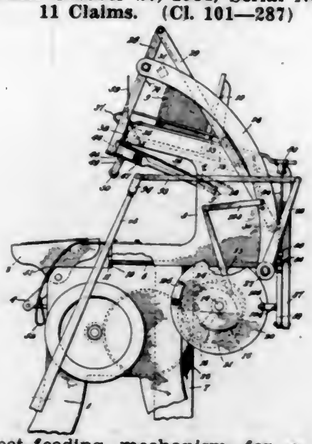
2. An electric compensator including section elements comprising inductive elements conductively connected together in series, capacitive shunt elements conductively connected at one end between the series inductive elements and a further conductive element acting as a return conductor for the other end of the capacitive elements, switching means including the return conductor having a permanent non-conducting interruption therein, said conductor adapted to be moved progressively along the shunt element ends last mentioned to position the said interruption between the desired shunt elements, and another contacting element positioned opposite the said interruption and means for positioning said contacting element to contact between the series connected elements.

2,070,571
SHINGLE
Milton R. Beasley, Norwood, Mass., assignor to Bird & Son, Inc., East Walpole, Mass., a corporation of Massachusetts
Application July 25, 1935, Serial No. 33,019
4 Claims. (Cl. 108—7)



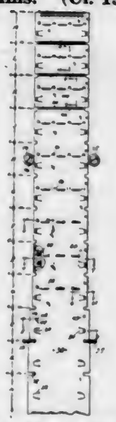
1. In an ornamental shingle of the class described, an asphalt-saturated felt base, a lower layer of asphalt on one surface of said base, a uniform layer of mineral particles attached to said layer of asphalt, a second layer of asphalt superimposed upon said layer of mineral particles and embedding the same between the said lower and second layers of asphalt, an exposed uniform layer of mineral particles upon the surface of said second layer of asphalt, said shingle having a design of shallow lines indented therein and under the indented areas of which the two layers of mineral particles are pressed more closely adjacent than in the non-indented areas of said shingle with the said exposed layer spaced throughout its extent from said base by the underlying layers of asphalt and the embedded layer of mineral particles.

2,070,572
FEEDING ATTACHMENT FOR PRINTING PRESSES
Walter D. Berry, Orangeburg, S. C., assignor of thirty-three and one-third per cent to May Whetstone Berry, Orangeburg, S. C.
Application October 27, 1934, Serial No. 750,367
11 Claims. (Cl. 101—287)



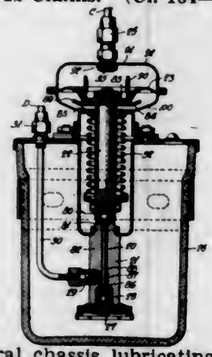
1. Sheet-feeding mechanism for a printing press comprising a frame having an upper inclined deck upon which sheets may be stacked on edge and a lower bed upon which the printed sheets may be delivered, means to withdraw a single sheet from the stack, means to grip the lower edge of the withdrawn sheet and carry the same to printing position, means for gripping the upper edge of the sheet as it moves to printing position, the lower gripping means being released as the sheet is withdrawn from printing position and the upper gripping means being released as the sheet assumes a position above the delivery bed, and an oscillatory frame supporting said second and third mentioned means.

2,070,573
METHOD OF MAKING PRINTING DEVICES
Erhard U. T. Berthelsen, Euclid, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application January 24, 1934, Serial No. 708,133
19 Claims. (Cl. 153—2)



1. The method of making printing devices comprising passing a metal strip of a width approximately equal to the length of a long edge of said device, by intermittent steps through forming dies, and locking said strip at its edges by means positively preventing longitudinal movement of the strip.

2,070,574
LUBRICATION
Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application July 2, 1934, Serial No. 733,443
12 Claims. (Cl. 184—7)



1. A central chassis lubricating system actuated by the vacuum in the intake manifold, comprising a conduit system for distributing lubricant to the various bearings, a pumping device supplying lubricant for said conduit system, a pressure-responsive device for actuating said pumping device, a fluid line connecting said pressure-responsive device with the intake manifold and a flow baffle device in said line.

2,070,575
BINDING AGENT FOR PHOTOGRAPHIC EMULSIONS AND METHOD OF PREPARING SAME
Benno Bochskandl, Hamburg, Germany, assignor, by mesne assignments, to International Patents Development Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1933, Serial No. 678,319. In Germany January 28, 1933
11 Claims. (Cl. 95—7)

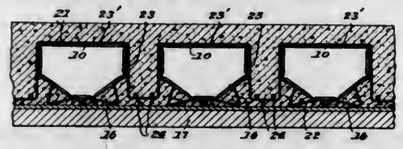
1. A coherent insoluble transparent substance consisting of a chromated compound of gelatin and film-forming, substantially cold water insoluble, disintegrated starch.

3. Pourable emulsion for photographic and like purposes comprising an aqueous mixture of gelatin and a film-forming, substantially cold water insoluble, product of starch, together with a hardening agent.

2,070,576
PROCESS FOR THE MANUFACTURE OF DISINTEGRATION PRODUCTS OF STARCH
Benno Bochskandl, Hamburg, Germany, assignor, by mesne assignments, to International Patents Development Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1933, Serial No. 678,320. In Germany April 15, 1931
2 Claims. (Cl. 127—32)

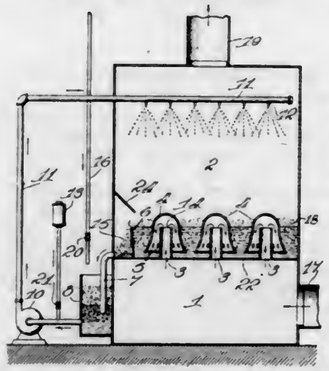
1. Process for the manufacture of films or the like which consists in subjecting an unheated suspension of corn starch in water to the action of a solution of sodium hypochlorite and when the material reaches the stage at which, if boiled in water, it is capable of forming a film substantially insoluble in cold water and having sufficient tenacity to be self sustaining, adding an acid in an amount to neutralize the alkalinity of the material, filtering the material and boiling the same in water.

2,070,577
REENFORCED CONCRETE SLAB AND CORE THEREFOR
Arthur M. Bowman and James I. Bowman, Pittsburgh, Pa.; said Arthur M. Bowman assignor to said James I. Bowman
Application March 15, 1932, Serial No. 598,913
12 Claims. (Cl. 72—66)



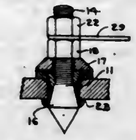
1. A core for reenforced concrete slabs, comprising a body portion having a bottom, side walls, and inclined walls connecting said bottom and side walls, a removable cover for said core, and means surrounding said core for supporting it and securing the cover and body portion together.

2,070,578
APPARATUS AND METHOD FOR REMOVING PARTICLES FROM GASES
Reginald G. Bowman, Gary, Ind., assignor to The Traughber Engineering Co., a corporation of Ohio
Application October 7, 1933, Serial No. 692,659
4 Claims. (Cl. 261—121)



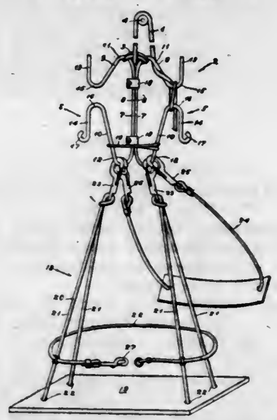
1. In an apparatus for removal of fine particles from gases, a gas line, a compartment connected therewith, a second compartment above the first, vapor risers between the compartments extending a substantial distance between the second compartment, overflow means for maintaining a substantial body of washing liquid about the vapor risers, bell means adapted to force gases substantially below the liquid level and to divide the gases into fine streams, an outlet for overflow liquid, means for spraying the washed gases with an emulsion of washing liquid and a frothing material, and means for collecting and removing washed gases.

2,070,579
PLUMBER'S PLUG
Edward B. Brooke, Birmingham, Ala.
Application February 3, 1936, Serial No. 62,021
9 Claims. (Cl. 220—24)



1. A plug of the character described comprising a bushing composed of a ductile metal having a tenacity on the order of lead and a cylindrical reinforcing member embedded in the bushing made of a ductile metal having a tenacity on the order of copper, a bolt having a flared expanding head fitting in the bushing and a nut for drawing the flared head inwardly of the bushing.

2,070,580
FIRE ESCAPE
Charles M. Cochran, Antioch, Calif.
Application May 14, 1935, Serial No. 21,369
2 Claims. (Cl. 304—16)



1. A brake for a fire escape or the like comprising a rod having a central section and having one end turned to form a reverse arm terminating in a reverse hook, the other end of the rod being bent upon the central section and terminating in a reverse hook disposed in spaced and opposing relation to the first reverse hook so as to allow a rope to be wound on the two reverse hooks, the space between the reverse hooks being clear so as to allow an intermediate portion of the rope to be passed therebetween for spiralling on the reverse arm prior to winding on the hook.

2,070,581
GUANIDINE PHOSPHATE FERTILIZER
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation
No Drawing. Application August 23, 1935, Serial No. 37,534
6 Claims. (Cl. 71—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A fertilizer containing mono-calcium phosphate and a guanidine salt.

2,070,582
MAKING SUPERPHOSPHATE
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation
No Drawing. Application October 9, 1935, Serial No. 44,272
3 Claims. (Cl. 23—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. Process of treating a calcium compound, selected from the group consisting of phosphate rock and calcium carbonate, with concentrated phosphoric acid, which comprises, mixing the fine calcium compound and the concentrated phosphoric acid, containing at least 65% by weight of H_3PO_4, in the proportions to form mono-calcium phosphate, in a paddle type mixer operated at a sufficiently high speed to insure thorough mixing of the charge while in a highly fluid condition and for the duration of the high fluidity of the mixture; conveying away the mixture without further agitation during this first conveying period for a sufficient period of time for the reaction to continue, for the mixture to pass through the plastic stage, and for the mixture to crumble on disturbance; discharging the contents of the conveyor onto a second conveyor in such a manner that the material is broken up and crumbled thereby; and conveying away the crumbly mixture without further agitation during this second conveying period for a sufficient period of time for the reaction to continue further and for the mixture to form lumps which do not agglomerate in storage.

2,070,583
TEXTILES CONTAINING CELLULOSE DERIVATIVES
William Alexander Dickie and Percy Frederick Combe Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 26, 1932, Serial No. 607,667. In Great Britain June 18, 1931
14 Claims. (Cl. 28—1)

1. Process for the production of shrinkage effects on artificial materials containing filaments, threads, yarns and the like of organic derivatives of cellulose having at most only a low degree of twist, which comprises applying to said materials, in the presence of a water-immiscible diluent, a swelling agent which is a latent solvent for the cellulose derivative, and allowing the materials to shrink.

2. Process for the production of shrinkage effects on filaments, threads, yarns and like materials containing organic derivatives of cellulose and having at most only a low degree of twist and on fabrics containing the same, which comprises applying thereto, in the presence of a water-immiscible diluent, a halogenated hydrocarbon swelling agent which is a latent solvent for the cellulose derivative, and allowing the materials to shrink.

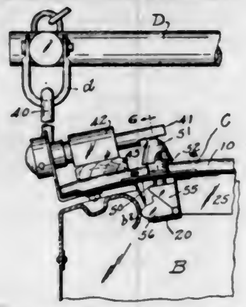
2,070,584
PRODUCTION AND TREATMENT OF ARTIFICIAL FILAMENTS, THREADS, RIBBONS, AND THE LIKE
Henry Dreyfus, London, England
No Drawing. Application May 25, 1933, Serial No. 672,805. In Great Britain June 14, 1932
12 Claims. (Cl. 8—20)

1. Process for the manufacture of artificial filaments, threads, yarns, ribbons, foils and like materials containing organic derivatives of cellulose, which comprises treating the materials with shrinking agents under such conditions that shrinkage occurs to the extent of at least 15% of the original length and subsequently stretching the materials beyond their original length to increase their tenacity.

2,070,585
MANUFACTURE OF CELLULOSE FROM LIGNO-CELLULOSIC PRODUCTS
Henry Dreyfus, London, England
No Drawing. Application February 28, 1934, Serial No. 713,308. In Great Britain March 7, 1933
18 Claims. (Cl. 92—9)

1. Process for the production of cellulose from lignocellulosic materials, which comprises subjecting the materials to extraction with a single organic solvent containing an oxygen atom linked only to carbon, at a temperature above the normal boiling point of the organic solvent.

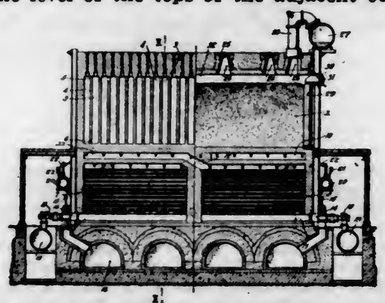
2,070,586
FREIGHT CONTAINER
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application October 24, 1932, Serial No. 639,278
1 Claim. (Cl. 296—137)



In a demountable automobile body, a removable roof, a movable locking member carried by the roof on its under side, a rock-shaft mounted on the roof, connecting mechanism between the rock shaft and the locking member, whereby the position of the rock-shaft controls the activity and non-activity of the locking member, and a lifting hook carried by the rock-shaft and adapted to project upwardly at substantially right angles to the roof to engage a hoist and to be swung down substantially parallel therewith at other times, the latter position rendering the locking member active.

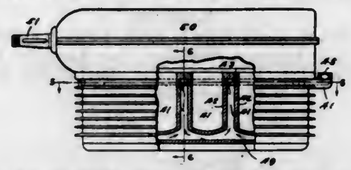
2,070,587
COKING RETORT OVEN FOR LOW OR MEDIUM TEMPERATURE COKING
Wilhelm Fitz, Essen, Germany, assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application February 17, 1934, Serial No. 711,658
In Germany February 18, 1933
1 Claim. (Cl. 202—139)

A coking retort oven for low or medium temperature coking comprising a series of alternate horizontal coking chambers and heating walls therefor arranged side-by-side in a row, each of said coking chambers having a distillate gas off-take leading from the top of the chamber and a leveller door at one end thereof near the top of the chamber and being adapted for being charged with coal up to the level of the bottom of the leveller door opening so as to provide a gas off-flow free space-portion along the top of the coking chamber for off-flow of distillate from a charge in the chamber over the top of the charge lengthwise of the coking chamber to the off-take therefor, each of said heating walls comprising vertical combustion flues having burners at their lower parts and off-takes for waste gases at their upper parts, said vertical combustion flues extending upwardly above the level of the bottom of the leveller door opening and almost as high as the level of the tops of the adjacent coking



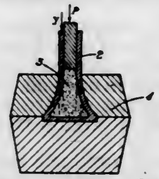
chambers, and substantially all of the portions of the heating walls between the upper parts of the flues and the portions of the tops of the adjacent chambers adapted for being the aforesaid gas off-flow free-space portion being of a thickness of substantially 70 to 100 millimetres as compared with a thickness of substantially 130 to 150 millimetres in the lower portions of the heating walls between the flues and the adjacent coking chambers starting below so as to cause by such relative thinness a higher heating of the gas off-flow free-space portions than the portions of the chambers below the same to crack distillation gas that may flow through such free-space portions during flow thereof to the gas off-takes.

2,070,588
ENGINE
John H. Geisse, Madison, Wis.
Application July 1, 1932, Serial No. 620,508
8 Claims. (Cl. 123—170)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



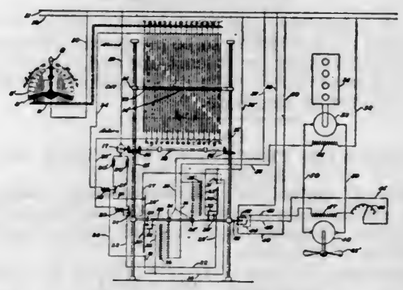
1. In an internal combustion engine, in combination, a crank case, a cylinder block attached to said crank case, a continuous outer wall on said cylinder block forming a portion of the cylinders themselves, cooling fins on said outer wall, cooling chambers between the cylinders bounded by the cylinder walls and said outer wall, cooling chambers surrounding the heads and communicating with said cooling chambers between the cylinders of said block, other chambers provided with communicating passages between said cooling chambers between the cylinders, said other chambers being located at the crank case end of said cylinders.

2,070,589
PROCESS OF FORGING HOLLOW METAL BLANKS
Ezio Giacchino, Brussels, Belgium; Francesca Teresa Robaldo Giacchino, Aldo Giacchino, and Ezio Giacchino, Jr., sole heirs of Ezio Giacchino, Sr., deceased, assignors, by direct and mesne assignments, to Société Anonyme Forgeage Electrique Giacchino, Brussels, Belgium, a Belgian company
Application August 31, 1933, Serial No. 687,693
In Belgium July 4, 1933
3 Claims. (Cl. 29—156.7)



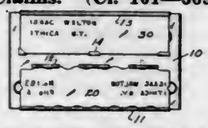
1. In a process of forging hollow metal bodies, inserting a deformable core of powdered graphite in a tubular blank, applying an electric heating current to a portion of said blank to soften the metal forming such portion, applying pressure to said core to expand said softened portion, simultaneously applying axial pressure to said blank, and controlling the shape of the expanding blank by varying the application of heat and the relative pressures on said core and on said blank.

2,070,590
ELECTRICAL CONTROL
Lester M. Goldsmith, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 31, 1934, Serial No. 728,359
25 Claims. (Cl. 172—8)



25. A propulsion system comprising two dynamo electric machines, one a generator and the other a motor supplied with power from said generator, a propeller driven by said motor, means including a small electric motor for controlling the field strength of one of said dynamo electric machines during acceleration, and means for regulating said field strength controlling means so as to control the field strength of said one dynamo electric machine to increase the power developed in the propeller as a curved line function of elapsed time from starting, said last-named means including a field circuit resistance for said small motor adapted to be varied when said small motor operates to vary the field strength of said one dynamo electric machine, thereby to control the speed of said motor in accordance with the magnitude of the field strength of said one dynamo electric machine.

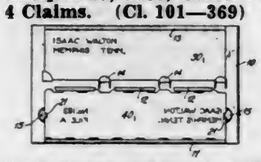
2,070,591
ADDRESS PLATE
Walter T. Gollwitzer, Euclid, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application August 31, 1933, Serial No. 687,616
6 Claims. (Cl. 101—369)



1. A blank for a printing plate adapted to be embossed and mounted on a frame, said blank being relatively long and narrow having a comparatively narrow notch in one end, said notch having straight sides flaring toward the edge of the blank at an angle diverging from a right angle less than 45°.

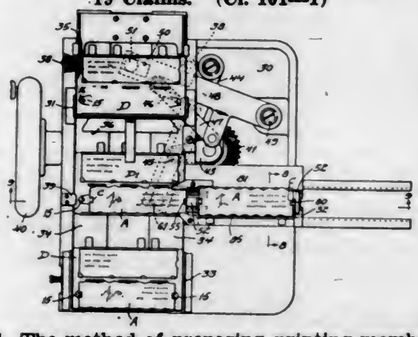
2. The method of forming a printing plate having a parallel sided notch comprising forming in an end edge of a blank a notch flaring toward a side edge and embossing the blank to form printing characters thereon and to force simultaneously said flared edge of the notch into parallel relationship to the side edge of the blank.

2,070,592
PRINTING PLATE
Walter T. Gollwitzer, Cleveland, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 29, 1935, Serial No. 18,796
4 Claims. (Cl. 101—369)



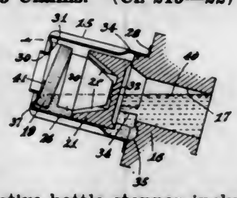
1. A relatively long and narrow blank for a printing plate adapted to be mounted on a frame, said blank having, in at least one end, a comparatively narrow notch with its sides flaring toward the interior of the plate.

2,070,593
METHOD OF PREPARING PRINTING MEMBERS FOR USE
Walter T. Gollwitzer, Cleveland, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application February 29, 1936, Serial No. 66,332
19 Claims. (Cl. 101—1)



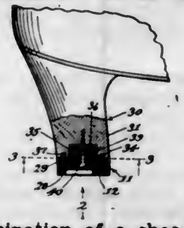
1. The method of preparing printing members for use comprising the steps of forming a thin plate, providing the plate with printing characters and forming a notch in one end of the plate, stacking a plurality of notched plates one above the other, and maintaining such notched plates in stacked relationship by engaging the notch of each plate.

2,070,594
BOTTLE STOPPER
Edgeworth Greene, Upper Montclair, N. J.
Application February 28, 1935, Serial No. 8,605
Renewed April 22, 1936
5 Claims. (Cl. 215—22)



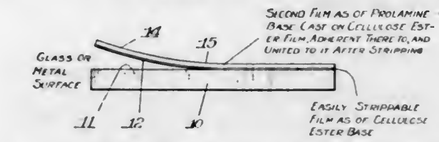
1. A protective bottle stopper including a generally cylindrical valve casing provided at one end with an inlet and at the other end with a flat valve seat spaced from the side walls of the casing by an annular gutter and defining a valve-opening, a buoyant disc-like valve member having one face confronting the valve opening, and of diameter substantially greater than the valve opening and less than that of the casing, said disc being movable towards and away from the valve seat, and a weight member movable within the casing towards and away from the valve seat and having an end face adapted when wet to adhere to the other face of the disc, the movement of the weight member in the direction away from the valve seat being limited to permit maximum flow of liquid through the valve opening into the casing in the normal pouring position of the bottle, and so that when, upon entrance of liquid into the casing through the inlet, the disc assumes a tilted position, with its lower edge portion submerged and in contact with an opposed part of the valve seat and its upper edge portion in contact with the end face of the weight member, there will be a capillary space between the disc and the valve seat, effective to cause local rise of liquid above the general liquid level, whereby the upper part of the disc also is drawn into contact with the valve seat before the general liquid level rises sufficiently to cause flow through the valve opening.

2,070,595
SOLE AND HEEL FOR FOOTWEAR
Michael Raimond Haider, Los Angeles, Calif.
Application April 11, 1935, Serial No. 15,839
3 Claims. (Cl. 36—35)



1. The combination of a shoe heel having a plane lower surface with a cylindrical socket extending upwardly, a resilient wearing element having a cylindrical boss to fit in the socket, a shoulder to bear on the plane surface of the heel, the wearing element having a circular recess, a washer in said recess, and a screw extending through the washer and the center boss into the heel, the wearing element having grooves radiating from the central recess, the washer having radiating arms extending along said grooves, the washer having upwardly turned prongs, the said prongs passing through the shoulder portion of the wearing element and engaging the heel spaced from the cylindrical socket.

2,070,596
MANUFACTURE OF LAMINATED FILMS
Donald W. Hansen, Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del., a corporation of Delaware
Application December 11, 1933, Serial No. 701,865
7 Claims. (Cl. 18—57)



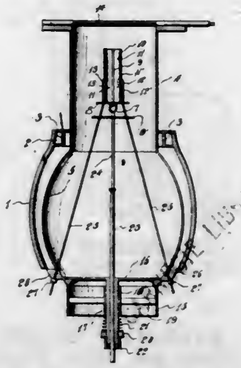
1. The method of forming a prolamine base film with a surface coat thereon which comprises forming a dry solid strippable film of cellulose ester base on a solid casting body with a surface from which the said film may be readily stripped, casting a prolamine base film onto said first-formed film in adhesive union thereto, and stripping the united films as a single body from the solid casting body.

2,070,597
PROCESS FOR PRODUCING ALCOHOLS
Clyde O. Henke, Wilmington, Del., and Roland G. Benner, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 14, 1934, Serial No. 752,938
33 Claims. (Cl. 260—156)

1. A process for producing alcohols which comprises treating an ester of a fatty acid with an alkali metal and a hydrogenated aromatic hydroxy compound having in the ring at least one carbon atom to which is attached one hydroxyl group and one hydrogen atom in the presence of a solvent inert towards the alkali metal.

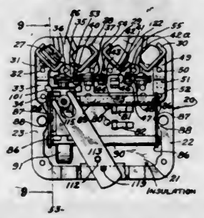
2,070,598
PRESSURE FEED CARBURETOR
Joseph Hewitson, Kalispell, Mont.
Application March 14, 1935, Serial No. 11,116
5 Claims. (Cl. 261—39)

1. A carburetor for internal combustion engines, comprising a thermostatic body having an air inlet valve, and a throttle valve, a gasoline nozzle comprising inner and outer movable members each provided with ports, and the ports for the outer member being arranged in spaced series, a fixed guide pipe for the members normally closing the outer series of ports in the outer nozzle member and having ports normally in register with those of the inner member, means for directing gasoline under pressure into the nozzle means on the closed top of the outer nozzle member for regulating the flow of gasoline into the nozzle, means actuated by the cranking of the engine creating a suction to open the throttle and air valve, means operated by the air valve for moving the outer nozzle member to bring its ports to register with those in the inner member and guide pipe and to direct gasoline through such ports to mix with the air in the body, means actuated by the expansion of



the body for successively uncovering the outer ports in the outer nozzle member, and means actuated by such expansion for moving the inner nozzle member.

2,070,599
HEATER SWITCH
Harvey Hubbell, Jr., and Charles E. Avery, Bridgeport, Conn., assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application December 8, 1933, Serial No. 701,458
16 Claims. (Cl. 200—87)



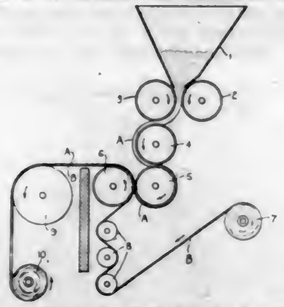
1. In a switch, a body of insulating material, a pair of normally spaced switch elements mounted on said body, a magnet in said body, guides within said body and mounting the magnet for bodily sliding movement between an operative and an inoperative position relative to said switch elements, a hand piece at the outer side of said body, means connecting the hand piece and magnet whereby the hand piece is operable to slide the magnet on said guides, and said magnet when in operative position relative to said switch elements adapted to cause them to engage.

2,070,600
PROCESS OF COATING
Henry Jenett, Englewood, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application July 22, 1933, Serial No. 681,689
14 Claims. (Cl. 91—70)

1. The method of coating surfaces of non-thermoplastic fabric with layers of thermoplastic compositions comprising continuously preheating said non-thermoplastic fabric to remove traces of moisture therefrom and then continuously

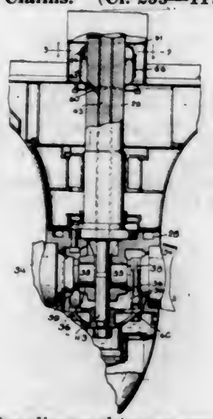
LIBRARY OF ATLANTA

causing a layer of thermoplastic composition comprising a derivative of cellulose to adhere



directly to such preheated fabric by the application of heat and pressure.

2,070,601
HYDRAULIC MACHINE
George A. Jessop and Torleif Norbom, York, Pa., assignors to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application August 22, 1935, Serial No. 37,349
4 Claims. (Cl. 253—117)



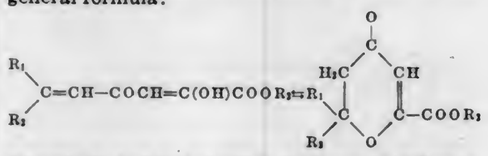
1. In a hydraulic machine, a runner having a hollow hub, a plurality of blades rotatably mounted in said hub, mechanism within the hub for rotating said blades, a hollow shaft connected to the hub, said hub and said shaft containing oil for lubricating the blade operating mechanism within the hub, and means for maintaining the pressure of the lubricant in the hub a predetermined amount, comprising a fluid tight oil chamber surrounding the runner shaft and rotatable therewith, and means connecting the interior of said chamber with said shaft, said chamber containing air under pressure for increasing the static pressure of the lubricating oil in the hub.

2,070,602
SELECTIVE HYDROLYSIS OF MIXED ORGANIC ACID ESTERS OF CELLULOSE
William O. Kenyon and Russel H. Van Dyke, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application April 25, 1934, Serial No. 722,251
5 Claims. (Cl. 260—102)

1. A process for hydrolyzing mixed monocarboxylic acid esters of cellulose containing both acetyl and acyl groups of 3–4 carbon atoms which comprises partially hydrolyzing the ester in a bath essentially consisting of water, catalyst and a single fatty acid of 2–4 carbon atoms, corresponding to one of the acyl groups in the ester, thereby removing acyl groups from the cellulose ester which do not correspond to the fatty acid employed in the hydrolyzing bath.

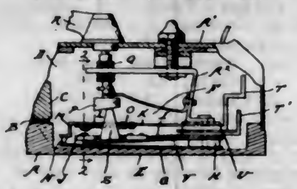
2,070,603
INSECTIFUGE AND INSECTICIDE
Lowell B. Kilgore, Washington, D. C.
No Drawing. Application January 3, 1936, Serial No. 57,457
12 Claims. (Cl. 167—22)

1. Insectifuge or insecticide comprising a mixture of the enol isomer of a δ,ϵ-unsaturated-α,γ-diketo carboxylic ester and an ester of an α,α-disubstituted-α'-carboxydihydro-γ-pyrone of the general formula:



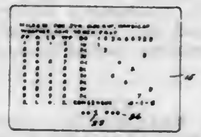
wherein R_1 and R_2 are either the same or different organic radicals or respectively one organic radical and one hydrogen atom, and R_3 is any organic radical or group forming an ester of the carboxyl group.

2,070,604
THERMOSTAT
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application February 15, 1932, Serial No. 593,170
5 Claims. (Cl. 219—25)



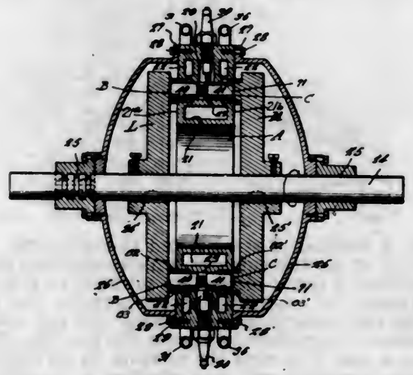
5. An electric laundry iron comprising a heat distributing base of substantial thickness having a recess forming a thin bottom surface of substantially uniform thickness, a heating element contacting with the upper surface of said base, a pressure plate above said heating element having an opening extending completely therethrough registering with the recess in said base, a frame secured to said iron independently of said pressure plate and base plate and independently removable, said frame having a portion depending within the opening in said pressure plate, a bimetallic thermostatic bar having one end thereof rigidly connected to the depending portion of said frame, said thermostatic bar extending laterally from said support in close proximity to the upper surface of said thin bottom portion and adapted to warp in a direction away from said bottom portion upon increase in temperature whereby the temperature of said bar is determined by the temperature of said thin bottom portion substantially independently of the temperature of the remaining portions of the said base and said pressure plate, a non-thermostatic member operatively engaging the free end of said thermostatic bar to be moved thereby and a switch within said recess automatically operable by the movement of said non-thermostatic member for energizing and deenergizing said heating element in accordance with the temperature of said thin bottom portion.

2,070,605
RACING GAME
Joseph B. Leighton, New York, N. Y.
Application January 20, 1934, Serial No. 707,466
2 Claims. (Cl. 273—152)



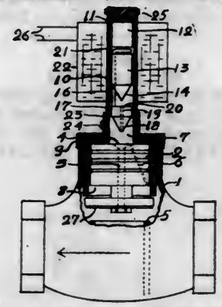
1. A game including a plurality of cards each bearing indicia adapted to indicate the relative positions of each of a plurality of playing pieces at each of the various stages of a race and each card bearing thereon a designation for indicating the order in which it is to be arranged for dealing and the order in which it is to be dealt.

2,070,606
ROTARY COMBUSTION ENGINE
Harry E. Lickfeldt, Port Huron, Mich., assignor of one-half to Patrick J. O'Rourke, Port Huron, Mich.
Application February 19, 1935, Serial No. 7,287
5 Claims. (Cl. 60—44)



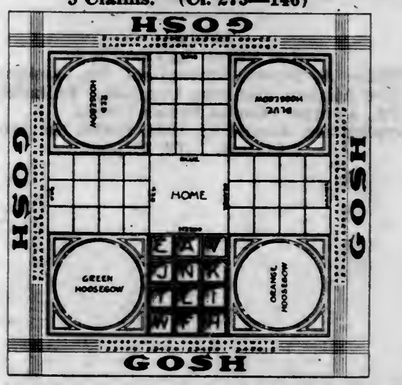
4. A rotary combustion engine comprising a stator member formed with spaced chambers opening at the opposite sides thereof, valved abutments mounted in the extremities of the chambers in opposed relation and providing combustion chambers between confronting ends thereof, a pair of rotor members mounted contiguous with and one to each side of the stator member, a continuous channel between the confronting faces of each rotor member and the stator member confining the ends of the chambers, an inlet and outlet port in the stator member for each chamber, and spaced cams on segments of the rotors slidably seated in the adjacent channel to partition the channel into compartments of variable capacity as the rotors move and at the same time coact with the valved abutments to admit the charge and dispel the combustion impulse.

2,070,607
VALVES AND THEIR OPERATION
Edgar Earle Littlefield, Los Angeles, Calif.
Application September 28, 1931, Serial No. 565,589
16 Claims. (Cl. 137—139)



1. In an electrically controlled valve combination a fluid pressure chamber and a main valve responsive to the pressure condition of said chamber; a seat at times supporting the weight of said main valve; a second valve controlling the main valve, the main valve at times supporting the weight of the second valve, an armature; and a pilot valve the weight of which is at times supported by said main valve, both said pilot and second valves being in said chamber and operative successively by said armature to enable the fluid to open the main valve.

2,070,608
GAME
Robert Mitchell, Detroit, Mich.
Application November 29, 1935, Serial No. 51,999
5 Claims. (Cl. 273—146)



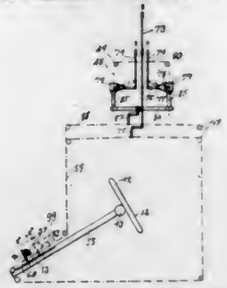
1. As equipment for a game, a set of six dice each having vowels and consonants on the faces thereof, each of said vowels appearing in triplicate and each of said consonants with the exception of the letters X and Z appearing unduplicated, one of the remaining faces having a star thereon and the other of said remaining faces being blank.

2,070,609
BUTADIENES AND CHLORINATED DERIVATIVES THEREOF
Irving Elkin Muskat, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 14, 1934, Serial No. 735,201
7 Claims. (Cl. 260—171)

1. A process for preparing butadiene which comprises reacting n-butyl chloride with chlo-

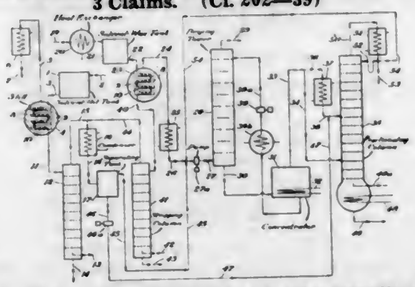
rine, separating from the reaction mixture fractions, each of which contains an isomeric dichlorobutane, then passing separate fractions, at a temperature of about 700 to 730° C. over an alkaline agent which will split off hydrogen chloride from the dichlorobutane to form butadiene.

2,070,610
HELICOPTER
George Francis Myers, New York, N. Y.
Application July 29, 1931, Serial No. 553,795
Renewed November 26, 1934
10 Claims. (Cl. 244—17)



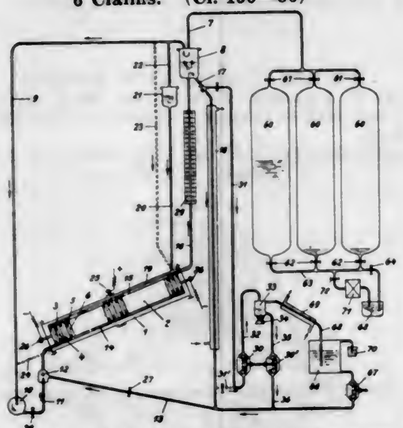
1. The combination in a flying machine, of an engine having compression, a fuel supply for the engine, a propeller having a plurality of blades driven by the engine, means for throwing off the compression in the engine, means comprising a throttle for controlling the fuel supply, means for turning the blades to different angles of incidence, and a unitary means for operating all of the three above mentioned means substantially simultaneously.

2,070,611
SOLVENT RECOVERY
William A. Myers, Springfield, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 22, 1934, Serial No. 740,898
3 Claims. (Cl. 202—39)



1. The method of recovering substantially water-free acetone-benzol from oil and wax fractions produced by dewaxing an oil-wax mixture containing traces of water with a mixture of acetone and benzol, which comprises separately heating, by indirect heat exchange with steam, the oil containing acetone-benzol and the wax containing acetone-benzol and water to vaporize the bulk of these contained materials from the oil and wax respectively, separately condensing the vapors evolved from the oil and wax fractions, passing the condensate from the wax through a body of an aqueous solution of a drying agent, conducting the thus dried acetone-benzol and the condensate from the oil from the recovery system, passing the oil and wax fractions partially freed from acetone-benzol into separate stripping zones in direct contact with steam, condensing the steam and acetone-benzol vapors from the stripping operations, separating the benzol from the condensed water containing acetone, continuously passing a portion of the solution of drying agent containing acetone to a distilling zone, passing vapors of water and acetone therefrom to a fractionating zone, returning a concentrated solution of drying agent from the distilling zone to said body of drying agent, introducing into said fractionating zone the condensed water containing acetone resulting from the stripping operations, fractionating the mixture to produce substantially dry acetone and water substantially free of acetone, condensing vapors of the acetone so produced and returning at least a portion of said acetone as reflux to the fractionating zone.

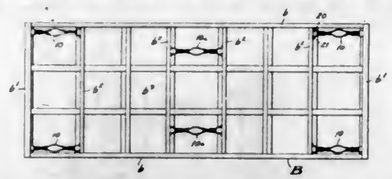
2,070,612
METHOD OF PRODUCING, STORING, AND DISTRIBUTING ELECTRICAL ENERGY BY OPERATING GAS BATTERIES, PARTICULARLY OXY-HYDROGEN GAS BATTERIES AND ELECTROLYZERS
Hans Niederreither, Munich, Germany
Application March 18, 1933, Serial No. 661,630
In Germany March 19, 1932
6 Claims. (Cl. 136—86)



1. A method of storing and re-converting the energy of electric currents, which comprises electrolyzing a liquid electrolyte medium in a compartment to produce a gas, separating the gas from the electrolyte and storing the gas under pressure, thereafter re-mixing the gas and electrolyte and returning the mixture to an electrolyzing compartment, and effecting a re-conversion of the energy to the form of electric current while maintaining the mixture under a constant pressure of not less than ten atmospheres and at a temperature between the boiling point at atmospheric pressure and the boiling point at the operating pressure and while removing the product of combination of said gas from the electrolyte for controlling the concentration thereof.

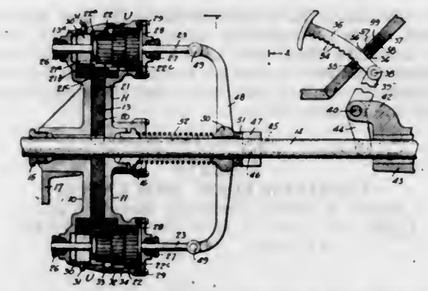
2,070,613
DEVICE FOR RESILIENTLY POSITIONING DEMOUNTABLE BODIES
Ragnar A. Norbom, Clifton, N. J., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application August 22, 1934, Serial No. 740,973
20 Claims. (Cl. 105—366)

1. The combination of a vehicle and a demountable container adapted to be carried thereby of an anchorage device comprising a projecting member and a socket one of which is carried by the vehicle and the other by the demountable container, said socket comprising spring leaves placed on edge and having their inner faces



adapted to engage the projecting member at their center portions and thereby cushion relative horizontal movement, said leaves being connected together and to their carrier only adjacent their ends.

2,070,614
BRAKING MECHANISM
Robert Melville, Challis, Idaho
Application May 22, 1935, Serial No. 22,873
8 Claims. (Cl. 188—92)

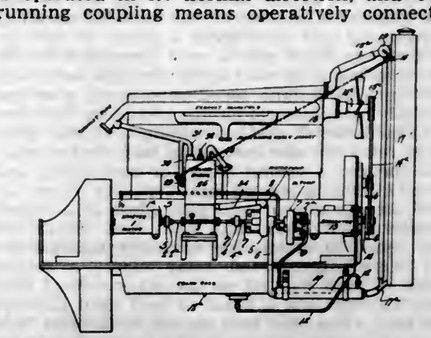


1. Braking mechanism comprising a non-rotatable housing defining a liquid containing chamber; a driven gear rotatably mounted in said chamber; a plurality of shifter shafts arranged at circumferentially spaced points about the axis of the driven gear and extending into the chamber; control gears rotatably mounted on said shafts in the chamber and shiftable therewith to occupy a non-meshing position and various meshing positions with respect to said driven gear for coaction with the latter in varying the displacement of liquid in said chamber to accordingly vary the braking force applied to the driven gear; and means for simultaneously and correspondingly actuating the shifter shafts.

2,070,615
OPERATING APPARATUS FOR INTERNAL COMBUSTION ENGINES
Victor E. Plante, Milwaukee, Wis.
Application April 5, 1934, Serial No. 719,221
26 Claims. (Cl. 290—4)

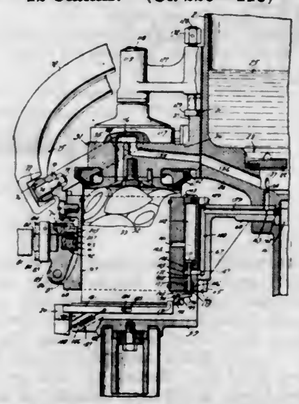
1. The combination with an internal combustion engine having a starter motor, of an auxiliary internal combustion engine, said starter motor, and said auxiliary engine, being operatively connected for operation in one direction and disconnected for operation in the opposite direction, said auxiliary engine being arranged to be operated in one direction only.

26. In combination, an internal combustion engine, a reversible electric starter, an oil pump, overrunning coupling means operatively connecting said starter to said engine when said starter is operated in its normal direction, and overrunning coupling means operatively connecting



said starter to said oil pump when said starter is operated in its reverse direction.

2,070,616
LIQUID FILLING MACHINE
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 19, 1934, Serial No. 707,396
12 Claims. (Cl. 226—116)

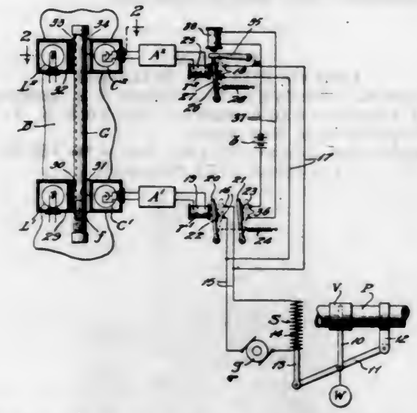


1. In a vacuum filling machine for cans, the combination of a rotary filling head unit for filling liquid into cans while in said unit, cooperating instrumentalities each adapted to partially surround and engage the side walls of a said can to form an annular space between said instrumentalities and the can wall, and means for vacuumizing the interior of said can and the said annular space between said instrumentalities and the can wall to prevent can wall distortion.

2,070,617
BOILER FEED WATER REGULATOR
Anderson Offutt, United States Navy
Application November 5, 1935, Serial No. 48,341
12 Claims. (Cl. 137—101)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A boiler feed water regulator comprising a feed pipe for supplying water to a boiler; a gage glass for indicating the level of the water in said boiler; a valve for controlling the flow of water through said feed pipe; electro-magnetic means for closing said valve; a normally open electric circuit for energizing said electro-magnetic means; a first relay for controlling said circuit;

light sensitive means located on one side of said gage glass at a predetermined level for normally maintaining said relay open; a source of light located on the other side of said gage glass for directing a beam of said light through said gage glass onto said light sensitive means; a second normally open electric circuit including said first mentioned circuit and by-passing said first mentioned relay for also energizing said electro-magnetic means; a second relay for controlling said second circuit; a second light sensitive means located on one side of said gage glass at a higher predetermined level than said first mentioned light sensitive means for normally maintaining said second mentioned relay open; a second source of light located on the other side of gage glass for directing a beam of said light through said gage glass onto said second mentioned light sensitive means; opaque means responsive to the



level of the water in said gage glass for successively interrupting said light beams to successively close said relays and the circuits controlled thereby and thus to energize said electro-magnetic means and close said valve as the level of the water in said boiler ascends to said first predetermined level and thence to said second predetermined level; latch mechanism for maintaining said second mentioned relay and the circuit controlled thereby closed until said opaque means and the water in said boiler descends to said first predetermined level; a second electro-magnetic means for controlling said latch mechanism, and an auxiliary electric circuit controlled by said first mentioned relay for energizing said second electro-magnetic means to release said latch mechanism when said opaque means and the water in the boiler recedes to said first predetermined level.

2,070,618

ACTUATING MECHANISM FOR GEARING

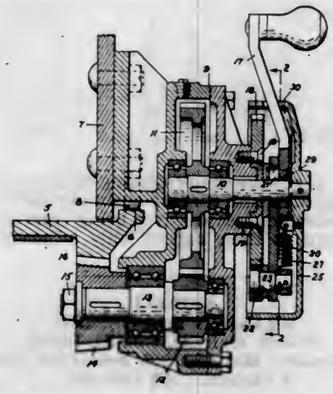
Stephen C. Olszewski, Davenport, Iowa

Application December 9, 1935, Serial No. 53,618

2 Claims. (Cl. 192—8)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an actuating mechanism, a gear case, a drive shaft mounted in the case and projecting therefrom, a locking plate coaxial with the drive shaft and fixed on the outside of the case, a drum fast on the projecting end of the shaft and having an opening in its rim, a handle freely mounted on the shaft and extending through the opening in the drum, a latch comprising pivotally connected arms one of which is guided on the drive shaft and the other of which has pivoted engagement with the drum, said other latch arm movable into and out of engagement with the locking plate, a spring normally holding the latch in engagement with the locking plate, seats on opposite sides of the latch arm on the drive shaft and pins on the handle each engageable with a seat of the latch arm for the purpose of moving the latch out of engagement with the locking plate.



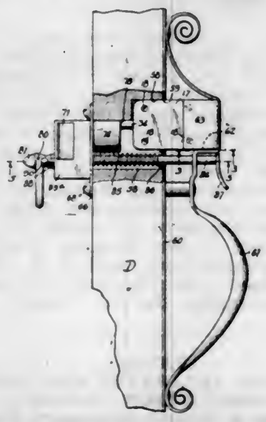
2,070,619

COMBINED LOCK AND LATCH

James E. Price, Redondo Beach, Calif.

Application June 7, 1934, Serial No. 729,484

9 Claims. (Cl. 70—29)



1. Mechanism of the class described comprising a plurality of wards having circumferentially spaced teeth; means for mounting the wards in two groups for rotary movement about axes arranged side by side with the wards of one group spaced from those of the other group sufficiently to provide for the passage of the teeth of the respective wards and for the insertion of a key therebetween to co-act with the teeth in rotating the wards; means for operatively connecting the groups of wards to synchronize rotation of the groups in opposite directions; and means for urging the two groups of wards to rotate to a pre-determined starting position.

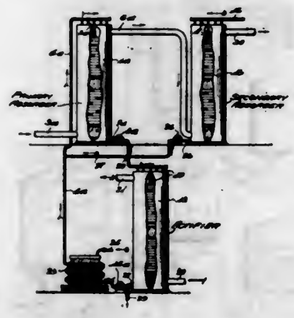
2,070,620

GAS PURIFICATION PROCESS

John D. Price, Montreal, Quebec, Canada, assignor, by mesne assignments, to Koppers Company, a corporation of Delaware

Application December 9, 1933, Serial No. 701,643

1 Claim. (Cl. 23—3)



The method of purifying fuel gas of ammonia and hydrogen sulphide which comprises: washing the gas with a regenerated ammoniacal solution of free or hydrated condition to remove both the hydrogen sulphide and ammonia therefrom, subjecting said initially purified gas to a second washing treatment with water to remove additional impurities therefrom, collecting said washed and purified gas, subjecting the spent ammoniacal solution to contact with hot fuel gas to carry off both the described impurities from said solution and simultaneously cooling said fuel gas while leaving some free ammonia in the solution, consuming in combustion the latter fuel gas containing both the said impurities from the ammoniacal solution, cooling the regenerated ammoniacal solution and recirculating the same for the primary washing of additional gas, conducting the spent second washing fluid to the circulating system of ammoniacal solution and balancing said system by drawing off predetermined quantites of said commingled washing fluids.

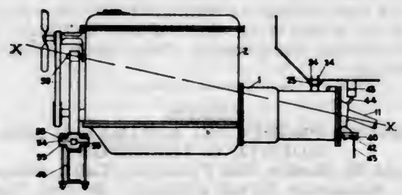
2,070,621

ENGINE MOUNTING

Sherrill S. Rathbun, Rockville Centre, N. Y., assignor to Rolland S. Trott, Denver, Colo.

Application October 3, 1931, Serial No. 566,643

17 Claims. (Cl. 180—64)



9. A mounting for an engine unit comprising a floating pedestal having a pivotal support for the engine unit, and non-metallic resilient means supporting said floating pedestal permitting freedom of movement of the engine unit in all directions.

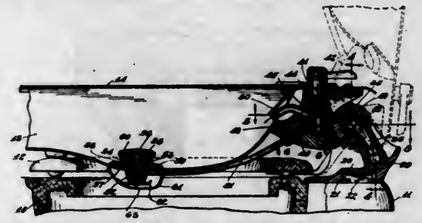
2,070,622

WATER SUPPLY ARRANGEMENT FOR BIDETS

Ippolito Salvoni, New York, N. Y., assignor of forty-four per cent to Riccardo Salmona and twelve per cent to Edward Q. Jackson, both of New York, N. Y.

Application January 8, 1936, Serial No. 58,073

15 Claims. (Cl. 4—7)



1. In a device of the character described, comprising a bidet and a support therefor, a pivotal mounting for said bidet, means for admitting water to said bidet, and valve means operatively associated with said bidet controlling said water admitting means.

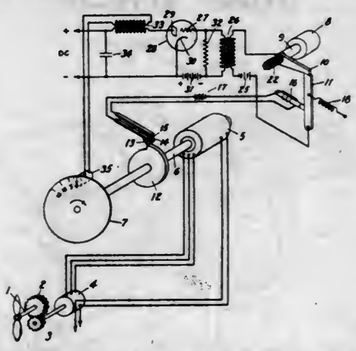
2,070,623

APPARATUS FOR THE MEASUREMENT OF ROTATIONAL VELOCITIES

Howard Avery Satterlee, Needham, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application April 19, 1934, Serial No. 721,334

22 Claims. (Cl. 175—183)



1. In a rotational velocity measuring system, means for indicating the end of a predetermined time interval after the happening of an event comprising means for creating an electric impulse at the happening of the event, an electric retardation line, means for impressing said impulse upon said line, means at the end of the line for creating an amplified impulse and an indicator operable by said impulse.

2,070,624

WINDOW CHANNEL

Carl F. Schlegel, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York

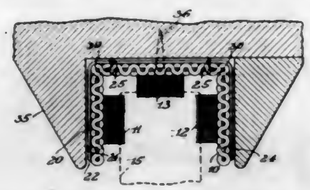
Application June 19, 1933, Serial No. 676,480

In Canada April 15, 1933

4 Claims. (Cl. 296—44.5)

4. Means for engaging and cushioning a window, said means including a strip of woven tex-

tile material lying substantially in a plane parallel to and spaced from the window, means forming a cushioning pad extending along said woven strip in a line of substantial width and projecting a substantial distance from said woven strip to contact with one side of said window, and unwoven substantially non-resilient inert bendable metallic wire stiffening means secured to said woven textile strip, said wire stiffening means



including wire portions extending in a direction generally transversely of said woven strip and forming a series of loops adjacent one edge of said woven strip, adjacent loops of said series being materially spaced from each other in a direction longitudinally of said woven strip so that such adjacent loops may move closer to each other to permit said woven strip to be readily bent in its own plane, such as around the corner of a window.

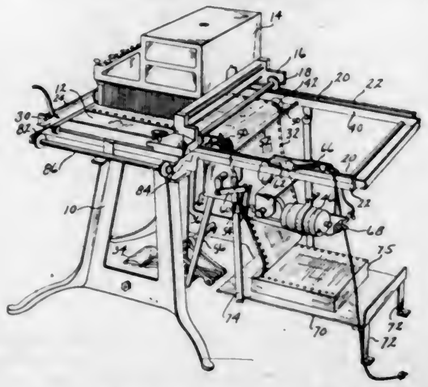
2,070,625

WRITING MACHINE

John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman

Application October 10, 1934, Serial No. 747,725

24 Claims. (Cl. 197—133)



1. The combination with a writing machine of the type wherein a traveling writing mechanism is movable to and fro relative to record material stationarily disposed therebeneath, of strip feeding means for intermittently advancing a strip of record material beneath the writing apparatus to present successive portions thereof in writing position, a one cycle actuating motor therefor, a clamp member for holding the record material in its adjusted position, and multiple control means for the motor including a control means operatively connected with the record material clamp member, and a second control means operated by the movement of the writing mechanism to a predetermined position, the operation of both control means being necessary to the operation of the motor.

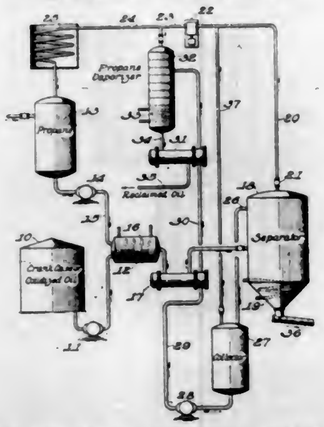
2,070,626

METHOD OF TREATING AND RECLAIMING LUBRICATING OILS

Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 29, 1932, Serial No. 649,385

10 Claims. (Cl. 196—16)



1. The method of reclaiming used crankcase lubricating oils which comprises intimately mixing said oils with liquefied propane, separating the propane-soluble from the propane-insoluble substances, and removing propane from the propane-soluble substances.

2,070,627

OXIDATION REFINING OF LUBRICATING OIL

Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application August 29, 1934, Serial No. 742,023

10 Claims. (Cl. 196—42)

1. A process for the refining of a lubricating oil stock containing both low viscosity index components and high viscosity index components comprising, contacting said stock with a gas containing free oxygen at a temperature of at least about 200° F., but below the temperature at which incipient local cracking is likely to occur, for a time corresponding to at least about 50 hours' air blowing at 340° F., to convert into oxidation products a quantity of said low viscosity index components sufficient to effectuate an increase of at least 15 units in the viscosity index of the unconverted components as compared with the viscosity index of the stock, and vacuum distilling said unconverted components from said oxidation products.

2,070,628

SOUND PRODUCING APPARATUS AND MOUNTING THEREFOR

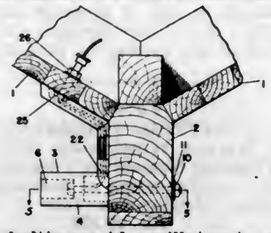
Arnold M. Skudre, San Francisco, Calif., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application February 26, 1935, Serial No. 8,335

3 Claims. (Cl. 177—386)

1. In combination with a wooden keel of a vessel, a high-frequency compressional wave oscillator having an elongated diaphragm and a side edge extending normally from said diaphragm, said oscillator positioned with said edge

abutting the side of the keel, a supporting means formed as a web portion at the ends of said oscillator and providing a chamber at the end of the oscillator having an open side facing the



keel, means bolting said oscillator to said keel through said web portion and means providing electrical connecting elements through said web from said chamber.

2,070,629

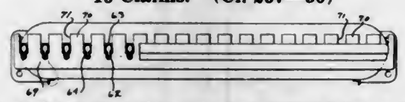
REFRIGERATOR CONDENSER

James R. Stephenson, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application February 13, 1933, Serial No. 656,464

Renewed May 18, 1936

15 Claims. (Cl. 257—36)



1. A heat transfer member comprising a pair of sheets of metal each having a plurality of parallel grooves, the grooves of one sheet being bulged in a direction opposite to the grooves of the other sheets, a groove at each end of each of the sheets extending transversely to the parallel grooves and connecting the end portions thereof, said sheets being pierced between the grooves to provide apertures between the parallel grooves, said sheets having their edge portions bonded together to provide a sealed enclosure.

2,070,630

MANUFACTURE OF ARTIFICIAL FILAMENTS AND OTHER PRODUCTS CONTAINING ORGANIC DERIVATIVES OF CELLULOSE

Percy Frederick Combe Sowter, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 9, 1935, Serial No. 5,867. In Great Britain February 21, 1934

9 Claims. (Cl. 18—54)

1. In a process for the manufacture of artificial filaments, ribbons and other materials having a basis of organic derivatives of cellulose by wet spinning processes, the steps of coagulating the shaped materials in a coagulating medium containing a softening agent for the cellulose derivative, stretching the materials and then allowing the wet materials to shrink under the action of the softening agent.

2,070,631

ROTARY INTERNAL COMBUSTION ENGINE

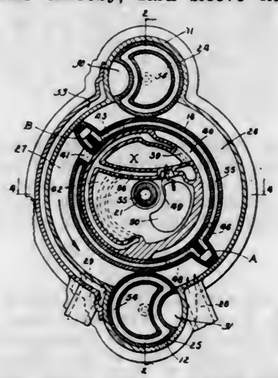
Morton Sunderland, United States Navy

Application January 25, 1936, Serial No. 60,781

12 Claims. (Cl. 123—13)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A rotary internal combustion engine comprising a cylindrical casing having a fuel inlet and an outlet for the products of combustion, a cylindrical stationary arbor disposed within said casing in concentric spaced relation thereto and having a plurality of combustion chambers therein, each of said chambers being provided with a fuel inlet passageway, a sleeve rotatably mounted on said arbor, a plurality of radially projecting longitudinally extending diametrically disposed piston-vanes carried by said sleeve for engagement with the inner cylindrical surface of said casing, and a plurality of diametrically disposed rotatable abutments mounted for engagement with the outer surface of said sleeve and dividing the space between said casing and said sleeve into inlet and outlet chambers, said abutments having recesses therein to permit of the passage of said piston-vanes thereby, said sleeve having inlet



ports therein, one located in advance of one of said vanes for establishing communication between said inlet chamber and the fuel inlet passageway of one of said combustion chambers, and another of said inlet ports being located in advance of another of said vanes for establishing communication between said inlet chamber and the fuel inlet passageway of another of said combustion chambers, said sleeve also having outlet ports therein, one located to the rear of one of said vanes for establishing communication between one of said combustion chambers and said outlet chamber and another of said outlet ports being located to the rear of another of said vanes for establishing communication between another of said combustion chambers and said outlet chamber.

2,070,632

METHOD OF TREATING PULP MILL WASTE COOKING LIQUORS

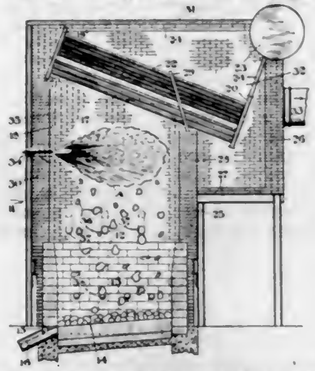
George H. Tomlinson, Montreal, Quebec, Canada

Application March 10, 1932, Serial No. 597,996

11 Claims. (Cl. 23—48)

1. A self-sustaining process of recovering chemicals and heat in a stationary recovery furnace of the vertical shaft type from liquor containing chemicals and combustible organic matter which comprises introducing the liquor into the upper section of the furnace in a spray sufficiently coarse to cause a major portion thereof to pass through high temperature heating gases and while in a resultant sticky condition to collect and coalesce in an adhering mass on an arresting surface in heat absorbing relation with the heating gases, whereby the liquor so treated will be substantially completely dehydrated in the upper section without substantial change in its initial organic content and lumps of dehydrated material will break away from said mass and fall into the lower section of the furnace,

burning the lumps of dehydrated material falling from said mass in the lower section of the furnace whereby the included chemicals are smelted, passing the high temperature heating gases gen-



erated in the lower section upwardly through the upper section for the dehydration of liquor being introduced into the upper section, and withdrawing the incombustible inorganic residue in a molten condition from the lower section.

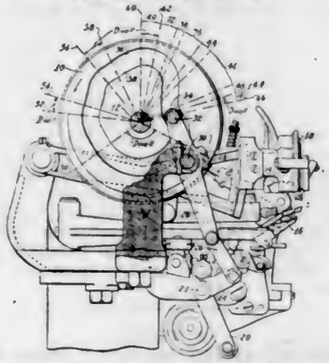
2,070,633

CAM OPERATED MACHINE

Laurence E. Topham, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application March 9, 1934, Serial No. 714,782

2 Claims. (Cl. 74—53)



1. A machine of the type described having, in combination, an operated part, a cam follower and connecting links comprising a mechanical system of inherent mass, elasticity and friction, and a cam in the machine having a continuous closed slot in which there are a number of elementary unidirectional movements imparted to the follower loosely engaging the slot as the cam is rotated, at least one of the movements being effected at its beginning by cam slot portions for increasing the velocity of the follower by pressure of one side of the slot, at its end by slot portions for decreasing the velocity of the follower by pressure of the other side of the slot, and between its beginning and end by two successive slot portions in the first of which the initial pressure on the follower decreases progressively at a relatively rapid rate, limited only sufficiently to prevent complete interruption of pressure, in the second of which the pressure decreases at a relatively low rate for a sufficient length of time to cause the pressure on the follower against the first mentioned side of the cam slot to be entirely relieved and transferred to said other side of the slot and between which two portions there is an abrupt change in rate of pressure decrease to insure transfer of follower pressure only along the slot portion of low decreasing pressure rate.

2,070,634

XANTHIC FORMATES

James H. Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 5, 1935, Serial No. 29,923

14 Claims. (Cl. 260—99.11)

1. An aliphatic ester of a xanthic formic acid, said ester containing at least one aliphatic hydrocarbon radical having at least eight carbon atoms.

2,070,635

ELECTRIC GASOLINE HEATER

Wilbur White, Salamanca, N. Y.

Application September 3, 1935, Serial No. 38,998

1 Claim. (Cl. 219—38)



An electric heater for internal combustion engine fuel pipes comprising mating metallic sections, an asbestos lining for the sections, means for clamping the sections around the pipe to be heated, a heating coil in each section insulated from the section, a conductor wire secured to one end of the coil and secured to one end of the section, the other end of the section having an extension, a pair of spaced switch contacts secured to and insulated from the extension, a conductor wire connected to one of said spaced contacts, a conductor wire secured to the other of said spaced contacts and connected to said heating coil, and a switch pivoted on the first named one of the pair of spaced contacts and adapted to bridge the contacts for controlling the coil energizing circuit, said switch having a depression in the free end adapted to spring over and engage one of the pair of spaced contacts with snap action so as not to be accidentally dislodged by vibration.

2,070,636

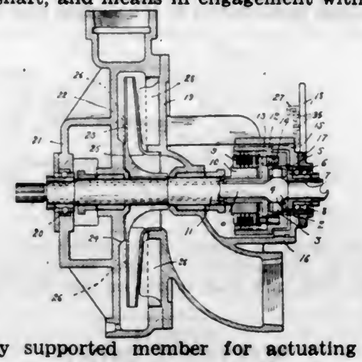
POWER TRANSMISSION DEVICE

De Witt E. Yates, Chippewa Falls, Wis., assignor to W. S. Darley & Co., Chicago, Ill., a corporation of Illinois

Application October 24, 1934, Serial No. 749,717

11 Claims. (Cl. 192—69)

1. In a power transmission unit, a drive shaft and a driven shaft, clutch means comprising a member connected to said driven shaft and a slidably supported member, means comprising rigid directly contacting elements for universally coupling said slidably supported member to said drive shaft, and means in engagement with said



slidably supported member for actuating said clutch.

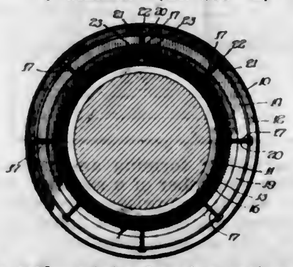
2,070,637

OIL SEAL

Jens Agger, Chicago, Ill., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 20, 1935, Serial No. 50,687

6 Claims. (Cl. 288—1)



1. In a self-contained seal, a casing, a packing mounted in the casing and provided with an axially extending flange for sealing engagement with a rotatable member, an endless coil spring for constricting the flange, supporting means for the spring so constructed and arranged as to limit the extent to which the spring may contract in constricting the flange, and means for limiting the extent to which the spring may move out of its normal centered position in the casing when it contracts.

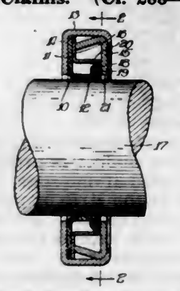
2,070,638

OIL SEAL

Stuart C. McCombs, Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 16, 1935, Serial No. 54,599

4 Claims. (Cl. 288—1)



1. In a self-contained seal, a casing, a packing

in the casing provided with an axially extending flange for sealing engagement with a rotatable member, an endless coil spring for constricting the flange, a substantially non-contractible ring within the hollow interior of the spring for preventing the latter from contracting beyond a predetermined minimum diameter, and means surrounding the spring in closely spaced relation to the same for preventing the spring from dropping down into an eccentric position wherein its upper edge can work out through the adjacent end of the casing.

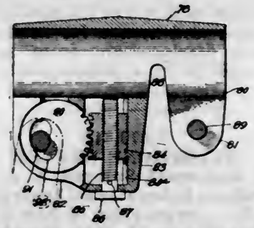
2,070,639

FRONT POLE ADJUSTMENT FOR LATERAL ARM AWNINGS

Frederick A. Anton, Topeka, Kans.

Original application January 31, 1934, Serial No. 709,112, now Patent No. 2,038,259, dated April 21, 1936. Divided and this application February 17, 1936, Serial No. 64,353

12 Claims. (Cl. 156—44)



1. In a lateral arm awning construction, a front pole, an awning arm, a pivotal connection between said members, and means for adjusting the axis of said connection toward and from the longitudinal axis of the front pole.

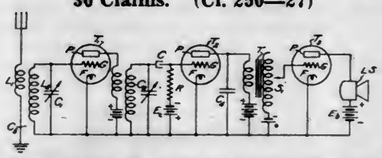
2,070,640

MEANS FOR AND METHOD OF DETECTION

Stuart Ballantine, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application April 10, 1929, Serial No. 354,022

30 Claims. (Cl. 250—27)



1. In the operation of a vacuum tube detector, the method of extending the range of linear response which comprises energizing the elements of said detector by direct current potentials effective to secure plate circuit rectification, and including in the grid circuit only an impedance of a magnitude producing grid rectification of carrier voltage without grid circuit rectification of modulation frequencies, whereby the grid bias is automatically varied in accordance with carrier voltage.

2,070,641

WALL CABINET

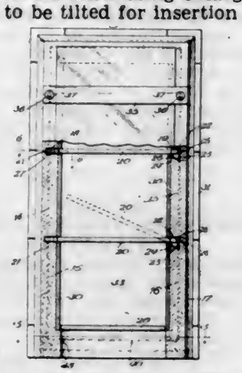
Henry Bartels, Chicago, Ill.

Application September 23, 1935, Serial No. 41,649

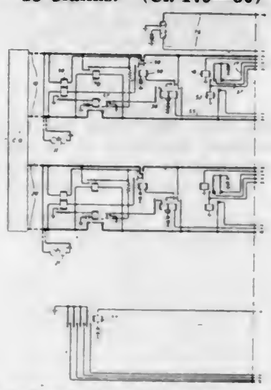
6 Claims. (Cl. 211—90)

1. A wall cabinet of the character described, a shelf removably supported by the side walls of the cabinet, the ends of the shelf extending into recesses in the walls, said shelf being of a length

greater than the space between the inner faces of the cabinet walls, a portion of the recess adjacent one end of the shelf being enlarged to permit the shelf to be tilted for insertion or removal while the last said end of the shelf stands within said recess, and means for maintaining the shelf against displacement from said recesses when the shelf is in a substantially horizontal position.



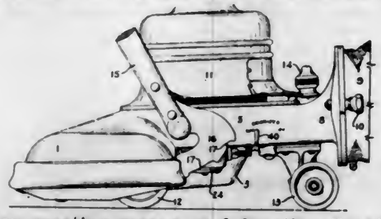
2,070,642
TELEPHONE SYSTEM
William M. Beaumont, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 23, 1934, Serial No. 716,926
13 Claims. (Cl. 179—30)



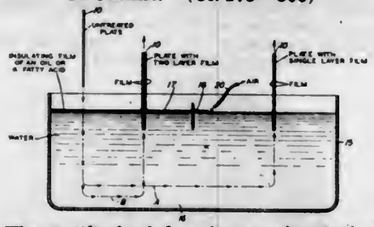
1. In a telephone system, a plurality of stations, a line circuit normally accessible to each of said stations, a relay for each of said stations, means at each of said stations for causing the energization of its respective relay to effect the seizure of said line circuit and a relay operating upon the seizure of said line circuit at one of said stations for rendering said line circuit inaccessible to certain other but not all other of said stations.

2,070,643
SUCTION CLEANER
Bernard C. Becker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 20, 1935, Serial No. 11,935
7 Claims. (Cl. 15—9)

1. In a suction cleaner, suction-creating means adapted to be connected directly and without interposition of intermediate parts to a floor nozzle or to a dusting tool unit, and an odorizer unit including means connecting said unit to atmosphere and immediately to the suction side of said suction-creating means, and functionally at the point of connection of said suction-creating means with said floor nozzle or said dusting tool unit.



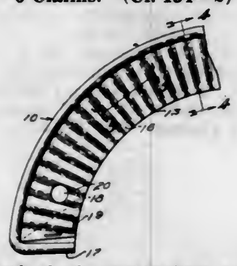
2,070,644
ELECTRICAL DEVICE
Joseph A. Becker, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 2, 1935, Serial No. 29,441
11 Claims. (Cl. 175—366)



1. The method of forming an insulating film on a conducting member of a rectifier, condenser or the like, which comprises developing a film of the insulating material on a liquid and transferring said film to said member.

9. An electrical device comprising a conductive metallic member, a mono-molecular film of an oil on said member, a layer of a semi-conductive material in intimate engagement with said oil layer, and a conductive member engaging with said semi-conductive layer.

2,070,645
FINISH AND FILLER STRIP
Walter Bishop, Detroit, Mich., assignor to Backstay Welt Co., a corporation of Indiana
Application November 5, 1934, Serial No. 751,518
6 Claims. (Cl. 154—2)



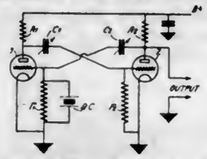
4. The method of constructing and forming a curved welt, which comprises providing a strip of material with a bead at one edge, and then forming corrugations in the strip by pressure on opposite faces of the web between the bead and opposite edge and which extend transversely to the bead, so as to automatically cause the welt and the bead portion thereof to bend in the plane of the welt.

2,070,646
ROLLER SKATE
William Blochinger, West St. Paul, Minn.
Application September 21, 1934, Serial No. 744,932
3 Claims. (Cl. 208—173)



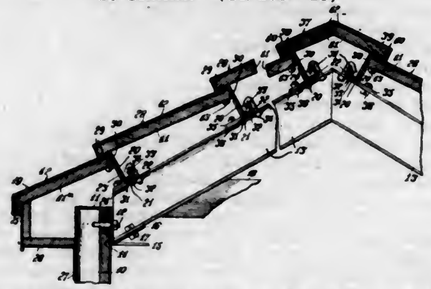
1. A roller skate comprising a sole plate and a heel plate in alinement and corresponding in shape to the sole and heel parts of a shoe, means for securing said plates to a shoe, a downwardly opening elongated housing extending integrally from each said plate, a transverse shaft in each said housing, and roller wheels mounted rotatably on said shaft means and exposed therebelow, said roller wheel means of the sole plate being located forward of that part of the shoe to which it is attached in which the ball of the wearer's foot is located and said rear roller wheel means being located rearward of the center of said heel plate.

2,070,647
CRYSTAL OSCILLATOR CIRCUITS
Arthur M. Braaten, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 19, 1932, Serial No. 599,952
8 Claims. (Cl. 250—36)



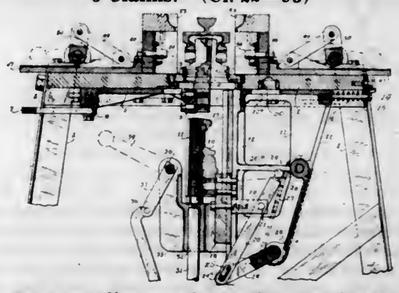
1. In apparatus of the character described, an oscillatory system comprising a plurality of electron discharge devices, each having an anode a cathode and a control grid, a resistor connected between the control grid and cathode of each of said devices, a resistor connected between the anode and cathode of each of said devices, condensers interconnecting the anode of one device to the grid of another device, and, a resonant system of substantially constant frequency connected directly across two of the electrodes of one of said devices.

2,070,648
ROOF CONSTRUCTION
Raymond M. Calkins, Deerfield, and James W. Swank, Chicago, Ill.
Application November 16, 1935, Serial No. 50,076
10 Claims. (Cl. 108—13)



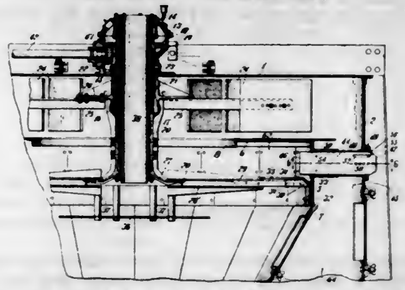
1. A roof construction comprising in combination a plurality of spaced rafters, a series of panels of sheet metal secured in crossed relationship to said rafters by inwardly turned straight flange portions formed integrally with the panels at their top and bottom edge portions, and bars secured in crossed relationship to said rafters below the securing flange portions of said panels in position to brace said flanges for holding the panels firmly in operative position.

2,070,649
APPARATUS FOR MOLDING PISTONS
John R. Cox, Lakewood, and Alfred A. Abramoska, Parma, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio
Application February 18, 1933, Serial No. 657,404
6 Claims. (Cl. 22—93)



1. In a molding machine, the combination of a support, an outer mold body and a sectional core mounted upon said support, said core comprising central and side members, one of said side core sections being mounted for straight-line lateral movement into and out of active position, and the other core sections being mounted for lateral movement together as a unit and being also mounted for individual, independent vertical movement so as to accommodate the lateral movement of the said one core section, and means for operating said core sections.

2,070,650
SEPARATOR
Joe Crites, Evanston, Ill., assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1935, Serial No. 31,856
19 Claims. (Cl. 209—139)



1. In a separator, a casing, means comprising rotary members for creating an upward flow of air through the casing, for distributing solid material into the upwardly flowing air stream, and for restricting the upward flow of solid materials in suspension in the air stream, inwardly projecting spaced apart annular members in the upper portion of the casing for defining an inwardly open annular separating space above the

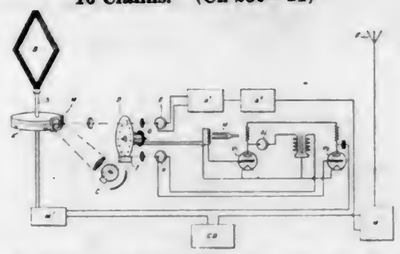
restricting means, and adjustable damper means positioned in the outer portion of this separating space.

2,070,651

WIRELESS DIRECTION FINDING SYSTEM

Harry Melville Dowsett and Louis Edward Quintrell Walker, London, and Robert Cadzow, Argyllshire, England, assignors to Electric and Musical Industries, Limited, a corporation of Great Britain

Application May 24, 1933, Serial No. 672,552
In Great Britain May 26, 1932
16 Claims. (Cl. 250—11)



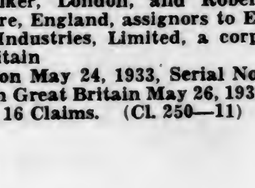
1. A wireless direction or bearing finding system comprising a transmitting station including, a rotatable loop, a direction indicating picture on the periphery of a rotatable recording medium, means for rotating said loop and recording medium, a scanning device, a light source and a light sensitive cell and circuit arranged adjacent said recording medium cooperating with each other and with said recording medium to produce in said cell and circuit currents characteristic of said picture, a wave generating and modulating and radiating device of the non-directional type connected with said cell and circuit, a tone generator operable at a frequency which is a function of the rate at which said picture is converted into characteristic currents and wave generating and signal modulating means and amplifying means interposed between said tone generator and said loop.

2,070,652

DISPLAY CARD HOLDER

Francis E. Elmer, Bronson, Mich., assignor to L. A. Darling Company, Bronson, Mich., a corporation of Delaware

Application December 2, 1936, Serial No. 113,851
2 Claims. (Cl. 40—10)



1. A card holder of the class described, comprising a frame of rectangular form having its sides, top and bottom members of inwardly facing channel form, the upper member having a slot throughout its length through the bottom portion of its channel for the insertion of a card into the frame, the bottom of the channel of the lower frame member being upwardly curved at its ends and having raised card rests intermediate said ends to support a card in level position with respect to the frame.

2,070,653

ASSEMBLING MACHINE AND METHOD

John C. Gibbs, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application May 17, 1932, Serial No. 611,827
26 Claims. (Cl. 113—1)



1. The method of assembling decorated buttons with body parts, which method comprises applying a force tending to rotate the button continuously, holding said button against rotation when turned into proper position, and interlocking said button and said body part.

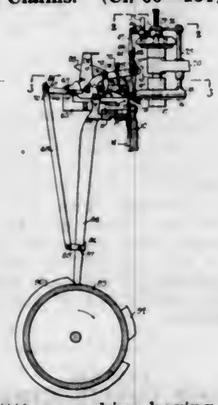
12. In a device of the class described, the combination of a support for a body part, means for rotating a button, means for stopping the rotation of said button without stopping the rotation of said first means, and means for reciprocating said rotating means axially thereof to insert the button into the body part.

2,070,654

DOUBLE SOLE ATTACHMENT FOR KNITTING MACHINES

Robert A. Gibbs, Jr., Greensboro, and Stanford W. McDowell, High Point, N. C.

Application March 4, 1935, Serial No. 9,256
2 Claims. (Cl. 66—134)



1. In a knitting machine having a frame, and a cylinder having cylinder needles and a dial cap having dial needles and a vertically disposed dial shaft for operating said dial needles and a main pattern drum and push rods operated by the said main pattern drum, said dial cap having a radially disposed slot in its upper surface extending to the periphery of the dial cap, a lever pivotally mounted intermediate its ends on said frame and having one end thereof extending above said slot and inside the circle defined by the cylinder needles, a second lever pivoted intermediate its ends and having one end adapted to engage the other end of said first lever to raise the end thereof which extends above and inside the needle circle, a push rod operated by said main pattern drum and having its upper end connected to one end of said second lever, a combined clamp and cutter mounted on the end of said first lever disposed within the needle circle and having its lower end projecting into said cavity, means operable by the dial shaft for opening and closing said combined clamp and cutter twice upon each revolution of the dial shaft, upward movement of said push rod associated with said second lever being adapted to move the second lever on its pivot and thereby raise the end of the first lever disposed within the needle circle to thereby remove the clamp and cutter from the path of the means operated by the dial shaft for opening and closing said clamp and cutter.

2,070,655

FRAMEWORK ARRANGEMENT

Johannes Gillberg, Stockholm, Sweden

Application February 28, 1935, Serial No. 8,700
In Sweden March 7, 1934
2 Claims. (Cl. 20—0.5)



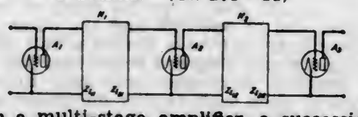
1. Girder arrangement for floors comprising wooden girders directly supporting the flooring, a rigid supporting structure for the floor, supporting members attached at their upper ends to said wooden girders and resting with their base on said rigid supporting structure, attaching means for securing said supporting members to the wooden girders, said attaching means being adapted to carry the load of the flooring and to be secured to the sides of said wooden girders adjacently to the upper edges of the latter for the purpose of reducing to a minimum the settling of the floor due to shrinkage of the wooden girders.

2,070,656

FREQUENCY-SELECTIVE TRANSMISSION CIRCUIT

Alexander J. Grossman, Mineola, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 27, 1934, Serial No. 754,933
3 Claims. (Cl. 178—44)



3. In a multi-stage amplifier, a succession of amplifier elements, impedance networks each connecting the output of one amplifier element to the input of the next amplifier element, said networks each having input image impedances approximately equal to the amplifier element output impedances to which their inputs are connected, and being terminated at their output sides in substantially open-circuit impedances, the product of the output image impedances of said networks being substantially a constant independent of frequency throughout a range of frequencies to be amplified.

2,070,657

ROTATIVE WING AIRCRAFT

Raoul Hafner, Vienna, Austria

Application November 8, 1934, Serial No. 751,977
In Great Britain November 9, 1933
12 Claims. (Cl. 244—18)

1. Rotative wing aircraft including in combination a hub member, flapping blades each secured in radial relation to said hub by radially extending torsionally flexible tension means lying wholly within the blade and fixed thereto at a point substantially midway of its length and carrying the entire centrifugal load of said blade to permit and facilitate alteration of its angle of incidence, said blades having their centers of mass towards their outer extremities to facilitate the storage therein of kinetic energy, driving means for positively rotating the said blades while the aircraft is



grounded, the blade sections having a low drag when at a small angle of incidence to facilitate their attaining an abnormally high rate of revolution and storing excess kinetic energy when so driven, and means for thereafter increasing the incidence of said blades to cause the aircraft to lift without forward run by virtue of said excess energy.

2,070,658

MANUFACTURE OF FERTILIZER

Herman L. Hartenstein, Chicago, Ill.

No Drawing. Application August 18, 1934, Serial No. 740,457
12 Claims. (Cl. 71—8)

1. The thermal moisture method of manufacturing fertilizer ingredients which comprises charging continuously native wet peat into a rotary heating furnace to preheat the mass, mixing therewith immature sunflower plant material, continuously discharging and depositing the preheated hot moist mass into bins, aging the mass under its contained and self-maintained heat at atmospheric pressure for a period of not less than four weeks, and at the beginning of as well as during the aging period, at intervals of several days, injecting thereinto liquid ammonia, and finally drying and grinding the product.

11. The thermal moisture method of manufacturing fertilizer ingredients which comprises charging continuously native wet peat, gypsum and phosphate rock into a rotary heating furnace to preheat the mass, continuously discharging and depositing the preheated mass containing a moisture content of approximately from thirty to seventy per cent into bins, aging the mass under its continued and self-contained heat at atmospheric pressure for a period of not less than four weeks, and at the beginning of as well as during the aging period, at intervals of several days, injecting thereinto solutions of nitrogen compounds having fertilizing value, nitrogen and carbon dioxide gases, which heat, moisture and aging are effective in rendering the nitrogen and phosphorous content readily available and effective, the moisture content being reduced, and finally drying and grinding the product.

2,070,659

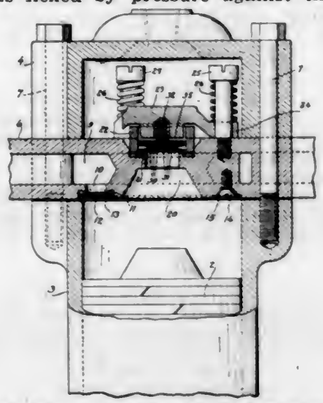
COMPRESSOR VALVE

William W. Higham, Detroit, Mich., assignor to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan

Application August 15, 1935, Serial No. 36,362
11 Claims. (Cl. 251—119)

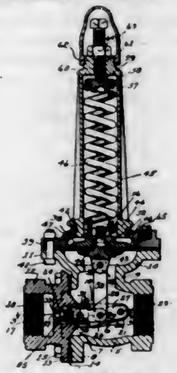
11. In a valve for a compressor or the like having a compressing cylinder, a valve plate adapted to be positioned at one end of the cylinder and having a port therein surrounded by a seat, a valve structure comprising a plurality of superposed members, one of which is adapted to rest upon the seat to close the port, some of the other members being warped and adapted to collapse under pressure, means on the opposite side of the superposed members from the plate including a spring acting upon the members to

urge the said one member against the seat, said spring being collapsible by a pressure relatively light as compared to the pressure required to collapse the warped members, whereby when the spring is flexed by pressure against the valve



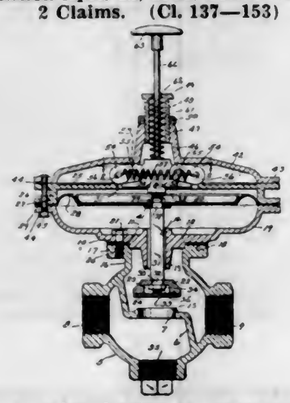
structure the members are shifted as a unit from the valve seat, the said means being arranged to stop said shifting of the members away from the valve seat whereby the warped discs may partially collapse subsequent to the flexing of said spring.

2,070,660
PRESSURE REGULATING VALVE
Ralph C. Hughes, Anderson, Ind., assignor to Reynolds Gas Regulator Co., Anderson, Ind., a corporation of Indiana
Application March 3, 1932, Serial No. 596,487
5 Claims. (Cl. 50—26)



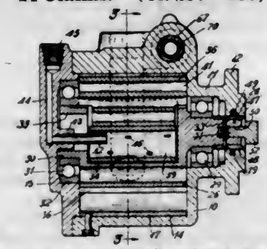
1. In a pressure regulating valve mechanism, the combination with a main regulator casing having an inner chamber, oppositely directed and alined inlet and outlet connections and an imperforate bottom wall, of an inlet casting detachably and axially connected with said inlet connection and having a transverse integral and centrally apertured web and an elongated and hollow fixed frame integral with said web and axially alined with said aperture, extending into said inner chamber, a hollow actuating member mounted in said frame for movement toward and from said aperture, a valve member detachably secured on the outer end of said actuating member in axial alinement with the central aperture of said web, the said inwardly extending frame comprising rigid but spaced parallel plates integral at their extreme inner ends and having a rigid transverse pin for receiving on its intermediate portion a pivotal member, toggle mechanism including spaced parallel links pivoted on said pin, and another link pivoted upon said actuating member at one end and with the inner ends of the parallel links at the other end, said toggle mechanism being thereby enclosed within said rigid frame, pressure responsive means mounted on said main casing and having actuating connection with said toggle links for straightening or bending them to close or open the valve.

2,070,661
SPRING-TOGGLE ACTION SHUT-OFF VALVE
Ralph C. Hughes, Anderson, Ind., assignor to Reynolds Gas Regulator Co., Anderson, Ind., a corporation of Indiana
Application April 12, 1934, Serial No. 720,241
2 Claims. (Cl. 137—153)



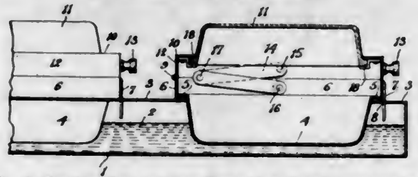
1. In a valve having a passageway therethrough, a closure member for closing said passageway, a stem for said closure member, pressure responsive means secured to said closure member, resilient means normally acting to close said valve, a pair of oppositely extending links pivoted on said stem, a spring disposed between the outer end of one link and the outer end of the other link, said valve having a wall disposed above and a wall disposed below said links, said walls adapted to contact with said links, and consequent upon such further movement of said stem acting to cause the stem to maintain the valve in either position dependent upon the direction of movement of said stem.

2,070,662
VACUUM PUMP
James P. Johnson, Shaker Heights, Ohio
Application April 24, 1934, Serial No. 722,155
14 Claims. (Cl. 230—153)



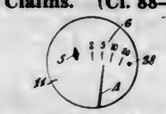
11. In a rotary pump structure, a rotor having an axial bore and walls at the opposite ends thereof, said rotor being further provided with a plurality of radially disposed slots extending through the outer wall thereof, axial extensions on the opposite ends of said rotor by which the latter is rotatably mounted, one of said extensions having an axial opening therethrough communicating with the interior of said bore but of smaller relative diameter, blades slidably mounted in said slots and having their inner ends projecting into the bore in said rotor, and a roller member disposed within the bore in said rotor and engageable with the inner ends of said blades to maintain the latter in spaced relation, said roller member being insertable through the opening in one of said extensions and normally maintained within the bore by engagement with the adjacent end walls of the latter.

2,070,663
PROTECTIVE COVER FOR FOOD PANS
Calvin W. Klein, Leo Esterow, and Abraham Klein, New York, N. Y.
Application May 13, 1936, Serial No. 79,452
3 Claims. (Cl. 312—114)



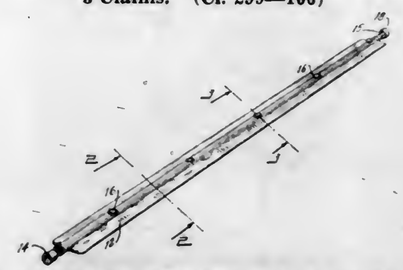
3. A device for protecting the food contents of steam tables and the like comprising, a frame adapted to rest on top of a steam table and surround a pan aperture therein, said frame including an upstanding portion, a cover member hinged at the back portion of said portion, said cover member including a domed, transparent central portion and a surrounding protecting frame, means for removably holding the domed central portion within said protecting frame and means for holding the cover member in a raised position.

2,070,664
PHOTOELECTRIC EXPOSURE METER
Heinz Küppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application January 23, 1936, Serial No. 60,377
In Germany January 11, 1935
2 Claims. (Cl. 88—23)



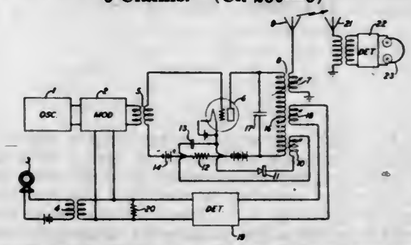
1. In a photoelectric exposure meter, the combination of a photoelectric cell, an electrical measuring instrument having an indicating face and a pointer, a variable resistance adjustable for bringing said pointer opposite a fixed mark on said indicating face, means for adjusting said resistance, said means having indications of the exposure time, and a numerical scale on said indicating face and disposed between a zero mark on said indicating face and said fixed mark, the numbers on said scale representing numbers by which the exposure time indications are to be multiplied to obtain the correct exposure time when the photocell conditions are such that the pointer cannot be advanced to said fixed mark, the numerical values of the scale numbers being highest adjacent said zero mark and decreasing toward said fixed mark.

2,070,665
COMBINED HOSE AND SPRINKLER
Robert J. Lepper, Denver, Colo.
Application July 27, 1936, Serial No. 92,796
3 Claims. (Cl. 299—106)



1. A sprinkling hose comprising: a tubular hose section; nipples inset in the upper portion of said hose at spaced apart intervals; sprinkling heads threaded into said nipples; a relatively wide flat base extending throughout the length of said section to maintain said nipples in a vertical position, said base extending outwardly along both sides of said hose and formed as an integral part of said hose.

2,070,666
MODULATING SYSTEM
Frederick B. Llewellyn, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,635
6 Claims. (Cl. 250—6)

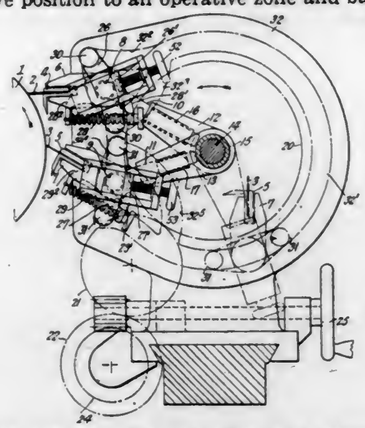


1. In a high frequency signaling system, a transmitter adapted to send a modulated wave accompanied by an unmodulated carrier component of variable intensity dependent upon the strength of the signal being transmitted, a receiver associated with said transmitter and characterized by a distorting effect upon signals therefrom, an auxiliary receiver having a distorting effect similar to the main receiver, said auxiliary receiver being associated with the transmitter, and a reversed feedback connection for signal frequencies between the auxiliary receiver and the transmitter whereby the transmitted wave is predistorted to diminish distortion of the detected signal in the main receiver.

2,070,667
DOCTOR BLADE MECHANISM FOR INTAGLIO PRINTING MACHINES
Frederick Grafton Lougee, London, England, assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 19, 1934, Serial No. 758,156
In Great Britain December 20, 1933
17 Claims. (Cl. 101—157)

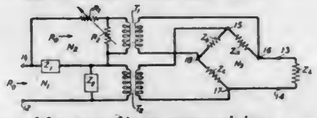
1. The combination of a printing cylinder for receiving an etched printing plate, two doctor blades, a carrier for each blade and devices

operating to cause the carriers to be moved through a closed looped path extending from a reserve position to an operative zone and back to



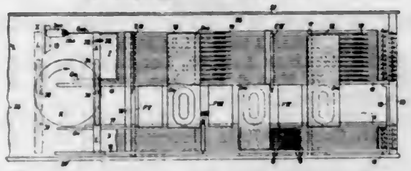
reserve position, the operative zone extending through a substantial part of the looped path so that both carriers can lie within the operative zone at the same time.

2,070,668
WAVE TRANSMISSION NETWORK
Walter R. Lundry, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 4, 1935, Serial No. 43,474
11 Claims. (Cl. 178—44)



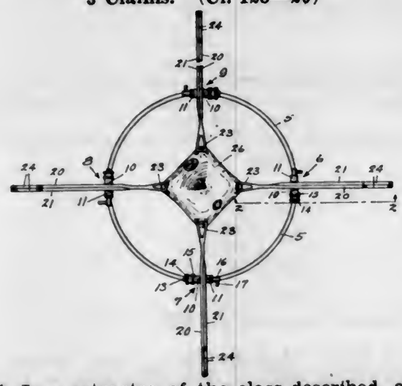
1. A variable equalizer comprising a network having an impedance branch in series with the line and an impedance branch in shunt with the line, a second network having two pairs of terminals which bear a conjugate relationship with respect to each other, means for impressing the output voltage of said first network upon one of said pairs of terminals, means for impressing a voltage derived from one of said impedance branches upon the other pair of said terminals, and means for adjusting the relative amplitudes of said two voltages, the transmission loss of said equalizer being related to the loss introduced by one of said component networks by a factor substantially independent of frequency but dependent upon the relative amplitudes of said two voltages.

2,070,669
SIGN ANNOUNCING APPARATUS
Jules Lüthi, Birsfelden, Switzerland
Application July 26, 1935, Serial No. 33,319
In Switzerland August 15, 1934
6 Claims. (Cl. 40—52)



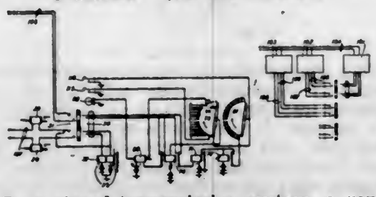
1. A sign announcing apparatus comprising in combination at least one rod, a driving appliance adapted to axially displace said rod first in one direction and then in the other direction, at least one sign board movably mounted on and displaceable with said rod, and a buttress in the path of movement of said sign-board out of its plane of movement during the displacement of said rod in one direction and to guide it back into its initial position during the displacement of said rod in the other direction.

2,070,670
ANAL RETRACTOR
George R. Marshall, Seattle, Wash.
Application February 26, 1935, Serial No. 8,255
Renewed July 6, 1936
3 Claims. (Cl. 128—20)



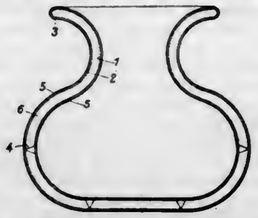
1. In a retractor of the class described, a retractor frame; a plurality of forceps like retractor members having grip means adapted to engage parts to be retracted, a plurality of adjustable holding members mounted on said retractor, said holding members having jaws receiving and holding said retractor members when the retractor members are attached to the part to be retracted, said jaws providing an opening receiving the retractor members after said retractor members are attached to parts to be retracted; and readily operable means moving said holding members into engaged or released position relative to said retractor members.

2,070,671
REPEATER TESTING
Charles R. Meissner, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 4, 1933, Serial No. 692,171
6 Claims. (Cl. 179—175.31)



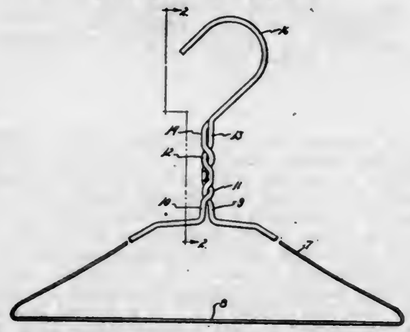
1. In a signal transmission system, a repeater station including a plurality of space discharge repeaters for repeating signals, a measuring test apparatus at said station common to said repeaters for making test measurements on the circuits of said repeaters while said repeaters are functioning normally to repeat signals, means to translate the measurements so made into currents suitable for actuating quantitatively and proportionally a recorder and a recorder actuated by said currents.

2,070,672
METHOD OF PRODUCING DOUBLE-WALL VESSELS OF CERAMIC MATERIAL AND WITH RAREFACTION OF THE AIR WITHIN THE WALL SPACES
Hans Josef Moczala, Berlin, Germany
Application February 8, 1935, Serial No. 5,598
In Germany October 9, 1933
4 Claims. (Cl. 25—156)



1. A method of producing double-wall vessels of ceramic material and with rarefaction of the air within the wall spaces which method comprises manufacturing the raw walls separately, placing one wall inside the other, connecting the air pervious walls with each other at their edge portions, applying a raw glazing mass to the surface of the shard thus produced and then heating to a sufficiently high temperature to drive part of the air within the wall spaces through the said walls followed by a sealing of the walls by said glazing material.

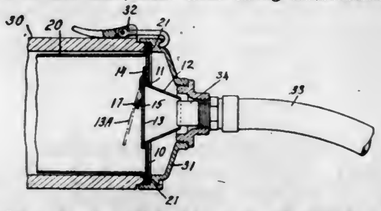
2,070,673
GARMENT HANGER
John H. Moore, Detroit, Mich.
Application March 23, 1935, Serial No. 12,604
3 Claims. (Cl. 223—85)



1. A garment hanger of the class described comprising a single loop formed from a single piece of wire and having the ends projecting outwardly from the loop said ends being twisted about each other throughout a portion of their length in one direction and throughout a portion of their length in the opposite direction.

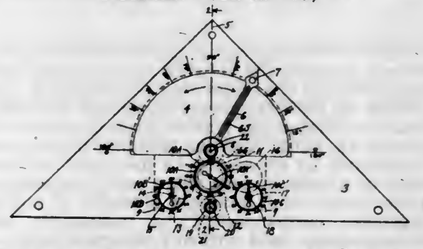
2,070,674
DUST BAG
Christian C. Muentener, Bogota, N. J., assignor, by mesne assignments, to Utility Innovations Inc., New York, N. Y.
Application November 5, 1935, Serial No. 48,286
6 Claims. (Cl. 183—40)

5. A self-closing dust receiving unit for vacuum cleaners comprising a substantially flat disc constructed with an orifice forming a restricted opening, a check valve over the orifice, and a self-sustaining porous bag permanently and directly affixed to the disc, said unit being detachable as



a whole and adapted to be removed with its contents and thrown away.

2,070,675
TRIANGLE-PROTRACTOR
James C. Niemeyer, St. Paul, Minn.
Application April 26, 1935, Serial No. 18,307
4 Claims. (Cl. 33—75)



1. A triangle-protractor comprising a triangular flat member, an approximately semi-circular aperture therein and a line at right angles to one side of said member bisecting the aperture, a beam pivotally mounted concentric of said aperture and its fulcrum comprising in part a gear, said triangle being laminated and comprising a pair of identical members and an intermediate member connecting the said pair, an aperture provided in the intermediate member and comprising a gear housing, gears mounted in said housing and dials on certain of the shafts of said gears and concentric of said dials one over each dial, said gears in mesh and proportioned to position said hands to indicate on the dials the exact position of the beam in degrees, minutes and seconds.

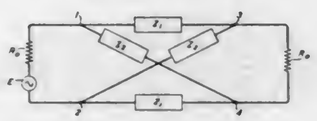
2,070,676
WINDSHIELD MOUNTING
Amos E. Northup, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application February 28, 1931, Serial No. 518,971
2 Claims. (Cl. 296—84)



1. In a vehicle body, a cowl panel, front pillars sloping rearwardly therefrom and defining a sloping windshield opening, a roof panel of sheet material bridging said pillars and curved upwardly transversely of the body, said roof panel bulging slightly forwardly of the pillars to provide a relatively shallow bead above the windshield opening and then sloping rearwardly of

the pillars, said bead being curved upwardly transversely of the body, said roof panel, cowl panel and pillars carrying means for receiving a windshield in the opening formed thereby, and a windshield disposed in the opening and secured to said means.

2,070,677
TRANSMISSION NETWORK
Edward L. Norton, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 9, 1934, Serial No. 729,743
3 Claims. (Cl. 178—44)



1. A four-terminal broad-band wave filter comprising a symmetrical network of reactances, said network having characterizing reactances X_1 and X_2 which by their frequency variations and magnitudes determine the transmission properties of the network, equal resistive terminal impedances of resistance R_0 connected to the input and the output terminals of said filter, said characterizing reactances each having a plurality of critical frequencies corresponding to resonances and anti-resonances, said critical frequencies being so spaced in the frequency scale that the sum of the angles y_1 and y_2 defined by

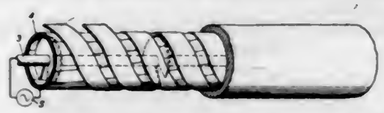
$$y_1 = \tan^{-1}\frac{X_1}{R_0}$$

and

$$y_2 = -\tan^{-1}\frac{R_0}{X_2}$$

varies substantially linearly with frequency throughout the transmission band of the filter and throughout part of the attenuation range adjacent the band.

2,070,678
COAXIAL CONDUCTOR SYSTEM
Todos M. Odarenko, New York, N. Y., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y., a corporation of New York
Application June 11, 1935, Serial No. 26,010
7 Claims. (Cl. 178—44)

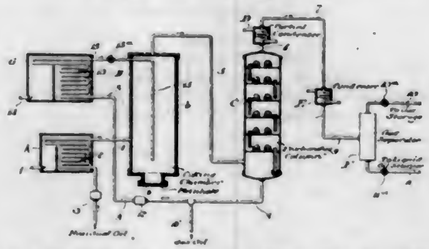


3. A coaxial conductor transmission line comprising inner and outer conductors connected one as a return for the other, the effective resistivity of said outer conductor being greater than the effective resistivity of said inner conductor and the ratio of the internal diameter of said outer conductor to the external diameter of said inner conductor being optimum with respect to the attenuation of waves lying near the top of the frequency band transmitted, said optimum ratio being at least ten per cent smaller than the optimum ratio for waves of infinitely high frequency.

2,070,679
PROCESS FOR PREPARING NONMETALLIC ARTICLES FOR ELECTRO-PLATING
Rudolf Peböck and Kurt Bergstein, Berlin, Germany
No Drawing. Application August 4, 1934, Serial No. 738,540. In Germany August 7, 1933
2 Claims. (Cl. 204—8)

1. The process for preparing moulded articles of artificial resin for electro-plating which consists in roughening the external surfaces of the articles, applying to the roughened surfaces by means of a varnish a thin electrically conductive layer of a metal alloy powder containing lead and a metal of a potential lower than copper and of a color differing from that of copper, immerging the articles in a first acid copper bath, removing them from said first acid copper bath after the formation of a thin copper skin on their surfaces, placing them in a second acid copper bath, and applying an electric current for electrolytic deposition of a copper layer on the copper skin formed in the first acid copper bath.

2,070,680
PROCESS OF CONVERTING HYDROCARBON OILS
Albert G. Peterkin, Jr., Bryn Mawr, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 21, 1928, Serial No. 320,778
8 Claims. (Cl. 196—58)

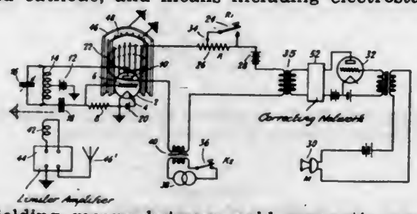


1. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating zone and heating the same therein to cracking temperature under sufficient pressure to maintain a substantial portion thereof in the liquid phase, discharging the heated oil into a separating zone and separating the same into vapors and unvaporized oil therein, simultaneously heating hydrocarbon vapors to vapor phase cracking temperature in a second heating zone maintained at higher temperature than the first-mentioned heating zone, and injecting resultant vapor phase cracked vapors from said second zone in amount and at a temperature sufficient to distill the unvaporized oil to coke.

2,070,681
OSCILLATORY CIRCUIT
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 17, 1932, Serial No. 647,725
13 Claims. (Cl. 179—171)

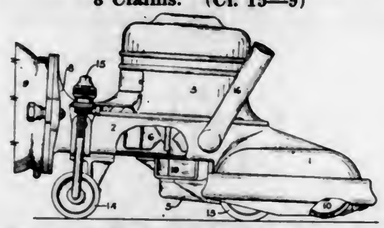
1. In electrical apparatus, an electron discharge device having an electron emitting cathode and a plurality of relatively cold electrodes unequally spaced from and subjected to different polarizing potentials relative to said cathode, circuits interconnecting said cold electrodes and said cathode and forming therewith an oscilla-

tion generator, magnetic apparatus for applying a magnetic force to the electrons flowing from said cathode, and means including electrostatic



shielding means between said magnetic apparatus and said electron discharge device for producing substantially pure phase modulation of the current in said circuits.

2,070,682
SUCTION CLEANER
Frank L. Pierce, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 15, 1935, Serial No. 16,381
In Great Britain, April 17, 1934
8 Claims. (Cl. 15—9)

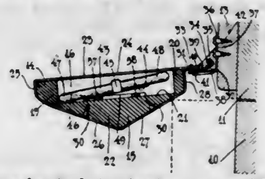


1. In a suction cleaner adapted for on-the-floor and off-the-floor cleaning, a nozzle, a rotary agitator in said nozzle, a fan chamber, a suction-creating fan in said chamber, a stationary air passageway connecting said nozzle to said fan chamber, a drive shaft extended thru said fan chamber into said passageway and formed as a pulley at its end, a power-transmitting belt connected to said pulley and extended thru said air passageway to said agitator, characterized in that said air passageway is shaped to provide a channel closely enclosing said shaft and said belt at their junction there being shoulders around said channel which include portions which slope downwardly in said passageway and in the direction of said nozzle, and in that said passageway is formed with a converter-receiving port opening transversely of said passageway and above said shoulders.

6. A dusting tool converter for suction cleaners, comprising a conduit adapted to be attached to the end of a dusting tool hose and to be inserted endwise into a port in the body of said cleaner, said conduit being flattened on opposite sides and having an opening adjacent its outer end, one portion of said opening being formed in one edge intermediate the flattened sides of said conduit and another portion being extended transversely substantially the width of one of the adjacent flattened sides, the edges of said opening being adapted to have sealing contact with predetermined internal surfaces of said body beyond said port.

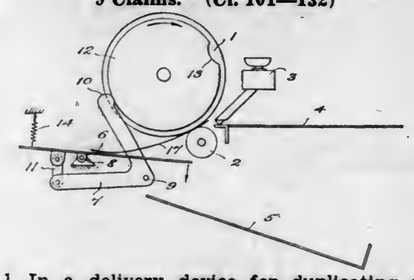
2,070,683
ELECTRIC SWITCH
Walter R. Price, Minneapolis, Minn.
Application June 10, 1935, Serial No. 25,927
4 Claims. (Serial No. 206—54)

1. An electric switch comprising a mounting constructed of insulating material and provided with side and end walls and a bottom to form a channel therein, said side walls having registering slots therein disposed immediately above the bottom of said channel, two bolts extending through said slots and overlying the bottom of said channel and forming spaced twin fulcrums,



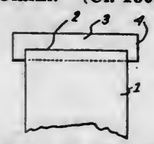
a member adapted to teeter on said fulcrums, switch means adapted to be operated by said member when said member is carried by both of said fulcrums, means for causing said member to teeter, and means for holding said bolts in adjusted position within said slots.

2,070,684
DELIVERY DEVICE FOR DUPLICATING MACHINES
Wilhelm Ritzerfeld, Berlin, Germany
Application October 7, 1935, Serial No. 43,881
In Austria October 11, 1934
9 Claims. (Cl. 101—132)



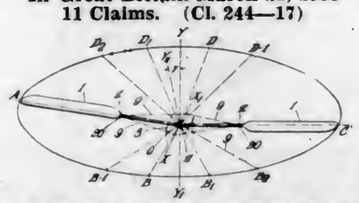
1. In a delivery device for duplicating machines, the combination comprising a pivoted delivery table adapted to receive a printed copy sheet, means for tilting said table into a forwardly sloping position, and means for actuating said tilting means after said printed copy sheet has been deposited on said table to return said copy sheet to a region within easy reach of the operator of the machine by gravitational action.

2,070,685
BAG AND PROCESS AND DEVICE FOR EFFECTING CLOSURES THEREIN
William Wallace Rowe, Cincinnati, Ohio, assignor, by mesne assignments, to Bemis Bro. Bag Co., St. Louis, Mo., a corporation of Missouri
Application January 13, 1933, Serial No. 651,577
1 Claim. (Cl. 150—7)



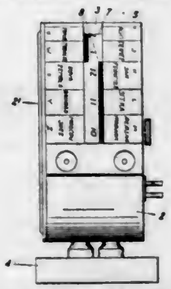
A composite bag of outer textile and inner paper materials prepared for filling and closing, comprising a composite sealing flap of inner textile and outer paper materials attached to one of the bag walls adjacent to and at least the full width of the mouth thereof and projecting thereabeyond in such a position as to permit its being folded over and attached to the other of said bag walls, the inner textile of the flap being attached to the outer textile of the bag.

2,070,686
HELICOPTER AND ROTATING WING AIRCRAFT
Walton Victor D'Arcy Rutherford, London, England, and Raoul Hafner and Bruno Nagler, Vienna, Austria
Application March 16, 1934, Serial No. 715,839½
In Great Britain March 21, 1933
11 Claims. (Cl. 244—17)



1. In a rotary wing aircraft having means for rotating the wings and simultaneously flapping them, a pair of flexible stays each of which has one of its ends connected to a wing at a point intermediate its ends and has its other end connected to a part of the rotating wing structure in such manner that the stay is always in the same plane as the longitudinal axis of the wing and the other stay, each of the stays forming the hypotenuse of a triangle of which the longitudinal axis of the wing is one side, whereby friction at the root of the wing caused by lateral and centrifugal forces is eliminated.

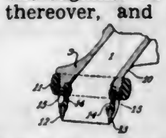
2,070,687
WORLD CLOCK
Herman Schlacht, Woodhaven, N. Y.
Application February 20, 1935, Serial No. 7,340
6 Claims. (Cl. 58—43)



5. A world clock including a movement, a cylindrical casing having a plurality of pairs of time zones determined by longitude and displayed in a semi-circle in opposed positions, each of said zones containing a geographical name of a city, two semi-circular stripes interposed between said zones and lying in different planes, the zones on one side of each stripe indicating a. m., and the other p. m., and means actuated by said clock movement to rotate said stripes.

2,070,688
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 30, 1933, Serial No. 704,622
11 Claims. (Cl. 15—16)

1. In a suction cleaner, a nozzle having a mouth, and a surface-contacting lip tiltably mounted throughout its length and defining one side of the nozzle mouth and movable relative to the nozzle proper by the force exerted by surface covering thereagainst on the movement of said cleaner thereover, and means resiliently



urging said lip to a normal vertical position and resiliently opposing movement therefrom.

2,070,689
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 22, 1934, Serial No. 731,797
13 Claims. (Cl. 15—9)



1. In a suction cleaner, a cleaner propelling handle, suction creating means, floor cleaning means connected to a point of low pressure in said suction creating means, off-the-floor cleaning means connectible to a point of low pressure and to a point of high pressure of said suction creating means, and valve means operated by said handle selectively connecting said floor cleaning means and said off-the-floor cleaning means to said point of low pressure and said off-the-floor cleaning means to said point of high pressure.

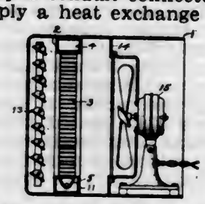
6. In a suction cleaner, a movable handle, suction creating means including a driving motor, a floor nozzle, a dusting tool hose, valve means selectively connecting said nozzle and said hose to said suction creating means, said valve means connected to said handle to be operated thereby, and means operated by the movement of said handle to certain positions to cause said motor to rotate at increased speed.

13. In a suction cleaner adapted for on-the-floor and off-the-floor operation, a cleaner propelling handle, a floor nozzle, means operated by said handle to convert said cleaner from an on-the-floor unit to an off-the-floor unit, and means operated by the movement of said handle to raise said nozzle.

2,070,690
AIR CONDITIONER
Rulo Wayne Smith, Auburn, Ind.
Application September 4, 1934, Serial No. 742,601
3 Claims. (Cl. 257—137)

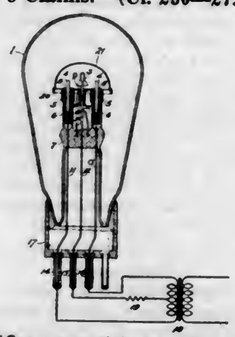
1. A device of the class described comprising a radiator having a nest of vertical conduits

and connecting fins, tanks connected to the opposite ends of the conduits respectively an inverted U-shaped conduit connected to the lower tank to supply a heat exchange medium under



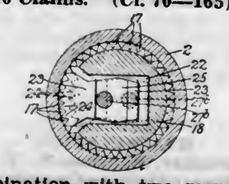
pressure to the conduits, a discharge conduit connected to the upper tank, an electric fan rearwardly of the conduits and a conduit to direct the draft of air from the fan into contact with the nest of conduits and the fins.

2,070,691
ELECTRON DISCHARGE DEVICE
Percy L. Spencer, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 2, 1928, Serial No. 289,845
Renewed March 5, 1934
8 Claims. (Cl. 250—27.5)



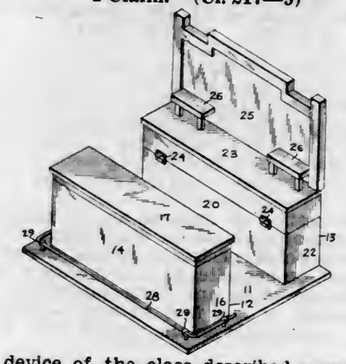
1. A rectifier comprising a plurality of anodes and a cathode in a rarefied atmosphere, means comprising a metallic member completely enclosing the region of discharge, said metallic member being electrically insulated from said electrodes by mean free path spacing, said cathode being made of tantalum with alkaline earth metal compounds burned in so that the discharge starts as a glow and continues thereafter as an arc-like discharge.

2,070,692
LOCK
Porter E. Stone, Detroit, Mich.
Application June 21, 1935, Serial No. 27,668
10 Claims. (Cl. 70—165)



1. In combination with two members one of which is relatively rotatable within the other, a key controlled reciprocable bolt between the said members, a guideway in one of the said members in which the bolt is loosely guided and cantable whereby when the bolt is projected to interlock the said members the canting action of the bolt creates a resistance to the relative rotation of the said members, which resistance increases as the force tending to move one member relative to the other increases.

2,070,693
NOVELTY BOX
Ellis B. Strickler, Yorkana, Pa.
Application August 1, 1935, Serial No. 34,210
1 Claim. (Cl. 217—5)



A device of the class described comprising a base, front and rear compartments mounted on the base in spaced apart relation to each other, a lid hingedly connected to the front compartment and adapted to be swung rearwardly to occupy the space between said compartments, a lid hingedly connected to the front wall of the rear compartment, and an extended back portion formed on the lid of the rear compartment and adapted to rest on top of the front compartment when the lid of the rear compartment is swung forwardly on its hinges.

2,070,694
DECOLORIZATION OF RESINS
Charles A. Thomas and William H. Carmody, Dayton, Ohio, assignors, by mesne assignments, to The Neville Company, Neville Island, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 16, 1934, Serial No. 753,412
9 Claims. (Cl. 260—7)

1. The method of decolorizing a resin obtained by the polymerization of crude coal tar naphtha under the influence of an acidic polymerizing agent which normally results in an off-colored product, which comprises treating a preformed resin of this type with clay, subjecting the mixture to heat conditions sufficient to render adsorbable the color-producing impurities associated with the resin and to provide for complete adsorption in the clay of the impurities so developed and thereafter separating the clay from the resin.

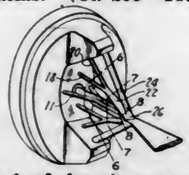
2,070,695
SPRAY HEAD
Robert W. Tracy, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application December 9, 1935, Serial No. 53,601
12 Claims. (Cl. 299—140.1)



2. A spray head of the class described having provision for discharging an air supported stream

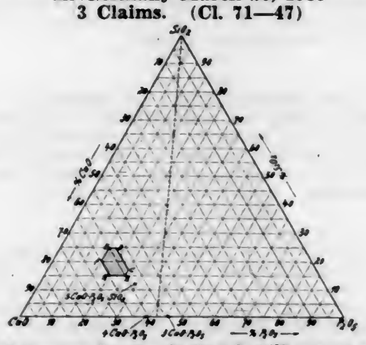
of coating liquid, and having provision for discharging two distinct pairs of atomizing jets, and a pair of flattening jets acting on the stream of coating liquid in succession.

2,070,696
SPRAY HEAD
Robert W. Tracy, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application December 11, 1935, Serial No. 53,964
5 Claims. (Cl. 299—140.1)



1. The method of forming an air supported stream of coating material discharging from a spray head, which consists in striking the stream of material, on opposite sides, first with a broad enveloping jet of air and immediately after the initial striking of said first jet with a narrower air body acting only on the central part of the stream.

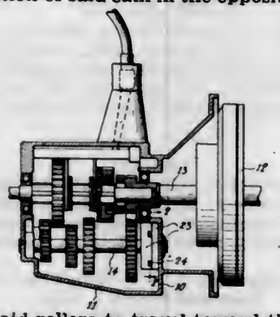
2,070,697
PROCESS FOR PRODUCING FERTILIZERS
Gerhard Trömel, Dusseldorf, Germany, assignor to Kaiser-Wilhelm-Institute fur Eisenforschung (eingetragener Verein), Dusseldorf, Germany
Application February 19, 1936, Serial No. 64,660
In Germany March 26, 1935
3 Claims. (Cl. 71—47)



1. A process for producing fertilizers on a commercial scale, by calcining raw phosphate with lime and silicic acid, at temperatures up to about 1450° C., characterized by adjusting the relative proportions of raw phosphate, lime and silicic acid in the mixture so that the calcined product contains about 58–65% of CaO, about 15–25% of P_2O_5 and about 15–25% of SiO_2.

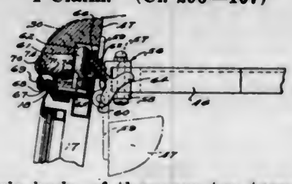
2,070,698
AUTOMOBILE REVERSE BRAKE MECHANISM
Vahe Tinghir, Forest Hills, N. Y.
Application September 12, 1935, Serial No. 40,270
1 Claim. (Cl. 192—4)

In an automobile having propelling means, a transmission gear housing, transmission gears in said housing connected with said propelling means, a secondary shaft having some of said transmission gears thereon, a solid block rigidly mounted within said housing against one end wall of said housing and having a cylindrical bore therein, said secondary shaft passing through the center of said bore and having a cam rigid thereon rotatable within said bore, the peripheral surface of said cam having plurality of spaced apart cut-outs therein, rollers freely mounted in said cut-outs, each of said cut-outs being rounded on one end, the other end being substantially straight and intersecting the peripheral surface of said cam, said rollers when seated in said rounded end of the cut-outs being freely rotatable within said bore when said cam is rotating in one direction, rotation of said cam in the opposite direction



causing said rollers to travel toward the opposite ends of said cut-outs and to become wedged between said cut-outs and the periphery of the bore to check further rotation of said cam, said end wall of said housing covering one side of said block and closing said cut-outs on that side of said block, a plate rigid with said housing on the other side of said block and having a central opening through which said secondary shaft passes, said plate covering said other side of said block and closing said cut-outs on said other side, said end wall and said plate confining said rollers longitudinally within said cut-outs.

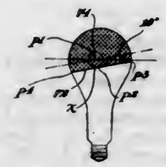
2,070,699
CONVERTIBLE TOP
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application August 6, 1931, Serial No. 555,449
1 Claim. (Cl. 296—107)



A vehicle body of the open top type having a header extending across the windshield opening, a windshield for said opening, sealing means between said windshield and header, a collapsible top securable to said header, and sealing means carried by said top engageable with sealing means between said windshield and header for sealing the top therewith.

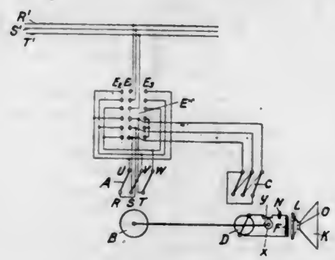
2,070,700
ILLUMINATION
John D. Whittaker, Babylon, N. Y., assignor to Welsbach Street Lighting Company of America, Philadelphia, Pa., a corporation of Delaware
Application November 17, 1934, Serial No. 753,437
14 Claims. (Cl. 176—34)

10. An incandescent bulb for the asymmetrical illumination of a substantially plane area positioned below the bulb, when said bulb is used alone, and without the aid of extraneous light reflecting devices and with its longitudinal axis in a position substantially perpendicular to said area, said bulb having a transparent casing provided with a spherical portion and a neck portion, an incandescible filament positioned within said spherical portion with its center of radiation slightly offset from the center of curvature of said spherical portion, lead-in connections for supplying electric current to said filament, an inwardly-reflecting coating on the spherical por-



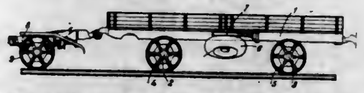
tion of said casing, said coating being bounded on one side thereof by a plane positioned between the filament and the surface to be illuminated, and at an angle of substantially eighty degrees to the longitudinal axis of said bulb, and said plane touching but not intersecting said filament, and said filament being in the form of two V's each having one leg shorter than the other and the free ends of the short legs of the V's meeting at a point, and the ends of the free terminal portions of the long legs of the V's constituting the end portions of the filament and touching said angularly positioned plane.

2,070,701
ELECTRICAL SOUND-EMITTING APPARATUS
Ernst Wilckens, Berlin-Lichterfelde, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken, "Meaf", Utrecht, Netherlands
Application March 30, 1933, Serial No. 663,635
In Germany October 26, 1927
4 Claims. (Cl. 177—7)



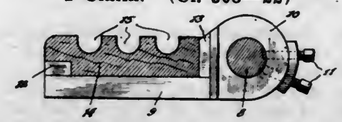
1. An apparatus for creating sound signals comprising in combination a source of alternating current, of a common distribution frequency, a motor-generator set driven and excited by said alternating current and producing a frequency, ranging from approximately 200 to 300 cycles per second, suitable for operating a sound transmitter, and a non-polarized sound transmitter energized by said generated frequency.

2,070,702
ROAD OR RAILWAY VEHICLE
Louis Willeme, Nanterre, France, assignor to Societe Anonyme Etablissements Willeme, Nanterre, France, a corporation of France
Application January 5, 1933, Serial No. 650,336
In France September 29, 1932
1 Claim. (Cl. 105—215)



A road and railway vehicle comprising a frame, two axles similarly disposed at opposite ends of the frame for supporting said frame, identical railway-wheels at the ends of each axle, road-wheels adapted to be detachably clamped on the railway-wheels on one of the axles, said road wheels having a greater diameter than said railway-wheels and means for coupling the vehicle to a road tractor including means for raising the end of the vehicle opposite the road-wheels a distance substantially equal to the difference in radius between the road and rail wheels whereby the vehicle will be substantially level when either the road-wheels are in use or when the railway-wheels are in use.

2,070,703
WHIP ROLL BEARING
Hiram N. Williams, Huntsville, Ala., assignor of one-half to Fred Eugene Lambert, West Huntsville, Alabama
Application February 4, 1935, Serial No. 4,936
1 Claim. (Cl. 308—22)

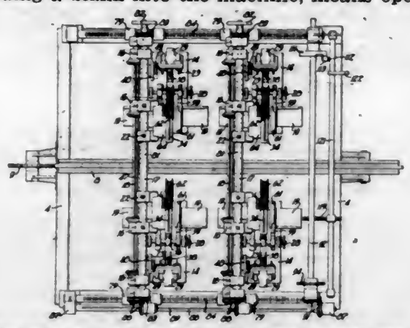


A device of the character described comprising a hub bored to receive a shaft and having a flat inner end face, means for securing said hub in a fixed position upon the shaft, an arm extending from the flat inner end face of said hub and having a flat upper face, a lug carried by the free end portion of said arm and disposed intermediate the width of the upper face thereof with its outer end flush with the end of the arm, a rib rising from the upper face of said arm against the flat inner end face of said hub and disposed intermediate the width of the arm in opposed relation to said lug, and a bearing block resting upon the upper face of said arm and having its inner end face abutting the flat end face of the hub and recessed to form a seat receiving said rib, the under face of the bearing block being recessed from its outer end to form a seat receiving said lug, and the upper face of the bearing block being formed with transversely extending recesses spaced from each other longitudinally of the block and constituting seats adapted to rotatably receive a journal of a roller.

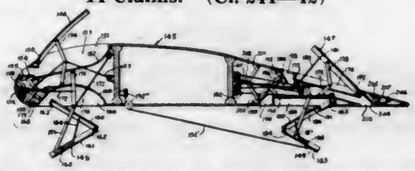
2,070,704
BOX MAKING MACHINE
Nels A. Anderson, Stockton, Calif., assignor to Fibreboard Products, Inc., San Francisco, Calif., a corporation of Delaware
Application April 13, 1936, Serial No. 74,118
14 Claims. (Cl. 93—36)

1. A machine for applying tabs to a blank, comprising means for feeding a tab into a fastening

position, an intermittently moving conveyor for feeding a blank into the machine, means operative during a rest period of the conveyor for moving the blank into registration with the tab, and means for fastening the tab to the blank.

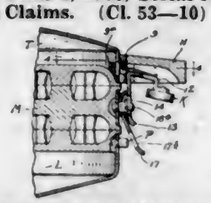


2,070,705
AIRPLANE CONSTRUCTION
George E. Barnhart, Pasadena, Calif.
Application September 28, 1935, Serial No. 42,593
14 Claims. (Cl. 244—42)



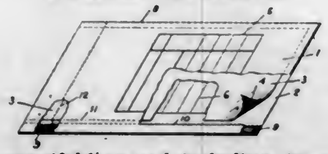
2. The combination of an airfoil including a leading edge and a trailing edge, and a vane member, said vane member comprising a pair of sections hinged together, means to pivotally secure one of said vane sections to said airfoil so that said one section may fold upon the airfoil, said wing having a channel extending therethrough, said channel including an opening closely in advance of said vane whereby the vane when in open position increases the air flow through said channel, said channel having an exit in the rear of said vane, and means to swing said vane member outward from a position upon the airfoil.

2,070,706
DUPLEX ELECTRIC WAFFLE IRON
Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 1, 1936, Serial No. 82,741
16 Claims. (Cl. 53—10)



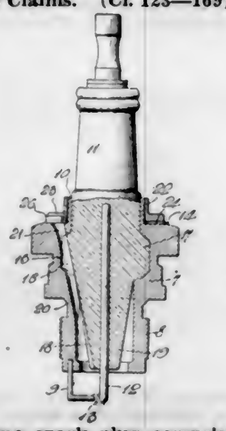
1. Selective section-interlatching means for a waffle iron of the class in which a middle section is hinged at the same side of the iron both to a bottom and a top section, comprising: two relatively superposed elements projecting at the opposite side of the iron respectively from the said middle and bottom sections; a lower and generally upright lever pivotally supported by the middle section and continually urged by gravity into hooking relation to the element projecting from the bottom section; an upper lever pivotally supported by the top section and having a portion thereof normally hooking under the element projecting from the middle section; the two levers having interengaging portions disposed so that the action of gravity on the lower lever normally causes the latter to hold the upper lever out of hooking relation to the element projecting from the middle section; and the upper lever being adapted to be digitally movable out of its said normal hooking relation, thereby permitting gravity to have the recited action on the lower lever.

2,070,707
MANIFOLDING DEVICE
Edward K. Bottle, Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application September 12, 1929, Serial No. 392,045
Renewed May 4, 1932
4 Claims. (Cl. 282—22)



1. A manifolding pad including, in combination, a stub, relatively superposed sets of relatively superposed manifolding record leaves, each set including two superposed record leaves with an intervening carbon sheet, said two leaves, in each set, including a longitudinally folded sheet the ends of the folds of which are connected to each other to form a pocket enclosing said carbon sheet, each set including its carbon sheet, forming a part of the pad stub.

2,070,708
SPARK PLUG
James Isaac Brokaw, New York, N. Y.
Application May 4, 1936, Serial No. 77,837
2 Claims. (Cl. 123—169)



1. An engine spark plug comprising a metal body having an electrode at its lower end, a central electrode-carrying insulator secured in said body, said body and insulator being jointly formed with a straight inclined downwardly flared passage which opens through the upper end of said body and through the lower end of said insulator, said passage consisting primarily of one groove in the periphery of the insulator and a registering groove in the inner side of the body, the remainder of said passage being formed by a short opening extending from the insulator groove to the upper end of the body, said passage being so located and of such size that the spark gap of the plug and the spark may be viewed therethrough when the cold engine is cranked slowly by hand, and means for closing said passage until the spark is to be visually inspected or the plug is to be tested with the motor running.

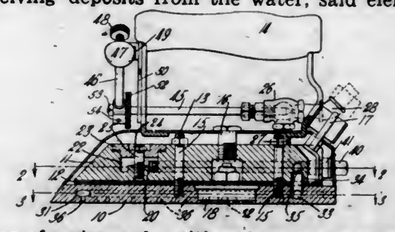
2. In an engine spark plug having a body, a central insulator secured in and projecting above said body, an externally threaded neck projecting upwardly from said body around said insulator, a flat upper surface on the body around said neck, and a passage which opens through said flat upper surface; a valve ring threaded upon said neck and having a peripheral notch to register with said passage when said valve ring is turned, and a flat transversely split seat ring interposed between said valve ring and said flat face of the body, the gap between the ends of said seat ring being in registration with said notch, said ends of said seat ring being bent upwardly and providing lugs which lie against opposite sides of said notch to interlock said seat ring and said valve ring for unitary rotation.

2,070,709
HYDRAULIC SHOCK ABSORBER
William Alfred Carter, Romford, England, assignor of three-tenths to Donald Ian Menzies Kennard and three-tenths to John Reynolds Alexander, both of London, England
Application March 17, 1934, Serial No. 716,195
In Great Britain March 20, 1933
14 Claims. (Cl. 188—89)

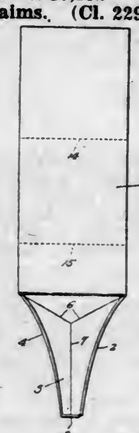
13. A hydraulic shock absorber comprising a liquid containing working chamber, a reservoir partly enveloping and forming a jacket for the working chamber, a piston element arranged within the working chamber, a passage interconnecting the reservoir with that part of the working chamber on one side of the piston, a further passage interconnecting the reservoir with that part of the working chamber on the other side of the piston, a liquid make-up chamber arranged above the working chamber and isolated from direct communication with the reservoir, a passage between the liquid make-up chamber and the working chamber, and a valve associated with the last mentioned passage which normally precludes the movement of liquid from the working chamber into the liquid make-up chamber.

2,070,710
STEAM DISCHARGE PRESSING DEVICE
Frederick J. Clark, Buffalo, N. Y., assignor to Steam Pressing Iron Company, Buffalo, N. Y.
Application January 3, 1935, Serial No. 253
10 Claims. (Cl. 38—77)

1. A pressing device comprising a body having a chamber with an opening thereinto, a closure for said opening movable to uncover the opening, means for heating water in said chamber to generate steam, and an element in said chamber for receiving deposits from the water, said element being of a size and positioned in the chamber to project out through said opening when said closure is moved to uncover the opening and being removable from the chamber through said opening.



2,070,711
CONTAINER
Anthony P. Costa and Joseph Costa, Jr., Athens, Ga.
Refiled for abandoned application Serial No. 664,662, April 5, 1933. This application May 16, 1936, Serial No. 80,182
2 Claims. (Cl. 229—37)

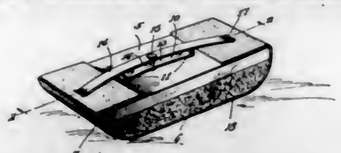


2. A container of the class described constructed of a folded blank and having walls two of which converge at their lower ends and a second two of which have their lower portions foldable inwardly toward one another between the lower portions of the first two walls, a flap on the lower end of one of the first two walls for closing the bottom of the container, flaps on the upper ends of all of said walls for closing the top of the container, said container having the walls thereof scored to form prescribed lines of severance permitting the container to be reduced in size of tearing off portions thereof along said lines of severance.

2,070,712
CLEANING AND POLISHING DEVICE
George G. Davis, Eugene, Oreg.
Application June 9, 1936, Serial No. 84,380
4 Claims. (Cl. 51—187)

1. A device of the class described comprising a holder having a pad secured to the lower surface thereof, a strip of abrading material extending over the pad and bearing against the top of the holder, a bracket secured to the top of the

holder and provided with terminal upstanding fingers constituting fulcrums, a pin extending through the intermediate portion of the bracket,



and a leaf spring loosely mounted on the pin and normally spaced vertically from the fingers, said spring having its opposite ends frictionally engaging the abrasive strip.

2,070,713

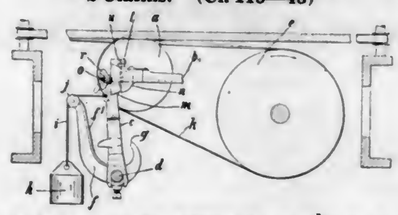
TAPE DRIVE FOR THE SPINDLES OF SPINNING AND DOUBLING FRAMES

John Samuel Dodd, Werneth Park, Oldham, England, assignor to Samuel Dodd & Sons Limited, Oldham, England, a British company

Application April 3, 1936, Serial No. 72,656

In Great Britain April 10, 1935

2 Claims. (Cl. 118—48)



1. A jockey pulley assembly for use in a tape drive for the spindles of a spinning and doubling frame, comprising a pulley, a frame in which said pulley is journalled, a hemispherical ball and socket joint, one member of said joint being rigid with said pulley frame, a lever rigid with the second member of said joint, means for mounting said lever to pivot about a support, stops to limit the pivoting movements of said lever, a counterweight to move said lever in one direction towards one of said stops, a slot inclined to the axis of the pulley in one member of the ball and socket joint, a pin secured to the other member passing through said slot, and means upon said pin to clamp both members of said joint together.

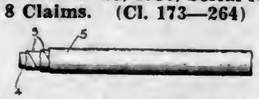
2,070,714

INSULATED MATERIAL AND METHOD OF MAKING THE SAME

Camille Dreyfus, New York, N. Y.

Application October 25, 1930, Serial No. 491,315

8 Claims. (Cl. 173—264)



1. Articles comprising an electric conductor having a covering of an insulator which comprises an impervious outer layer, consisting solely of an organic derivative of cellulose composition, enclosing separable windings consisting solely of strips of foil of the same composition.

2,070,715

TREATMENT OF THREADS AND THE LIKE WITH LIQUIDS

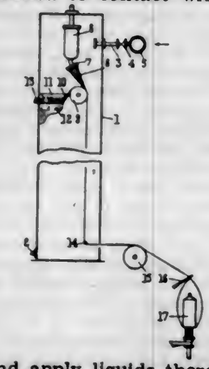
Henry Dreyfus, London, England

Application October 18, 1932, Serial No. 638,266

In Great Britain October 26, 1931

5 Claims. (Cl. 18—8)

1. Apparatus for the production of artificial filaments, threads, yarns and the like by dry spinning processes, comprising a spinning cell, a spinning jet in the cell, freely mounted rotatable means positioned to contact with the artificial



materials and apply liquids thereto, and means for supplying liquid to a portion of the rotatable means which is out of contact with the artificial materials.

2,070,716

TREATMENT OF ARTIFICIAL FIBROUS MATERIALS

Henry Dreyfus, London, England

Application October 18, 1932, Serial No. 638,267

In Great Britain November 2, 1931

2 Claims. (Cl. 8—20)



1. In a process wherein filaments, threads, yarns and like material having an organic derivative of cellulose base are softened, the steps of causing said materials to run below and in nearly tangential contact with the root of a peripheral groove in a cylindrical surface adapted to be rotated about its longitudinal axis by said materials, and maintaining a body of softening liquid for the base of said materials in such a position that its surface is below the lowest point of the root of said groove but above the lowest point of the peripheral edges of said groove, whereby said groove is kept supplied with softening liquid, the main body of softening liquid being kept out of contact with the materials.

2,070,717

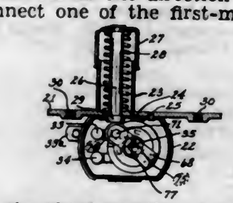
ELECTRICAL SWITCH

William C. Edwards, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 1, 1934, Serial No. 750,960

4 Claims. (Cl. 200—11)

1. In an electric switch of the class described, the combination comprising; a non-conducting support carrying a terminal post, said support having a plurality of arc-shaped ratchet recesses arranged concentric with the post; a pair of stationary contacts fixed to the support, each contact having an arm disposed in two adjacent recesses; a third stationary contact fixed to the support and having a positive electrical connection with the post, said contact having a pair of integral arms disposed in two adjacent recesses opposite the first-mentioned recesses to provide a plain recess between stationary contacts and the arms, a rigid bridging member rotatably supported by the post and having a plurality of contact fingers, said fingers operating to connect one of the first-mentioned contacts with the third-mentioned contacts to complete a circuit; means for producing a step-by-step rotation of the bridging member in one direction only to alternately connect one of the first-mentioned con-



tacts with the third-mentioned contact to close a selective circuit; and spring means for urging the bridging member toward the support there being a stop in each recess in which one of the stops is engaged by one of the fingers to prevent a return movement of the bridging member when same is moved in the direction to close a circuit.

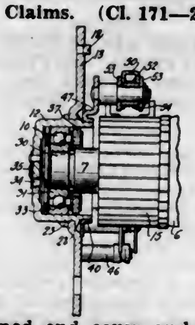
2,070,718

DYNAMO-ELECTRIC MACHINE FRAME

Louis B. Ehrlich, Toledo, Ohio, assignor to The Electric Auto-lite Company, Toledo, Ohio, a corporation of Ohio

Original application July 23, 1930, Serial No. 470,123. Divided and this application June 11, 1935, Serial No. 26,031. In Canada October 16, 1930

4 Claims. (Cl. 171—252)



1. A combined end cover and brush support for a dynamo-electric machine comprising a sheet metal member formed with a section having a plurality of spaced struck-up projections forming a mutilated flange, said member being provided with a central opening; a bearing supporting element having its outer walls tightly engaging said opening for fixedly securing the element to said member; an integral tubular section formed on said bearing element adapted to project through the opening of said sheet metal member, said element being secured to said sheet metal member so that said tubular section is concentric with said multilated flange; a plurality of posts fixed to the sheet metal member radially equidistant from the axis of said bearing, each post supporting a bracket adapted to carry a dynamo brush and an adjustable brush supporting ring journalled upon the integrally projecting tubular section of said bearing supporting element.

2,070,719

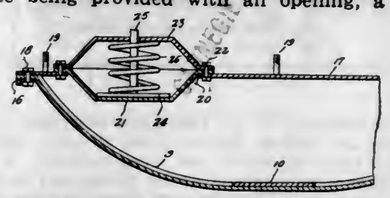
PNEUMATIC SPRING

Stanley J. Eisin, Chicago, Ill.

Application June 13, 1936, Serial No. 85,149

4 Claims. (Cl. 267—35)

1. A pneumatic spring comprising a flexible casing having a shape corresponding substantially to the shape of one section of a longitudinally divided egg shell, and having an annular flange at the upper edge thereof, a top plate, a clamping band extending about the casing and cooperating with the marginal edge of the top plate for clamping the flange of the casing between said band and the top plate, said casing being provided in the bottom thereof with means for attachment of the casing to the front axle or rear axle housing, optionally, of a motor vehicle and said top plate being provided with means for securing the top plate to the body frame of the automobile, said top plate being provided with an opening, a dia-



phragm extending into the casing through said opening and having at its top side a marginal flange resting on the top plate, a hood member having a flange resting on the flange of the diaphragm, bolt means engaging the flanges of the diaphragm and hood and extending through the top plate for securing the diaphragm and hood in position, a disk engaging a center portion of the diaphragm and having a stem extending upwardly through an opening in said hood and a spring disposed about said stem and having an end bearing against the disk and a second end bearing against said hood.

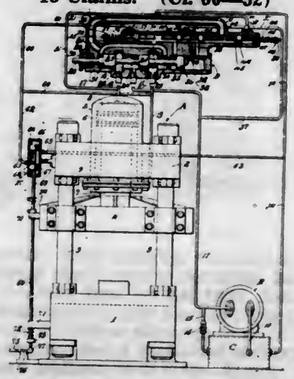
2,070,720

HYDRAULIC PRESS OPERATING CIRCUITS AND VALVES THEREFOR

Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

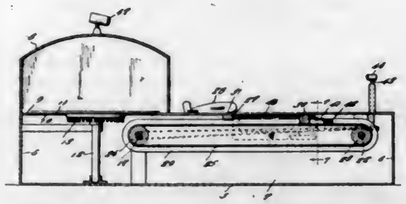
Application December 18, 1931, Serial No. 581,985

15 Claims. (Cl. 60—52)



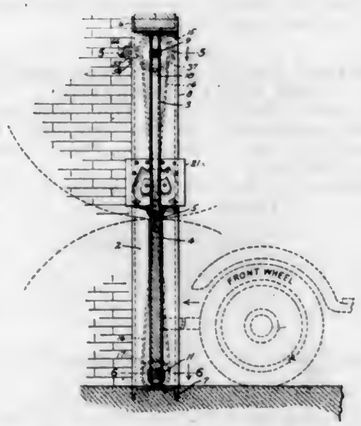
1. The combination with a hydraulic press including double-acting ram means; of a pump; means forming a hydraulic press-operating circuit with said press and pump; a pressure responsive reversing valve in said circuit; a pressure responsive flow-controlling pilot valve having its valve chamber connected to said press-operating circuit for controlling operation of said reversing valve; and a ram operated by-pass valve connected to said press-operating circuit for controlling communication between said press operating circuit on one side of said ram means and the intake side of said pump.

2,070,721
CATAPULT
Charles Donald Feight, Glassport, Pa.
Application August 14, 1936, Serial No. 96,109
5 Claims. (Cl. 244—63)



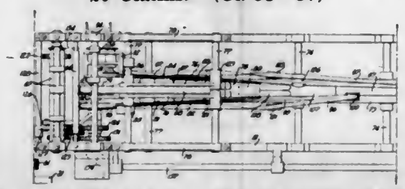
1. A catapult of the character described comprising an endless belt, a cross-member, spring means for connecting the cross-member to the belt, means for feeding aerial projectiles so that they are engaged by the said cross-member, and means for tensioning the said cross-member and releasing the same at predetermined intervals of its travel.

2,070,722
GARAGE DOOR
Herman A. Finke, St. Louis, Mo.
Application September 11, 1935, Serial No. 40,181
9 Claims. (Cl. 268—37)



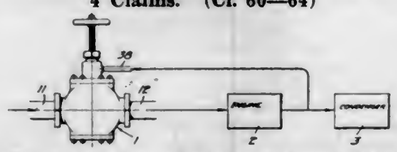
1. An automobile garage door comprising a plurality of sections, connections between said sections such that all of said sections will be moved to open position when one of said sections is turned by contact with a moving automobile, said connections including a cable drum mounted upon the axis of each door section and a continuous cable frictionally engaging said drums; means for automatically closing said sections after the automobile has completely passed the opened sections; and means for slowing the closing of said sections, said means including a brake drum concentrically but loosely mounted upon one of the cable drums, portions of the concentric drums having eccentric relation therebetween, governor mechanism operable by the brake drum, and a slidable wedge for automatically locking said brake drum to its associated cable drum just prior to said sections assuming their full opened positions.

2,070,723
METHOD AND APPARATUS FOR MAKING FILLERS
George F. Ford, Beverly Hills, and Walter F. Pittman, Huntington Park, Calif., assignors to Fibreboard Products, Inc., San Francisco, Calif., a corporation of Delaware
Application December 17, 1935, Serial No. 54,818
20 Claims. (Cl. 93—37)



1. A machine for making a collapsed filler from a blank having parallel crease lines, comprising means for gathering together a portion of the blank between a pair of said crease lines to form a gusset, means for gathering together another portion of the blank between a second pair of crease lines to form another gusset, means for folding one of the gussets inwardly against the blank and simultaneously folding an edge of the blank inwardly over the folded gusset, and means for folding the other gusset over the first gusset and simultaneously folding the other edge of the blank inwardly over both gussets.

2,070,724
FLUID REGULATOR
James Howard Frickie, San Francisco, Calif.
Application October 21, 1933, Serial No. 694,559
4 Claims. (Cl. 60—64)



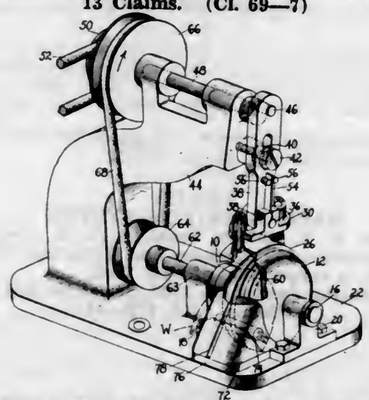
1. In apparatus of the character described, a prime mover, a pressure regulator connected between a source of high pressure steam and the prime mover, said regulator serving of itself to maintain the pressure of steam applied to the prime mover substantially constant, and a back pressure connection from the exhaust side of the prime mover to the regulator, to serve to modify the action of the regulator.

2,070,725
SEALING STRIP
George W. Gail, Ruxton, Md.
Application May 8, 1935, Serial No. 20,499
10 Claims. (Cl. 20—69)



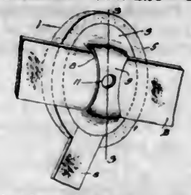
1. In a sealing strip, the combination with a flexible portion provided with an anchoring flange, of a base member comprising inner and outer members adapted to embrace opposite sides of said flange respectively, means for securing said members together in interlocking relation with said flexible member and means provided in said base member for securing the sealing strip in operative position.

2,070,726
METHOD OF AND MACHINE FOR FINISHING SEAMS
Dankmar Hallbauer, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 14, 1935, Serial No. 36,176
13 Claims. (Cl. 69—7)



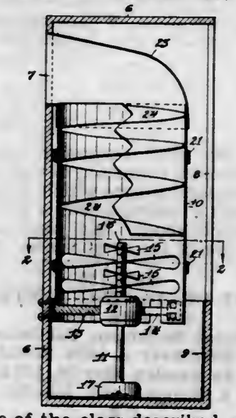
1. In a seam-finishing machine, work-supporting members spaced to receive a seam ridge therebetween and arranged to prevent lateral displacement of the seam ridge, a pressing member for holding portions of the work-piece adjacent to the seam ridge against said supporting members, a seam-ridge-reducing member cooperating with said pressing member to apply pressure to the seam ridge heightwise thereof to successive portions in progressively increasing amounts, and means for operating said pressing member to impart a feed movement to the work-piece.

2,070,727
ELASTIC PAD FOR SPRINGLESS HERNIA BANDAGES
Friedrich Albert Hamann, Velp, Netherlands
Application September 27, 1935, Serial No. 42,523
In the Netherlands October 6, 1934
4 Claims. (Cl. 128—117)



1. In a springless hernia truss comprising a hollow elastic oval shaped pad having one face convexed and the edges of said face being inturned, forming a flange, grooved on its periphery, a base plate of stiff material closing the base of the pad and set in said groove, said base plate being formed with a threaded opening in a substantially central portion thereof, an arched cover plate of rigid material with the surface of which a supporting belt engages, said cover plate being of less dimensions than the elastic pad and having edges which contact with the inturned flange of said pad and formed with a transverse slot therein in which a belt may slidably extend, and an opening in said cover plate below said belt slot, and a screw extending through said last mentioned opening and engaging in said threaded opening in said base plate whereby the base plate may be caused to bind the rubber of said pad between it and said base plate and exerting a substantial uniform pressure over the whole surface of the rubber pad when being worn.

2,070,728
PORTABLE HUMIDIFIER
Hugo H. Hanft, St. Paul, Minn.
Application February 23, 1934, Serial No. 712,472
1 Claim. (Cl. 261—88)

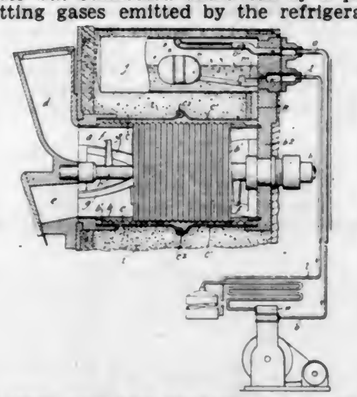


In a device of the class described, a cylindrical well having an outlet for air at its upper end and an inlet for air at its lower end, a hollow, axial shaft mounted in said well, means for supplying water under pressure to the lower end of said shaft, a series of vertically spaced fan blades fixed on said shaft within the lower portion of said well, said shaft having an outlet opening for water disposed above the uppermost of said blades to allow flow of water down along the exterior of said shaft to the several blades, a helical baffle fixed in the upper portion of said well in coaxial relation to said shaft, the convolutions of said baffle being widely spaced and having a pitch such that the velocity of the air is not greatly reduced and power-driven means for rotating said shaft.

2,070,729
APPARATUS FOR COOLING AND FREEZING FOOD PRODUCTS
Chester A. Harsch and Dale A. Fingerhooth, Portland, Oreg.
Application July 26, 1935, Serial No. 33,351
8 Claims. (Cl. 62—114)

1. An apparatus for cooling and freezing food products including a compressor; a freezing chamber; a jacket encompassing the walls of said freezing chamber, the annular space inclosed by said jacket about the freezing chamber having a small cross section, said inclosed space constituting a refrigerant holding chamber and being adapted to hold only a relatively small volume of refrigerant; means, including a control valve, for keeping the space inclosed by said jacket constantly filled with liquid refrigerant while the apparatus is operating, said refrigerant holding chamber being divided into two, outer

and inner, connected, concentric annular sections; an expansion chamber apart from said annular sections of said refrigerant holding chamber but connected therewith by a passage permitting gases emitted by the refrigerant to



pass freely into said expansion chamber, said expansion chamber composed of two annular concentric connected sections which inclose, and are connected with a central space; a perforated pipe located in such space, said pipe connected to the suction side of the compressor.

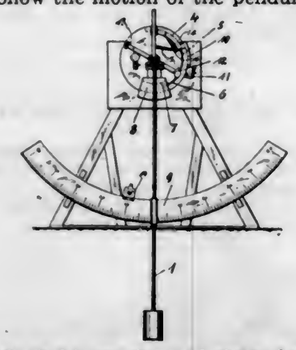
2,070,730
METHOD OF PRODUCING TEETH ON FILES OR THE LIKE
Axel Waldemar Hellström, Eskilstuna, Sweden
Application December 5, 1934, Serial No. 756,158
In Sweden May 28, 1934
4 Claims. (Cl. 76—24)



1. A method of producing files and the like having teeth arranged in a tortuous path longitudinally of the file comprising making a plurality of successive cuts with a pointed cutting tool along a tortuous path in a direction longitudinal of the file blank to form a tortuous continuous longitudinally-extending cutting edge and forming similar tortuous longitudinal cutting edges one at a time across the surface of said blank.

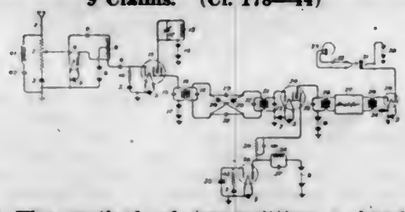
2,070,731
DEVICE FOR MEASURING THE ELASTIC PROPERTIES OF MATERIALS
Hans-Joachim Henning, Leipzig, Germany, assignor to Rudolf Knote, Leipzig, Germany
Application January 25, 1935, Serial No. 3,460
In Germany February 14, 1934
4 Claims. (Cl. 265—13)

1. In a device of the kind described the combination of a frame, a pendulum swinging in said frame, a carrier at the upper shorter end of the pendulum, a U-shaped member movably secured to the end of said carrier, a double lever coaxially arranged with the pendulum, a piston carried by one end of the double lever and adapted to be engaged by a side member of said U-shaped member to follow the motion of the pendulum, and a



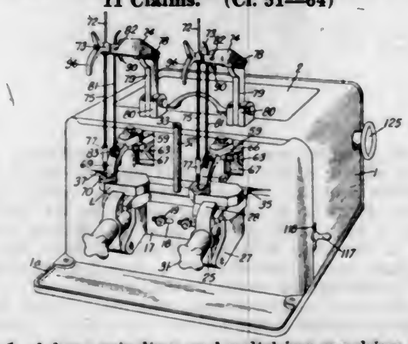
casing adapted to receive said piston for the compression of material in said casing.

2,070,732
RADIO RECEIVING SYSTEM
William H. T. Holden, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 30, 1932, Serial No. 631,091
9 Claims. (Cl. 178—44)



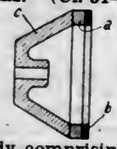
4. The method of transmitting a band of speech signals through a band filter including a piezo-electric crystal of high natural period which consists in raising the frequency components of the speech signals to such a high range that the raised high frequencies will all correspond to the frequencies at which the piezo-electric crystal of the filter exhibits a positive reactance, all of said raised frequencies being substantially freely transmitted, and transmitting only these raised frequency components through the filter.

2,070,733
LENS GRINDING AND POLISHING MACHINE
Lowell L. Houchin, Columbus, Ohio
Application June 12, 1936, Serial No. 84,835
11 Claims. (Cl. 51—64)



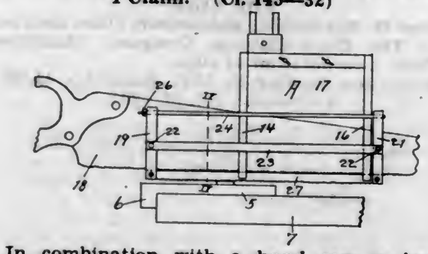
1. A lens grinding and polishing machine comprising a lap holder and a lens holder movable relative to each other, means for moving the lap holder in a straight line only in one direction relative to the lens holder, means for moving the lens holder in a straight line only relative to the lap holder in a different direction and at an angle to the line of movement of the lap holder, both of said means operating simultaneously, and means for automatically varying the movement in one direction produced by one of said preceding means.

2,070,734
PROCESS OF MANUFACTURING GRINDING TOOLS
Philipp Voegeli-Jaggi, Bern, Switzerland
Substitute for application Serial No. 725,795, May 15, 1934. This application February 19, 1936, Serial No. 64,782. In Switzerland April 27, 1934
12 Claims. (Cl. 51—280)



2. A grinding body comprising diamond particles, graphite and ferric oxide bonded into a unitary mass by an artificial resin.

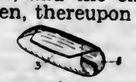
2,070,735
HACKSAW SUPPORT AND GUIDE
Ernest G. Jaques, San Francisco, Calif.
Application October 28, 1935, Serial No. 47,112
1 Claim. (Cl. 145—32)



In combination with a hand saw, a brace spaced from said saw and parallel thereto, pivot bolts extending through the ends of said brace and the blade of said saw, parallel members one mounted on each of said pivot bolts and between said saw and said brace, spacer blocks mounted on each of said bolts and in contact with said saw, the lower end of said spacer blocks and their adjacent parallel members being connected together, a second saw carried by said connected ends and lying in the same plane as said first mentioned saw, and means carried by the upper ends of said parallel members for tensioning said second mentioned saw.

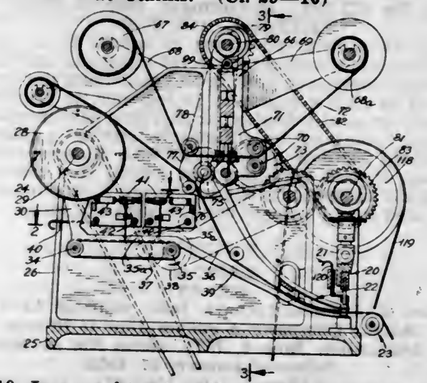
2,070,736
METHOD OF COVERING ARTICLES WITH WRAPPERS
Bror Anders Emil Johnson, Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a corporation of Sweden
Application January 23, 1935, Serial No. 3,151
In Sweden January 29, 1934
2 Claims. (Cl. 93—2)

1. A method of covering articles with wrapper, which includes bending opposite edge portions of a sheet wrapper to a trough shape embracing the article, leaving said edge portions extending and spaced apart, and the end portions of the bent wrapper open, thereupon pinching said end



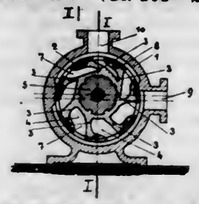
portions to collapse them and tucking them in between the extending edge portions about the article, and subsequently bending said edge portions over the article about the tucked end portions.

2,070,737
MEANS FOR AFFIXING RHINESTONES OR THE LIKE UPON FABRICS
Jacob Kahan, Bronx, N. Y.
Application February 26, 1935, Serial No. 8,248
10 Claims. (Cl. 29—10)



10. In a machine for affixing rhinestones or the like in multiple setting formation upon a fabric; a group of companion setting dies and a series of conveyors in said machine; said machine also having means contained therein for forming and delivering bezel base caps in correct time relation with the delivery of said rhinestones from said series of conveyors to said group of companion setting dies preparatory to being affixed upon said fabric; and photo-electric unit means having a light source, said photo-electric unit means included in an electric circuit having a power source, electro-magnetic means included in said electric circuit to cause the rejection of such rhinestones that shall have been deposited upon said delivery conveyor in a manner precluding proper setting position upon said companion dies preparatory to being affixed upon the fabric aforesaid.

2,070,738
PUMP WITH CAM DRIVE
Wilhelm Klein, Wuppertal-Beyenburg, Germany
Application August 13, 1935, Serial No. 36,031
In Germany January 3, 1934
2 Claims. (Cl. 103—21)



1. In a pump with eccentric drive shaft and working chambers arranged about said eccentric

shaft in star-shape in a ring-shaped hollow pump body a single element made of elastic material forming the hollow ring-shaped pump body, and a plurality of radial partitions subdividing said pump body into working chambers each said working chamber being provided with an opening towards the outer periphery of the ring, said element being fixed on the eccentric shaft.

2,070,739

VAT DYESTUFF PREPARATION IN POWDER FORM ESPECIALLY SUITABLE FOR PRINTING

Carl Krauss and Max Pommer, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 26, 1933, Serial No. 677,764. In Germany July 23, 1932
8 Claims. (Cl. 8—6)

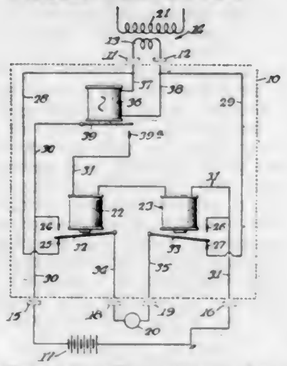
1. Printing preparations in powder form consisting of a mixture of a vat dyestuff, addition agents capable of wetting and dispersing the dyestuff to such a degree as to enhance its printing qualities, and a fixation accelerator, said mixture being obtained by intimately mixing a finely divided paste of the dyestuff with aqueous solutions of said additions and drying the mixture rapidly by spraying it and causing a current of a heated gas to come in contact with the spray.

2,070,740

RELAY

Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois

Application June 8, 1932, Serial No. 616,091
Renewed January 27, 1936
7 Claims. (Cl. 171—97)



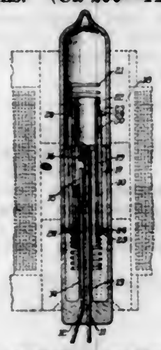
4. In a railway signalling system, the combination of a primary source of electrical energy, a load connected to said source, an auxiliary source of electrical energy, means for transferring the load from the primary source to the auxiliary source under pre-determined condition, said means including an electromagnetic switch, and a control switch responsive to conditions in the primary circuit for energizing the electromagnetic switch whenever the primary source of electric energy falls below a pre-determined standard, said electromagnetic switch comprising a coil, front and back contacts in the auxiliary and primary circuits respectively, hermetically sealed from the atmosphere, mercury associated with said contacts, and means controlled by the coil for determining which of said contacts is in electrical connection with the load, said coil being energized from said auxiliary source.

2,070,741

MERCURY SWITCH

Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois

Application October 17, 1934, Serial No. 748,584
4 Claims. (Cl. 200—112)



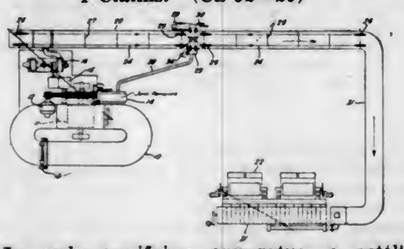
1. In a mercury switch, a stationary envelope, lead-in wires sealed through the envelope, a charge of mercury within the envelope, a displacer for the mercury including an iron sleeve and a sleeve of insulating material and electrodes connected with the lead-in wires and spaced apart but close together within the insulating sleeve, said insulating sleeve substantially inhibiting the passage of stray current through the iron sleeve.

2,070,742

APPARATUS FOR MAKING PULP OR THE LIKE

Homer D. Martindale, Middletown, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio

Application October 11, 1935, Serial No. 44,595
4 Claims. (Cl. 92—20)



1. In pulp purifying apparatus, a settling trough having a portion for receiving settled impurities, means moving in said trough for carrying settled impurities in the direction of stock flow into said portion, additional means moving in said trough in opposition to the direction of stock flow for moving settled impurities into said portion.

2,070,743

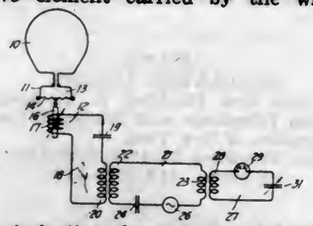
ELECTRICAL INDICATING APPARATUS

James W. McDonnell, Palo Alto, Calif.

Application April 12, 1933, Serial No. 665,707
2 Claims. (Cl. 177—351)

1. In electrical apparatus for indicating the pressure of pneumatic tires on motor vehicles, an oscillatory circuit carried by a wheel of the vehicle, means responsive to the pressure of the tire on said wheel for varying the tuning of said circuit, means including a source of oscillatory energy carried by the body of the vehicle for indicating variations in said tuning, and means serving to

electrically couple the oscillatory circuit with said last means, said coupling means including one inductive element carried by the wheel and



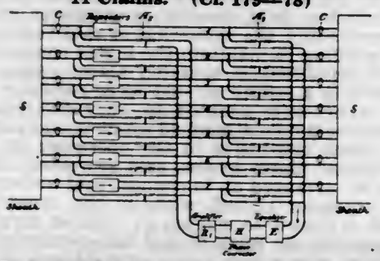
another inductive element carried by the body, said elements being spaced with respect to direct electrical contact but being electrically associated for transfer of oscillatory energy.

2,070,744

CROSSTALK REDUCTION IN COMMUNICATION SYSTEMS

Harry Nyquist, Millburn, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application August 27, 1935, Serial No. 38,101
11 Claims. (Cl. 179—78)



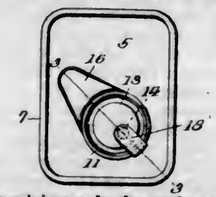
1. In a plurality of more than two transmission lines each giving crosstalk to the others and containing repeaters, the method of eliminating crosstalk which consists in rendering the exposure of each line to the others the same for each line and supplying to each line at the input of a repeater a definite amount of power from the output of the repeaters of all the other lines of such magnitude and such phase relationship as to neutralize crosstalk therein from the other lines.

2,070,745

CONTAINER WITH ROTATABLE SPOUT

Frank J. O'Brien and Henry A. Fink, Pelham Manor, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application November 5, 1936, Serial No. 109,376
1 Claim. (Cl. 221—11)



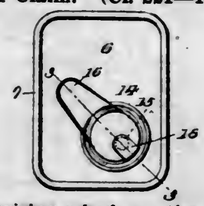
A can comprising a body and a can top having a mouth with an upstanding outwardly tapering flange and a cuplike bung adapted to fit within said mouth and contact with said flange, said bung having a skirt overlying said flange and contacting with the outer face thereof for sealing the bung to the can top, said bung having a raised central portion expanded at its upper portion to provide an overhanging ledge, a spout having a projecting pouring lip and a portion fitting beneath said ledge for securing the spout to the bung while permitting said spout to rotate in said bung, said raised portion having a section thereof scored for removal to provide a pouring opening, and said spout having means for covering said opening when turned to a position within the limits of the can top and uncovering said opening when said spout is in pouring position.

2,070,746

CONTAINER WITH ROTATABLE SPOUT

Frank J. O'Brien and Henry A. Fink, Pelham Manor, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application November 5, 1936, Serial No. 109,377
1 Claim. (Cl. 221—11)



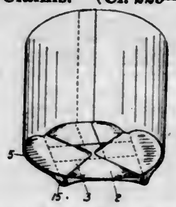
A can comprising a body portion and a can top having a mouth with an upstanding outwardly tapering flange and a cuplike bunk adapted to fit within said mouth and contact with said flange, said bung having an overhanging skirt provided with a depending portion snugly fitting the outer face of said upstanding flange for sealing the bung to the can, said bung having a central raised portion scored to provide a removable section for forming a pouring opening, and a spout having a pouring lip and a depending flange surrounding the skirt of the bung and contacting with the outer face thereof for rotatably securing said spout to the bung, said spout having an integral projecting member overlying and contacting with said raised portion and disposed so as to cover the pouring opening when the spout is turned to a position within the limits of the can top, and uncovering said opening when the spout is turned to pouring position.

2,070,747

RECEPTACLE

Gustaf Örström, Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a corporation of Sweden

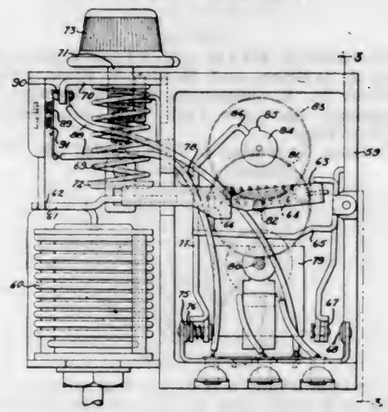
Application January 26, 1934, Serial No. 708,481
In Sweden February 2, 1933
5 Claims. (Cl. 229—37)



1. A receptacle having a tubular body and a bottom end which is sealed by folded end portions of the tubular body comprising flaps having folded edges, and a plurality of projections each

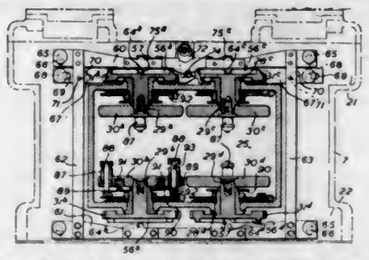
constituting an extension of said tubular body at the juncture between one of said edges and said tubular body leaving depressions between said edges.

2,070,748
REFRIGERATING APPARATUS
George C. Pearce, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application November 30, 1932, Serial No. 645,021
6 Claims. (Cl. 62—4)



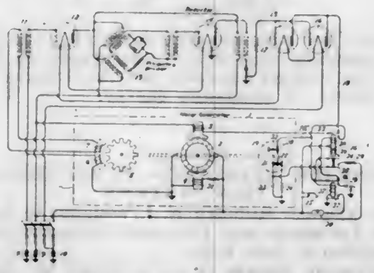
1. Refrigerating apparatus including a refrigerating liquefying means and a refrigerant evaporating means, means for controlling said apparatus for normally maintaining said evaporating means at water freezing temperatures, chronometric means for effecting the control of the apparatus for periodically raising the temperature of the evaporating means above water freezing temperatures, manual means operable at will for effecting the control of the apparatus for temporarily lowering below normal the temperature of the evaporating means, and means rendered effective by said manual means for rendering the chronometric means ineffective for varying the temperature of the evaporating means.

2,070,749
SHUTTLELESS LOOM
William Pool, Spondon, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application September 5, 1935, Serial No. 39,201
In Great Britain September 14, 1934
5 Claims. (Cl. 139—126)



1. Weft-measuring apparatus of the type described, comprising four trapping means arranged in two pairs, four latches adapted to lock each of the four trapping means respectively, a rigid frame carrying the latches in pairs, and means to move the frame in one direction or the other to free one pair of trapping means and lock the other.

2,070,750
REGULATOR SYSTEM
Wilton Treat Rea, Flushing, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 27, 1934, Serial No. 755,064
2 Claims. (Cl. 171—312)



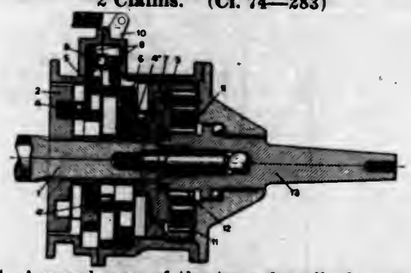
1. In a speed regulator system, a motor having a regulating field winding, a regulator circuit for controlling the excitation of said regulating field winding to maintain the motor constant in speed, centrifugally operated alarm means responsive to a failure of said speed regulator circuit, a network adapted to vary the current through said regulating field winding, and switching means responsive to the operation of said centrifugal alarm means, said switching means being so arranged as to connect said network to said regulator circuit, whereby the centrifugal alarm is caused to operate as a speed regulator to maintain the speed of said motor substantially constant over a wide range of variations of load or power voltage.

2,070,751
EXPANSIBLE DIAPHRAGM AND METHOD OF MAKING SAME
Wladimir A. Reichel, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 22, 1932, Serial No. 588,223
4 Claims. (Cl. 137—156)



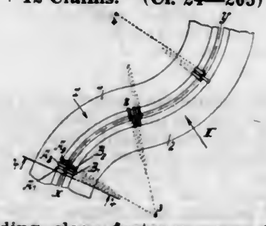
1. An expansible diaphragm device comprising means providing a chamber and including a supporting shell, a diaphragm closing said chamber and movable in response to a difference in pressure at opposite sides of the diaphragm, said diaphragm having a peripheral flange portion inclined at an angle toward the normally preponderating pressure side of said diaphragm, and an annular connection between said flange portion and the shell, said connection comprising sealing material within the annular space defined by the peripheral edge of the shell and the inclined flange portion of the diaphragm so that the sealing material is not susceptible to tension due to movements of the diaphragm occasioned by pressure preponderance changes of the device as long as the normal relation or direction of preponderance is maintained.

2,070,752
FREEWHEEL DEVICE FOR ELIMINATING THE REACTION EFFECTS OF A DIFFERENTIAL GEAR
Georges Roès, Paris, France
Application May 26, 1936, Serial No. 81,923
In France July 31, 1935
2 Claims. (Cl. 74—283)



1. A speed gear of the type described comprising in combination a driving shaft, a driving plate and a planet carrier, both rigid with the said driving shaft, a driven shaft, a pinion formed at the end of the latter, a crown wheel concentric to the driven shaft, intermediate plates interposed between the driving plate and the crown wheel and actuating means interposed respectively between the driving plate and the first intermediate plate on one side, between the intermediate plates on the other side, the last intermediate plate and the crown wheel on the third side, a free wheel device interposed between the planet carrier, one of the intermediate plates and the crown wheel, whereby the latter cannot, at any moment, rotate more rapidly than the said intermediate plate.

2,070,753
SLIDING CLASP FASTENER FOR FABRIC EDGES JOINING IN A CURVED LINE
Franz Schatzky, Breslau, Germany
Application April 7, 1934, Serial No. 719,509
In Germany May 6, 1932
12 Claims. (Cl. 24—205)



2. A sliding clasp fastener comprising fabric edges abutting along a curve with definite large curvature radius fastener members fixed on the fabric edges, and a slider adapted to interlock and disengage said members, said slider having elastic side walls and a guide wedge freely movable in the medium position towards the one or other longitudinal side wall.

2,070,754
RESPIRATOR, GAS MASK, AND THE LIKE
Nathan Schwartz, New York, N. Y.
Application November 21, 1935, Serial No. 50,848
4 Claims. (Cl. 128—146)

1. A filter type respirator having a body of gas impervious material provided with an opening adjacent to the nose and mouth of the wearer, said opening being substantially diamond shaped, and a pocket forming structure for holding filter elements, said pocket structure being located in and closing the said opening and which pocket structure includes as part thereof a flexible screen material constituting the wall of said pocket, said screen material being of substantial rectangular form, a continuous marginal strip secured to the inner face of the body and covering



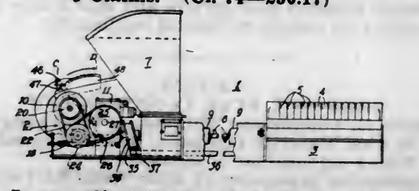
the edges of the pocket forming structure, and two substantially triangular shaped materials attached to the rear part of the marginal pocket strip overlapping said marginal pocket strip and disposed sidewise to the said marginal pocket strip and thus leaving a central opening, for filtering purposes.

2,070,755
FISHING LURE
Maurice Seigle and William Seigle, Hinton, Okla.
Application August 12, 1935, Serial No. 35,766
4 Claims. (Cl. 43—44)



1. A device of the class described, embodying a one-piece hollow transparent hook carrying body having a closed rear end and an open front end, a battery within the body, an electric light bulb, means for holding the battery and bulb in operative connection, a cap for hermetically closing the open end of the housing, means coacting with the cap for holding the battery, bulb, and holding means stationary within the housing, said bulb being disposed at the rear end of the body, and hooks connected to said body forwardly of said bulb.

2,070,756
VARIABLE SPEED DRIVE FOR MECHANICAL STOKERS
John S. Skelly, Monongahela, Pa.
Application January 10, 1934, Serial No. 706,040
9 Claims. (Cl. 74—230.17)



1. In an adjustable speed drive for mechanical feed stokers, the combination with a motor and a gear reduction mechanism adapted to be connected to the fuel feeding mechanism of the stoker, of a movable bearing having a countershaft journalled therein, a pulley on the motor shaft, a pulley on said countershaft and a belt for said pulleys, means for maintaining a sub-

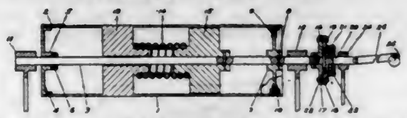
stantially constant tension in said belt, a driving pulley for the gear reduction mechanism, an adjustable effective diameter pulley on the countershaft, a belt connecting said driving pulley and the adjustable effective-diameter pulley, and means for shifting the position of said movable bearing to vary the effective diameter of the adjustable pulley and thereby adjust the speed of operation of said fuel feeding mechanism.

2,070,757

METHOD AND MEANS OF MAKING PAPER

Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application August 1, 1935, Serial No. 34,211
39 Claims. (Cl. 92—45)



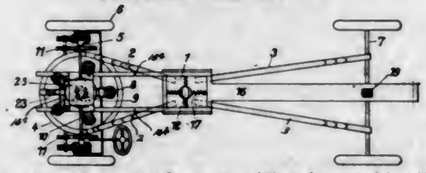
1. In a Fourdrinier paper machine, means for applying vibrations to the wire screen comprising a hollow roll, means including said roll forming two separate masses, one of said masses being within the roll, means providing elastic restoring force between said masses and means for applying mechanical vibrations to said system.

2,070,758

MOTOR VEHICLE

Fritz Spatz, Haus Freyimfelde, near Halle on the Saale, Germany

Application March 3, 1934, Serial No. 713,787
In Germany June 17, 1933
6 Claims. (Cl. 180—1)



1. A motor vehicle, comprising in combination a ring-shaped front axle, a rear axle, a joint plate intermediate said axles, two pairs of oppositely directed outwardly diverging springs extending from said joint plate and bearing respectively on said front axle and on said rear axle, an upright on said joint plate, a body, a frame carrying said body supported on the upper end of said upright above the centre of gravity of said body, and shock absorbing elements arranged between said upright and said frame and adapted to absorb horizontal oscillations.

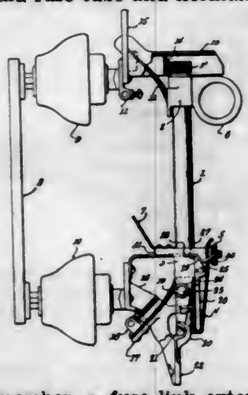
2,070,759

DROP-OUT FUSE CONSTRUCTION

Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application September 15, 1934, Serial No. 744,175
16 Claims. (Cl. 200—116)

10. A fuse comprising upper and lower terminal members, said upper terminal member having a brush contact, said lower terminal member having hook-like portions and having a pair of laterally spaced stops, a fuse tube having an upper contact bearing against and urged outwardly by said brush contact, said fuse tube having a lower contact provided with trunnions detachably held by said hook-like portions, said lower contact having outwardly projecting bumpers adapted to engage said spaced stops when said fuse has swung to its lowermost position, a catch carried by said lower terminal member, a latch lever pivotally carried by the lower contact of said fuse tube and normally engaging



said catch member, a fuse link extending from the upper contact of said fuse tube through said fuse tube and outwardly from the lower end thereof and looped over said latch lever, and means adjacent the lower portion of said fuse tube for locking the end of said fuse link, said fuse link normally restraining said latch lever against releasing motion.

2,070,760

SAFETY DEVICE FOR AUTOMOBILES

Claire L. Straith, Detroit, Mich.

Application April 1, 1935, Serial No. 14,116
5 Claims. (Cl. 280—150)



1. A vehicle instrument panel crash pad adapted to protect an occupant from injurious impact against the instrument panel which comprises a cushioning member adapted to conform to the shape of a portion at least of the instrument panel and to engage the outer surface of said portion, and means cooperating between the cushioning member and the surface of the said instrument panel for securing the cushioning member to the instrument panel.

2,070,761

PROCESS FOR THE PRODUCTION OF MERCAPTANS

Lajos von Szeszich, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold- und Silber Scheideanstalt, Frankfort-on-the-Main, Germany

No Drawing. Application March 19, 1936, Serial No. 69,721. In Germany March 19, 1935
9 Claims. (Cl. 260—156)

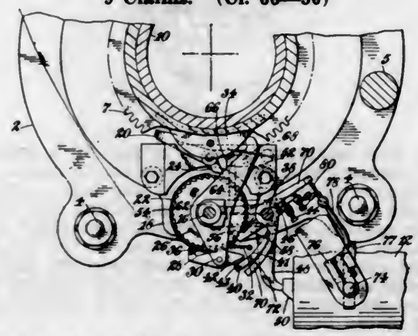
1. Process for producing mercaptans, which comprises reacting a substance, selected from the group consisting of carboxylic acids and compounds which are hydrolyzable to carboxylic acids, with hydrogen and a substance selected from the group consisting of hydrogen sulphide and materials which yield hydrogen sulphide under the reaction conditions, in the presence of a hydrogenation catalyst, at a temperature of between 150° C. and 400° C.

2,070,762

CIRCULAR KNITTING MACHINE

Carlyle Herbert Wainwright, Leicester, England, assignor to The Bentley Engineering Company Limited, Leicester, England, a British company

Application January 27, 1936, Serial No. 61,089
In Great Britain February 2, 1935
9 Claims. (Cl. 66—50)



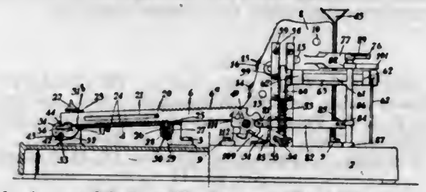
1. In a circular knitting machine, needle-selecting devices, a pattern drum for controlling said devices, disengaging means for removing all of said devices from cooperative relation with the pattern drum, driving means for rotating said drum, a stop device therefor, control mechanism adapted to operate said disengaging means to remove all of said devices from cooperative relation with the pattern drum and simultaneously to operate said stop device to stop the driving action of said driving means at a point in the knitting operation at which patterning is to be stopped, and another control mechanism adapted, if said point does not correspond with a pattern-starting position of the drum, to override the action of the first-named control mechanism upon said stop device without affecting the operation of said mechanism upon the disengaging means and thus permit the driving means to continue to drive the drum idly towards the pattern-starting position, and also to cause said stop device to stop the action of the driving means upon the drum when the drum arrives at the pattern-starting position.

2,070,763

MACHINE FOR PRINTING MONEY VALUES

Edward John Ward, St. James, London, England

Application October 30, 1934, Serial No. 750,715
In Great Britain November 2, 1933
11 Claims. (Cl. 101—95)



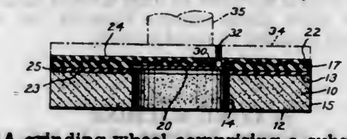
1. A machine with type rollers that print monetary amounts, comprising setting bars, guides slidably supporting said bars, means enabling finger pressure to be directly applied to said bars for sliding them in said guides by positive pressure, toothed racks on said bars, gear-trains containing elements meshing with said racks and associated with said type rollers whereby said sliding of said bars effects displacement of said type rollers to set them, and means actuated by an operated bar arranged to move unoperated bars on the right to a position where the said unoperated bars displace their type rollers to indicate nought, said movements of said unoperated bars being positively effected by finger pressure applied to said operated bar and transmitted through said operated bar and through said means actuated thereby to said unoperated bars.

2,070,764

ABRASIVE ARTICLE

Duane E. Webster, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application October 8, 1934, Serial No. 747,325
4 Claims. (Cl. 51—209)



1. A grinding wheel comprising a substantially porous body of bonded abrasive grains having a central hole therethrough, a backing therefor composed of vulcanized hard rubber impregnating the surface pores of the abrasive body and forming an integral unit therewith which extends across the wheel hole and has a face engageable with a wheel support, a clamping plate remote from said face which is imbedded within the backing and located within the wheel hole to secure the same against the wheel support, and means engageable with the plate for clamping the wheel assembly in position, whereby the backing distributes the clamping and driving forces between the wheel and its support.

2,070,765

PIN-COUPLED MEMBERS OF DREDGING, ELEVATING, CONVEYING, AND LIKE APPARATUS

John Sydney Whittaker, Puchong, Selangor, Federated Malay States

Application July 18, 1936, Serial No. 91,320
In Great Britain November 2, 1935
15 Claims. (Cl. 37—191)



1. A dredger bucket the front end eye portion of which is provided at one of its outer sides with a number of radial recesses extending from the pin hole in said eye portion of the bucket, a rotary coupling pin extending through said front end eye portion of said bucket and provided with a number of taper shaped radial projections housed in said recesses and having their narrower ends adjacent to the pin, one of said recesses extending rearwardly and made of taper shape and of such transverse dimensions that when the radical projection within said recess is bearing against

one side of the recess, a longitudinal gap is formed between the opposite side of said projection and the adjacent side of said recess, and a holding block fitting said gap and adapted to hold said radial projection firmly against the first mentioned side of the recess.

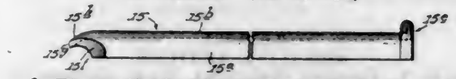
2,070,766

SHEET METAL NAIL AND METHOD OF FORMING SAME

Allen B. Wilson, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Application November 11, 1935, Serial No. 49,218

15 Claims. (Cl. 10—34)



9. The method of forming a nail which consists in rolling the edges of an elongated flat strip of sheet metal to form a channel-shaped member, bending the walls of said channel transversely at one end of said member to form a head, and cutting said walls along oblique lines at the other end of said member to form a point.

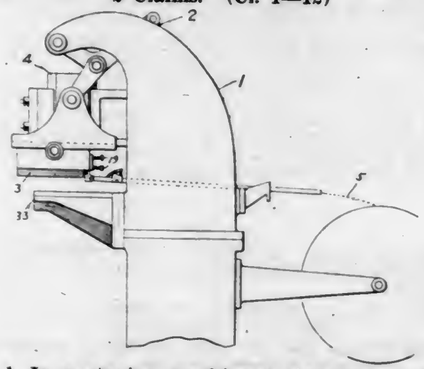
2,070,767

STAYING MACHINE

Linwood L. Wismer, Audubon, N. J., assignor to Louis Wolf, Elias Wolf, Howard A. Wolf, and Walter L. Wolf, copartners trading as National Metal Edge Box Company, Philadelphia, Pa.

Application July 10, 1935, Serial No. 30,753

2 Claims. (Cl. 1—12)



1. In a staying machine a stay cutting and fastening mechanism including a V-shaped die having cooperating cutting elements movable vertically relative to each other attached thereto, one of said elements comprising a horizontally movable knife blade set in a recess in the face of said die with the upper edge thereof abutting over its entire extent and at all times the shoulder of said recess, said knife blade having a straight cutting edge and a V notch conforming to the shape and forming an extension of the die disposed horizontally of each other on its lower portion, and means whereby the relative movement of the cooperating cutting elements will cause first the cutting edge and then the V notch of said knife to be presented for operation, said last named means including a rocker arm pivotally mounted on said die and engaging said knife blade and a stud carried by the other of said cooperating cutting elements and adapted to engage the rocker arm upon relative movement of said cutting elements.

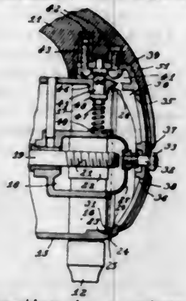
2,070,768

MIXER

Horace C. Wright, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application August 6, 1936, Serial No. 94,560

12 Claims. (Cl. 146—3)



4. The combination in a mixer, of a mixer unit comprising a motor, a motor casing having a cylindrical body portion, a handle plate seated on one end of the casing and projecting over said body portion, means supporting said plate for rotation on an axis in the region of the longitudinal center line of said body portion, and a handle attached to said projecting portion to move annularly of said casing upon rotation of said plate.

2,070,769

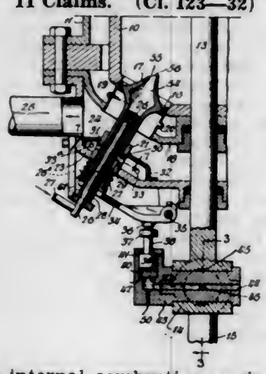
INTERNAL COMBUSTION ENGINE

Allan R. Wurtele, Minneapolis, Minn.

Application October 28, 1931, Serial No. 571,490

In Germany August 13, 1931

11 Claims. (Cl. 123—32)



1. In an internal combustion engine, a power cylinder having a port, a valve having an enlarged head portion and a hollow stem for controlling said port, a stationary cooling fluid container on which said valve is mounted to slide, and fuel supply means including an atomizing nozzle extending centrally of said container and communicating with the power cylinder.

2,070,770

HYDROGENATION OF ALKYL PHTHALATES

William John Amend, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 18, 1935, Serial No. 45,547

5 Claims. (Cl. 260—99.40)

1. The process of selectively hydrogenating the ring of an aromatic ester, which comprises reacting a dialkyl ester of a phthalic acid and hydrogen in the presence of a hydrogenating metal catalyst at a temperature within the range of 160° to 260° C. and at a pressure within the range of 750 to 5000 pounds per square inch, said ester being a phthalic acid ester of an alcohol having at least eight carbon atoms.

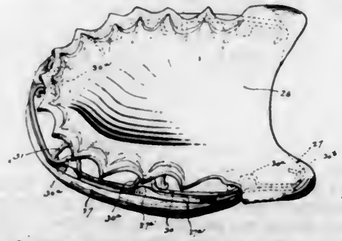
2,070,771

DENTURE

Walter Artzt, Philadelphia, Pa.

Application April 26, 1935, Serial No. 18,429

7 Claims. (Cl. 32—2)



1. A denture including two shaped gold sheets one on the palatal side and the other on the lingual side, an intermediate mass of gum material following the alveolar ridge of the patient's mouth and set between said sheets at their marginal portions, anchor means carried by one of said sheets and buried in said mass, and strut means including substantially vertical pillars extending through said mass, such pillars having angularly offset feet secured to both sheets at their marginal portions to interlock such portions and thereby brace one sheet against the other.

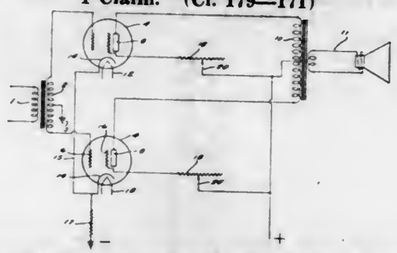
2,070,772

METHOD OF ELIMINATING HUM IN PUSH-PULL CIRCUITS

Arthur C. Ansley, New York, N. Y.

Application January 26, 1935, Serial No. 3,573

1 Claim. (Cl. 179—171)



A method of eliminating hum in the receiver of a radio set using a pulsating current which set includes radio circuits having tubes of at least four electrodes, said tubes arranged in push-pull relation and the electrodes including a plate and a screen with supply circuits for each, which consists in varying the screen voltage to equalize the plate current of the tubes while the pulsating current supply remains substantially constant.

2,070,773

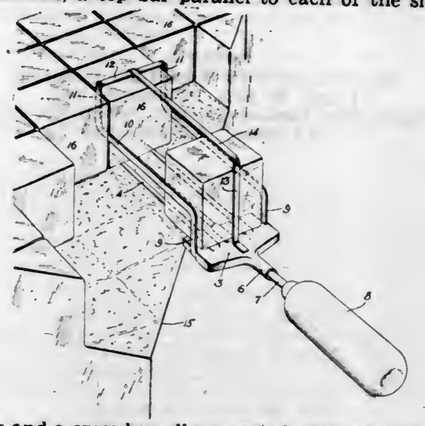
ICE PICK

William F. Arndt and John H. Ganzer, Duluth, Minn., assignors to The Coolerator Company, Duluth, Minn., a corporation of Minnesota

Application August 3, 1935, Serial No. 34,495

3 Claims. (Cl. 125—23)

1. An ice pick comprising a base, a prong projecting forward and a handle projecting rearward from the base in alinement with each other, and a retainer mounted on the base and projecting forwardly above the prong, said retainer having side bars, a top bar parallel to each of the side



bars and a cross bar all connected with each other to slidably engage the top and sides of an ice cube on a cake of ice for holding the ice cube after it is separated by the prong from the cake of ice.

2,070,774

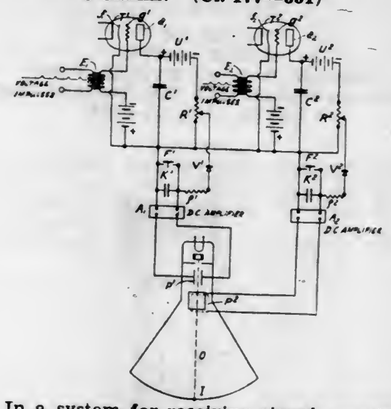
METHOD OF RECEPTION OF ELECTRIC SIGNALING IMPULSES

René Barthelemy, Fontenay Aux Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel D'Usines a Gaz, Montrouge, (Seine) France

Application September 22, 1934, Serial No. 745,096

In France September 27, 1933

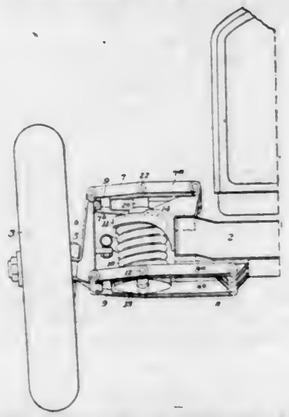
6 Claims. (Cl. 177—351)



1. In a system for receiving signals consisting of successive electrical impulses, the combination comprising a gaseous electrical discharge tube comprising at least an anode, a cathode and a control electrode, means for applying between the cathode and the control electrode a voltage at each impulse which renders conductive the space between the anode and the cathode upon each impulse, a condenser connected between the anode and the cathode and discharged upon each impulse, a first circuit comprising a source of electrical energy and a resistance for recharging said condenser, a second circuit shunting a part of said resistance and comprising in series a condenser the charge of which increases at each im-

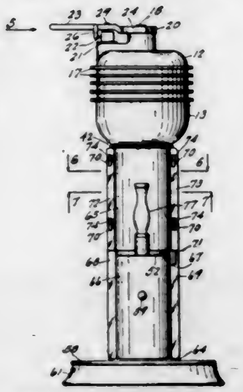
pulse and a unilaterally conductive device, and means for measuring the voltage of the condenser in the second circuit and discharging the condenser of the second circuit a negligible quantity.

2,070,775
MOUNTING FOR VEHICLE WHEELS
Frank B. Bell, Pittsburgh, Pa.
Application January 30, 1935, Serial No. 4,071
14 Claims. (Cl. 267—20)



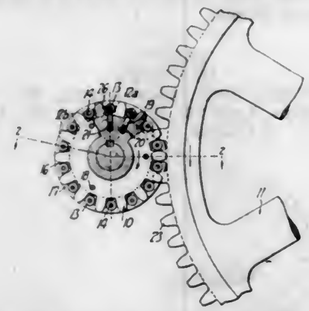
1. A wheel mounting for vehicles comprising a frame, a wheel-supporting member, a pair of spaced links connecting such member to the frame, a helical load spring interposed between a link and the frame, and a shock absorber extending between and connected to the links, the shock absorber lying within the load spring.

2,070,776
DRINK MIXER
Kenneth E. Bemis, Oakland, Calif.
Application September 14, 1936, Serial No. 100,713
6 Claims. (Cl. 259—104)



1. A drink mixer comprising, a container having a handle; a container sleeve slidably receiving said container; an intermediate obstruction on said sleeve for cooperation with said container in partly lowered position; agitating means within said sleeve and driving means therefor; said sleeve being rotatably mounted for coincident manual rotary reciprocation with said container.

2,070,777
GEAR MECHANISM
Burtis W. Benbow, Benbow, Calif.
Application November 26, 1935, Serial No. 51,615
6 Claims. (Cl. 74—415)



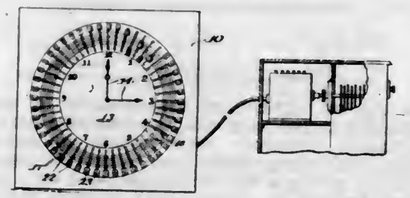
1. In a gear mechanism, a drive gear having its periphery provided with gear teeth, a driven gear likewise having its periphery provided with gear teeth, said gears being adapted to rotate about parallel axes spaced apart a distance substantially equal to the sum of their respective pitch radii, the teeth on the gears being arranged in annular rows whereby one row of teeth on one gear is disposed to operate between two rows of teeth on the other gear, and rollers loosely carried by one of the gears between the teeth thereof, said rollers serving to transmit torque between the teeth of the two gears by rolling contact with the side faces of the teeth and extending between the two annular rows of teeth on said other gear.

2,070,778
CARRIER FOR PHOTOGRAPHIC SENSITIZED MATERIAL
Noel Pemberton Billing, London, England
Application January 28, 1936, Serial No. 61,163
In Great Britain February 13, 1935
13 Claims. (Cl. 95—66)



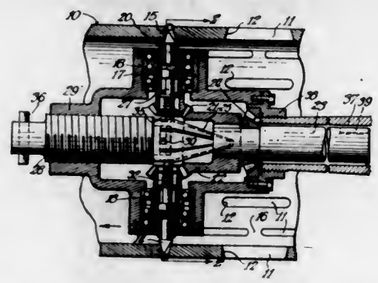
1. A carrier for photographic sensitized material formed entirely of flexible paper-like material and comprising an outer envelope which has one wall apertured to provide a mask through which the sensitized material can be exposed and which is constituted by a folded blank of sheet material retained in its folded condition only by interlocking portions of the folded blank and comprising also an inner slide to cover the aperture of the mask.

2,070,779
RADIO TUNE-IN CONTROL DEVICE
Charles R. Bowen and John M. Southwell, Los Angeles, Calif., assignors of fifteen per cent to Harry Scheiner, New York, N. Y.
Application December 26, 1933, Serial No. 703,980
11 Claims. (Cl. 250—20)



9. In a radio tune-in control device, a panel provided with a clock face, a series of concentric circles on the face of said panel surrounding said clock face, said circles being distinctively marked so as to designate different radio broadcasting stations, said panel being provided with a series of radially disposed slots that intersect the circles on said panel, said slots being disposed in radial alignment with the hour and quarter hour designating marks of the clock face, a series of concentric contact rings arranged on the rear face of the panel adjacent to said slots, the number of which contact rings corresponds with the circles on the face of the panel, buttons arranged for sliding movement in said slots, a contact member carried by each button for engaging said contact rings, a clock controlled multiple switch carried by said panel, contact members on said multiple switch and connections between the contact members carried by said buttons, and the contact members of said multiple switch.

2,070,780
SLOTTING, PERFORATING, AND SPLINING OF TUBES AND THE LIKE
Earle G. Boyer, Philadelphia, Pa., assignor to Hannifin Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application February 28, 1935, Serial No. 8,705
5 Claims. (Cl. 90—15)



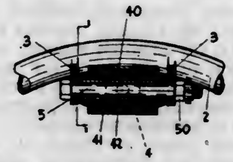
1. Apparatus for slotting pipe or the like comprising in combination a supporting head having a plurality of radial outwardly tapered bits, rotatable sleeves in said head in which said bits are radially slidable, said bits and sleeves being provided with non-circular portions for rotatably connecting the sleeves with the bits, means for sliding said bits in said sleeves, and means for rotating said sleeves.

2,070,781
GREASE
Lawrence C. Brunstrum, Chicago, Ill., and Elmer Wade Adams, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application February 13, 1935, Serial No. 6,384
10 Claims. (Cl. 87—9)

7. A cup grease having approximately the following percentage composition by weight:

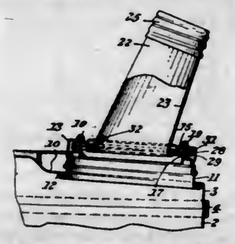
	Per cent
Mixed calcium and barium soaps	15 to 30
Partial esterification product of a polyhydroxy alcohol	2 to 5
Oil	65 to 83

2,070,782
AIRPLANE ENGINE MOUNT
Frank R. Canney, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application January 9, 1935, Serial No. 973
2 Claims. (Cl. 248—5)



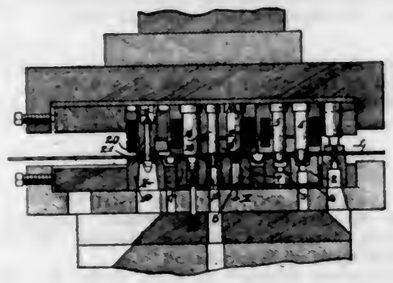
2. A device for resiliently mounting a radial airplane engine upon a mounting ring, comprising two concentric metal sleeves disposed circumferentially of the mounting ring, a rubber sleeve interposed between said metal sleeves and positively bonded to both thereof, a member projecting radially of the outer one of said metal sleeves and integral therewith, for securement to the engine, means extending radially of the mounting ring, and engaging opposite ends of said second sleeve, and means connecting said first means with said second sleeve.

2,070,783
CONTAINER AND SPOUT CONSTRUCTION
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application October 1, 1935, Serial No. 43,069
14 Claims. (Cl. 221—24)



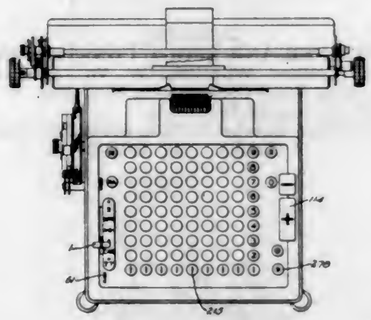
1. In combination, a container having a discharge opening, a spout having gasket means cooperating with the container adjacent the discharge opening and means cooperating with the container and gasket means for holding the spout in place, said last mentioned means and the container respectively simultaneously engaging the gasket means at points offset in a direction parallel to the gasket means.

2,070,784
METHOD OF MAKING SPRING RETAINING CAPS
John R. Cox, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application August 26, 1935, Serial No. 37,924
10 Claims. (Cl. 29—156)



1. The herein described method of making spring retaining caps which consists in punching a strip of metal for forming a dome, compressing the top portion of said dome for squeezing the metal into the adjacent wall portion thereof, compressing the strip of metal surrounding said dome portion to produce an outwardly and downwardly directed slope, punching an aperture in said compressed top, compressing said surrounding portion to form a flange and shearing said cap from said strip.

2,070,785
REGISTER
Loring Pickering Crosman, Maplewood, N. J., assignor to Gardner Company, Orange, N. J., a corporation of Delaware
Application March 9, 1935, Serial No. 10,271
2 Claims. (Cl. 235—60)



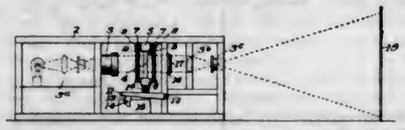
1. In a register, the combination with two accumulators, means including selectively settable elements for adjusting said accumulators for add, subtract or non-add operation, and total printing means including a key operable to clear a total from either appropriately adjusted accumulator and to effect the printing; of normally inactive means adapted to cooperate with said adjusting means to adjust a given accumulator to register a total cleared from the other accumulator, and means settable to hold said normally inactive means in position for operation by the total key.

2,070,786
SCALE BEAM STRUCTURE
Hermann Eschenbacher, Ridgewood, and Paul J. Kircher, Brooklyn, N. Y., assignors to The Jacobs Bros. Co., Inc., Brooklyn, N. Y., a corporation of New York
Application November 17, 1934, Serial No. 753,428
4 Claims. (Cl. 265—71)



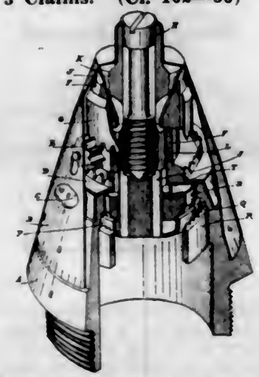
3. As an article of manufacture, a beam structure including a strap having edge portions extending angularly with respect to its side faces, such strap being bent to provide leg and fulcrum portions for such beam, and such strap being twisted at points short of such fulcrum portions whereby the surfaces of the latter at their point of juncture furnish substantially knife-edge portions.

2,070,787
DISPLAY METHOD AND APPARATUS
Max M. Frocht, Pittsburgh, Pa.
Application June 16, 1934, Serial No. 730,966
9 Claims. (Cl. 88—24)



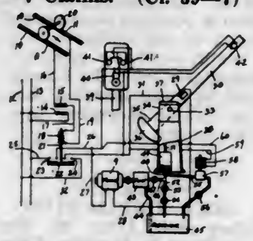
1. In combination, a primary object to be displayed and means including a lens system for projecting an image of said primary object on a screen comprising a polariscope having a polarizing element and an analyzing element, a photoelastic stress screen in the field of the polariscope between said elements, a light source for passing a beam of light through said polariscope, and means for stressing said stress screen.

2,070,788
REGULATABLE FUSE FOR PROJECTILES
Paul Girard, Lyon, France
Application August 20, 1935, Serial No. 36,947
In France August 24, 1934
3 Claims. (Cl. 102—36)



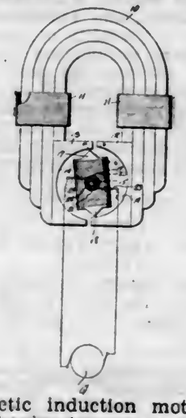
1. Time fuse mechanism for projectiles comprising a shell jacket, a hood mounted at the nose of the jacket and rotatable about the axis of the shell, said hood having an aperture and being marked with graduations, said jacket being provided with a chamber to house a clockwork mechanism, a crown mounted on said jacket and within said hood and rotatable about the axis of the shell, said crown being marked with graduations which are visible through the aperture in the hood, and differential gear mechanism providing a drive between the hood and the crown and adapted to rotate said crown at a speed different from that of said hood when the latter is rotated.

2,070,789
GATE OPERATING MEANS
Walter I. Golden, Columbus, Ind., assignor to Automatic Safety Gate Company, Columbus, Ind., a corporation
Application March 2, 1935, Serial No. 9,008
7 Claims. (Cl. 39—7)



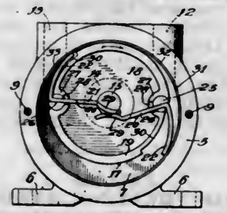
3. In a crossing gate structure, the combination of an operating arm member, a reciprocable power operable member for moving said arm member, the adjacent end of one member straddling the adjacent end of the other member, one of said adjacent ends having a cam formation, the adjacent end of the other member having a latch receiving socket, a latch normally constrained toward socket seating, and a lost-motion connection between the adjacent straddled arranged ends of said members whereby cam release of the latch is effective in the initial movement of the power operable member previous to the initial movement of the gate operating arm member.

2,070,790
MAGNETIC INDUCTION MOTOR
Frederic J. Hammes, Erlton, N. J., assignor to Magnetic Motors, Inc., a corporation of New Jersey
Application November 19, 1932, Serial No. 643,474
2 Claims. (Cl. 172—36)



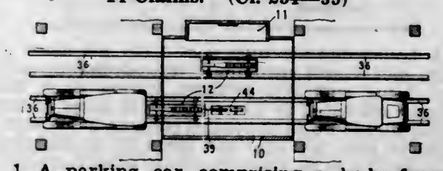
1. A magnetic induction motor including a field magnet having two opposed pole pieces, the confronting faces of the pole pieces being re-entrantly semicircular, the extremities of the pole pieces being spaced from each other by a non-conductive gap, an armature rotatably mounted between the pole pieces and having opposite poles, and an armature coil surrounding the armature, the opposing inner faces of the field pole pieces being each eccentric to the axis of the armature and the field pole pieces being diametrically offset with relation to each other, the armature being substantially enveloped by the field pole pieces, and means for passing current through the armature coil in a direction and to an extent just sufficient to neutralize the attraction of the field poles to which the armature poles are closest, such means acting to pass current through the armature coil only while the poles of the armature are passing the point of nearest approximation to the field poles.

2,070,791
FLUID PUMP
Henry E. Hubbard, Chicago, Ill.
Application February 3, 1936, Serial No. 62,088
5 Claims. (Cl. 103—140)



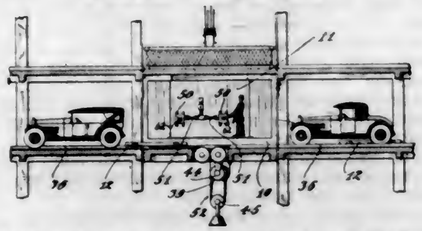
1. In a fluid pump, a cylindrical housing having a cover plate at each end and forming a chamber therein having a cylindrical wall, inlet and outlet ports communicating with said chamber, a rotor in said chamber, and a pair of vanes mounted on the rotor and having integral parts on each of the vanes arranged to engage each other with line contact to transmit motion from one vane to the other with a minimum of friction, said vanes arranged to engage the cylindrical wall whereby the vanes operate during rotation of the rotor to draw fluid into said chamber through the inlet port and force fluid out of the chamber through the outlet port.

2,070,792
PARKING CAR
Milton A. Kent, Larchmont, N. Y., assignor, by mesne assignments, to Electric Garages, Inc.
Application January 30, 1928, Serial No. 250,419
14 Claims. (Cl. 254—35)



1. A parking car comprising a body frame, wheels supporting the body frame, a coupler frame carried by the body frame and adapted to be elevated into engagement with the differential of a motor vehicle, means for elevating the coupler frame while maintaining it substantially horizontal, said elevating means including toggle lever mechanism, an electric motor for operating said toggle lever mechanism, and a spring connection transferring power from the electric motor to the toggle lever mechanism.

2,070,793
GARAGE SYSTEM
Milton A. Kent, Larchmont, N. Y., assignor, by mesne assignments, to Electric Garages, Inc.
Application January 16, 1929, Serial No. 332,858
1 Claim. (Cl. 214—16.1)



A vehicle parking system comprising an elevator adapted to carry two vehicles, two wheeled parking cars associated with the elevator, each parking car being adapted to run under a vehicle in a direction parallel to the longitudinal axis of the vehicle, each parking car having coupling means for forming a towing engagement between the parking car and the vehicle, each parking car having driving means for propelling the parking car, and two control members mounted on the elevator, in positions spaced horizontally from each other, each control member being arranged to control the coupling means and the driving means for one of the parking cars.

2,070,794
METHOD OF TREATING OAKWOOD FOR THE AGING OF SPIRITUOUS LIQUORS
Ernst T. Krebs and Ernst T. Krebs, Jr., San Francisco, Calif.
No Drawing. Application June 12, 1934, Serial No. 730,260
19 Claims. (Cl. 99—48)

1. In a method of treating oakwood to produce a prolific growth of cryptogamic spores which promote oxidation, esterification and aldehydation during the aging of spirituous liquors, the steps which consist in reducing the oakwood to a comminuted form, and moistening the comminuted wood with a solution containing an emulsin complex.

2,070,795
BOILER CLEANER TUBE
Frederick W. Linaker, St. Louis, Mo.
Application November 28, 1934, Serial No. 755,137
1 Claim. (Cl. 138—47)



A boiler cleaner tube cast from an alloy of iron, nickel and chromium, the chromium content being sufficient to resist scaling when the tube is subjected to the destructive gases of the boiler furnace, and the nickel content being sufficient to give the tube the property of resisting the changes in its grain structure when subjected to the high temperatures prevailing within the furnace.

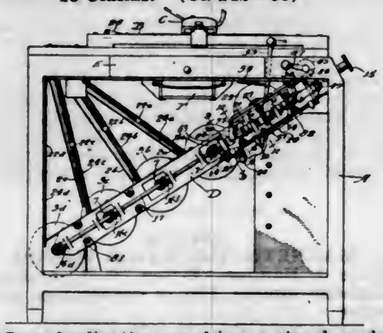
2,070,796
CUTTING TOOL
George Swend Madsen, Chicago, Ill.
Application October 15, 1934, Serial No. 748,283
3 Claims. (Cl. 30—98)

1. A tool comprising a razor blade holder and a combined guard and handle pivoted together, the holder comprising a metal strip folded upon itself so that its opposite longitudinal edges define a narrow longitudinally-extending blade receiving slot into which a razor blade of wafer form may be inserted and against which the edges of the folded strip exert a spring pressure, a blade of wafer form in said holder, means for limiting the extent of insertion of the blade into the slot, the guard and handle comprising a second strip of metal folded upon itself so that its opposite



longitudinal edges define a longitudinally-extending slot wide enough to embrace the blade receiving edge of the holder, the handle being swingable from a position substantially in alignment lengthwise of the holder to a position embracing the blade receiving edge of the holder, and means associated with the handle for forcing the blade into its fully inserted position in the holder as the handle is swung into a position embracing the holder.

2,070,797
MULTIPLE ROLL DUPLICATING MACHINE
Alfred Marchev and John W. Hernlund, La Grange, and Cecil C. McCain, Glen Ellyn, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application May 11, 1934, Serial No. 725,036
13 Claims. (Cl. 242—55)



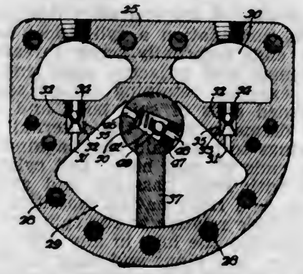
13. In a duplicating machine, a stand, a platen mounted on said stand, a spindle framework beneath said platen, said framework having a drive means and a plurality of storage spindles journalled thereon, duplicating bands on said spindles, means actuated by said drive means for drawing a band from one of said spindles across said platen, said drawing means being also on the framework and the framework with the aforementioned spindles and means being removable from the stand as a unit.

2,070,798
COMBINATION MAGNIFYING GLASS AND TONGS
Elden Guy Mason, Burbank, Calif.
Application May 10, 1935, Serial No. 20,807
2 Claims. (Cl. 88—39)



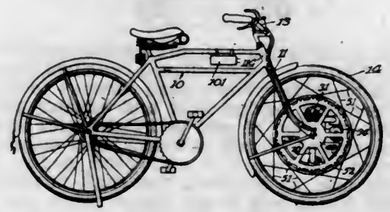
2. An instrument for handling stamps comprising two elongated flexible arms each having a flanged ring at one end, a magnifying glass between the flanged rings, and means adjoining the rings extending through the flexible arms for securely holding said arms together, thereby rigidly holding the magnifying glass between the flanges, the said elongated flexible arms being provided at their other ends with spade points for handling stamps.

2,070,799
SHOCK ABSORBER
George K. McKee, Cincinnati, Ohio
Application August 21, 1933, Serial No. 686,096
10 Claims. (Cl. 188—89)



1. A hydraulic shock absorber comprising a casing having a piston chamber, a piston therein, means interconnecting the chamber portions on opposite sides of said piston, and a pressure-operated check valve for controlling the flow in one direction through said means, said check valve comprising an opening having a conical portion adjacent one end, a movable member of smaller diameter than the largest diameter of said conical opening portion and of a diameter approximating the smallest diameter of said conical portion, means adjacent the larger end of said conical opening portion having an opening communicating with said conical portion and constituting a valve seat adapted to cooperate with said movable member to control the flow in one direction through said means, and means yieldingly urging said movable member toward said seat.

2,070,800
MOTORIZED BICYCLE
Roger B. McMullen, Jr., Evanston, Ill.
Application February 4, 1935, Serial No. 4,751
14 Claims. (Cl. 180—33)



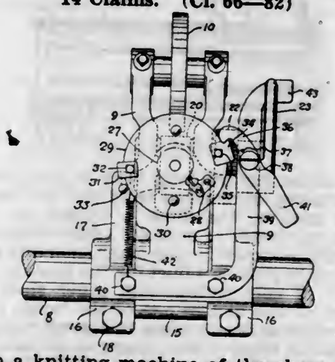
3. In a bicycle having a forked frame, a cradle having trunnions fixed in the arms of the fork, a motor assembly pivotally supported in the cradle, a chambered road wheel inclosing the cradle and assembly, and journaled on the trunnions, a drive wheel actuated by the motor, a sheave attached to the road wheel and cooperating with the drive wheel, a brake shoe carried by the assembly and located diametrically opposite from the drive wheel, and manually actuated means for rocking the assembly on its pivot to alternatively engage the drive wheel or brake shoe with the sheave.

2,070,801
ELECTROLYTIC CELL
John J. Moynihan, Boston, Mass., assignor to Aerovox Corporation, a corporation of New York
Application October 7, 1935, Serial No. 43,878
11 Claims. (Cl. 175—315)



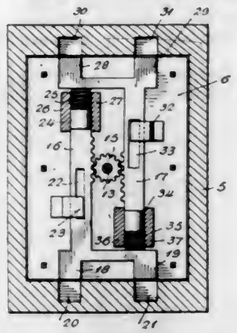
1. In an electrolytic condenser of the type comprising a film formed anode, complementary metal parts including a cathode and terminal means and an electrolyte intervening between said anode and said cathode, the combination in which one or more of said metal elements other than the anode are of zinc with impurities therein, but at least 99.8 per cent pure.

2,070,802
APPARATUS FOR STITCH REGULATION IN KNITTING MACHINES
Arthur W. Mutchler, Brooklyn, and Hans J. Straussberger, Middle Village, Long Island, N. Y., assignors to Julius Kayser & Co., New York, N. Y.
Application June 16, 1934, Serial No. 730,896
14 Claims. (Cl. 66—82)



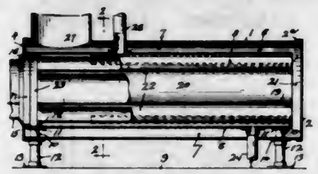
1. In a knitting machine of the character described, an apparatus for regulating the actuation of the needle bar mechanism to vary the length of the loops at certain stages in the knitting operation comprising: a member movable to different adjusting positions for controlling the movement of said needle bar mechanism, means releasably engaging said member for retaining the same when moved to one of its adjusting positions, and means connected to said member for automatically moving the same to another of its adjusting positions upon releasing of said first mentioned means.

2,070,803
SAFE AND THE LIKE
Hans Oblak, Donawitz Steiermark, Austria
Application January 4, 1935, Serial No. 424
1 Claim. (Cl. 109—3)



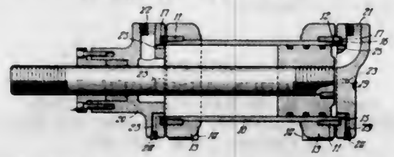
The combination with an electric motor; of a locking device for safes and the like, comprising a pair of spaced toothed racks, each of said racks being reciprocally mounted on the door in relatively opposite directions, each of said racks comprising a bar having projections adapted to engage corresponding recesses in said safe to lock said door, springs on said safe door for normally holding said projections in engagement with said recesses, a pinion adapted to be driven by the shaft of said motor meshing with said racks, whereby the rotation of said pinion by said motor will lock and unlock said safe door.

2,070,804
HEATING APPARATUS
Rudolph Payson, Flushing, N. Y.
Application April 6, 1935, Serial No. 15,038
3 Claims. (Cl. 257—236)



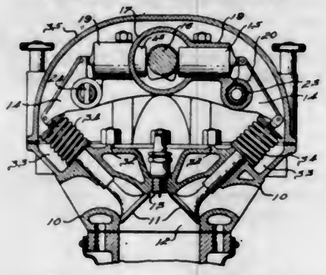
1. A device for utilizing heat in the products of combustion discharged from the fire box of a heating system, including a cylindrical outer shell having heads at opposite ends, a cylindrical inner shell mounted in said outer shell and spaced therefrom to provide a duct for the passage of the products of combustion, said inner shell being mounted at one end in one of the heads of said outer shell and terminating in spaced relation to the opposite head of said outer shell, said inner shell forming a liquid chamber, a tube of relatively large diameter centrally located and extending lengthwise through the body of liquid in said inner shell, other tubes of relatively smaller diameter arranged between said relatively large tube and the wall of said inner shell, means for conducting the products of combustion into one end of said tubes whereby said products will pass through said tubes, said products adapted to pass from the opposite ends of said tubes into the annular space between the inner and outer shells and to pass lengthwise along and in contact with said inner shell.

2,070,805
CYLINDER
Victor W. Peterson, Chicago, Ill., assignor to Hannifin Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 18, 1934, Serial No. 758,106
2 Claims. (Cl. 121—1)



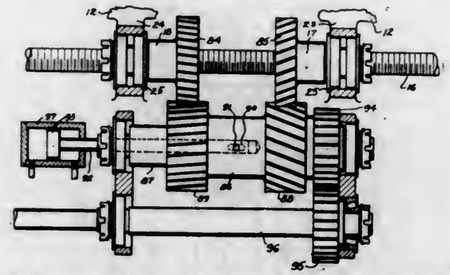
1. A cylinder of the character described comprising in combination a cylindrical body having open ends externally screw threaded, loose rings around and adjacent each end of said cylinder, external retaining collars screwed on the threaded ends of said body and of larger external diameter than the internal diameter of said rings to hold said rings against removal over the ends of said body, and cylinder caps provided with inlet passages and attached to said rings, said rings having mounting lugs and being rotatable relative to the cylinder and said caps to position the lugs in any desired mounting position, said rings and caps having a plurality of bolting holes arranged to register in a plurality of relative cap and ring positions, whereby said caps may be attached in any of a plurality of angular positions relative to said mounting lugs, said caps having a plurality of circumferentially distributed vent passages.

2,070,806
INTERNAL COMBUSTION ENGINE
Balfour Read, Detroit, Mich.
Application May 28, 1934, Serial No. 727,969
In Great Britain June 2, 1933
9 Claims. (Cl. 123—90)



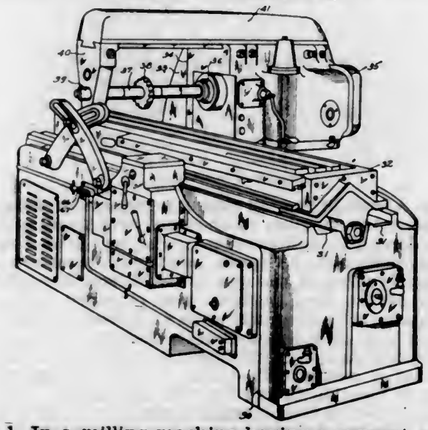
1. In combination with an internal combustion engine having a row of aligned cylinders, a one-piece detachable cylinder head common to all of said cylinders having inlet and exhaust ports, a valve for each of said ports, the axes of the valves for each of said cylinders being angularly arranged with respect to each other and to the cylinder axis, an overhead cam shaft in parallel relation to the axis of the engine crank shaft, a tunnel-shaped housing enclosing and supporting said cam shaft, means for supporting said housing from said cylinder head in vertically spaced relation with respect thereto, a pair of approximately axially parallel tappets for each of said cylinders slidably supported by said housing on opposite sides thereof and engaging said cam shaft, rocker arms interposed between said tappets and said valves, and a spark plug for each of said cylinders projecting through said cylinder head between said valves therefor.

2,070,807
BACKLASH ELIMINATOR
Erwin G. Roehm and Walter D. Archea, Norwood, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application October 20, 1933, Serial No. 694,423
12 Claims. (Cl. 90—22)



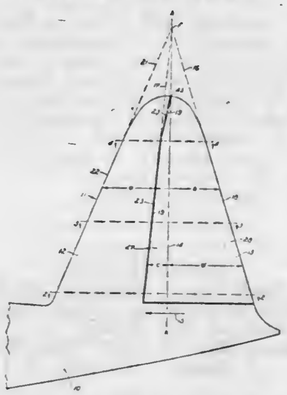
3. In combination a pair of relatively movable members, feed means to effect movement of one of the members relative to the other, and comprising a single feed element on one member and a pair of feed elements on the other member engaging the feed element on the first mentioned member; and anti-back lash mechanism comprising helical gears of opposite and unequal tooth inclination respectively on said pair of feed elements, a longitudinally shiftable power actuated rotary spool having at its opposite ends teeth meshing respectively with the teeth of said helical gears and means to exert an axially directed pressure to said spool.

2,070,808
MILLING MACHINE TRANSMISSION AND CONTROL MECHANISM
Millard Romaine and Walter D. Archea, Cincinnati, and Erwin G. Roehm, Norwood, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application January 3, 1934, Serial No. 705,108
40 Claims. (Cl. 90—21)



1. In a milling machine having a support and a work table mounted on the support, the combination of transmission mechanism for determining movement of the table including shiftable parts selectively positionable to cause a feeding movement or a quick traverse movement of the table, said parts also being positionable to stop the table, a trip plunger operatively connected to said parts and axially movable to three different positions to effect the different results, said plunger being mounted for horizontal movement toward and from the side of the table, trip dogs carried by the table for moving the plunger selectively from either one of two positions to the other thereof, and means including an additional trip operable mechanism having a motion transmitting connection to the plunger, and additional trip dogs carried by the table for co-acting with said last named mechanism to shift the plunger to a third position.

2,070,809
CONTROL SURFACE
Leonard Eugene Root, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application August 28, 1935, Serial No. 38,190
21 Claims. (Cl. 244—87)



1. In a control means for an aerial vehicle of the character described, the combination of: a front airfoil having a leading edge and a trailing edge; and a rear airfoil behind the trailing edge of said front airfoil, said rear airfoil having a leading portion which is substantially blunt, and said rear airfoil being hinged on an axis disposed to the rear of its leading edge such distance that said blunt leading portion will project into the air stream passing said front airfoil as said rear airfoil is rotated from neutral position, said rear airfoil having side faces which are non-convex in rearward direction and which converge to a trailing edge.

2,070,810
METAL SPLINT
William J. Saling, Decatur, Ill.
Application August 3, 1936, Serial No. 94,069
1 Claim. (Cl. 128—89)

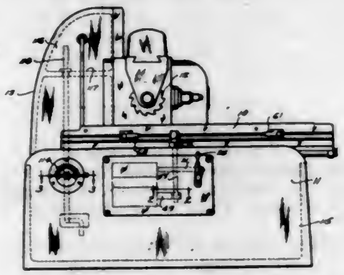


A metal splint shaped as the natural dorsal contour of the forearm and wrist, which has the special ulna depression or cupping adapted to fit over the head of the ulna bone and which has the lower portion of said splint adapted to extend over the dorsal portion of the hand forming a protective dorsal hand-shield support.

2,070,811
THERMALLY CONDITIONED MACHINE TOOL

Bernard Sassen, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application July 28, 1934, Seral No. 737,468
8 Claims. (Cl. 90—11)



4. In a machine tool having a fluid operable part, the combination of a reservoir containing a body of operating fluid, means for supplying said operating fluid to said part, means for cooling said fluid, and means in the body of the fluid and responsive to rises in the temperature thereof to effect operation of said cooling means and thereby inverse changes in the temperature of the fluid whereby the viscosity of the fluid may remain substantially constant.

2,070,812
METALLIC DOOR

William Scott Snead, Montclair, N. J., assignor to Snead & Company, Jersey City, N. J., a corporation of New Jersey

Application May 28, 1934, Serial No. 727,918
7 Claims. (Cl. 189—46)

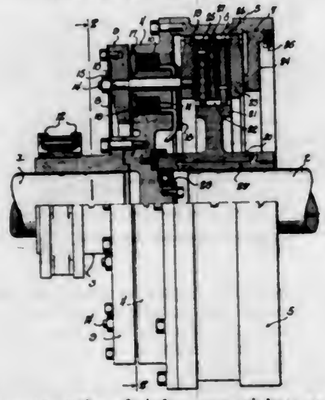


1. In a sheet metal door the combination of hollow end stiles, a hollow upper cross rail extending into the interior of the end stiles comprising side members and an upper reinforcing member, said side members being rebent at their upper edges for that portion of their lengths which lies between the end stiles to provide seats for the reinforcing member, and said reinforcing member extending between the end stiles and also constituting a top closure for the cross rail, and reinforcing members for the joints between the stiles and cross rail secured to the stiles and to the adjacent rebent portions of the cross rail and also constiuting top closures for the end stiles.

2,070,813
MAGNETIC CLUTCH

Roswell H. Stearns, Milwaukee, and Harold W. Harman, Wauwatosa, Wis., assignors to Magnetic Manufacturing Company, Milwaukee, Wis.

Application June 1, 1931, Serial No. 541,202
17 Claims. (Cl. 192—84)

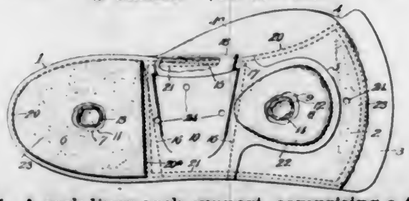


1. A magnetic clutch comprising a driving member having a body portion, a driven member, a plurality of friction rings carried alternately by said members, a compression ring carried by said driving member, a pair of annular energizing coils carried by said driving member, a plurality of rods slidably positioned between said coils and carried by said driving member and adapted to force said friction rings into frictional engagement with each other, and an armature connected to said rods and adapted to be drawn towards said driving member when said coils are energized.

2,070,814
SOCK LINER ARCH SUPPORT

Clarence H. Stemmons, Kansas City, Mo.

Application July 22, 1935, Serial No. 32,518
2 Claims. (Cl. 36—71)

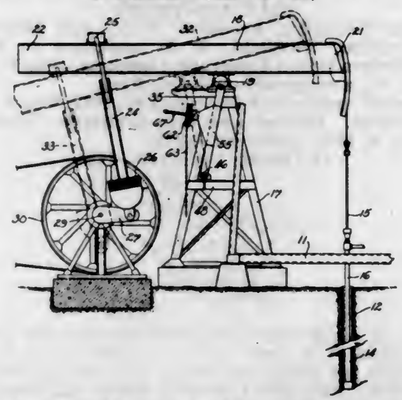


1. A sock liner arch support, comprising a thin flexible top member of contour corresponding to the heel and ball-portion of the sole of a shoe, and having at its inner longitudinal margin a lateral extension running forward from the front end of the heel portion, and provided coincidentally with the latter with an upward embossment providing a downwardly-facing cavity, and provided also with an upward embossment providing a downwardly-facing cavity corresponding in location to the forward metatarsal joints of the foot; an intermediate member underlying and fitting flatwise against and substantially conforming in contour and width with but slightly shorter than the top member and provided with a lateral extension corresponding substantially in size and contour to and underlying the lateral extension of the top member, and provided with depending bossed portions providing upwardly-facing heel and metatarsal cavities corresponding in size and contour to the corresponding cavities of the top member; and a bottom member having heel and ball portions bossed downward and providing cavities respectively receiving the downward bossed heel and ball portions of the intermediate member, the bottom member being permanently stitched to the intermediate member transversely at spaced points adjacent to the front end of the heel and metatarsal embossments, the portion of the bottom member between said spaced stitching points, being depressed between the side marginal edges of said member and provided with a slit extending longitudinally of the insole in proximity to its inner edge; a transverse line of stitching permanently uniting the bottom and intermediate members in proximity to the heel portions thereof; cushions fitted in the oppositely-facing cavities of the intermediate and top members, a marginal line of stitching permanently connecting the top and intermediate members and the heel and shank portion of the bottom member, a line of stitching uniting all of the members closely around the metatarsal-joint cavities thereof, and a cushion fitted between the intermediate and bottom members within the cavity of the latter accessible through the slit thereof.

2,070,815
ONE-MAN RETRACTABLE WALKING-BEAM

Guglielmo Tremolada, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California

Application January 20, 1933, Serial No. 652,661
8 Claims. (Cl. 74—41)



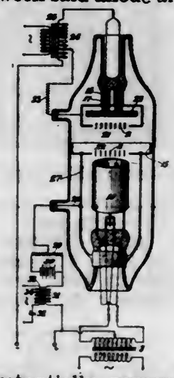
1. A combination as disclosed herein, which consists of: a Samson post; a walking-beam pivotally supported at the upper end of said Samson post and being horizontally movable relative to said Samson post; arm means connected to said walking-beam whereby said walking-beam may be moved from operating position into retracted position; fulcrum means for said arm means; and actuating means operative between said arm means and said Samson post for swinging said arm means.

2,070,816
GAS-FILLED DISCHARGE TUBE

Carl J. R. H. von Wedel, Newark, N. J., assignor to Electrons, Inc., a corporation of Delaware

Application January 20, 1931, Serial No. 509,902
11 Claims. (Cl. 250—27.5)

1. A grid controlled gaseous discharge tube comprising a thermionic cathode, an anode, and an electrostatic control electrode therebetween, disposed in an ionizable atmosphere of substantially constant density throughout the tube, the control electrode comprising spaced apart strips with relatively thin edges disposed in the discharge path between said anode and cathode with

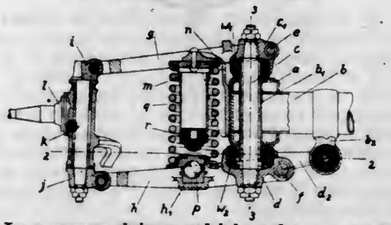


their edges substantially perpendicular to the paths of ions impinging thereon and with their larger lateral surfaces parallel to said paths, said strips being spaced from the anode a distance greater than the mean free path of said gas filling.

2,070,817
SPRINGING ARRANGEMENT FOR THE WHEELS OF VEHICLES

Max Wagner, Stuttgart, Germany, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a German company

Application December 31, 1935, Serial No. 56,915
In Germany December 17, 1934
18 Claims. (Cl. 267—20)



1. In a power-driven vehicle a frame, a vehicle wheel, a swinging axle for supporting the wheel and capable of motion in a vertical plane, a vertical intermediate member for connecting the swinging axle to the frame and elastic means coaxial with said intermediate member interposed between the intermediate member and the frame for allowing a limited motion of the swinging axle in a horizontal plane.

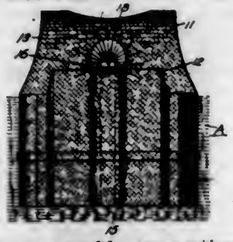
2,070,818
LIFESAVING JACKET WITH AUTOMATIC ELECTRIC LIGHTING UNIT

Gunnar A. F. Winckler, Worcester, Mass., assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass., a corporation of Massachusetts

Application February 9, 1934, Serial No. 710,412
Renewed June 9, 1936
7 Claims. (Cl. 240—6.4)

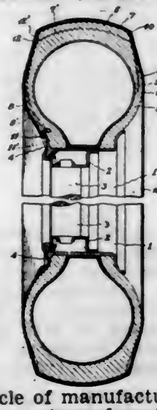
1. In a life-saving jacket, in combination with an automatic sea water link electrical generator having positive and negative poles operating in saline solution when the generator is immersed

therein, a lamp carried by the generator to be energized thereby, a pocket in the jacket open



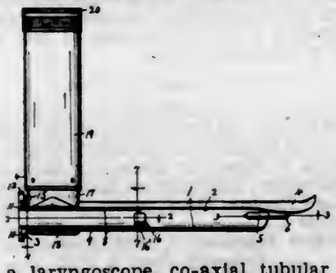
at one end for removably supporting the generator.

2,070,819
TIRE COVER
Oscar U. Zerk, Cleveland, Ohio
Application July 23, 1931, Serial No. 552,635
8 Claims. (Cl. 150—54)



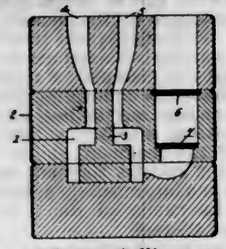
1. As an article of manufacture, a rubber tire cover comprising a circumferential portion and a zigzagged metallic element extending in alternately different directions from one side of said portion to the other to provide substantially approximately parallel lengths of metallic material, affixed to said portion, said zigzag element comprising a flat strip of metal extending circumferentially over the said rubber portion and slitted at intervals from opposite sides of the strip to near the other side.

2,070,820
LARYNGOSCOPE
William N. Allyn, Auburn, N. Y.
Application October 6, 1933, Serial No. 692,384
2 Claims. (Cl. 128—11)



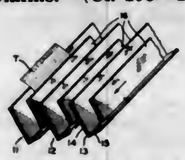
1. In a laryngoscope, co-axial tubular members, one within the other, and each provided with a lengthwise opening through one side, said members being relatively adjustable about their axis to open and close said openings, one of said members being displaceable axially from the other member, and means controlled by the relative turning of said members for preventing their axial displacement when in one position and for permitting such axial displacement when in another position.

2,070,821
CASTING OF MAGNESIUM AND ITS ALLOYS
Frederick Badger, Point Pleasant, Wandsworth, London, England, assignor to Magnesium Castings and Products Limited, Slough, Bucks, Great Britain
Application November 22, 1934, Serial No. 754,345
In Great Britain November 22, 1933
1 Claim. (Cl. 22—134)



A mold for casting metallic magnesium and its alloys, having a mold cavity and a runner leading to the lower part of said mold cavity, and a plurality of foraminous plugs in said runner, located at different levels in the height thereof, the penultimate plug having a larger free area for the passage of molten metal than the last plug.

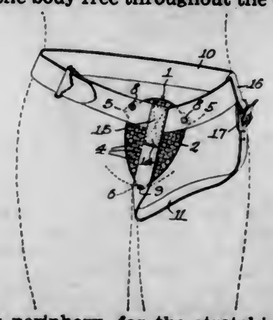
2,070,822
BELT CONVEYER
Bruce Beardsley, Brooklyn, N. Y., and Michael Creedon, Westfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Original application December 31, 1931, Serial No. 584,204. Divided and this application February 4, 1935, Serial No. 4,975
10 Claims. (Cl. 198—160)



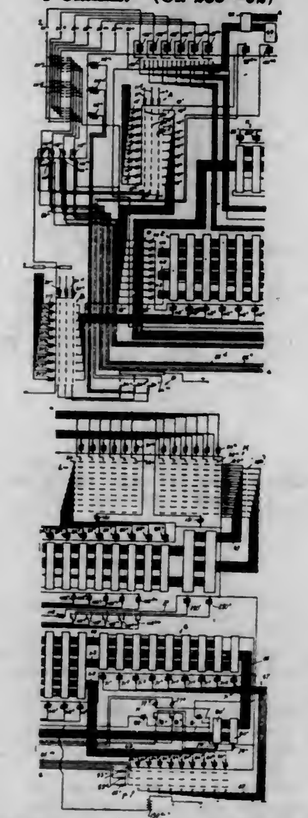
1. In a conveyer for sheet material, the combination of a drag channel comprising a back portion, an outwardly flaring side portion joined thereto, and a belt travelling along said channel in engagement with the back portion for conveying sheet material between it and the back portion, said channel side portion being arranged to provide a lateral guide for both the belt and the sheet material.

2,070,823
SUPPORT
Frank H. Boling, Arcadia, Fla.
Application August 16, 1935, Serial No. 36,604
3 Claims. (Cl. 128—99)

1. In a device of the class described, a truss pad comprising a resilient body having the form of an approximate triangle, the body being curved longitudinally and transversely, both internally and externally, toward the torso of the wearer, to form an open recess in the forward portion of the body, a resilient reenforcement connected to the body within the recess and substantially coextensive in area with the recess; and supporting, pad-tensioning and pad-compressing means connected to the body at the angles of said approximate triangle, thereby leaving the reenforcement free, and the body free throughout the major portion of its periphery, for the stretching and alteration of form incident to a change in the curvature of the body as the pressure of the pad on the torso of the wearer is increased.

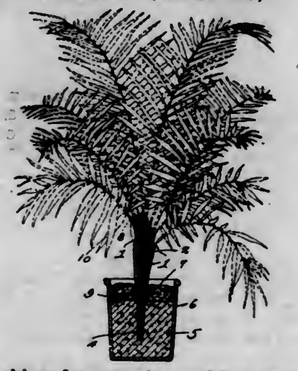


2,070,824
ELECTRIC CALCULATING MACHINE
René Edmond Boutet, Paris, France
Application December 27, 1934, Serial No. 759,387
In France February 14, 1934
9 Claims. (Cl. 235—92)



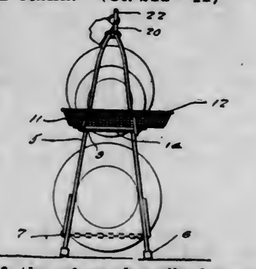
1. A calculating machine comprising a multiplicand storage indicator, a multiplier storage indicator, a product storage indicator and a tens storage indicator, electric contact means selectively operable by said multiplicand and multiplier storage indicators, a distributor adapted to send an electric current successively into each denomination of the multiplier storage indicator, and, for each of said denominations of the multiplier storage indicator, into each denomination of the multiplicand storage indicator, a group of multiplying circuits adapted to be connected to said multiplicand and multiplier storage indicators and giving the units figure and the tens figure of each partial product, electromechanical means for transferring said units figure to said product storage indicator, electromechanical means for temporarily storing said tens figure in said tens storage indicator, electromechanical tens adding means for adding to the units figure of each partial product the tens figure temporarily registered during the formation of the preceding product, and electromechanical means for adding to each total figure transmitted by said tens adding means the preceding figure stored by the product storage indicator in the same denomination.

2,070,825
ARTIFICIAL PALM
William Buhrow, Minneapolis, Minn.
Application September 23, 1936, Serial No. 102,217
3 Claims. (Cl. 41—15)



1. A holder for use in making an artificial plant, comprising a tapered cup a tubular cover housing and securely mounted on the cup, and a prong secured to the lower end of the cup and extended below the lower end of the cover, the cover being so constructed as to simulate the stem of a leaf of the plant selected.

2,070,826
DISH RACK
Herman J. Dick, Jr., Shamokin, Pa.
Application April 14, 1936, Serial No. 74,350
1 Claim. (Cl. 211—41)



A device of the class described comprising a pair of frames of substantially inverted U-shaped

formation, means swingably connecting the upper ends of the frames together, the lower ends of the frames being movable toward each other into a collapsed position, partition means provided in the frames, a tray, and means for supporting the tray on the frames, said means including a pair of parallel rods on which the tray is supported in bridging position when the frames are in their open position, one of said rods freely supporting the tray and the other rod being swingably connected to the tray to provide for the movement of the tray parallel to the frames when the latter are collapsed.

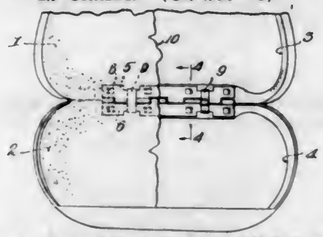
2,070,827

HINGE CONSTRUCTION FOR EYEGLASS CASES AND THE LIKE

Richard M. Dugdale, Dedham, Mass., assignor to Farrington Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application March 28, 1935, Serial No. 13,409

12 Claims. (Cl. 206—6)



9. A case comprising sheet-metal top and bottom parts and a hinge for pivotally interconnecting the parts along juxtaposed edges, one of the parts having an inwardly folded flange along its said edge and tongues struck inwardly from said flange about base lines extending transversely of said edge for attachment to said hinge.

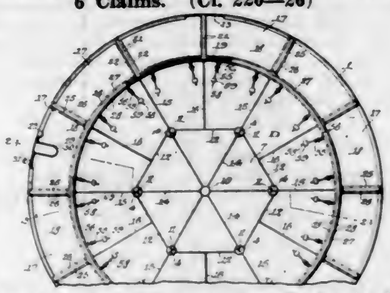
2,070,828

FLOATING DECK FOR TANKS

Clifford A. Ellis, Ridgefield, N. J., and William F. Edwards, Warren, Ohio, assignors to The Warren City Tank & Boiler Company, Warren, Ohio

Application April 6, 1934, Serial No. 719,384

6 Claims. (Cl. 220—26)



1. In a device of the class described, a tank including a body, a deck in the tank, pontoons arranged about the periphery of the deck, each pontoon comprising a bottom, an inner member, substantially radial end walls, and an outer wall carried by the end walls, the outer wall having its lower end overlapped on the bottom, the outer wall being outwardly convexed, and having its convexed portion in slidable engagement with the body of the tank, and means for yieldably connecting the inner members of the pontoons with the periphery of the deck.

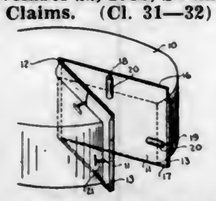
2,070,829

CHEESE-PROTECTING DEVICE

William L. Everly, Akron, Ohio

Application November 22, 1933, Serial No. 699,186

10 Claims. (Cl. 31—32)



9. A device for protecting the irregular cut face of a cake or block of cheese comprising a flexible backing member, holders associated with the backing member and adapted to be embedded in the cheese, and a soft, deformable layer on the backing member adapted to be held under compression by the holders between the backing and the face of the cheese.

2,070,830

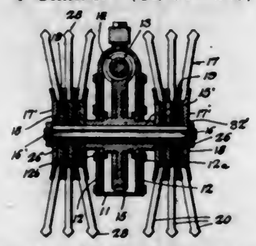
ROTARY PLOW

Benjamin F. Gravely, Dunbar, W. Va.

Application June 29, 1933, Serial No. 678,283

Renewed July 13, 1936

7 Claims. (Cl. 97—216)



1. A tine assembly unit for rotary plows including a plurality of disks, said disks having central portions and marginal portions, said marginal portions being turned out of the plane of said central portions, flexible implements having parts rigidly held between said central portions and parts mounted for movement between said marginal portions, and means for clamping said disks together.

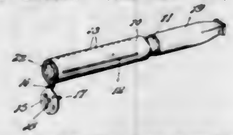
2,070,831

SMOKING TUBE

George F. Grundon, Middletown, Pa.

Application August 12, 1935, Serial No. 35,858

1 Claim. (Cl. 131—51)



In a smoking tube, the combination of a one-piece barrel stepped in diameter near its rear end to provide a reduced nipple at the rear end of the barrel adapted to frictionally receive one end portion of a cigarette and hold the cigarette centered within the barrel, the barrel being formed at diametrically spaced points with narrow longitudinal V-shaped slots extending throughout the major portion of the length of the barrel to afford uninterrupted ventilation for the cigarette when lighted and being provided midway between said slots with diametrically

spaced longitudinal rows of spaced openings to afford ventilation auxiliary to said slots, the barrel being imperforate between the slots and said rows of openings, a mouthpiece having a chamber therein to frictionally receive said nipple and of a length to freely accommodate the adjacent end of the cigarette when projected through the nipple, the nipple being imperforate for snuffing the cigarette and preventing overheating of the mouthpiece, and a closure for the forward end of the barrel.

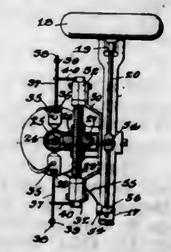
2,070,832

STEERING DEVICE

Louis H. Johnson, San Antonio, Tex., assignor to Southern Equipment Company, San Antonio, Tex., a corporation of Texas

Application May 7, 1935, Serial No. 20,246

1 Claim. (Cl. 180—79.1)



In combination with a vehicle having an axle, supporting wheels mounted for steering movement on said axle, and a tie rod operatively connected to said wheels for steering the latter, of a unitary steering device supported by said axle and operatively connected to said tie rod for actuating the latter, said device including a reversible electric motor, a casing, a horizontally disposed screw extending through said casing, a gear arranged within the casing and rotatably mounted on the screw for moving the latter in opposite directions, transmission means operatively connecting the gear and motor whereby the latter drives said gear, a yoke depending from the screw and having its ends fixed to the latter and guided laterally by said casing, a universal joint connecting the yoke to the tie rod, safety switches for said motor, means operatively connecting said switches to said screw for actuating one or the other of said switches when the screw moves axially a predetermined distance in either direction, and a main switch for controlling the motor.

2,070,833

METHOD OF TREATING ALUMINIUM ALLOY AND PRODUCT

Fred Keller and Charles M. Craighead, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application October 25, 1934, Serial No. 750,020

8 Claims. (Cl. 148—21.1)

1. A method of improving aluminum base alloys composed of aluminum, magnesium silicide and about 0.1 to 4 per cent copper, said method comprising adding at least 0.5 per cent magnesium silicide in excess of the amount soluble at the temperature of heat treatment, heating the alloy to a temperature above 500° C. but below the temperature of incipient fusion until substantially the maximum amount of soluble constituents has been dissolved, and rapidly cooling from the elevated temperature to ordinary temperatures.

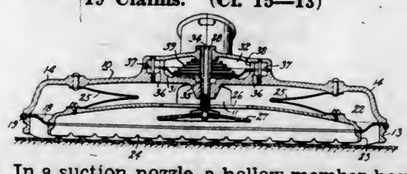
2,070,834

SUCTION NOZZLE

Fredrik Johan Robert Karlström, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application April 20, 1935, Serial No. 17,381

19 Claims. (Cl. 15—13)



1. In a suction nozzle, a hollow member having an intake opening and an opening adapted to be connected to a source of suction, means including a flexible diaphragm and an agitator located in said member in the path of air flow between said openings and movable due to variations in air pressure acting thereon, said means being formed with a passage for flow of air therethrough, and means operative by movement of the first mentioned means for increasing and decreasing flow of air through said passage to cause fluctuations in the pressure acting on said first mentioned means.

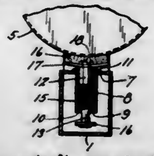
2,070,835

SPOOL RETARDING BRAKE DEVICE FOR AXMINSTER LOOMS

Horace La France, Springfield, Mass., assignor to Hodges Carpet Company, Inc., Indian Orchard, Mass., a corporation of Massachusetts

Application April 3, 1936, Serial No. 72,476

1 Claim. (Cl. 139—10)



In combination, a tuft supply frame comprising a hollow carrier bar provided with means for rotatably supporting thereon a flanged yarn spool, the upper wall of said hollow bar having an opening therein to provide a receptacle for a brake unit adapted to act radially against the spool flange, said brake unit comprising a cup-shaped case snugly fitting into said receptacle opening for being slidably removed therefrom, and having an outwardly flanged rim to limit the movement of said case into said receptacle opening when inserted therein, a plunger slidably mounted in the casing and provided on its upper end with a brake shoe adapted to bear against said spool flange, spring means confined within the casing between the plunger and the bottom of the casing to urge the plunger outwardly of the casing and means to limit the movement of the plunger outwardly and upwardly of the casing.

2,070,836

METHOD FOR OBTAINING FLUID SAMPLES FROM DRILLED WELLS

George A. Macready, Los Angeles, Calif.

Application October 1, 1935, Serial No. 43,074

2 Claims. (Cl. 166—1)

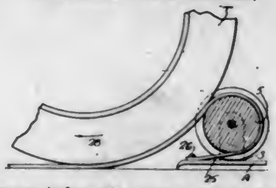
1. A method of obtaining fluid samples from wells which consists of inserting a tube into a well, temporarily sealing the tube against the wall of the well to exclude fluid in the well above

the seal from entering the interior of the tube, causing a sample of fluid from below the seal to enter the tube, breaking the temporary seal, supplying a measured quantity of liquid into the well outside the tube sufficient to displace said sample



upwardly through the tube to discharge from the top of the tube for inspection and identifying as the sample that fluid which has discharged from the top of the well when the quantity of liquid supplied outside the tube is substantially equal to the interior cubic volume of said tube.

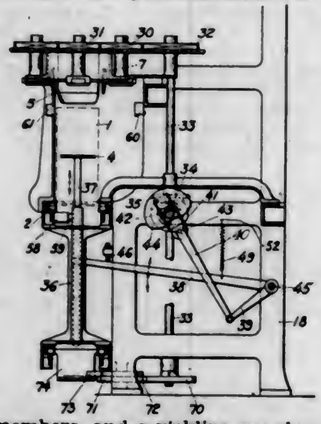
2,070,837
POWER TRANSMISSION DEVICE
Frank D. Martin, Bedford, Ind.
Application July 27, 1935, Serial No. 33,574
1 Claim. (Cl. 74—14)



In a power take-off device comprising a platform adapted to rest in stationary position on the ground, traction wheels supported in elevated spaced relation on the platform so that different parts of an automobile wheel shall bear upon them, a power transmission belt connected with one of the traction wheels, and a flexible ramp secured at one end only to the platform below the level of the traction wheels having an intermediate portion trained about a segment of one of the traction wheels whereby the traction wheel is locked when the automobile wheel holds the flexible ramp against the traction wheel while going on or coming off the traction wheels.

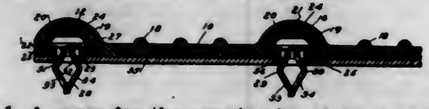
2,070,838
METHOD OF AND APPARATUS FOR FORMING CONTAINERS FOR PACKAGES
Gustaf Örström, Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a corporation of Sweden
Application December 15, 1933, Serial No. 702,616
In Sweden December 19, 1932
9 Claims. (Cl. 93—6)

1. An apparatus for forming containers for packages having a plurality of sides constituting a tubular body, including a pair of coacting members adapted to act upon opposite surfaces of a side of said tubular body to apply grooves to said side, a pusher adapted to move said tubular body into operative position relative to said co-



acting members, and a yielding member adapted to engage material supplied to said container and automatically arrest said pusher.

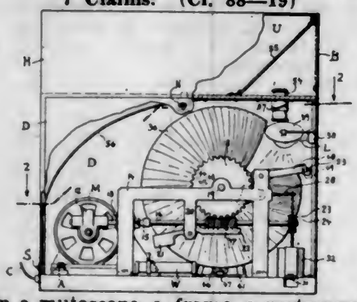
2,070,839
RUNNING BOARD ASSEMBLY
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application July 13, 1934, Serial No. 735,045
15 Claims. (Cl. 280—169)



1. A cover for the running board of a vehicle or the like, consisting of a body of vulcanized rubber composition and metallic fastening receiving and reinforcing strips embedded in said body, said strips being exposed from the normal underside of the cover for interlocking fasteners therewith and being completely covered by said body except to permit the passage of fasteners.

3. A mat or the like comprising a body of initially plastic material and a plurality of hollow metallic moulding strips embedded therein, and grooves formed in said body and said strips whereby fasteners can be assembled in and adjusted along said strips with parts thereof passing through said grooves.

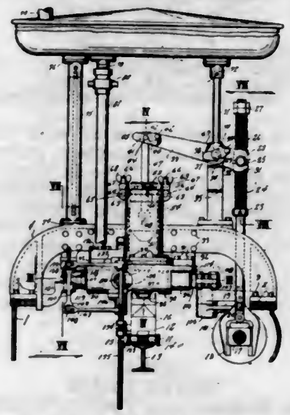
2,070,840
PROJECTION MUTOSCOPE
William Rabkin, New York, N. Y.
Application June 8, 1933, Serial No. 674,782
7 Claims. (Cl. 88—19)



1. In a mutoscope, a frame, a mutoscope card wheel, a gear on said frame driving said wheel, a

driving means, a worm shaft driven by said means, extending therefrom and swingable into mesh with said wheel, a rotatable collar on the free end of said shaft, a hook hinged upon said frame and said collar, said worm shaft being out of mesh with said gear when depending at its free end from said hook, a solenoid, a stem depending from said collar, and a core piece on said stem, lifting said stem when said solenoid is excited and swinging said shaft from said depending position into a position of mesh with said gear, said collar being swung around the point at which it is hingedly depended from said hook into a position substantially above said point.

2,070,841
LIQUID HANDLING MECHANISM
Carleton W. Reade and Henry T. Scott, Toledo, Ohio, assignors to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application November 11, 1931, Serial No. 574,296
Renewed July 27, 1936
18 Claims. (Cl. 226—99)

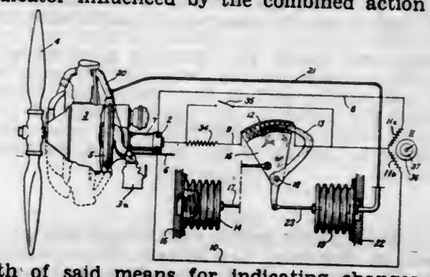


6. In a mechanism for filling containers, in combination, a measuring cylinder having a port for the introduction and discharge of material, said cylinder having spaced stops for limiting the reciprocatory movement of a piston positioned in said cylinder between the stops, and a device for actuating the piston to have contact with said stops alternately, which device includes resilient means for cushioning the impact of said piston against said stops, respectively.

14. A volume measuring apparatus embodying a series of measuring chambers, a conveyor adapted to transport means for receiving charges from the chamber in sequence, a drive for the conveyor having measuring effecting connections to the chambers, and selective cut out means having connections to defeat advance filling of a chamber independently of disturbing the drive for the conveyor.

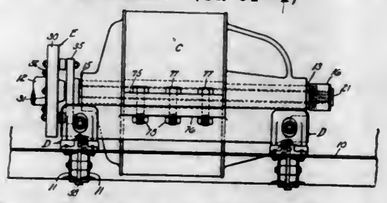
2,070,842
HORSEPOWER METER
Wladimir A. Reichel, Philadelphia, Pa., Clinton H. Havill, South Orange, N. J., and Morris F. Ketay, Brooklyn, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 20, 1934, Serial No. 712,228
16 Claims. (Cl. 73—187)

11. In combination, an aircraft engine, means controlled by the power of said engine, means responsive to changes in barometric pressure, and an indicator influenced by the combined action of



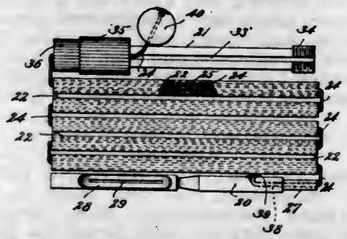
both of said means for indicating changes in horsepower of said engine.

2,070,843
DYNAMO AND DRIVE THEREFOR
Charles De Los Rice, West Hartford, Conn.
Application January 18, 1934, Serial No. 707,198
4 Claims. (Cl. 64—1)



1. In combination, a drive unit having a shaft, an electric dynamo having an armature shaft aligned with said drive shaft and provided with a through bore, an intermediate shaft of smaller diameter than and extending through said bore, a flexible driving coupling between one end of said intermediate shaft and drive shaft, and a slidable driving connection between the other end of said intermediate shaft and armature shaft, said connection between said intermediate shaft and armature shaft permitting of slight longitudinal movement between said shafts during rotation.

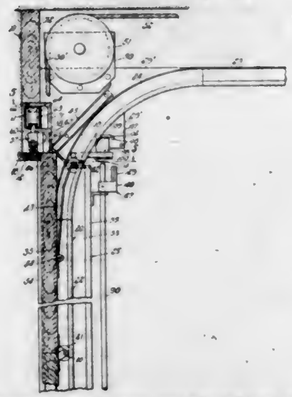
2,070,844
CLEANING ROD FOR FIREARMS
Lester S. Riley, Reading, Mass.
Application January 17, 1936, Serial No. 59,537
11 Claims. (Cl. 42—91)



1. A device of the character described comprising a cleaning terminal, a tubular handle terminal provided with an exterior thread on its outer end, a plurality of tubular sections intermediate said terminals, each of said tubular sections comprising an outer tube and an inner tube of the same length slidable therein, said cleaning terminal having a shank projecting into the outer tube of the adjacent tubular section for forming a slip joint therewith and for projecting the inner tubes of all of said sections toward

the handle terminal to form slip joints between all the other sections, a flexible connecting member having one end fastened in said shank and extending through said tubular sections and said handle and having its other end provided with a locking member, and a sleeve slidably mounted on said handle portion and having an interior thread for engaging the threaded end of said handle terminal for tightening said connecting member to hold all of said sections in assembled relation.

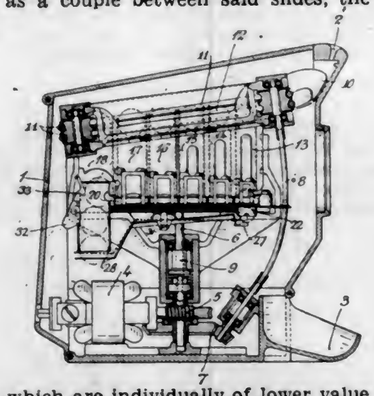
2,070,845
OVERHEAD DOOR CONSTRUCTION
David M. Robinson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application April 19, 1934, Serial No. 721,298
Renewed July 17, 1936
10 Claims. (Cl. 20—20)



1. In an overhead door construction, a plurality of doors adapted to be located within a building and to close a door opening thereof, a pair of tracks for each door for supporting and guiding the same from a vertical closed position to a substantially horizontal overhead position, each of said tracks having a vertical portion, a horizontal portion and a curved connecting portion; a removable post for supporting the vertical portions of two adjacent intermediate door tracks and movable from an operative position within the door opening to a position at one side of the door opening and within the building, a cross track within the building and above the door opening and located forwardly of said curved connecting portions of said tracks, and a traveling carrier supported by said track and from which said post is suspended for movement from the door opening to one side thereof and within the building.

2,070,846
PAYING AND MONEY CHANGING DEVICE
Hjalmar Samuelsen, Oslo, and Jacob de Rytter Kielland, Vinderen, near Oslo, Norway
Application April 27, 1935, Serial No. 18,586
In Norway February 12, 1935
2 Claims. (Cl. 194—85)

1. In a money changing device which records payments and returns change for payment in excess of a stipulated amount of payment, a driving slide having openings therein, means whereby said driving slide can be reciprocated, a coin-releasing slide, underlying said driving slide, and having pockets therein, said coin-releasing slide being adapted to be coupled to said driving slide by a coin, the said coin-releasing slide, if necessary, releasing coins the sum of which will represent the proper change, coin stacks overlying the openings in said driving slide, a lever extending between said pockets and pivoted therebetween, the ends of said lever being adapted to underlie said pockets, so that after one coin has been introduced into one pocket and rests on one end of said lever, introduction of another coin through the other pocket will depress the other end of the lever, and will raise the first coin to serve as a couple between said slides, the said



coins which are individually of lower value than the stipulated amount of payment, passing, when fed into the device, from the coin stacks through the openings in the driving slide to the pockets in the coin-releasing slide, said pockets being so deep that the first of the said coins which individually has a value less than the said stipulated amount of payment will not engage the driving slide until additional coins have been fed in, and therefore will not cause coupling between the two slides.

2,070,847
BRAKE DRUM
William D. Sargent, New York, N. Y., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del., a corporation of Delaware
Application August 1, 1931, Serial No. 554,524
9 Claims. (Cl. 188—218)

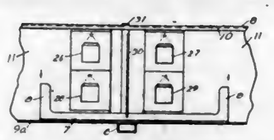


2. A brake drum comprising a shell having an inner tapered surface, a liner secured in the shell having a corresponding outer tapered surface in engagement with the inner shell surface, said shell being cut away to form spaced elements, a circumferential flange secured to the ends of the elements, and ribs on the elements.

2,070,848
METHOD FOR PREPARING ALIPHATIC-AROMATIC ETHERS
Waldo L. Semon, Silver Lake, and Robert V. Yohe, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 12, 1934, Serial No. 757,170
5 Claims. (Cl. 260—128)

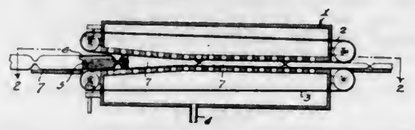
1. The method of preparing aliphatic ethers of arylaminophenols which comprises heating an aliphatic chloride with an arylaminophenol in an aqueous alkaline solution.

2,070,849
INSTRUMENT FOR CORRECTING EYES
Reuel A. Sherman, Washington, D. C.
Application July 2, 1931, Serial No. 548,328
2 Claims. (Cl. 88—20)



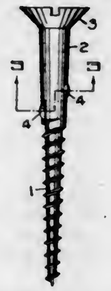
1. A view mounting for use in stereoscopes having a pair of duplicate views thereon and a pair of stereoscopic views of the same subject, one of each pair being within the view space of each eye.

2,070,850
MEAT PRODUCT
Frank W. Trabold, Detroit, Mich.
Application November 15, 1935, Serial No. 49,956
6 Claims. (Cl. 53—5)



1. An apparatus for cooking Frankfurters comprising an oven, a conveyor in said oven, a second conveyor above the first named conveyor with the lower flight in slightly spaced relation with the upper flight of the first conveyor whereby a Frankfurter travelling on said first conveyor is subjected to pressure by said upper conveyor.

2,070,851
WOOD SCREW
Gordon T. K. Woodley, Waterford, Ontario, Canada
Application October 4, 1935, Serial No. 43,578
3 Claims. (Cl. 85—41)



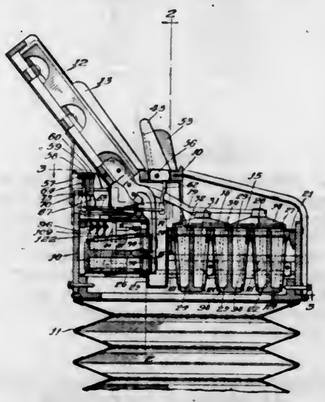
1. In a wood screw having a threaded and an unthreaded tapered portion constituting its shank, the combination with the unthreaded tapered shank portion, of a vertically directed lug extending laterally outwardly from the surface of the unthreaded shank portion and having an outer wall tapering from its free extremity to the junction with the surface of the unthreaded shank portion in the direction of rotation of the screw in driving it into the wood, the free extremity of the lug being disposed within the maximum cross-sectional circumference of the unthreaded tapered shank portion.

2,070,852
METHOD OF FORMING LINED PIPE ENDS
William Ewart Bannerman, Toronto, Ontario, Canada
Application April 6, 1935, Serial No. 15,013
8 Claims. (Cl. 153—81)



1. In a method of forming the ends of lined pipes, the steps which consist in cutting through the shell of the pipe by a circumferential incision spaced a predetermined distance from the pipe end, removing the portion of the shell between the incision and the pipe end leaving the end of the liner protruding beyond the remaining portion of the shell, and flanging such protruding portion of the liner so that it completely covers the end of the remaining portion of the shell and is in intimate contact therewith.

2,070,853
PIANO ACCORDION
Maurice H. Berlin, Chicago, Ill., assignor to Chicago Musical Instrument Company, Chicago, Ill., a corporation of Illinois
Application June 25, 1936, Serial No. 87,288
8 Claims. (Cl. 84—376)

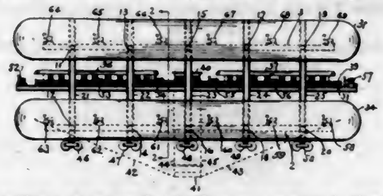


1. A piano accordion comprising a housing, a plurality of sets of reeds in the housing, slidable means for each set of reeds for controlling the passage of air, a plurality of manually and simultaneously operable switches, and operative connections between each of said switches and the slidable means of a set of reeds for actuating said slidable means.

2,070,854
AIR VEHICLE
William H. Boyes, Brooklyn, N. Y., assignor of one-half to Murry Kopita and Joseph Wasserstein
Refiled for abandoned application Serial No. 329,972, January 3, 1929. This application April 15, 1930, Serial No. 444,522
6 Claims. (Cl. 244—24)

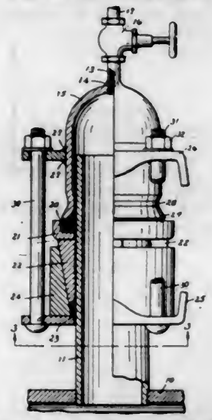
1. An air vehicle of the character described, comprising a rigid, elongated structure having a cross-sectional shape resembling a square and four elongated cylindrical containers serving as

supporting mediums secured in spaced relation, parallel, to each other, having their longitudinal



centerline arranged at the corners of the said square structure.

2,070,855
BULL PLUG PIPE CONNECTION
William F. Bronsell, Edna, Tex.
Application November 30, 1934, Serial No. 735,282
2 Claims. (Cl. 138—89)



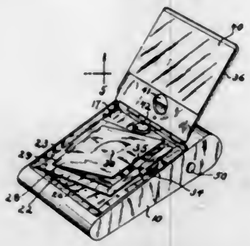
1. The combination with a pipe line of a bull plug comprising a plurality of slips gripping the pipe adjacent its end, a slotted ring holding said slips, a follower engaging said ring, a resilient washer engaging said pipe, a follower engaging said slips and surrounding said washer, a plug encompassing the end of said pipe and abutting said washer and means interconnecting said first named follower, and said plug.

2,070,856
PURIFICATION OF WATERS WITH HYDROGEN PEROXIDE
Elmore E. Butterfield, Forest Hills, N. Y.
No Drawing. Application September 16, 1931, Serial No. 563,235
3 Claims. (Cl. 210—2)

1. The method of purifying sewage containing nitrogenous matter characterized by the presence of protein and its degradation products, comprising separating out the suspended matter by the use of an absorptive and adsorptive cellulosic substrate, and by the use of lime as a precipitating agent, said lime being in excess, leaving the resulting effluent alkaline, thereafter adding hydrogen peroxide as an oxidizing agent, and concurrently therewith carbon dioxide as an adjuster of the hydrogen ion concentration.

2,070,857
LIGHT EQUIPPED VANITY CASE
Myron J. Davis, Detroit, Mich.
Application September 4, 1934, Serial No. 742,566
Renewed August 17, 1936
1 Claim. (Cl. 240—6.45)

In a device of the character described, a case having convergent sides and thicker at one end than the other, a compartment for cosmetics or the like arranged in a thinner end of the container, electric lighting means carried by the case including a cell arranged in the thicker end of the case, a bulb connectible to the cell and arranged between the cell and the cosmetic com-



partment, said compartment and the bulb and cell being arranged in generally coplanar relation, a lid defining one of the convergent sides of the case and hinged thereto between the cell and bulb, and a mirror surface carried upon the inside of said lid, said lid being apertured to expose the bulb when closed.

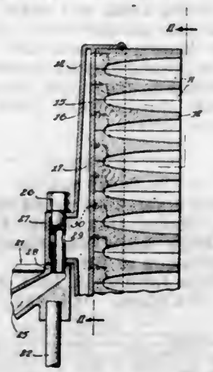
2,070,858
APPARATUS FOR DISINFECTING SHOES AND THE LIKE
Leonard A. Des Jardins, Niles Center, and Fred R. Fleming, Chicago, Ill.
Application June 24, 1935, Serial No. 28,150
2 Claims. (Cl. 219—19)



1. A shoe sterilizer comprising an elongated metal container having a tapered portion at one end thereof for insertion into the toes of shoes, a thickened portion at the other end of said container, a cover disposed over the end of said thickened portion for closing said container, mica sheets having nichrome wires wound around them for forming a heating element in said container, a thermostat casing secured on said mica sheets in electrical circuit with the heating element wires, a bimetallic arm in said casing in insulated relation therefrom, a contact point threaded through said thermostat casing for contacting said bimetallic arm, and means for connecting said bimetallic arm with an electrical conductor whereby an electrical circuit may flow through said nichrome wires when said bimetallic arm contacts said contact point.

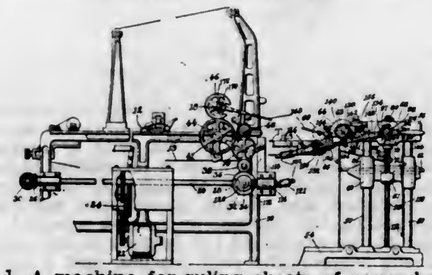
2,070,859
RADIANT CELL GAS BURNER
Alonzo H. Don Howe, Chicago, Ill.
Application December 15, 1932, Serial No. 647,379
15 Claims. (Cl. 158—104)

1. A gas burner comprising combustion cells arranged in multiple, each cell formed from a structure of refractory material and being of elongated shape with a narrowing closed inner end and with increasing diameter toward the outer end, and a nozzle structure centrally disposed at the inner end of the cell, the nozzle comprising annularly arranged orifices discharging substantially tangentially into the inner end of the cell, and manifold means for supplying a



gaseous combustible mixture to each of the nozzle structures.

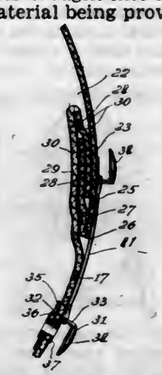
2,070,860
RULING MACHINE
Robert T. Duffy, Boston, Mass.
Application July 1, 1935, Serial No. 29,256
7 Claims. (Cl. 33—41)



1. A machine for ruling sheets of paper having, in combination, a plurality of ruling devices and means for advancing sheets to said ruling devices, sheet-feeding apparatus having a movable support for a stack of sheets and means for intermittently elevating said support, a main driving shaft, actuating connections to the driving shaft individual to the ruling devices and sheet advancing means, and actuating connections to the driving shaft individual to the support-elevating means.

2,070,861
WATERPROOF INSULATING MATERIAL
William R. Gillies, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application March 29, 1935, Serial No. 13,601
4 Claims. (Cl. 154—44)

1. In an insulating covering, the combination of a supporting fabric of woven asbestos with a plurality of asbestos rovings arranged in a plurality of layers carried by said fabric, said rovings being so arranged as to cause the rovings of one layer to overlap the joints between rovings of another layer, and an initially plastic waterproofing composition impregnating said asbestos fabric and providing said fabric with a waterproof layer, the edges of said fabric extending beyond said rovings and being folded backward and stitched to the body of the fabric in such manner as to form a loop, the loops of said fabric having their edges brought into abutting relation and sufficient material being provided beyond the



loops to overlap the material at the opposite edge underneath the abutting loops.

2,070,862
APPARATUS FOR TESTING THE VISCOSITY OF LIQUIDS
Clifford S. Healy, Chicago, Ill.
Application March 2, 1933, Serial No. 659,300
5 Claims. (Cl. 265—11)

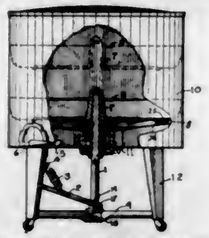


1. Apparatus of the class described comprising two plates adapted to receive a quantity of the liquid therebetween and arranged for relative converging motion to establish a body of the liquid of predetermined dimensions between said plates, and arranged for relative separating motion to test the resistance of said body of liquid to said separating motion, a reciprocable member connected to one of said plates, a knob for transmitting pressure to said reciprocable member for causing said relative converging motion, spring means interposed between said knob and said reciprocable member for yieldingly effecting said converging motion, spring means coacting with said reciprocable member for causing said relative separating motion, electrically operated time indicating means, and means for controlling the operation of said indicating means in response to the time interval that the body of liquid effectively resists said separating motion.

2,070,863
CLOTHES WASHING MACHINE
Robert Bruce Morrison, Detroit, Mich.
Application March 13, 1931, Serial No. 522,471
4 Claims. (Cl. 68—15)

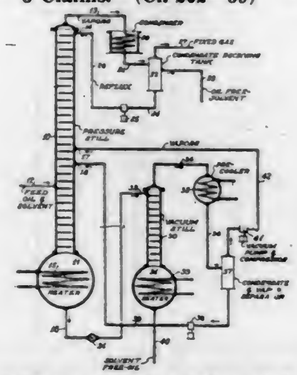
1. A clothes washing machine comprising an upright stationary tub, a slidable shaft projecting

into said tub through the bottom, an agitator having a sleeve mounted on said shaft, a perforated disc plate extending from and connected to the bottom of said sleeve, a pan in the form of a ring having a flange portion surrounding the pe-



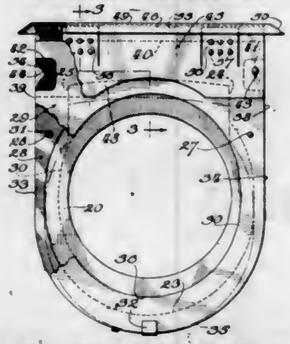
ripheral edge of the said plate in overlapping relation and spaced therefrom, and having an apertured upwardly flaring portion merging in said flange, a lever slidably connected to the shaft, and means for moving the lever to raise said shaft, said agitator and said ring.

2,070,864
DISTILLATION
Edward G. Ragatz, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 19, 1933, Serial No. 694,300
3 Claims. (Cl. 202—39)



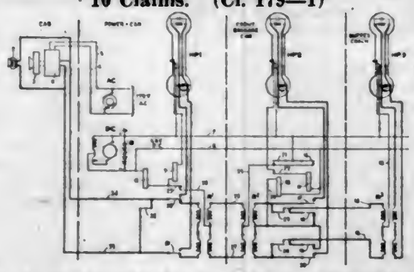
3. A process for making a sharp separation of a high vapor pressure solvent and a low vapor pressure hydrocarbon oil from a feed mixture thereof comprising fractionally distilling the feed mixture in a high pressure fractionating column under pressure sufficient to allow condensation of the substantially pure high vapor pressure solvent overhead vapors at normal cooling water temperatures and producing a low vapor pressure hydrocarbon oil bottoms component containing a sufficient quantity of the residual high vapor pressure solvent in solution to develop the required condenser pressure, fractionally distilling said bottoms in a low pressure stage under pressure sufficiently reduced to strip the residual high vapor pressure solvent from the oil and to produce a low pressure stage hydrocarbon oil bottoms substantially free from the high vapor pressure solvent and an overhead stripping vapor mixture of hydrocarbon oil and solvent, condensing that portion of the said overhead stripping vapors which is condensible at normal cooling water temperatures, returning the resultant partial condensate to an intermediate stage in the high pressure fractionating column, compressing and returning the uncondensed portion of the said low pressure overhead vapors to an intermediate stage in the high pressure fractionating column and withdrawing from the high pressure fractionating column an overhead high vapor pressure solvent condensate substantially free from the low vapor pressure hydrocarbon oil and withdrawing a bottoms from the low pressure fractionating stage substantially free from the high vapor pressure solvent.

2,070,865
DUST GUARD ASSEMBLY
Lawrence A. Rowe, Oak Park, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application January 2, 1935, Serial No. 8
12 Claims. (Cl. 286—6)



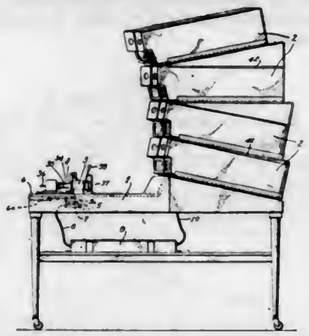
1. In a dust guard for railway car journal boxes, the combination of a non-abrasive guard adapted to surround a journal with a housing adapted to support said guard for sliding movement in a multiplicity of different directions, said housing also having an enlarged aperture surrounding the journal and being adapted to assist in the closure of the opening in the journal box surrounding said journal, and a cover adapted to be fixedly secured to the dust guard well, said cover and housing having a sliding connection to permit limited movement of said housing with respect to said cover, said cover being provided with stop means limiting the sliding connection between said cover and housing whereby the cover and housing may be removed as a unit.

2,070,866
TELEPHONE SYSTEM
Norman H. Saunders, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 2, 1935, Serial No. 34,354
10 Claims. (Cl. 179—1)



1. A train telephone system comprising a transmitter, an amplifier and a loud speaker in the cab, telephones located at different points on the train, a line permanently connected to said apparatus in the cab and extending through the train, means associated with each one of said telephones for connecting it to said line at will, and a talking circuit including the connected telephone and said transmitter, amplifier, and loud speaker.

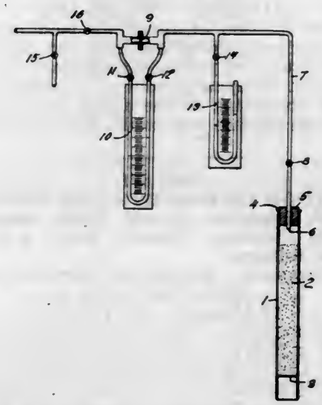
2,070,867
TUNING APPARATUS
Victor H. Severy, Glendale, Calif.
Application December 4, 1935, Serial No. 52,794
10 Claims. (Cl. 84—454)



1. In tuning apparatus for tuning a musical instrument having vibrators, means for vibrating the vibrator that is to be tuned, an electric circuit, means for developing impulses in the electric circuit at the same frequency as that of the vibrator to be tuned, means for developing an electric current from the first-named circuit in which the said impulses are amplified, a translating device receiving said current for translating the impulses of the amplified current into audible notes, a gang of graduated test vibrators vibrated sympathetically by the said audible notes, and having predetermined natural frequency, said test vibrators including one whose natural frequency is that of the note to which the vibrator of the instrument is to be tuned and including other test vibrators having natural frequency respectively, above and below that of the said note, and means for indicating the relative activity of the test vibrators actuated through the agency of the translating device.

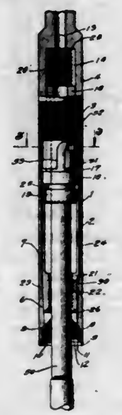
2,070,868
PROCESS FOR PACKING CATALYTIC REACTION VESSELS
Hosea H. Smith, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
Application December 12, 1934, Serial No. 757,213
6 Claims. (Cl. 23—288)

1. The process for preparing a reaction vessel for use in carrying out a catalytic treatment of a fluid, in which vessel a plurality of bodies of catalytic material occupies a plurality of separate compartments, the fluid to be treated passes from a unitary body of the same through the catalytic material occupying said compartments as a plurality of streams of fluid, the several streams of fluid after passing through the several compartments merge into a second unitary body of fluid and the flow of each of said streams through its respective compartment is induced by the differential pressure between the aforesaid unitary bodies of fluid, that improvement which comprises introducing into each of said compartments catalytic material in predetermined character and amount with respect to the character and amount of the catalytic material introduced into each of the other compartments and then adjusting the resistance of the catalytic



material in said compartments to the flow of a fluid therethrough by comparison with a predetermined standard differential in the pressure of a fluid entering and leaving the compartment containing the catalyst, to pass said last mentioned fluid through each of said compartments at a predetermined velocity.

2,070,869
OIL WELL DEVICE
Lee S. Sorensen, Long Beach, Calif.
Application August 27, 1934, Serial No. 741,697
4 Claims. (Cl. 294—102)



1. A combination release overshot and rotary socket, including a body member formed at one end with an inner tapered wall, a slip carrier within said body, slips secured to said carrier and adapted to engage said tapered wall, an annular nut secured to one end of said slip carrier and provided with annular teeth extending within said carrier, a sub secured to said body, and resilient means within said sub and bearing against said annular nut to urge said nut and said slip carrier in one direction.

2,070,870

PURIFICATION OF PECTIN SOLUTIONS

Victor E. Speas, Nathan M. Mnookin, and Arthur C. Metcalf, Kansas City, Mo., assignors to Speas Mfg. Co., a corporation of Missouri

No Drawing. Application June 17, 1935, Serial No. 27,046
14 Claims. (Cl. 99—133)

14. The method of removing lead from acid pectin solutions containing lead and calcium for the production of pectin substantially free from lead which comprises adding a precipitant of the class consisting of the alkali metal oxalates, ammonium oxalate and oxalic acid to such solution.

2,070,871

METHOD OF BRIGHTENING METALS

David B. Stockton, Detroit, Mich., assignor to Udylite Company, Detroit, Mich., a corporation of Indiana

No Drawing. Application May 13, 1935, Serial No. 21,276
16 Claims. (Cl. 148—8)

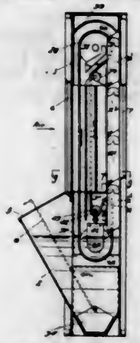
1. The method of brightening metals electronegative to iron and belonging to the second subgroup of the second group of the periodic system comprising subjecting the surface of the metal to the action of a solution of an oxy-acid of a pentavalent halogen.

2,070,872

GAS FILTER

Richard Strindberg, Worcester, Mass., assignor to Development Associates, Inc., Worcester, Mass., a corporation of Massachusetts

Application December 19, 1934, Serial No. 758,284
17 Claims. (Cl. 183—9)



15. In a filter construction, a casing, means within said casing for supporting a plurality of filter cells in stacked relation, a conveyor mechanism having means for releasably engaging each of said cells successively for withdrawing the latter from the stack and for returning the cell to said stack at the opposite end thereof, said stack of cells being located adjacent to the air discharge opening in the casing, and means provided by the casing and conveyor mechanism for locking said cells to the conveyor mechanism during movement of said cells.

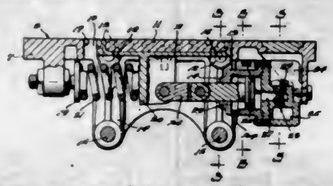
2,070,873

BRAKE TESTING APPARATUS

Francis H. Stroud, Seattle, Wash., assignor to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois

Application May 5, 1931, Serial No. 535,124
12 Claims. (Cl. 73—51)

11. In apparatus for determining the brake efficiency upon a wheel under vehicle momentum, means movable responsive to frictional engagement of the braked wheel thereon, compression spring mechanism yieldably resisting said movable means, and force-measuring means including a gauge arranged to resist the recoil energy of the spring mechanism for indicating the force of compression imparted by said movable means to the spring.

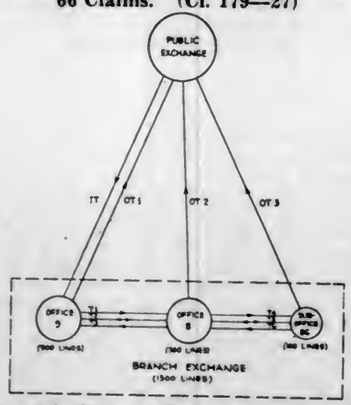


2,070,874

TELEPHONE SYSTEM

John H. Voss, Downers Grove, and Thomas F. Crocker, Chicago, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application September 16, 1935, Serial No. 40,686
66 Claims. (Cl. 179—27)



1. In a telephone exchange system including a public exchange and a multi-office branch exchange, trunk lines interconnecting the offices of the branch exchange, means in one of the offices of the branch exchange including trunk lines incoming from the public exchange for receiving all calls incoming to the branch exchange from the public exchange and for directing their extension to a desired branch-exchange line in any one of the offices of the branch exchange, a separate group of outgoing trunks extending from each office of the branch exchange to the public exchange, and switching equipment in each office of the branch exchange for extending calls over the associated outgoing trunk group to the public exchange.

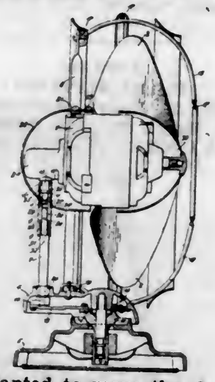
2,070,875

OSCILLATING MECHANISM FOR FANS

Victor Weber, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri

Application September 17, 1934, Serial No. 744,315
10 Claims. (Cl. 230—256)

1. In oscillating mechanism for an electric fan having a base member and a motor resiliently supported with reference to the base member, the improvement comprising a shaft driven and supported by the motor, a crank shaft journalled in the base member, a connecting device rotatively connected to one shaft, rotatively connectable to the other shaft and axially movable with respect to both shafts, a stop for limiting the axial movement of said device, and a spring positioned and adapted to move the device against the stop, whereby the two shafts may be rotatively connected and deflection of the motor relative to the base will not cause axial deflection of the crank shaft.

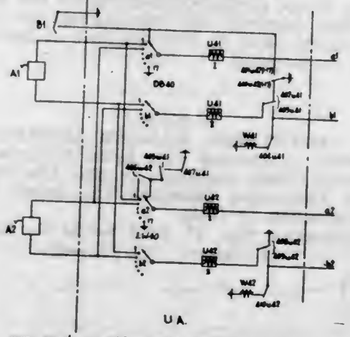


2,070,876

TELEPHONE SYSTEM

Eduard Wochinger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany

Application July 8, 1935, Serial No. 30,379
In Germany July 13, 1934
7 Claims. (Cl. 179—18)



1. In an automatic telephone system, a main exchange and a sub-exchange connected by a trunk line, a register switch in said main exchange for determining when a call originated by a sub-exchange subscriber is to be routed back to the sub-exchange, means for operating said register switch from normal position each time a series of impulses is transmitted over said trunk line from the sub-exchange in response to a sub-exchange subscriber making a call to another subscriber's line, and means for automatically restoring said register switch to normal position after each series of impulses which do not determine that the call is to be routed back to the sub-exchange.

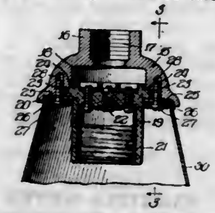
2,070,877

FIXTURE SUPPORT

George Arras, Chicago, Ill.

Application April 16, 1932, Serial No. 605,669
5 Claims. (Cl. 240—143)

3. The combination with a lamp socket having lateral projections, of a support therefor having recesses to receive the projections, means engaging the projections for securing the socket in the support, clamping plates outside of the socket and means for securing them to the support, and a shade having an opening in its base insertable over the socket and over the clamping plates and having parts engageable between the plates and the support when it is rotated relatively thereto.

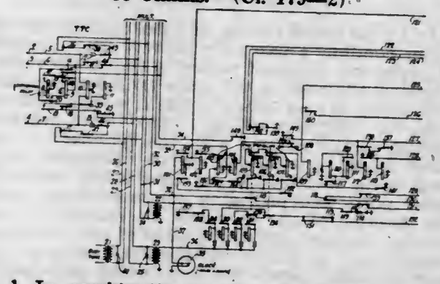


2,070,878

TIME SIGNALING SYSTEM

John I. Bellamy, Brookfield, and Rodney G. Richardson, Chicago, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application August 28, 1930, Serial No. 478,324
35 Claims. (Cl. 179—2)



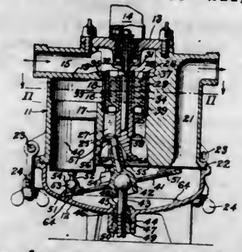
1. In combination, an impulse sender, a plurality of counting relays, a plurality of registers for registering the time of day, and means controlled by said impulse sender, said counting relays and said registers for continuously transmitting the time registered on said registers.

2,070,879

FLUID METER

Hosmer L. Blum, San Francisco, Calif.

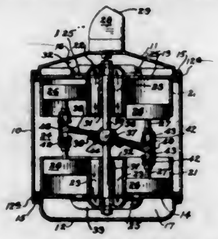
Application April 24, 1933, Serial No. 667,663
12 Claims. (Cl. 73—244)



1. A meter for measuring fluids including a main body portion having a plurality of circumferentially disposed cylinder chambers and having a cylindrical valve chamber, said cylinder chambers each having a cylinder port communicating with said valve chamber, a reciprocable piston in each of the respective cylinder cham-

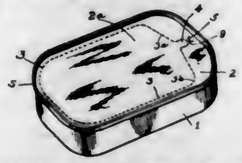
bers, a stationary removably mounted tubular bearing co-axial with the valve chamber, a cylindrical rotary valve disposed in said valve chamber and having bearing support on said bearing for rotation thereon, means for rotating said valve responsive to reciprocation of the pistons, said last mentioned means including a wobble plate having an operative connection with said pistons and a shaft rotatably mounted in said tubular bearing and rotatable by said wobble plate, said shaft being connected to said valve.

2,070,880
MULTIPLE METER
Hosmer L. Blum, Burlingame, Calif.
Application November 3, 1934, Serial No. 751,383
9 Claims. (Cl. 73—244)



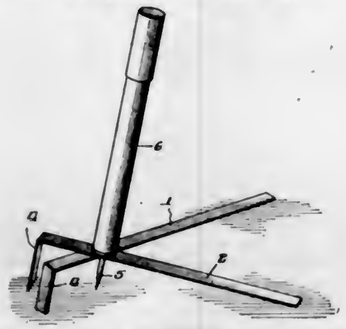
1. A fluid meter having an inlet conduit and an outlet conduit, a pair of relatively spaced banks of oppositely disposed ported cylinders providing a central chamber in the space therebetween into which one of said conduits has free communication, the cylinders of each bank being opposed to and axially aligned with the cylinders of the other bank, a rotatable valve associated with each bank of cylinders for controlling said cylinder ports and providing communication from the interior of the cylinders alternately to the central chamber and to the other of said conduits, respectively, a piston reciprocably mounted in each cylinder, means including a disc plate operable responsive to the reciprocation of the pistons for correlating the reciprocation of the pistons and translating the reciprocal movement thereof to rotary motion, and means operated by the last mentioned means for rotating each of the valves responsive to reciprocation of the pistons in the cylinders, the said meter having therein a pair of passageways from said central chamber, said respective passageways communicating with the respective cylinders of the respective banks upon rotation of the respective valves.

2,070,881
COVER CONSTRUCTION FOR CONTAINERS
Guy F. Brawn, South Portland, Maine
Application January 15, 1935, Serial No. 1,919
3 Claims. (Cl. 220—48)



1. In combination, a sardine can, a cover seamed at its marginal portions to said can, a score sunk on the face of said cover in close proximity to said seam on three sides of the cover and further removed from the seam on the fourth side thereof, the score on the fourth side being irregular and including a tongue-shape contoured portion, and a short length score disposed on said cover between said tongue-shape portion of the first mentioned score and said seam, the two said scores being separate and disconnected, relatively.

2,070,882
FLARE SUPPORT
Clarence B. Brown, Fostoria, Ohio
Application March 12, 1936, Serial No. 68,419
2 Claims. (Cl. 248—46)



1. A flare or signal holder, comprising a pair of straight flat bars turned down at one end to form legs, pivoted together crosswise at a fixed point nearer said legs than the other end of the holder, so that the legless ends of the bars are farther apart than the legs when the latter are adjusted the desired distance apart, with a socket in the pivotal connection for the spike of the flare, whereby said legs support the bars in an inclined plane to hold the flare at the desired angle for burning.

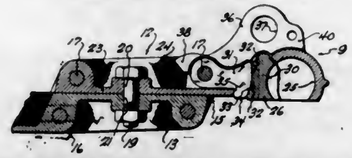
2,070,883
ADJUSTABLE HANGER ADAPTER
Clarence A. Cawood and Lynn Johnston, Cincinnati, Ohio, assignors to The Electric Railway Equipment Company, Cincinnati, Ohio, a corporation of Ohio
Application May 17, 1933, Serial No. 671,544
12 Claims. (Cl. 191—42)



1. In a device of the class described the combination of a support yoke member for attachment to a cross span wire, said member having a hollow neck having an arcuate seat in the top thereof, a perforate swivel member seated in said arcuate seat, an insulating hanger extending into the hollow neck and means to removably connect the hanger to the swivel member said hanger being rockably suspended by the swivel member on said seat and capable of raising the swivel off the seat upon upward pressure on the hanger.

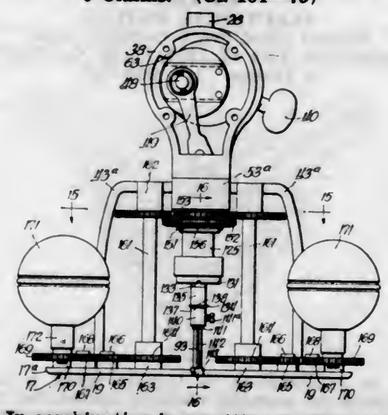
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2,070,884
DRAFT COUPLING
Walter E. Claus, Milwaukee, Wis., assignor to Sportsman's Equipment Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 27, 1935, Serial No. 33,433
7 Claims. (Cl. 280—33.15)



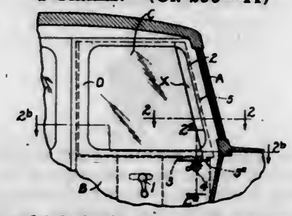
7. In a trailer hitch, a member having a partially complete ball socket and having a solid transverse wall spaced from the partially complete socket, a gate pivotally mounted from said member between the partially complete socket and the solid transverse wall, one wall of said gate completing the socket in the closed position of the gate, and a latch positionable between the gate and said solid transverse wall to hold the gate closed in a manner in which any force tending to open the gate is transmitted directly to said solid transverse wall.

2,070,885
CUTTING MACHINE
Vincent V. Colby, Jemez Springs, N. Mex., assignor to International Register Company, Chicago, Ill., a corporation of Illinois
Application September 2, 1933, Serial No. 687,937
9 Claims. (Cl. 164—75)



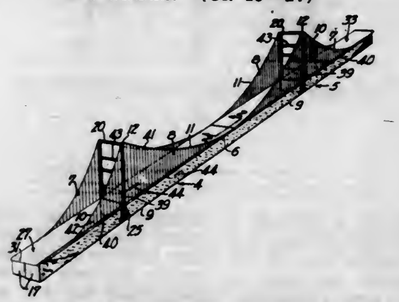
5. In combination in a cutting machine, a base member of sufficient extent to support the cutting means and the operating mechanism therefor, said base member having a smooth planar under surface of sufficient extent to support the weight of the parts carried thereby and to assure sliding of said base member in any direction upon and over the material being cut, a motor mounted upon said base member, a reciprocating plunger, driving connections between said motor and said plunger, a cutting tool attached to said plunger coaxially and for reciprocation therewith, said tool being turnable on the axis of said plunger and relative to said base member, a handle connected to said base member for moving the latter in desired direction over the material and confined against turning movement about the axis of said plunger, said handle being movable relative to said base member incident to change in direction of movement of the latter, and connections between said handle and said tool effective for turning the latter in accordance with and incident to change in direction of movement of said base member.

2,070,886
VENTILATING APPARATUS FOR VEHICLE BODIES
William D. Crowell, St. Louis, Mo., assignor to Automobile Ventilation, Inc., Detroit, Mich., a corporation of Michigan
Application February 13, 1933, Serial No. 656,475
Renewed September 3, 1935
4 Claims. (Cl. 296—44)



1. In a vehicle body, the combination of a vertically-adjustable window slidingly mounted in a side wall portion of the body, an operating mechanism for raising and lowering said window, and a separate means for adjusting the window comprising a manually-operated element on said side wall portion normally positioned in a vertical plane at one side of the plane in which said operating mechanism lies, adapted to be bodily shifted into engagement with a co-acting part on the window and thereafter actuated to move the window horizontally into a position to produce a ventilating opening at one of the upright edges of the window.

2,070,887
STRUCTURAL TOY
Ritchie L. Dunn, Jr., Piedmont, and Herman T. Birr, Jr., Oakland, Calif.
Application January 15, 1936, Serial No. 59,244
6 Claims. (Cl. 46—17)



6. A toy bridge structure composed of a plurality of separate units each comprising sheets of material preformed to a scale outline of an actual existing bridge, said sheets having printed thereon a representation of portions of said bridge according to said scale and having spaced tabs extending therefrom engageable with corresponding tabs of another sheet to secure said sheets together to form a self-supporting structure, said sheets also having spaced apertures therein, a strip of material having an aperture therein and lugs extending therefrom engageable with the apertures of said sheets, and portions of sheet material having tongues formed at one end there-

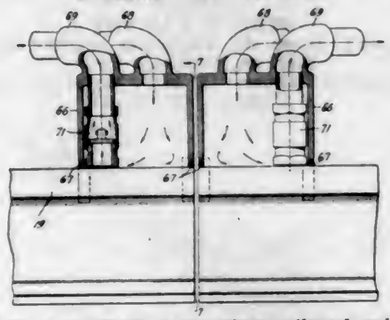
of engageable with the aperture of said strip, one of said portions having at the end thereof opposite said tongue an extension engageable with said joined tabs, and the other of said portions having therein at the end thereof opposite said tongue a slot adapted to receive the joined tabs of its own unit and the joined tabs of another unit to secure said units together.

2,070,888
LINED CONCRETE PIPE
Hector Eschenbrenner, Columbus, Ohio
Application June 24, 1935, Serial No. 28,115
2 Claims. (Cl. 138—80)



1. As an article of manufacture, a unit of composite conduit comprising an outer shell of concrete having male and female ends adapted to coact respectively with the opposite ends of contiguous units; a unitary lining of corrosion and abrasion resisting material embedded within said shell and extending therein from the outer face of the male end to the inner face of the female end, and means positioned in the ends of said lining for the retention of sealing material.

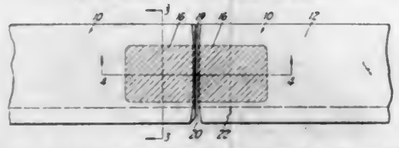
2,070,889
RAIL TREATMENT METHOD
Royal E. Frickey, San Francisco, and Arion S. Kalenborn, Redwood City, Calif., assignors to Welding Service, Inc., San Francisco, Calif., a corporation of California
Application March 13, 1933, Serial No. 660,544
6 Claims. (Cl. 148—21)



5. In a method of treating railroad rails to effect hardening of the same, the steps of heating a limited area of the upper surface of the rail by rapidly traversing an electric arc over the same, said area extending substantially the full width of the rail ball and for a substantial distance longitudinally of the rail, a proportionally greater amount of heat being supplied to the side and end edges of said area than to the intermediate portions of the same, and then chilling the heated area.

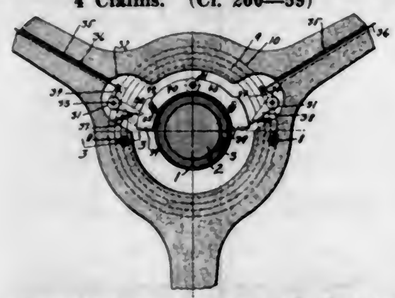
6. In a method of treating rails to effect hardening of rail ends, heating an upper layer of metal in the rail ball, over an area extending for a substantial distance back from the end of the rail, applying a stream of chilling liquid to the heated area, and confining the liquid from the stream to afford a liquid blanket of substantial depth upon said area.

2,070,890
RAIL JOINT AND METHOD
Royal E. Frickey, San Francisco, Calif., assignor to Welding Service, Inc., San Francisco, Calif., a corporation of California
Application May 28, 1934, Serial No. 727,929
9 Claims. (Cl. 238—148)



1. In a rail joint having aligned rail sections connected by joint bars or like means, the rail sections having ball, web and flange portions, a hardened layer of metal in the upper surface of the ball of each section, the area of extent of each layer being for a substantial distance along the length of the rail from the adjacent rail ends and for a substantial distance laterally of the rail ball, to minimize battering of the rail ends, the marginal edges of the layers corresponding to the inside of the joint terminating short of the inner face of the rail ball, whereby the inner face of the rail ball may wear away evenly, the upper and inner edges of the rail ends being beveled to afford a lateral slot which extends across the joint and joins an upright slot on the inner side of the rail ball, the inner slot being relatively wider and deeper than the intermediate part of the lateral slot.

2,070,891
ELECTRICAL SWITCH
Russell Elrod Frost, Oakland, Calif.
Application July 18, 1934, Serial No. 735,755
4 Claims. (Cl. 200—59)



1. In combination, a steering wheel, a switch mounted in a spoke thereof, means for automatically locking the switch in closed position, a lever having a one-way connection with the locking means, and adjustable means responsive to a turning movement of the wheel and acting on the lever for releasing the switch, the one-way connection permitting the lever to become effective on the switch on the reverse turning movement of the steering wheel.

2,070,892
METHOD OF MAKING WEIGHTS FOR CENTRIFUGAL CLUTCHES
David E. Gamble, Chicago, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 27, 1933, Serial No. 682,375
2 Claims. (Cl. 29—152)

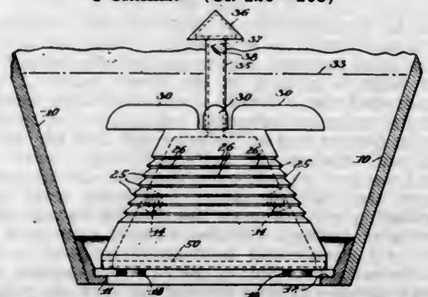
1. The method of forming composite weights responsive to centrifugal forces, comprising cutting off sections of drawn steel shaped to provide the desired fulcrum surfaces along one margin and an anchor along the other margin, hardening the sections so formed, and die-casting a weight about the anchor on said hardened steel section.



2,070,893
PROCESS FOR IMPROVING THE COLOR OF WOOD PULP
Hugh Bryson Glass, Birmingham, Ala.
No Drawing. Application May 10, 1935, Serial No. 20,755
3 Claims. (Cl. 8—2)

1. A method of bleaching wood pulp which comprises first subjecting the pulp to an aqueous HOCl solution in which the free HCl has been neutralized, until the pulp becomes lighter in color, then washing with an alkaline solution containing no chlorine having a pH between 10.5 and 11.5 to remove the alkali soluble coloring matter from the pulp, and finally again subjecting the pulp to the action of an aqueous HOCl solution in which the free HCl has been neutralized, both of said HOCl solutions having a pH not exceeding 6.0 and not being allowed to drop below 4.5.

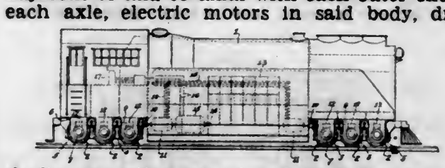
2,070,894
GRATE
George J. Gorsuch, Rochester, N. Y., assignor of one-half to Max J. Cohen, Irondequoit, N. Y.
Application March 9, 1935, Serial No. 10,165
4 Claims. (Cl. 126—163)



1. A grate for burning fine coal comprising a hollow body tapered upwardly to provide inclined side walls against which the coal may rest, said walls having openings for outflow of air therethrough, a plurality of separate conduit means extending radially outwardly in different directions adjacent the top of said hollow body to deliver air into coal surrounding and covering said hollow body, and conduit means extending upwardly from said hollow body to deliver air to a point above the top of the coal.

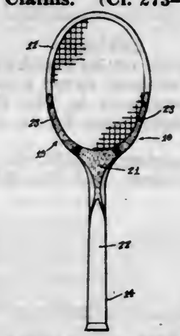
2,070,895
ELECTRIC LOCOMOTIVE
Edward Gray, Detroit, Mich., assignor of one-half to Gar Wood, Detroit, Mich.
Application May 15, 1933, Serial No. 671,178
5 Claims. (Cl. 105—49)

1. In a locomotive, a body, a plurality of independently rotatable axles mounted beneath said body, means supporting said body on said axles, wheels mounted on the ends of said axles, a rotatable element mounted directly on said body adjacent to and co-axial with each outer end of each axle, electric motors in said body, drive



shafts connecting sets of said rotatable elements together in tandem, said drive shafts being coaxial with and connected to said motors, and a universally movable driving element connecting each rotatable element and the adjacent wheel.

2,070,896
RACKET
Horace W. Hall, Newton, Mass.
Application August 6, 1935, Serial No. 34,916
6 Claims. (Cl. 273—73)

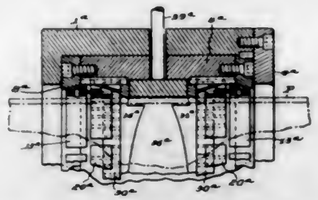


1. A racket comprising a bow head, throat and handle, cover laminations on said handle, an inside crescent-shaped lamination united within and to said bow head and extending over said throat and up the shoulders of said racket, a reinforcing lamination on the face of each shoulder of said bow head and a central reinforcing lamination on each face of said racket reinforcing said crescent-shaped lamination and extending from the inner ends of said shoulder reinforcing laminations downwardly on said throat and under said cover means and forming part of said handle, the grain of which said central lamination runs substantially parallel with the longitudinal axis of the racket, said central lamination tapering in width intermediate its top and bottom, part of said intermediate portion being of less width than the width of said throat and handle directly below it, said central lamination being thinner than said shoulder reinforcing laminations.

2,070,897
CENTERING AND COMPENSATING CHUCK
Peter P-G. Hall, Philadelphia, Pa., assignor to The Hall Planetary Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 5, 1936, Serial No. 67,235
17 Claims. (Cl. 10—107)

1. A work-holding chuck comprising a housing providing an annular tapered surface, an annular compressible element cooperative with said surface, a second annular compressible element having an outer surface tapered oppositely to said annular surface disposed adjacent the first element, an annular flexible actuating element hav-

ing an inner tapered surface cooperative with the tapered surface of the second element, and means for translating the flexible element axially of the housing to thereby initially move the second element axially therein and in turn, move the first



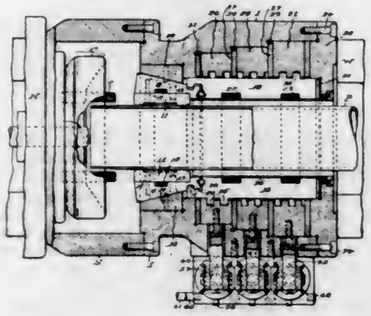
element along the annular tapered surface of the housing to thereby constrict that element about a work piece extended therethrough and center it axially of the housing, and to thereafter constrict the second element about the piece to hold it in fixed position.

2,070,898

CENTERING AND COMPENSATING CHUCK

William P-G. Hall and Peter P-G. Hall Philadelphia, Pa., assignors to The Hall Planetary Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 3, 1935, Serial No. 52,657
16 Claims. (Cl. 10—107)



1. Apparatus of the class described comprising a housing, a plurality of pairs of jaws respectively movable longitudinally and radially of the housing, means operable to move each pair of jaws simultaneously in both of said directions, and fluid operated means for actuating all said jaw moving means simultaneously or selectively in accordance with the degree of resistance to radial movement encountered by each of the pairs of jaws.

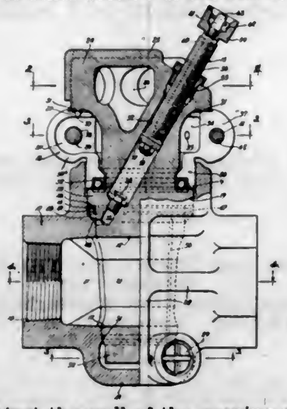
2,070,899

VALVE

Leland S. Hamer, Long Beach, Calif., assignor to Hamer Oil Tool Company, Long Beach, Calif., a corporation of California

Application December 10, 1934, Serial No. 756,819
14 Claims. (Cl. 251—93)

1. A stop cock including a body having a fluid passage and an opening intersecting the passage, a turnable plug in the opening for controlling the flow through the passage, the plug having spaced faces, a split nut threaded in the opening adapted to cooperate with said faces to force the plug into and out of the opening, and a screw threaded in an opening in one section of the nut operable to engage the other section of the nut to expand



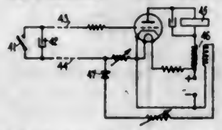
the nut against the wall of the opening and lock it in a selected position.

2,070,900

THERMIONIC RELAY CIRCUIT

Lionel Herbert Harris, London, England, assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application June 25, 1932, Serial No. 619,222
In Great Britain July 2, 1931
10 Claims. (Cl. 178—66)



9. In combination, a telegraph line incoming to a thermionic valve, a signal-responsive device controlled through the anode-cathode circuit of the valve according to the mean value of the anode-cathode current, a self-oscillating circuit for the valve including the telegraph line, means at the distant end of the telegraph line for opening and closing the self-oscillating circuit to send desired signals over the line and thereby cause the valve to start oscillating and stop oscillating according to the desired signals, and means including a rectifier directly connected to the grid circuit and inductively coupled to the anode-cathode circuit of the valve for causing the mean anode-cathode current to vary according to whether the valve is oscillating or not, whereby the said signal responding device is enabled to respond according to the desired signals.

2,070,901

METHOD OF DEOXIDATION CONTROL

Anson Hayes and Jesse J. Canfield, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

No Drawing. Application November 12, 1931, Serial No. 574,676. Renewed January 24, 1934
3 Claims. (Cl. 23—230)

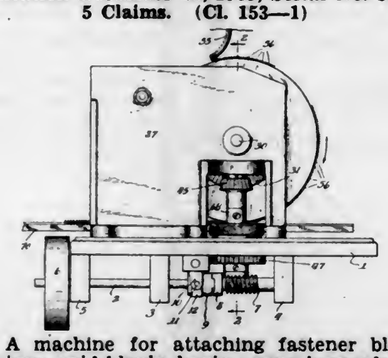
1. A process for the treatment of iron or steel which comprises refining the iron or steel in the usual way and at the conclusion of the refining process and while maintaining the bath of metal molten, chemically determining the percentage of oxygen therein by taking a determined sample of the material, combining it with an amount of aluminum which is in excess of any amount necessary to combine with the oxygen present in the sample by chemical combining weight, then dissolving the iron or steel from the sample, or part thereof of a determined weight, without affecting the alumina, and finally weighing the remaining solid and calculating the weight of oxygen and hence its percentage in the metal sample and the amount of deoxidizer necessary to bring said metal bath to a desired state of deoxidization, all of said steps being carried on rapidly while said metal bath is maintained molten and in a condition for deoxidization, and then adding deoxidizing agent to said metal bath as determined by said calculation.

2,070,902

MACHINE FOR MAKING FASTENER STRIPS

Chauncy W. Hinman, Chicago, Ill., assignor to Lewis E. Pennish, Chicago, Ill.

Application December 28, 1935, Serial No. 56,583
5 Claims. (Cl. 153—1)



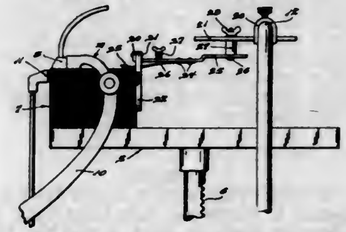
1. A machine for attaching fastener blanks to a tape, said blanks having open jaws adapted to be pressed to grip said tape, said machine comprising a base plate, a pair of spaced vertical shafts, a pair of cylindrical members disposed on said spaced vertical shafts, said members having sufficient thickness and being spaced together close enough so that a tape is frictionally fed between the opposing cylindrical surfaces, the upper peripheral portion of said cylindrical members having notches therein at spaced intervals, the opposing notches, when registering, being adapted to clear the upper part of a fastener element and force the jaws together to grip said tape, means for driving said two members synchronously so that the notches of one register with the notches of the other, a center disc disposed directly above said tape and lying in substantially the same plane therewith, said center disc tapering from the edge outwardly toward the central portion thereof, an additional disc on each side of said central disc, said additional discs being equal to each other and having their edges extending a short distance beyond said central disc, said additional discs having radial slots on the inside thereof for a short distance from their edges to accommodate the edges of fastener elements, means for rotating said three discs simultaneously and in fixed relationship to said cylindrical members so that each fastener element in each pair of radial slots is presented to a pair of registering notches, means for exerting pressure on said additional discs at the bottom only tending to bend said additional discs on said taper of said center disc toward each other so that fastener elements are retained between said additional discs just enough to prevent their falling out but to permit said fastener elements being pulled out when their jaws are forced together by said members to grip said tape, and a hopper above said three discs adapted to drop fastener elements with their jaws out in opposing pairs of slots in said additional discs.

2,070,903

SHEET FEED CONTROL MECHANISM

Jay F. Horst, Seattle, Wash.

Application February 26, 1934, Serial No. 712,950
13 Claims. (Cl. 271—27)



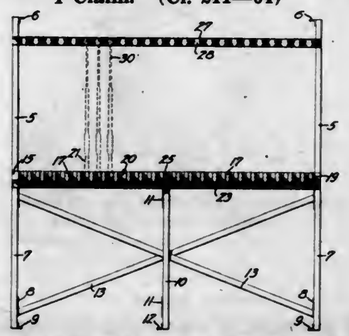
1. In sheet-feeding structure, in combination with a table adapted to support a pile of the sheets, means for delivering an air jet between the upper sheets of the pile for separating the same, and means for withdrawing the separated sheets successively, the table being arranged for vertical movement responsive to the successive withdrawal of the sheets to maintain the upper level of the pile on a constant plane, guide means for maintaining the individual sheets of the pile in alignment comprising a reach member supported to locate the outer end of the same in the vertical plane of the rear end of the pile, a spring carried by said reach member for yieldably engaging the uppermost sheet in the pile, means for regulating the tension of the spring, and a pair of guide arms suspended for lateral swinging movement from opposite sides of the reach member to engage the rear face of the pile, said swinging movement of the guide arms acting to accommodate table elevation as the same rises directively of the plane of the top level of the pile responsive to the withdrawal of the sheets.

2,070,904

GUN RACK

Harold W. Jennings, Berkeley, Calif.

Application July 6, 1936, Serial No. 88,926
1 Claim. (Cl. 211—64)



A gun storage rack comprising pairs of spaced, vertically disposed, frame members, a bar secured at its ends to a pair of said frame members adjacent the upper ends thereof, a plurality of members secured to a vertical surface of said bar to provide along said bar a row of spaced, axially

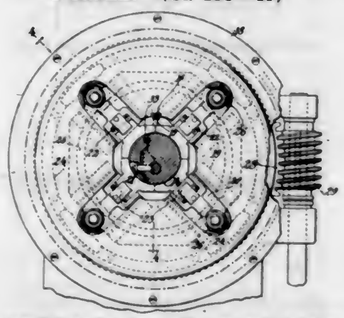
vertical, sockets into which the end of the barrels of a plurality of guns may be placed, a flange extending from an edge of said bar and overlying the upper end of each of said sockets, a horizontal shelf secured at its respective ends to said frame members in spaced relation to said bar, said shelf having a flange rising from one longitudinal edge thereof, a plurality of spaced elements secured to said shelf and to said flange thereof to provide on said shelf a row of recesses having an open top and end and vertically alined with the sockets on said bar, said recesses each being adapted to receive the stock of a gun, a bar hingedly secured to the longitudinal edge of said shelf opposite said shelf flange, said bar being movable into a position to close the open end of each of said recesses to enclose the stocks of said guns therein, and means for securing said bar in said position.

2,070,905
INSULATED FOOD CONTAINER
Clarence I. Justheim, Salt Lake City, Utah
Application April 10, 1934, Serial No. 719,817
5 Claims. (Cl. 220—16)



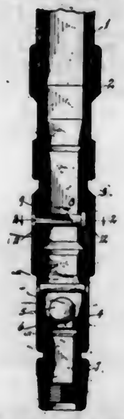
1. In a device of the class described the combination of a casing having sockets formed therein; an insulated lid for said casing; separate food chambers to fit into said sockets but removable therefrom, said chambers being formed of inner and outer walls spaced apart carrying sheets of very thin aluminum foil there between, having the surfaces of the foil formed of convex and concave facets and a lid for each food chamber of top and bottom walls spaced apart and carrying thin sheets of very thin aluminum foil there between, having the surfaces of the foil formed into convex and concave facets.

2,070,906
CAN FORMING AND SIZING MACHINE
Peter Kruse, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application June 14, 1935, Serial No. 26,545
4 Claims. (Cl. 153—48)



1. A machine for smoothing can bodies comprising a mandrel, means for positioning a can body on said mandrel, a plurality of radially movable die segments complemental to and disposed about said mandrel, each of said die segments being of a length substantially equal to the length of the can body, means for expanding the mandrel, means for closing said die segments over said mandrel whereby the entire surface of the can body may be squeezed to the shape of the mandrel and surface irregularities removed therefrom, means for retracting said dies, and means for collapsing said mandrel whereby the can body may be removed therefrom, the means for closing and retracting said die segments comprising a pair of concentrically mounted ring cams the outer of which is adapted to close and the inner of which is adapted to retract said dies.

2,070,907
TUBING BLEEDER
Harry L. Laughinghouse, Long Beach, Calif.
Application February 25, 1935, Serial No. 7,950
1 Claim. (Cl. 137—111)



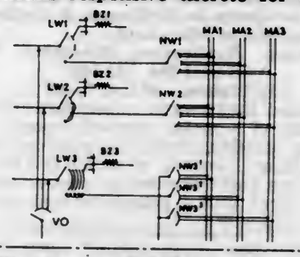
A tubing bleeder comprising a sub adapted and arranged to be mounted below a pump, said sub having oppositely disposed aligned holes in the side thereof, a frangible tube extending transversely thru said sub and thru said holes, packing in the holes around the tube, and packing nuts threaded into the holes and arranged around the tube.

2,070,908
DRY CLEANING COMPOSITIONS
Arthur Andrew Levine, Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
No Drawing. Application September 18, 1931, Serial No. 563,671
2 Claims. (Cl. 87—5)

1. An odorless dry cleaning composition consisting of trichlorethylene which contains in solution about 1% of a soap composition consisting substantially of 108 parts of an oleic acid—sodium soap, 147 parts of trichlorethylene and 70 parts of triethylene glycol, said proportions being by weight.

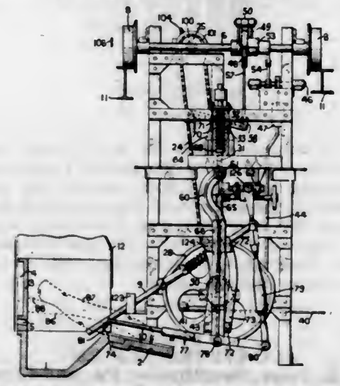
2,070,909
TELEPHONE SYSTEM
Fritz Lubberger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application February 7, 1935, Serial No. 5,343
In Germany February 13, 1934
6 Claims. (Cl. 179—18)

1. In an automatic telephone system, an automatic switch, an auxiliary switch accessible to said automatic switch, a plurality of lines directly accessible to said auxiliary switch, means for operating said automatic switch to a position corresponding to one of the lines of said auxiliary switch, means responsive thereto for operating



said auxiliary switch to select and connect with one of said lines, and means for reoperating said automatic switch to connect with said auxiliary switch.

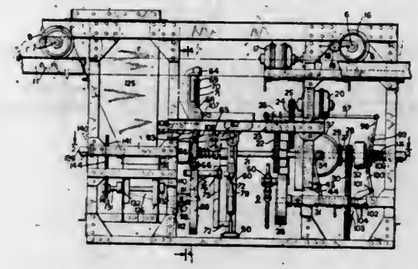
2,070,910
MECHANICAL OPERATION OF SMELTING FURNACES
Hugh R. MacMichael, El Paso, Tex., assignor to American Smelting and Refining Co., New York, N. Y., a corporation of New Jersey
Application July 26, 1928, Serial No. 295,419
9 Claims. (Cl. 266—10)



1. In apparatus of the class described, a furnace, a trackway along said furnace, a carriage on said trackway adapted to make operating trips and return trips, a first means on said carriage to drive it on its operating trip, a means on said carriage to drive it on its return trip, interlocking devices for selectively causing said means to drive said carriage, biased means normally causing one means to drive said carriage and holding the other means inoperative, means operable at the end of one of said trips of said carriage for interchanging said driving means, and means along said trackway for holding said driving means in interchanged condition till the carriage reaches the end of its other trip.

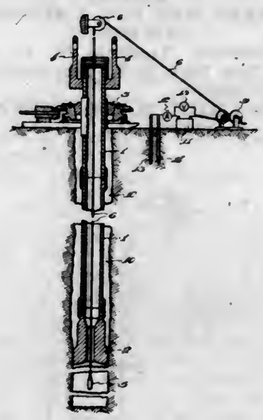
2,070,911
CONTROL OF OPERATING MECHANISM FOR SCOTCH HEARTHS
Hugh R. MacMichael, El Paso, Tex., assignor to American Smelting and Refining Co., New York, N. Y., a corporation of New Jersey
Application July 26, 1928, Serial No. 295,420
8 Claims. (Cl. 266—34)

1. In combination with a hearth, a trackway along said hearth, a carriage on said trackway, a control rail along said hearth and having its ends sloping away from said trackway, an operating mechanism on said carriage for treating said hearth, a source of power on said carriage, a clutch between said source and operating mechanism, a control lever pivoted to said carriage, linkage connecting said lever and clutch, said lever engaging and trailing at an angle to said



rail on the operating trip of said carriage to close the clutch against the action of the clutch spring, and means for reversing the carriage at the ends of its operating and return trips, said spring causing said lever to swing to an opposed position at the end of the operating trip so that it may trail at an angle to said rail on the return trip.

2,070,912
METHOD OF ELECTRICALLY EXPLORING BORE HOLES
Eugene McDermott, Dallas, Tex.
Application March 21, 1934, Serial No. 716,656
4 Claims. (Cl. 175—182)



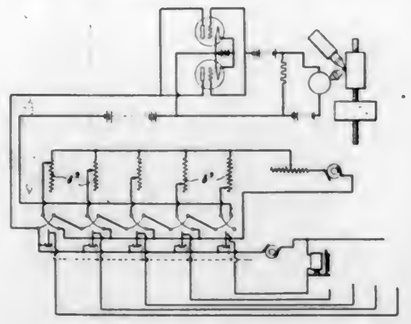
1. The method of electrically exploring bore holes which consists in elevating the hole boring tool a predetermined distance above the bottom of the bore hole in lowering an electrode through the rotary drill stem and through a hole in the drill bit of the hole boring mechanism, in suspending said electrode in the bore hole operatively below said drill bit and insulating the same therefrom, in electrically connecting said electrode with a battery and suitable indicating instruments and the surface of the ground and observing the change of voltage and current by means of said indicating instruments as the position of the electrode is changed in the hole.

2,070,913

TRANSLATION OF MODULATED ELECTRIC CURRENT INTO A SERIES OF IMPULSES

Maynard Leslie Deeds McFarlane, Brooklyn, N. Y.

Application June 3, 1926, Serial No. 113,432
In Great Britain April 1, 1926
14 Claims. (Cl. 178—5)



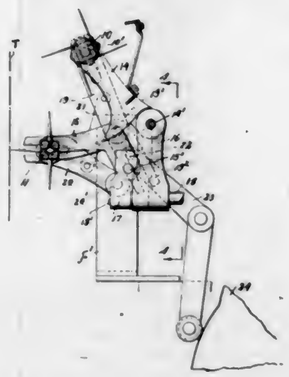
1. The method of forming a series of electrical impulses corresponding to a picture which comprises scanning the picture and producing a current which undulates in accordance with the tone values of successive elemental areas of the picture, applying the undulating current to control the production of an intermittent current in which the duration of each impulse is a measure of the tone value of an elemental picture area, and converting each impulse of said intermittent current into a succession of electrical impulses.

2,070,914

IMPLEMENT BAR FOR EMBROIDERING MACHINES

Max P. Neubert, Teaneck, N. J., and Oskar Mueller, New York, N. Y.; said Mueller assignor to said Neubert

Application March 28, 1936, Serial No. 71,400
4 Claims. (Cl. 112—83)



1. In an embroidering machine having a vertically disposed tambour frame, a plurality of horizontally supported implement bars for different functions of the embroidering operation and interconnected means engaging said bars so that by a single operation said bars will be arcuately swung to be alternately brought into and out of operative position relative to said tambour frame.

2,070,915

THERAPEUTICAL COMPOUNDS CONTAINING METAL ABIETATES

Allen L. Omohundro and Emil C. Fanto, Fairfield, Conn., assignors to McKesson & Robbins, Inc., a corporation of Maryland

No Drawing. Application November 17, 1934, Serial No. 753,545
10 Claims. (Cl. 167—68)

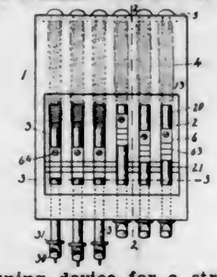
1. A bland therapeutic composition containing an abietate of a metal selected from the group consisting of silver, bismuth, mercury and zinc dissolved in an essential oil which is a solvent for said abietate and dispersed in a lower alkyl ester of abietic acid, and a petroleum hydrocarbon.

2,070,916

TUNER FOR STRING INSTRUMENTS

George A. Peate, Montreal, Quebec, Canada, assignor of one-third to Edmund H. Brietzcke, Westmount, Canada

Application August 28, 1935, Serial No. 38,237
6 Claims. (Cl. 84—297)



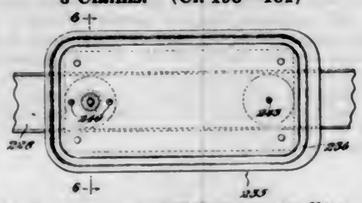
1. In a tuning device for a stringed musical instrument, a tail piece attachable to the instrument, spring tensioned rods secured to the tail piece and to the strings of the instrument, fixed marks on the rods and adjustable markers on the rods, adapted when the markers are adjusted on the rods, to indicate the required tension of each string, when tuned.

2,070,917

CONVEYER SYSTEM

Harold R. Perry, Swarthmore, Pa., and Chester S. Jennings, Syracuse, N. Y., assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts

Original application October 30, 1933, Serial No. 695,856. Divided and this application October 10, 1935, Serial No. 44,396
3 Claims. (Cl. 198—181)



1. A conveyer comprising an endless chain traveling in a horizontal plane, a track defined by a trough in which the chain travels and a plurality of cars attached to said chain, each said car including a work-carrying body and two disks on the under side of the car body, one adjacent each end thereof, the car body riding on the walls of the trough and the disks riding in the trough whereby the cars are guided over said track.

2,070,918

COATED GASKET

Ruben O. Peterson, Glen Ellyn, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application March 11, 1935, Serial No. 10,479
2 Claims. (Cl. 288—1)

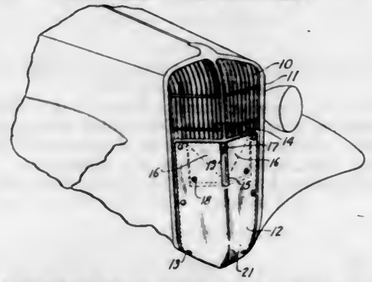
1. A metal clad cylinder head gasket having a protective water-sealing coating thereover, comprising a thin film of a mixture of chlorinated naphthalene, paraffin, and carnauba wax.

2,070,919

RADIATOR GRILLE COVER

John P. Posey, Toledo, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio

Application September 9, 1935, Serial No. 39,791
2 Claims. (Cl. 257—132)



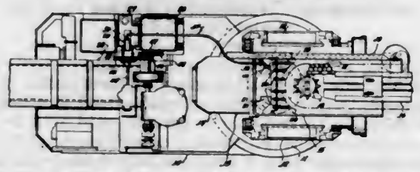
1. A radiator grille cover of the class described composed of flexible material and of a shape and size completely to cover the lower portion of the grille opening of a grille, said cover having a horizontally disposed top edge and having a split extending centrally down a distance from said edge to form two triangular flaps adapted to be downwardly folded to expose a predetermined portion of the grille, the free vertical edges of said flaps being in close juxtaposed relation when in closed position, detachable fastening means for holding said juxtaposed edges in closed position, detachable fastening means for holding said flaps in downwardly folded position, and fasteners along the vertically disposed side edges of the cover adapted to connect same to the grille, the upper corners of the cover being thereby held in place but the upper horizontal portion between such corners being free.

2,070,920

MINING MACHINE

Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 14, 1933, Serial No. 689,385
Renewed October 10, 1935
14 Claims. (Cl. 262—28)



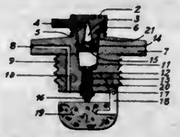
1. In a track-mounted mining machine, a truck having a turntable thereon, a cutting element on said turntable including a frame and a cutter bar having a cutter chain movable thereabout projecting forwardly therefrom, cuttings collecting means associated with said cutter bar, a discharge opening extending across said frame rearwardly of said cutter bar, and means disposed above said discharge opening for laying the dust during the cutting operation comprising means self-contained on said mining machine for humidifying the air in the path of and above said cutter chain.

2,070,921

VENT PLUG WITH AUTOMATIC FEEDING VALVE FOR STORAGE BATTERIES

Eduardo Ramirez, Nogales City, Mexico

Application August 13, 1935, Serial No. 35,961
In Mexico June 17, 1935
3 Claims. (Cl. 137—68)



1. In a storage battery, a vent plug for continuously and automatically feeding liquid to the battery cells, comprising a main plug having a central cavity extending therethrough, a centrally perforated disc seated in said cavity, a nozzle disposed in said cavity below said disc, a member of absorbent material disposed between the nozzle and disc, an angle lever having one of its legs pivoted to the plug at the lower end thereof the other leg of said lever being embedded in a floating member adapted to control the outlet of the nozzle, a secondary plug disposed in the cavity of the main plug and having a central cavity communicating with the cavity of the main plug and a nipple connection communicating with said central cavity for connecting the same with a source of liquid supply.

2,070,922

MANUFACTURE OF BAKED PRODUCTS

Joseph S. Reichert and William J. Sparks, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 29, 1934, Serial No. 708,907
15 Claims. (Cl. 99—90)

14. A process for preparing edible baked products without yeast or carbon dioxide evolving materials which comprises preparing a peroxide leavened cereal flour dough, incorporating therein a reagent selected from the group which consists of the soluble carbonates and phosphates, which reagent is capable of inhibiting decomposition of hydrogen peroxide at room temperature but which at the elevated temperature encountered during baking does not prevent complete decomposition of hydrogen peroxide, adjusting the alkalinity of the dough so that it corresponds to a pH falling within the range 8 to 10 and thereafter baking said dough.

2,070,923

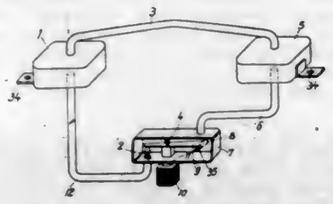
GYROSCOPIC COMPASS

Oskar Richter, Kiel-Neumuhlen, Heikendorferweg, Germany, assignor to N. V. Nederlandsche Technische Handel Mij "Giro", The Hague, Netherlands

Application January 20, 1936, Serial No. 59,963
In Germany March 19, 1935
6 Claims. (Cl. 33—226)

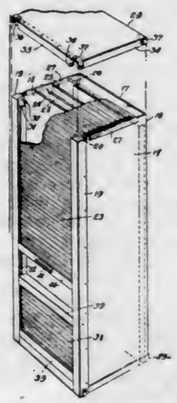
1. In a gyroscopic compass, the combination comprising a bowl filled with a liquid, a spherical

gyroscope carrier submerged in said liquid, a damping system arranged within said gyroscope



carrier, and electro-magnetic means in said carrier and operated through the liquid in said bowl for disabling said damping system.

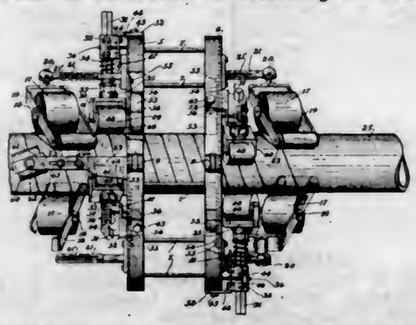
2,070,924
WARDROBE, CABINET, AND THE LIKE
Harry Derman, Laurelton, Long Island, N. Y.
Application July 20, 1936, Serial No. 91,488
9 Claims. (Cl. 312—190)



1. A knock-down cabinet of the class described comprising back, side and end walls and a front door opening, a sliding closure for said door opening comprising a member flexible in one direction, means forming part of the front edges of said side walls for engaging and guiding the side edges of the closure in the movement thereof to open and close said door opening, and means detachable with respect to the upper edges of the cabinet walls and arranged longitudinally of said edges and transversing the cabinet adjacent one end wall thereof for supporting and guiding said closure in its movement with respect to said end of the cabinet.

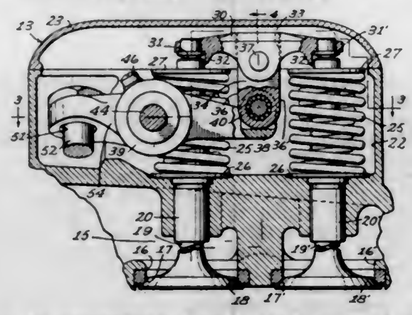
2,070,925
PIPE WRAPPING MACHINE
Eugene L. Rolfs, Clayton, Mo., and Charles W. Fuller, Houston, Tex., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 22, 1932, Serial No. 624,024
7 Claims. (Cl. 242—11)

1. In a pipe-wrapping machine, a frame rotatable on said pipe as an axis, means on the frame bearing on the pipe to support said frame rotatably on the pipe, a roll of wrapping material on one side of said frame, and means on the opposite side of the frame for balancing the frame,



said balancing means being circumferentially and radially adjustable.

2,070,926
VALVE AND ROCKER ARM ASSEMBLY FOR RADIAL ENGINES
Charles P. Sander and Walter H. Righter, Glendale, and Gunnar Edenquist, Los Angeles, Calif., assignors to Kinner Airplane & Motor Corp., Ltd., a corporation of California
Application June 17, 1935, Serial No. 26,972
12 Claims. (Cl. 123—90)

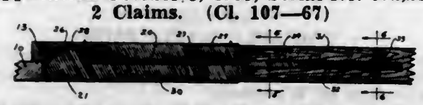


1. In combination with a valve in head combustion engine cylinder: a pair of valve stems; means for simultaneously actuating said valve stems embodying a balance bar engaging the outer ends of said valve stems; a link attached to the midportion of said balance bar and extending inwardly between said valve stems; a rocker arm having one end pivotally attached to the inner end of said link; and bearing means pivotally supporting said rocker arm at a substantial distance inward from the outer ends of said valve stems.

2,070,927
ART OF CARROTING FUR
Jack D. Sartakoff, Elmhurst, N. Y.
No Drawing. Application August 11, 1936, Serial No. 95,424
6 Claims. (Cl. 8—21)

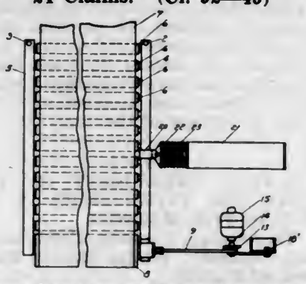
1. The process of carroting fur which includes treating the fur with a solution containing permanganate and an acid selected from the group consisting of nitric and sulphuric, said acid being in excess of that which will completely react the permanganate into a substantially colorless compound on the fur upon completion of the reaction, and the permanganate and acid being present in proportions sufficient to cause substantial shrinkage but insufficient to burn the fur.

2,070,928
BAKER'S PEEL
Henry L. Schroeder, Chicago, Ill.
Application October 5, 1933, Serial No. 692,250
2 Claims. (Cl. 107—67)



1. A baker's peel comprising a relatively thin, rectangular body portion reenforced at the heel end by a transverse reenforcing strip secured upon the upper surface thereof and being provided at the heel end with a reentrant handle hook slot, the transverse reenforcing member being cut away at the inner extremity of the reentrant handle hook slot to provide handle engaging means thereon, a thin handle engaging plate secured between the body and the strip and having a portion spanning the slots thereof, and a metallic, detachable handle hook comprising a longitudinally extending metallic member with a terminal, angularly extending lug or boss, a transversely extending member integrally attached therewith and spaced from the aforesaid terminal lug or boss and being provided at its extremities with inwardly extending lugs adapted for engagement with the upper surface of the said transversely extending reenforcing member whereby to form a quick detachable handle engaging connection between the said handle and the said peel blade.

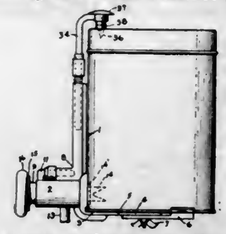
2,070,929
PAPER-SHAKING MACHINE
Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application July 6, 1936, Serial No. 89,104
24 Claims. (Cl. 92—45)



1. In combination with a Fourdrinier paper machine having a shake rail, means pivoting said shake rail at one end and means vibrating the rail at the other end, means positioned between said pivoting and vibrating means comprising a heavy mass, means for positioning said mass to provide free motion in a horizontal direction and elastic means coupling said mass to said shake rail.

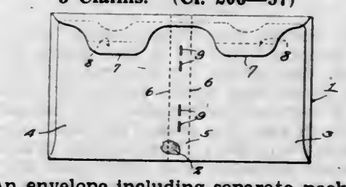
2,070,930
DEVICE FOR WITHDRAWING LIQUID FROM METAL CONTAINERS
Harry Squires, Thompsonville, Conn.
Application October 8, 1936, Serial No. 104,716
14 Claims. (Cl. 221—23)

1. A device for withdrawing liquid from containers, comprising a bracket member, sleeve retaining means extending from the base of said bracket, a sleeve member in said retaining means comprising in combination a vented hole cutting means connecting with a liquid outflow chamber, and a plunger retaining bore, a liquid exit and exit control valve in said outflow chamber, inlet and outlet vents in said retaining bore, unitary valve operating and vent control plunger means



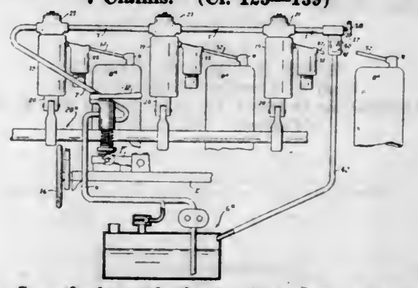
in said bore, means for preventing rotary movement of said sleeve and plunger members, and venting means connecting said outlet vent in said retaining bore with a combination vent chamber and vent piercing means.

2,070,931
COLLECTION ENVELOPE
Cyril Taylor, Chester, W. Va.
Application January 21, 1936, Serial No. 60,097
5 Claims. (Cl. 206—57)



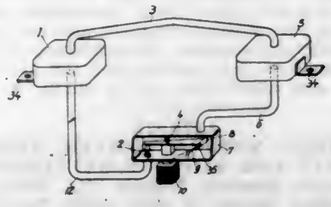
1. An envelope including separate pocket portions at the respective ends thereof joined by a web closing the inner ends of the pockets, there being weakening lines in the web along which the respective pocket portions can be removed from the web, and flaps for the respective pocket portions positioned for sealing said portions prior to their separation.

2,070,932
FUEL-OIL SUPPLY SYSTEM
John Leonard Taylor, Milwaukee, Wis.
Application September 26, 1931, Serial No. 565,282
7 Claims. (Cl. 123—139)



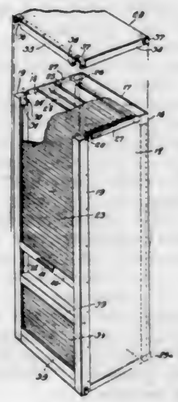
1. In a fuel supply for an internal combustion engine including a source of fuel under pressure, and a plurality of injection pumps the combination of an imperforate conduit connected to supply said pumps from said source, a single throttle interposed in said conduit and arranged to control the flow of fuel to all of said pumps, means for changing the setting of said throttle, and inlet check valves for said pumps having resilient means yieldingly maintaining them in closed position, and arranged to yield only upon the development of a predetermined pressure difference between said conduit and the interior of said pumps.

gyroscope carrier submerged in said liquid, a damping system arranged within said gyroscope



carrier, and electro-magnetic means in said carrier and operated through the liquid in said bowl for disabling said damping system.

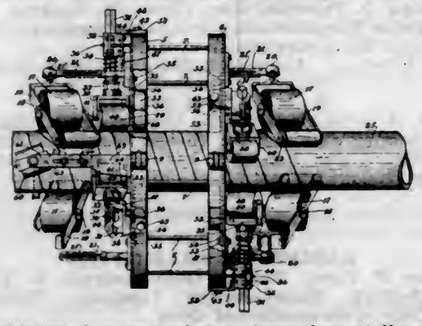
2,070,924
WARDROBE, CABINET, AND THE LIKE
Harry Derman, Laurelton, Long Island, N. Y.
Application July 20, 1936, Serial No. 91,488
9 Claims. (Cl. 312—190)



1. A knock-down cabinet of the class described comprising back, side and end walls and a front door opening, a sliding closure for said door opening comprising a member flexible in one direction, means forming part of the front edges of said side walls for engaging and guiding the side edges of the closure in the movement thereof to open and close said door opening, and means detachable with respect to the upper edges of the cabinet walls and arranged longitudinally of said edges and transversing the cabinet adjacent one end wall thereof for supporting and guiding said closure in its movement with respect to said end of the cabinet.

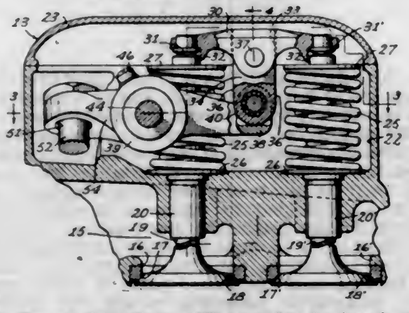
2,070,925
PIPE WRAPPING MACHINE
Eugene L. Rolfs, Clayton, Mo., and Charles W. Fuller, Houston, Tex., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 22, 1932, Serial No. 624,024
7 Claims. (Cl. 242—11)

1. In a pipe-wrapping machine, a frame rotatable on said pipe as an axis, means on the frame bearing on the pipe to support said frame rotatably on the pipe, a roll of wrapping material on one side of said frame, and means on the opposite side of the frame for balancing the frame,



said balancing means being circumferentially and radially adjustable.

2,070,926
VALVE AND ROCKER ARM ASSEMBLY FOR RADIAL ENGINES
Charles P. Sander and Walter H. Righter, Glendale, and Gunnar Edenquist, Los Angeles, Calif., assignors to Kinner Airplane & Motor Corp., Ltd., a corporation of California
Application June 17, 1935, Serial No. 26,972
12 Claims. (Cl. 123—90)

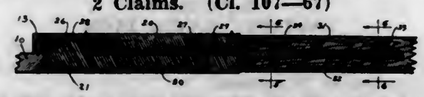


1. In combination with a valve in head combustion engine cylinder: a pair of valve stems; means for simultaneously actuating said valve stems embodying a balance bar engaging the outer ends of said valve stems; a link attached to the midportion of said balance bar and extending inwardly between said valve stems; a rocker arm having one end pivotally attached to the inner end of said link; and bearing means pivotally supporting said rocker arm at a substantial distance inward from the outer ends of said valve stems.

2,070,927
ART OF CARROTING FUR
Jack D. Sartakoff, Elmhurst, N. Y.
No Drawing. Application August 11, 1936, Serial No. 95,424
6 Claims. (Cl. 8—21)

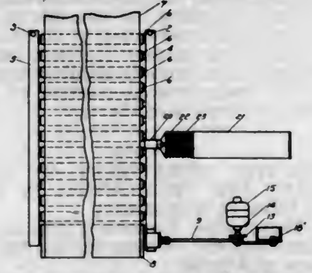
1. The process of carroting fur which includes treating the fur with a solution containing permanganate and an acid selected from the group consisting of nitric and sulphuric, said acid being in excess of that which will completely react the permanganate into a substantially colorless compound on the fur upon completion of the reaction, and the permanganate and acid being present in proportions sufficient to cause substantial shrinkage but insufficient to burn the fur.

2,070,928
BAKER'S PEEL
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2 Claims. (Cl. 107—67)



1. A baker's peel comprising a relatively thin, rectangular body portion reenforced at the heel end by a transverse reenforcing strip secured upon the upper surface thereof and being provided at the heel end with a reentrant handle hook slot, the transverse reenforcing member being cut away at the inner extremity of the reentrant handle hook slot to provide handle engaging means thereon, a thin handle engaging plate secured between the body and the strip and having a portion spanning the slots thereof, and a metallic, detachable handle hook comprising a longitudinally extending metallic member with a terminal, angularly extending lug or boss, a transversely extending member integrally attached therewith and spaced from the aforesaid terminal lug or boss and being provided at its extremities with inwardly extending lugs adapted for engagement with the upper surface of the said transversely extending reenforcing member whereby to form a quick detachable handle engaging connection between the said handle and the said peel blade.

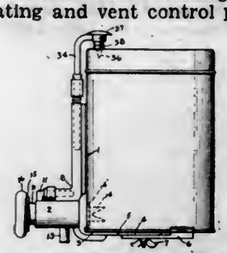
2,070,929
PAPER-SHAKING MACHINE
Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application July 6, 1936, Serial No. 89,104
24 Claims. (Cl. 92—45)



1. In combination with a Fourdrinier paper machine having a shake rail, means pivoting said shake rail at one end and means vibrating the rail at the other end, means positioned between said pivoting and vibrating means comprising a heavy mass, means for positioning said mass to provide free motion in a horizontal direction and elastic means coupling said mass to said shake rail.

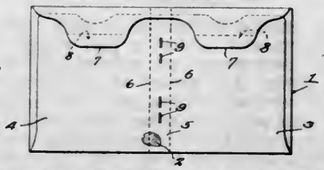
2,070,930
DEVICE FOR WITHDRAWING LIQUID FROM METAL CONTAINERS
Harry Squires, Thompsonville, Conn.
Application October 8, 1936, Serial No. 104,716
14 Claims. (Cl. 221—23)

1. A device for withdrawing liquid from containers, comprising a bracket member, sleeve retaining means extending from the base of said bracket, a sleeve member in said retaining means comprising in combination a vented hole cutting means connecting with a liquid outflow chamber, and a plunger retaining bore, a liquid exit and exit control valve in said outflow chamber, inlet and outlet vents in said retaining bore, unitary valve operating and vent control plunger means



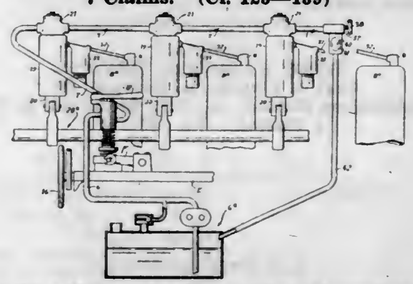
in said bore, means for preventing rotary movement of said sleeve and plunger members, and venting means connecting said outlet vent in said retaining bore with a combination vent chamber and vent piercing means.

2,070,931
COLLECTION ENVELOPE
Cyril Taylor, Chester, W. Va.
Application January 21, 1936, Serial No. 60,097
5 Claims. (Cl. 206—57)



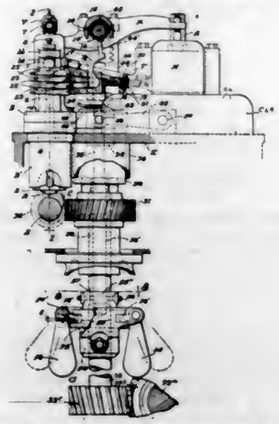
1. An envelope including separate pocket portions at the respective ends thereof joined by a web closing the inner ends of the pockets, there being weakening lines in the web along which the respective pocket portions can be removed from the web, and flaps for the respective pocket portions positioned for sealing said portions prior to their separation.

2,070,932
FUEL-OIL SUPPLY SYSTEM
John Leonard Taylor, Milwaukee, Wis.
Application September 26, 1931, Serial No. 565,282
7 Claims. (Cl. 123—139)



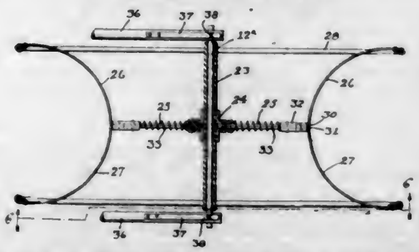
1. In a fuel supply for an internal combustion engine including a source of fuel under pressure, and a plurality of injection pumps the combination of an imperforate conduit connected to supply said pumps from said source, a single throttle interposed in said conduit and arranged to control the flow of fuel to all of said pumps, means for changing the setting of said throttle, and inlet check valves for said pumps having resilient means yieldingly maintaining them in closed position, and arranged to yield only upon the development of a predetermined pressure difference between said conduit and the interior of said pumps.

2,070,933
ENGINE GOVERNING SYSTEM
John Leonard Taylor, Milwaukee, Wis.
Application February 27, 1932, Serial No. 595,562
7 Claims. (Cl. 123—140)



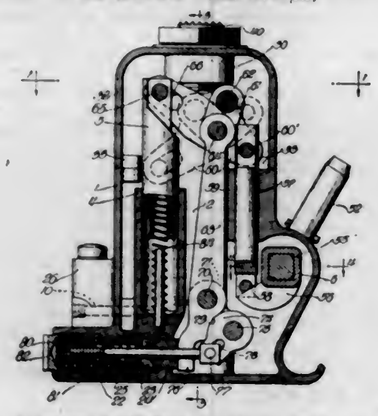
4. An engine governing system including a speed responsive device, a fuel pump including a piston, stop means for determining the stroke of said piston, and means for reciprocating said piston, a vertically adjustable stem member connected with said stop means for positioning it in accordance with the vertical position of said stem, and means actuated from said speed responsive device for positioning said stem including a plurality of interfitting superposed wedge blocks, fixed means for supporting the lowermost of said wedge blocks, and means connecting the uppermost of said wedge blocks with said stem, whereby rising and falling movement of said wedge block will be communicated to said stem, alternate wedge blocks being apertured and guided on said stem, and the remaining wedge blocks being slotted and capable of movement transverse to the direction of movement of said stem, and connections from said speed responsive device for so moving the last mentioned wedge blocks.

2,070,934
WIRE HANDLING DEVICE
Carl A. Thompson, Harvard, Ill.
Application October 14, 1935, Serial No. 44,904
5 Claims. (Cl. 242—94)



1. A wire winding reel comprising a hub, spokes carried thereby, two separable groups of wire receiving arms carried by said spokes, annular members connecting the ends of each group of arms and constituting tires whereby the reel can be rolled along the ground, and slidable sleeves detachably connecting both groups of arms to said spokes and enabling the separation of the same from said spokes and from one another for releasing therefrom in coil form the wire wound thereon.

2,070,935
VARIABLE RATIO JACK
William A. Traut, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 20, 1933, Serial No. 661,767
31 Claims. (Cl. 60—52)



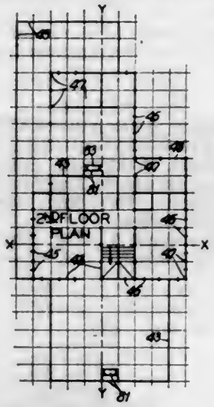
1. A pump including a pump plunger, a pivoted lever connected to said plunger for actuating the same, one end of said lever being movable between predetermined limits, and means operable during the actuation of the pump plunger by the lever for altering the effective leverage of the lever to alter the length of stroke of the pump plunger, said means including a movable member determining the effective leverage of the lever, a cam for locking the movable member in different positions determined by the position of the cam, means for moving the cam, and means for maintaining the movable member in a position fixed by the instantaneous position of the cam even during movement of the cam.

2,070,936
PROTECTIVE TREATMENT OF FRESH FRUITS AND VEGETABLES IN PREPARATION FOR MARKET
Miles L. Trowbridge, Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida
No Drawing. Application December 17, 1934, Serial No. 757,970
6 Claims. (Cl. 99—168)

1. The process of protectively treating fresh fruit in preparation for market which comprises coating the entire surface of fresh fruit with a fluid aqueous emulsion of suitable coating material that is normally solid, said emulsion containing as an emulsifying agent a soap formed by reaction in situ between an alkaline-reacting water-soluble compound of an alkali metal and a free fatty acid and being substantially free of glycerol, and then exposing the fruit to surface drying conditions.

2,070,937
MEANS FOR CONSTRUCTING BUILDINGS
Stanley F. L. Vallet, St. Louis, Mo.
Application August 19, 1932, Serial No. 629,426
4 Claims. (Cl. 189—1)

1. A system of building construction comprising a series of parallel bents spaced from one another, each of which is made up of at least two columns supporting at least one horizontal beam, rigid fastening means for joining the component columns and beams of the respective bents adapted to render the bents independently rigid in their respective planes to a degree such that when any member of the bent is deflected in the plane of the bent by a load all of each of the other members of the bent are forced by bending to aid the deflected member in resisting the load to an extent depending upon substantially their relative stiffnesses, said rigid fastening means comprising gussets having planes the material of



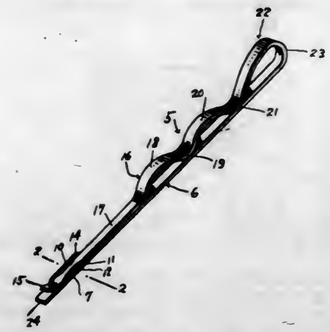
which is parallel to the planes of the bents, struts spacing said bents and positioned perpendicularly thereto, fastening means therefor comprising angle-holding members having planes the material of which is at right-angles to the planes of the bents, rectangular enclosing panels, the inner shapes of said bents accommodating said panels in whole multiples within the bents, and the spaces between columns of adjacent bents and beneath said struts accommodating similar panels in whole multiples, said fastenings for forming the bents from component members and for joining the struts accommodating said rectangular panels within and between bents.

2,070,938
OPHTHALMIC MOUNTING
George Wilmot Walter, Charleston, S. C.
Application April 27, 1933, Serial No. 668,245
1 Claim. (Cl. 88—42)



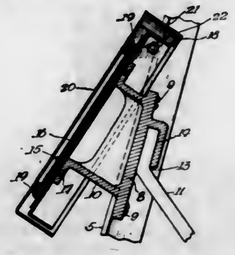
In an ophthalmic mounting, the combination of a pair of lens clamps, each comprising a pair of fingers to embrace the lens, and an abutment extended laterally on each side of said fingers against which the edge of the lens is positioned; a shank extended toward the middle of the mounting from each abutment, at right angles thereto, in the same plane with its lens; a rod extended downwardly from each shank; a bridge having a downwardly projected bar at each of its ends, each of said bars having an outwardly projected portion at its end, attached to one of said rods.

2,070,939
HAIR CLIP OR CLASP
Alvin M. Whitney, Bradford, Pa., assignor of one-fourth to George A. Zillafro, Rixford, Pa.
Application July 5, 1934, Serial No. 733,923
1 Claim. (Cl. 132—50)



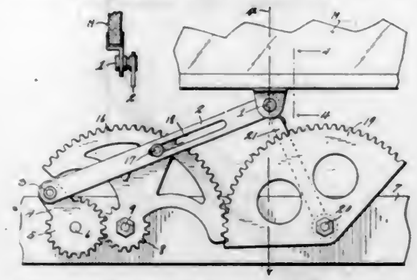
A hair clasp comprising a first bar and a second bar, means at the free end of the first bar embracing and engaging the sides of the second bar for holding the free end of the second bar in engagement with the first bar, comprising oppositely disposed upstanding lugs on the second bar of a length greater than the width of the bar, said lug being directed inwardly at the point of connection with the second bar and flared outwardly at their upper surfaces to a width greater than the width of the first bar.

2,070,940
VISITOR'S REGISTER FOR GRAVES
Bohumil Duchan, Braidwood, Ill.
Application April 24, 1935, Serial No. 17,909
6 Claims. (Cl. 281—1)



1. As a new article of manufacture, a register comprising a stand adapted to be placed on or near a grave and including an upstanding frame, a holder positioned adjacent to the upper portion of the frame and consisting of a forwardly facing, card supporting back wall and a cover for the back wall having a rearwardly extending marginal flange surrounding and projecting rearwardly of the back wall and pivotally connected to the latter so that the cover may be swung away from the back wall to expose and provide access to the cards, and a bracket mounted on the upper portion of the frame of the stand and connected to the back wall of the holder in such manner that when the frame of the stand is in its normal position the holder is supported at a slight incline with respect to the vertical and as a result the cards upon exposure may be readily written on and the cover when in its closed position will shed water and protect the back wall and cards against the elements.

2,070,941
WINDOW OPERATING MECHANISM
Adolph C. Dust, St. Louis, Mo.
Application June 4, 1936, Serial No. 83,549
6 Claims. (Cl. 268—126)



1. In combination with a window closure member for movement back and forth in substantially a fixed path of travel, an operating mechanism for said closure member comprising a lever, means for pivotally connecting said lever to an end marginal portion of the closure member, a pair of intermeshing gears, the end portion of the lever remote from the closure member being pivotally connected to one gear, said lever in its intermediate portion having a slot disposed lengthwise thereof, and a part carried by the second gear extending within the slot of the lever, the ratio of the gears being such to oscillate the lever to move the closure pivot in a straight line.

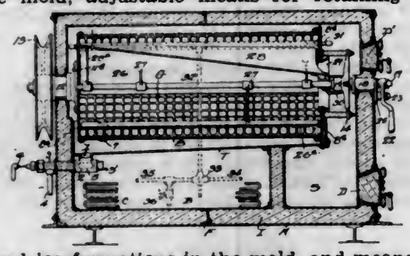
2,070,942
FIRE EXTINGUISHER
Frank M. Engard and Arthur J. Earl, Des Moines, Iowa
Application July 27, 1935, Serial No. 33,504
7 Claims. (Cl. 169—26)



1. In an automatic fire extinguisher, a base member having a passageway designed to be in communication with a source of fire extinguishing fluid under pressure, a hook member on said base member and at one side of said passageway, a bar member having one end loosely resting on said hook member and extending in spaced relationship over said passageway, a ball element between said bar and said passageway, and an adjustable mechanism having a comparatively low temperature fusible element for normally supporting the other end of said bar and holding said ball element thereby into engagement with said passageway.

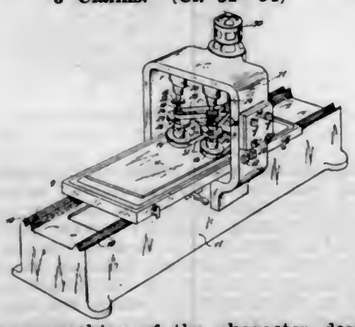
2,070,943
ICE MAKING MACHINE
Charles F. Harold, Winchester, Va.
Application June 29, 1936, Serial No. 88,041
11 Claims. (Cl. 62—105)

1. In an ice making machine of the accretion type, the combination with a rotary carrier having an interior mold and means for supplying water to said mold, of exterior means for applying a refrigerant to the carrier, exterior means for applying a thawing means to the carrier to free the ice-formations from frozen contact with the mold, adjustable means for retaining the



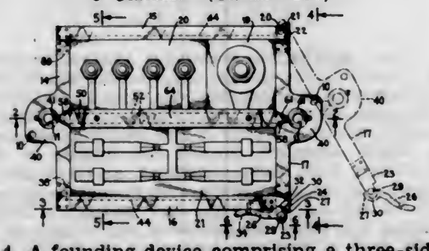
freed ice-formations in the mold, and means for discharging the ice-formations from the carrier.

2,070,944
METHOD AND APPARATUS FOR FINISHING SURFACES
Foster F. Hillix, Lakewood, Ohio, assignor, by mesne assignments, to The American Steel and Wire Company, Cleveland, Ohio, a corporation of New Jersey
Application August 9, 1933, Serial No. 684,358
3 Claims. (Cl. 51—54)



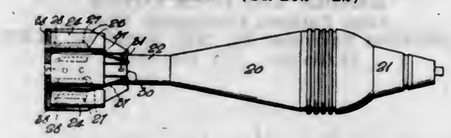
1. In a machine of the character described the combination of a base, a table slidably supported by said base, means for reciprocating said table, a frame fixed to said base and comprising a fluid pressure operated reciprocating motor comprising a piston rod, a shaft adapted to support a tool, a flexible connection for operatively connecting said shaft to said piston rod, an unbalanced flywheel rotatably supported by said shaft, and means for rotating said flywheel.

2,070,945
MOLDING MACHINE
Daniel M. Jones, Troy, N. Y.
Application November 29, 1933, Serial No. 700,206
Renewed September 23, 1936
9 Claims. (Cl. 22—157)



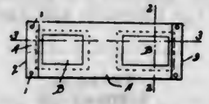
4. A founding device comprising a three-sided main frame having a single opening for accommodating a single row of one or more interchangeable large size match plates; a dividing bar shaped for connection to the main frame and when so connected dividing said single opening into a plurality of openings, each having a single open side, for locating and supporting a plurality of rows of interchangeable small size match plates.

2,070,946
PROJECTILE
Bryan P. Joyce, East Orange, N. J., assignor to American Armament Corporation, Hoboken, N. J., a corporation of New York
Application October 7, 1935, Serial No. 43,970
17 Claims. (Cl. 102—12)



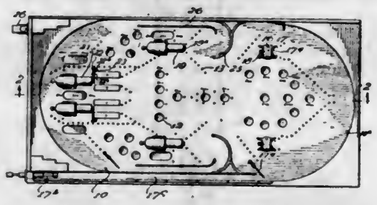
1. A projectile provided with radially disposed tail fins, each of said fins comprising a solid plate with smooth edges, the opposed sides of said fins being provided with stream-lined projections approximately midway between the inner and outer edges of said fins, and combustible powder containers located between said fins and having indentations receiving said projections.

2,070,947
BRAKE BLOCK
Emil J. Klemm, Jr., Salt Lake City, Utah
Application November 25, 1933, Serial No. 699,672
2 Claims. (Cl. 188—251)



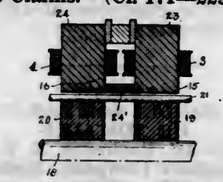
1. In a brake block, the combination of a metallic block formed of metal alloy of copper, and lead; frusto-conical openings through said block; frusto-conical asbestos fiber inserts through said openings.

2,070,948
MARBLE GAME APPARATUS
Frank Koehler, Portland, Oreg.
Application October 12, 1935, Serial No. 44,665
3 Claims. (Cl. 273—122)



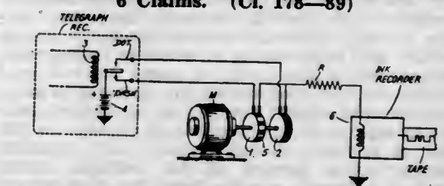
1. In a game of the character described, the combination of an elongated, longitudinally inclined playing board having means associated therewith forming a longitudinal series of ball retaining object holes, means for projecting a group of balls, one at a time, to the upper end of the board for gravitation down the board and electrically operated means controlled by a ball projected onto the board for back rolling a previously played ball so that it rolls up the board.

2,070,949
WELDING CURRENT GENERATION
James F. Lincoln, Shaker Heights, and George G. Landis, University Heights, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application January 30, 1935, Serial No. 4,048
8 Claims. (Cl. 171—223)



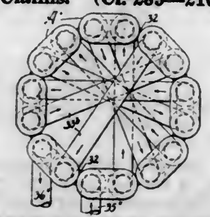
1. In a dynamo electric machine having relatively rotatable armature and field units, said field unit having axially aligned paired pole pieces, series and exciting windings respectively arranged on said pole pieces, and means establishing a magnetic linkage path between said pole pieces.

2,070,950
CODE SIGNALING
Richard E. Mathes, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 27, 1935, Serial No. 33,509
6 Claims. (Cl. 178—89)



4. A receiving system for three element telegraph signals in which dot, dash, and space units have different characteristics but equal time intervals, a relay having armature mechanism movable from a non-contacting position to a dot contacting and to a dash contacting position selectively and alternatively in response to dot and dash signals respectively, a commutator device driven synchronously with the signals, a two-element recording device, and interconnecting circuits such that the relay cooperates with the commutating device to feed the recorder with dot and dash impulses of a single characteristic but of different time intervals, and space units of a different characteristic.

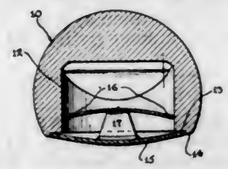
2,070,951
COOLER
Charles Meldau, New York, N. Y.
Application June 7, 1934, Serial No. 729,405
4 Claims. (Cl. 285—210)



1. A manifold composed of connected units each of which is arranged at an angle to the adjacent unit, each of such units having a U-shaped

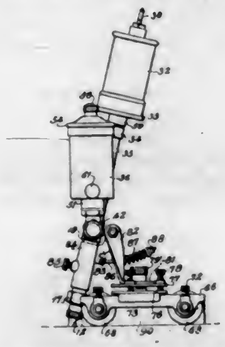
channel with two open ends facing in the same direction and a longitudinal web intervening between the parallel members of said channel, each unit being provided with tubular outwardly-tapered portions surrounding the open ends of the U-shaped channel, and with inwardly-tapered annular grooves surrounding said tubular portions, said tapered tubular portions projecting beyond the outer circumferential walls of the respective annular grooves.

2,070,952
KNOB OR HANDLE FOR BAR BEER TAPS OR THE LIKE
Charles F. Mitchel, Rochester, N. Y., assignor to Bastian Brothers Company, Rochester, N. Y., a corporation of New York
Application February 27, 1936, Serial No. 66,134
4 Claims. (Cl. 40—8)



1. In combination, a knob or handle for bar beer taps or the like formed of a plastic material of substantially less than metallic hardness, having a cavity in its body opening through one side thereof, said body having an annular seat around the opening of the cavity, a name plate to seat flatwise on said seat across the opening, a gripping member rigidly secured at its central portion to said plate and positioned parallel to the plate in spaced relation thereto, said gripping member being formed of flat resilient spring metal of a length greater than the diameter of the opening and having freely extending end portions to bow into the cavity and bite into the wall of the cavity.

2,070,953
STRIPE PAINTING MACHINE
Herbert T. Morgan, Santa Barbara, Calif.
Application February 14, 1934, Serial No. 711,260
14 Claims. (Cl. 91—62.6)

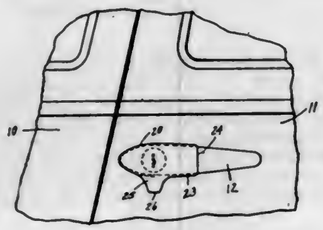


6. A paint striping device comprising a work contacting tip, a spring projected tongue carried thereby and depressible thereinto by work contact, means for dispensing paint through said tip, and means for imparting lateral vibration only to said tongue.

2,070,954
FRICTION BLOCK
George W. Nickerson, Butte, Mont.
No Drawing. Application August 9, 1935, Serial No. 35,551
3 Claims. (Cl. 106—7.5)

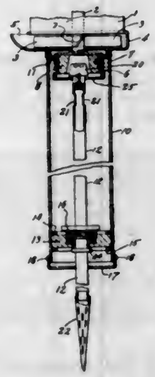
1. Composition of matter block which in the abraded form has the property of enhancing friction comprising rosin in pulverulent form set in a matrix of plaster of Paris, the proportions by weight being approximately three parts of rosin and two parts of plaster of Paris.

2,070,955
HANDLE AND LOCK COVER
John Parisoe, Cincinnati, Ohio
Application November 25, 1935, Serial No. 51,392
13 Claims. (Cl. 150—52)



1. A cover for a door handle and key operable lock including a flexible body portion to receive the major portion of the handle, a tubular extension for handle shaft envelopment, and a projecting portion adapted for movement to expose the lock for key insertion and apertured for key reception.

2,070,956
VIBRATOR
John C. Pelton, North Hollywood, Calif.
Application June 23, 1936, Serial No. 86,799
17 Claims. (Cl. 25—1)

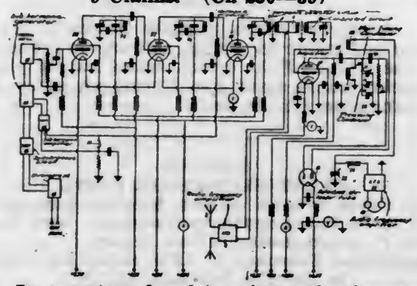


1. In a vibrator, the combination of: a balanced rotor, a rod-like member in axial alignment with said rotor, and means for restraining lateral motion of said rod-like member, said means being spaced from the end of the rod-like member, said rod-like member being adapted to loosely contact the rotor.

2,070,957
METHOD OF TREATING TOBACCO AND IMPROVED TOBACCO PRODUCT
Frederick H. Penn, Dallas, Tex.
No Drawing. Application April 1, 1936, Serial No. 72,176
8 Claims. (Cl. 131—31)

1. The method of improving tobacco which comprises incorporating thereinto an amyl alcoholic liquid which does not evaporate appreciably below 105° F.

2,070,958
FREQUENCY DETERMINING SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 8, 1931, Serial No. 535,910
9 Claims. (Cl. 250—39)



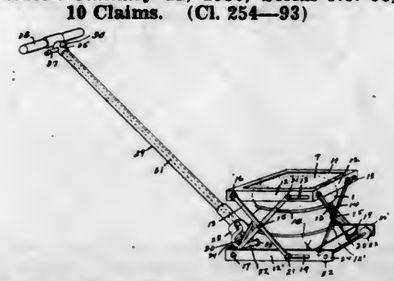
1. In a system for determining the frequency of a transmitting station, a receiver having means for generating locally, oscillations, means for combining the locally generated oscillations with received oscillations in order to receive signals from the transmitting station, a control oscillation generator, means for producing harmonics of known frequency therefrom, means for selecting harmonic energy of known frequency to one side of the frequency of said transmitting station and beating the selected energy with the locally generated energy to produce a zero beat note, means for deriving sub-harmonic energy from said control oscillator, means for adding harmonics of said sub-harmonic energy to the energy producing said zero beat note whereby the unknown frequency of the transmitting station may be determined by the algebraic addition of harmonics of the sub-harmonic energy to the harmonic of the control oscillator giving the zero beat note.

2,070,959
KNIFE FOR SUGAR CANE MILLS OR THE LIKE
Alexander Smith, Ansonia, Conn., assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut
Application February 20, 1935, Serial No. 7,312
5 Claims. (Cl. 146—121)



1. A rotary cutter for sugar cane, having an arm adapted for connection to a shaft, and an elongated knife, with means for attaching the knife to the arm in any one of a plurality of similar oblique positions at the end of the arm, the knife having cutting edges on its opposite sides, either of which may be arranged in a cutting position, and oblique serrations toward each end of such cutting edges of the knife, the serrations toward each end of the knife being disposed to face the opposite end thereof.

2,070,960
JACK
Rodney F. Phillips, Oakland, Calif.
Application January 11, 1936, Serial No. 58,694
10 Claims. (Cl. 254—93)



1. A jack comprising a vertically extensible flexible bellows device, a base member and a top member at the bottom and top of the bellows, two pairs of links the links of each pair being pivotally connected together at a point intermediate their opposite ends, said pairs of links being disposed at substantially diametrically opposite sides of said bellows device when the same is in collapsed position, one of the links of each pair being pivotally connected at one end thereof to the top member and the other link of each pair being pivotally connected to the bottom member and separate substantially horizontally extending guide means formed on the base and top members mounting the opposite ends of the links respectively of each pair for horizontal movement relative to the members upon fluid being admitted to the bellows and exhausted therefrom and subsequently to vertical extension and contraction of the bellows and means for admitting fluid under pressure to said bellows.

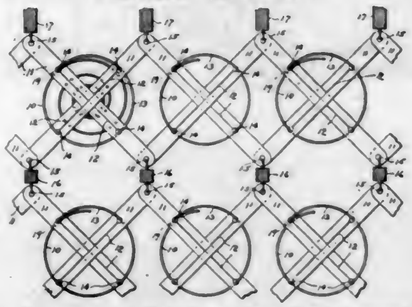
2,070,961
PROCESS OF TREATING TAR AND PITCH
Charles S. Reeve, Leonia, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 18, 1930, Serial No. 468,999
13 Claims. (Cl. 196—76)

6. The method for treating tars and pitches produced in coal gasification processes to increase the free carbon content thereof which comprises distilling off a portion of the volatile constituents of the material, heating the residue under superatmospheric pressure at a high temperature without substantial distillation thereof so that the free carbon content of the material is substantially increased, and under conditions so as to retain in the product a substantial amount of volatile matter and to avoid coking of the material.

2,070,962
COMPOSITION OF MATTER
Ernest W. Reid, Pittsburgh, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 6, 1933, Serial No. 659,837
1 Claim. (Cl. 87—5)

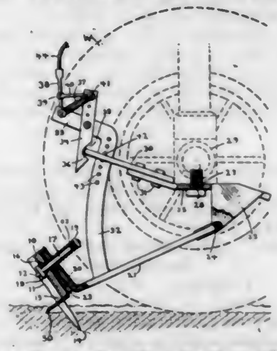
Liquid solvent composition having a flash point above 80° F. consisting of substantially 60 parts by volume of ethylene dichloride and 40 parts by volume of trichlorethylene.

2,070,963
STRAP FOR UPHOLSTERY SPRINGS
Samuel E. Schwartzman, Brooklyn, N. Y.
Application June 20, 1935, Serial No. 27,466
2 Claims. (Cl. 5—267)



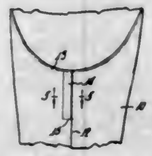
1. A device of the class described comprising a pair of intersecting straps each having a slot intermediate of its ends and one strap passed through the slot in the other; the upper convolution of a spiral spring passed through the slots in both straps; the slots made of a length substantially equal to the diameter of the said convolution; and the straps located substantially at right angles to each other.

2,070,964
TRACK LEVELER FOR TRACTORS
Glenn W. Scott, Mount Zion, and Arch Frizzell, Decatur, Ill.
Application August 10, 1936, Serial No. 95,194
5 Claims. (Cl. 97—47)



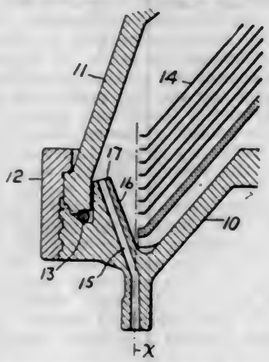
1. An earth leveler for tractor wheels comprising a substantially rectangular scraper plate having a plurality of teeth secured to its front face and extending below the scraping edge of said plate, a substantially horizontally disposed vertically adjustable arm yieldably secured to the rear face of said plate, said arm being hingedly connected to a substantially horizontally extending fixed arm having a slot in its outer end, a substantially vertically extending arm secured to said vertically adjustable arm and projecting through said slot and having its upper end terminating in a substantially horizontally extending arm, a spring controlled latch pivotally mounted on said horizontal arm, a lever pivotally mounted on the extreme end of said horizontal arm, a link connecting said lever with the end of said latch, a slot in the lower end of said latch to engage the outer end of the said substantially horizontally extending fixed arm, means for securing said fixed arm hingedly to a tractor body, and a cable attached to the end of said lever for lifting or lowering said scraper plate to operative and inoperative position, respectively.

2,070,965
CROTCH CONSTRUCTION FOR TROUSERS
Joseph Siegel, New York, N. Y.
Application April 10, 1936, Serial No. 73,609
2 Claims. (Cl. 2—227)



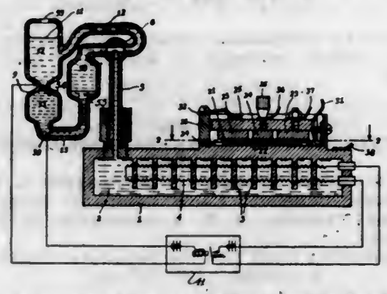
1. A pair of men's trousers having a crotch seam and inside leg seams, said inside leg seams at the region of the crotch seams having pleats therein, crotch seam constituting an upper anchoring seam for the pleats.

2,070,966
YEAST SEPARATOR BOWL
Nils Edvin Svensjö, Alsten, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application February 13, 1934, Serial No. 710,994
In Sweden February 25, 1933
1 Claim. (Cl. 233—46)



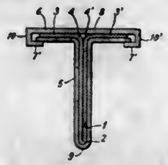
A separator bowl comprising a body forming the bottom of the bowl and extending upward therefrom an outwardly inclined peripheral portion forming the lower part of the outer wall of the separating chamber, a hood forming the upper part of the outer wall of the separating chamber and extending outside said peripheral portion of the body, the upper face of which, with the adjacent inner wall of the hood forms a sludge pocket, said peripheral portion of the body having a discharge channel whose inlet is in the upper face of said peripheral portion of the bowl body and in the bottom of said sludge pocket, a pile of discs in the separating chamber, the lower annular corner of the pile being positioned substantially below the level of said pocket and the inlet end of said channel, said channel extending downward through said peripheral portion of the body at an angle substantially less than 45° to the axis of the bowl and having an outlet located at a radial distance from the bowl axis not less than about the radial distance from the bowl axis of the circumferential edges of the discs.

2,070,967
TEMPERATURE CONTROL SYSTEM
Lloyd L. Young and James L. Finch, Patchogue, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 15, 1931, Serial No. 568,962
7 Claims. (Cl. 219—19)



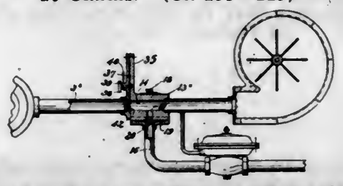
1. A temperature regulating device having a container composed substantially of metal, a heating element within the body of said container, an external source of power for heating said element, at least one of the walls of said container being in intimate thermal contact with one of the electrodes of a crystal resonator, a non-conducting fluid surrounding said heating element, said non-conducting fluid being adapted to expand and contract in accordance with variations in temperature of said crystal resonator, an insulating container located and supported outside said metallic container, said insulating container having three separate chambers which are in fluid communication with each other and also said metallic container, a conducting fluid retained within at least one chamber of said insulating container, the non-conducting fluid normally located within the other two chambers of said insulating container, means for controlling the flow of said fluids within said chambers, said second mentioned fluid being responsive to the actions of said first mentioned fluid for controlling the source of power supplied to said heating element.

2,070,968
ANODE FOR ELECTRON DISCHARGE DEVICES
Cabot Seaton Bull, Hillingdon, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain
Application February 11, 1936, Serial No. 63,318
In Great Britain February 16, 1935
9 Claims. (Cl. 250—27.5)



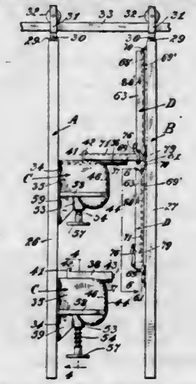
1. In an electron discharge device, an anode comprising a copper sheet with insulatingly spaced edges to impede circulating eddy currents and constructed and arranged to maintain said anode, in operation, at a substantially uniform temperature, and a second sheet of metal of the iron class in thermal contact with said first sheet, said second sheet encompassing said first sheet with its edges in good electrical contact to facilitate the circulation of eddy currents induced by a high frequency field.

2,070,969
GAS BURNING APPARATUS
Charles F. Carroll and Arthur O. Willey, Cleveland, Ohio, assignors to A. R. Carroll and J. L. Frantz, both of Cleveland, Ohio
Application May 10, 1932, Serial No. 610,330
16 Claims. (Cl. 158—119)



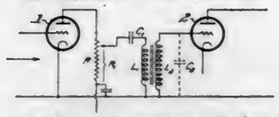
1. Gas burning apparatus comprising, in combination, a burner, an air-pumping device operatively connected to said burner, said pumping device being of a type exhibiting the relation, $pv=c$ throughout a substantial range of pressures, p, and flow of volumes, v, c being substantially a constant, there being a mixing chamber located between said pumping device and said burner and having an inlet port in its wall exposed to the air pressure in said chamber, a gas connection communicating with said port and supplying gas thereto at a pressure greater than that within said mixing chamber, and a thin sheet of rigid material traversing said port and having therein a circular sharp edged aperture whose diameter is greater than the thickness of said sheet and whose margin is spaced from the wall of said port, whereby a substantially fixed gas-air ratio is maintained in the mixing chamber throughout the stated pressure ranges.

2,070,970
BOX PACKING DEVICE FOR FREIGHT CARS
Eric L. Engblom, Brooklyn, N. Y.
Application January 4, 1936, Serial No. 57,468
18 Claims. (Cl. 105—369)



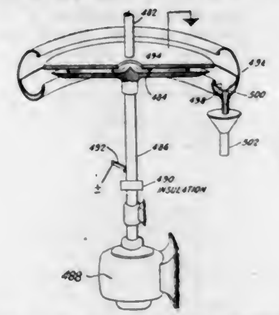
1. In a freight packing device, in combination, a pair of spaced opposed flatwise movable bulkheads, a presser unit adapted to be fixedly mounted upon one of said bulkheads, said presser unit including a pusher slide movable toward the other said bulkhead and means adapted to move said slide, and a thrust unit adapted to be fixedly mounted upon said other bulkhead and including a thrust member in the path of movement of said slide for thereby forcing said bulkheads away from each other, said slide-moving means comprising a flexible tensile member connected with said slide, and operating means adapted to draw upon said tensile member.

2,070,971
AUDIO FREQUENCY TRANSMISSION CIRCUIT
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 18, 1933, Serial No. 671,773
13 Claims. (Cl. 179—1)



1. An audio frequency transmission system including an input resistance across which an audio frequency voltage may be impressed, an adjustable tap on said resistance, an audio frequency load circuit connected between said tap and one terminal of said resistance, and means serially connected between said tap and said load circuit and including the portion of the resistance between the adjustable tap and said terminal for reducing the efficiency of transmission of low frequencies at a less rapid rate than that of the reduction in the efficiency of transmission of higher frequencies when said tap is adjusted to lower the transmission efficiency.

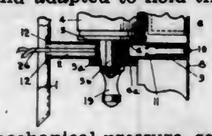
2,070,972
HIGH VOLTAGE GENERATOR
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application August 9, 1933, Serial No. 684,328. Divided and this application February 1, 1935, Serial No. 4,475
16 Claims. (Cl. 171—329)



1. A high voltage generator comprising a pair of relatively movable disk surfaces, means for feeding a liquid between said surfaces, means for charging said liquid, and means for discharging said liquid after being thrown out from between said disks by centrifugal force.

2,070,973
INTERCHANGEABLE SHADED WALL LIGHTING FIXTURE
James R. Marsh, Essex Fells, N. J.
Application March 10, 1932, Serial No. 597,994
7 Claims. (Cl. 240—73)

1. In combination, in a lamp bracket for a wall, a vertical base adapted to be attached to a wall outlet box, a horizontally disposed arm, an electric lamp thereon, a shade adapted to be attached to said arm, said arm constituting one member and said shade the other member, projections rigidly attached to and upon one member, recesses in the other member to receive said projections and adapted to hold them in a fixed



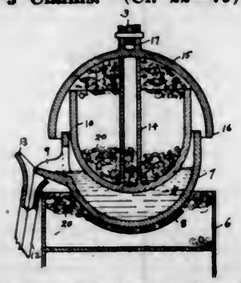
position by mechanical pressure, said projections being slidably moveable in and out of said recesses.

2,070,974
ELECTRIC CABLE SYSTEM AND JOINT THEREFOR
Fred C. Meyer, Paterson, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application April 27, 1934, Serial No. 722,655
6 Claims. (Cl. 247—3)



1. In combination a joint casing for high tension electric cable systems, a barrier plate within said joint casing adjacent each end thereof, a pipe line filled with oil maintained under high pressure, insulated cable conductors in said pipe line, means for rigidly connecting said barrier plates to the adjacent ends of two lengths of the pipe line, thimbles for said barrier plates for receiving said cable conductors, the cable conductors extending through said thimbles into the interior of the joint casing, means for joining the ends of the conductors within said joint casing, each of said cable conductors being provided with a short length of an impervious metal sheath surrounding the insulation of the conductor and extending through said thimbles, a non-metallic wrapping about that portion of each impervious metal sheath which extends through a thimble, a wiped joint uniting each of said thimbles with the metal sheath of the conductor passing through that thimble, oil under high pressure filling the cable pipe line and oil under the same pressure filling the joint casing.

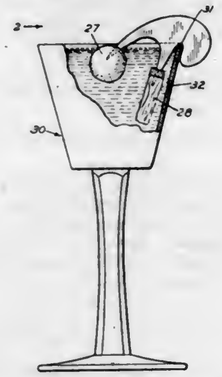
2,070,975
SAFETY CASTING DEVICE
Crawford Park, Youngstown, Ohio
Application April 29, 1935, Serial No. 18,804
3 Claims. (Cl. 22—79)



1. In a device of the class described, a bowl shaped melting pot, means for heating said bowl shaped melting pot, a base member for said melting pot, a bowl shaped displacing member functioning within said bowl shaped melting pot for the purpose of forcing metal to an outlet spout

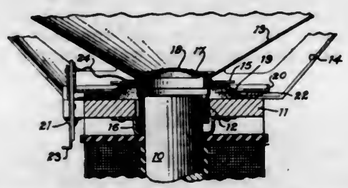
of the pot, a controlling lever for said displacing member, a dome shaped cap member for covering said bowl shaped melting pot and bowl shaped displacing member, said bowl shaped displacing member and central portion of said cap member packed with material to prevent heat radiation, means for holding said cap member and bowl shaped displacing member in fixed relation to each other.

2,070,976
FRUIT PRONGS
Peter Petersen, Los Angeles, Calif., assignor of one-half to Thomas G. Miller, Venice, Calif.
Application June 9, 1936, Serial No. 84,285
7 Claims. (Cl. 30—5)



5. A device as described formed of a rigid thin flat piece of sheet material having an upwardly extending notch formed on its under edge, a finger grip portion extending downwardly on the outside of the notch and upwardly above the notch, an extension from the finger grip portion above the notch having a downward curve and forming a prong for impaling fruit, the notch being adapted for securing the device on the rim of a glass with the prong extending into a liquor in the glass whereby the flat rigid piece with the integral finger grip portions and prong occupy a vertical plane.

2,070,977
SOUND REPRODUCER
La Vern E. Quinnell, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona
Application October 15, 1935, Serial No. 45,069
In Australia June 4, 1935
7 Claims. (Cl. 179—115.5)

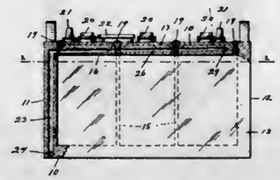


2. In a sound reproducing device of the character described having a conical diaphragm with an actuating coil disposed in a magnetic air gap formed between an inner and an outer pole piece, means for excluding foreign particles from said air gap, comprising a pilose fabric pervious to the passage of air and impervious to the passage of solid particles disposed inside the diaphragm and closing the open apex thereof, and a limp annular skirt-like member of pilose material secured at its inner boundary to the diaphragm system extending free of any intermediate support and engaging the outer pole piece at its outer boundary.

2,070,978
TREATING CRACKED PETROLEUM DISTILLATES
John P. Smoots, Shaker Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Original application August 23, 1929, Serial No. 387,932. Divided and this application September 8, 1933, Serial No. 688,610
14 Claims. (Cl. 44—9)

1. As a new product, a motor fuel of cracked petroleum distillate treated with a dihydroxy aromatic compound with one ring and a gasoline soluble organic base comprising a monocyclic aromatic amine.

2,070,979
NONSPILLABLE STORAGE BATTERY
Joseph R. Vanek, Poughkeepsie, N. Y.
Application March 29, 1935, Serial No. 13,677
1 Claim. (Cl. 136—177)

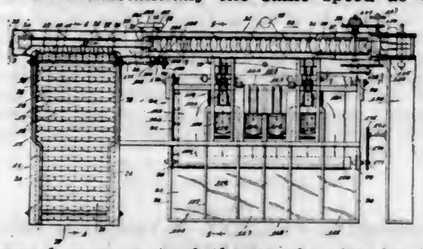


A storage battery comprising a casing divided into cells having covers, one end wall of the casing having a vertical vent duct therein and disposed adjacent one corner of the casing, the bottom of the casing having a transversely disposed vent duct therein alined with one end wall of the casing and having its outer end opening at one side of the casing and its inner end in communication with the lower end of the vertical duct, one side wall of the casing having a plurality of longitudinally extending vent ducts formed therein adjacent its upper edge, each having its inner end in communication with a cell, the outer ends thereof discharging into the rear end of said vertical vent duct.

2,070,980
EGG CANDLING AND SIZING MACHINE
William C. Wyland, San Gabriel, Calif., assignor to J. W. Wyland & Sons, a corporation of California
Application October 14, 1933, Serial No. 693,608
15 Claims. (Cl. 88—14.8)

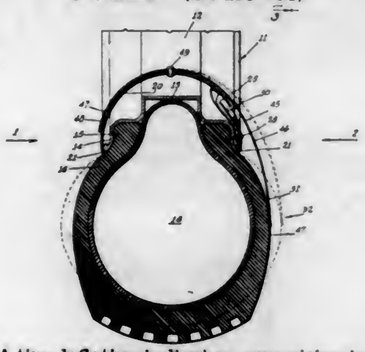
11. In an egg candling machine, endless chains having a roller spool conveyor, means to move the upper run of the conveyor in the direction of feed of the eggs, a track to engage the spools and to rotate same, means interconnecting the spool feed means with the track to reciprocate said track whereby on the movement of the track in

the direction of the feed of the eggs the track moves at substantially the same speed as the



forward movement of the spools whereby the spools have but little or no rotational movement.

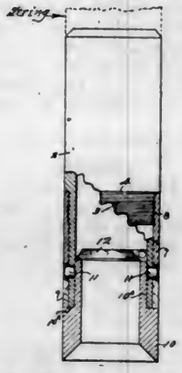
2,070,981
FLAT TIRE INDICATOR
Andrew J. Barnhart and Ralph F. Essert, Placentia, Calif.
Application May 15, 1935, Serial No. 21,546
9 Claims. (Cl. 116—34)



1. A tire deflation indicator, comprising in combination a wheel having a rim, a pneumatic tire attached thereto, a holding device in the form of a strap having hooks engaged by the rim and part of the tire, a sound emitter having a reed with one end rigidly secured to the said device, the said reed being flexible to bend in reverse directions, a resilient arm in the form of a strip of metal secured to the said strap of the holding device and having a free end positioned normally adjacent the side wall of a tire when the tire has its normal contour, the said arm being deflected outwardly on the spreading of the tire, and a pin secured to the arm and contacting the reed.

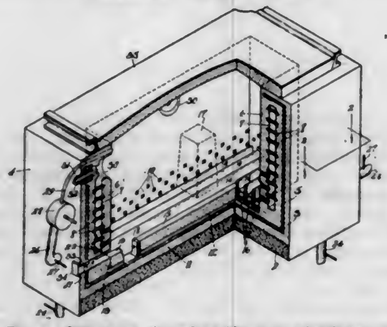
2,070,982
STRAIGHT BOTTOM DUMP BAILER
Raphael R. Candee, McKittrick, Calif.
Application March 28, 1936, Serial No. 71,425
7 Claims. (Cl. 166—19)

1. A well bailer having an upper body with an intermediate shoulder and a reduced part below the shoulder having screw threads, and the lower end of the body having a plurality of L-shaped slots opening to the bottom edge of the body and including transverse portions which are inclined similar to the pitch of the said threads, an exterior sleeve internally threaded to screw onto the body threads and adapted to jam tightly against the body shoulder and the lower end of the sleeve having straight slots opening to the lower end thereof, and a valve-carrying shoe having an upper reduced end portion removably fitted in the lower end of the said body and having a set of lugs slidable in the slots of the sleeve and laterally movable by rotation of the sleeve



and the shoe into the transverse portions of respective L-slots in the body.

2,070,983
FURNACE FOR HEATING MATERIALS UNDER SUSTAINED PRESSURE
Peter R. Church, Steubenville, Ohio, and Henri C. Rateau, Weirton, W. Va.
Application April 2, 1936, Serial No. 72,346
7 Claims. (Cl. 263—43)

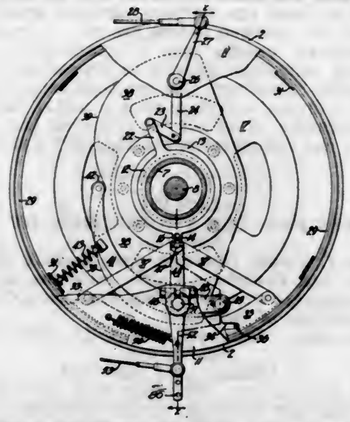


1. In a furnace for heating materials under sustained pressure consisting of outer side and end walls and a removable closure for the charging opening, an inner heat chamber defining wall spaced away from said outer side and end walls to provide a passageway therebetween, a burner penetrating the outer wall and in register with an opening in the inner heat chamber defining wall, a plurality of ports provided in the heat chamber wall affording an avenue for the passage of products of combustion from the heating chamber to said first mentioned passageway and thence to said burner opening from whence said products of combustion may be re-introduced to the heating chamber through the burner opening in the heat chamber wall along with the fuel.

2,070,984
BRAKING SYSTEM
Charles W. Collins, Seattle, Wash.
Application November 14, 1934, Serial No. 752,985
6 Claims. (Cl. 188—140)

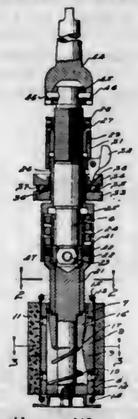
1. In a vehicle having a front and rear wheel, a brake on each wheel, a lever, means for moving one end of the lever, means pivotally connected intermediate the ends of the lever for

operating one of the brakes, a moving pivot for the other end of the lever, and means connected



to said moving pivot for operating the other brake.

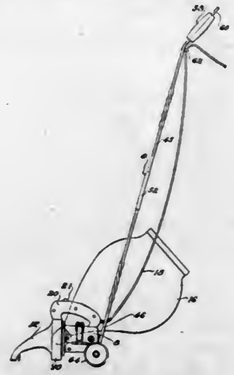
2,070,985
HONING TOOL
Kirke W. Connor, Detroit, Glen M. Calvert, Grosse Pointe, and Albert Bleasdale, Detroit, Mich., assignors to Micromatic Hone Corporation, a corporation of Michigan
Application July 15, 1932, Serial No. 622,686
16 Claims. (Cl. 51—184.2)



5. The combination with an adjustable abrading element of a honing tool, of a plurality of guiding members positioned relative thereto and supported in fixed relation to said tool, said guiding members being made of resilient material, and a member of less resiliency attached to the surface of said material.

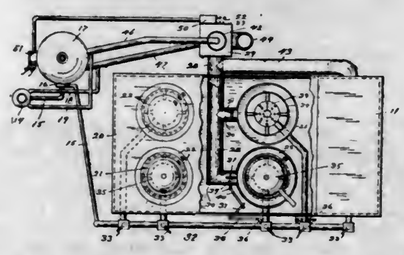
2,070,986
VACUUM CLEANER
Benjamin S. Foss, Brookline, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts
Application June 18, 1934, Serial No. 731,024
13 Claims. (Cl. 15—257)

1. A carriage for adapting a hand vacuum cleaner for floor work comprising a support for the cleaner, an axle carried by the support, wheels mounted on the axle, and a handle comprising lengths of wire having their ends partially looped around the axle, the handle having provision for



swinging movement limited by engagement of the end faces of the wire with the support.

2,070,987
COMBINATION GAS RANGE AND WATER HEATER
William P. Genovar, Jr., Poughkeepsie, N. Y.
Application October 9, 1934, Serial No. 747,489
1 Claim. (Cl. 126—53)

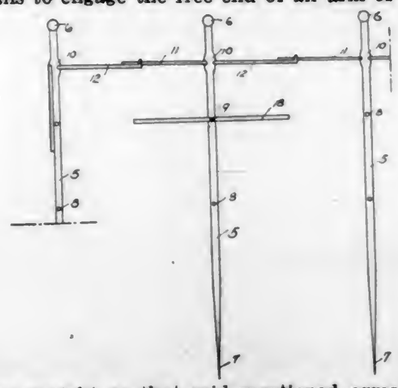


In a combination gas cooking range and water heater including a range top, a series of burners located below and spaced from the range top, an inner tubular casing open at the top and surrounding each burner and spaced below the range top, an outer tubular casing of greater diameter mounted in axial relation to the inner tubular casing and spaced therefrom to form an annular flue, said outer casing being closed at its upper end by the range top and at its lower end by a spacing ring secured to the inner casing, a heat transmitting flue connecting said outer casing and said annular flue and said water heater for conveying the heat from the burner to the water heater, means for selectively closing off any of said heat transmitting flues and means for controlling simultaneously both the supply of fuel to a burner and the closure of the flue of a burner.

2,070,988
TRELLIS
Samuel Green, Trenton, N. J.
Application September 9, 1936, Serial No. 99,918
3 Claims. (Cl. 47—44)

1. A trellis of the character described, comprising a plurality of uprights, arms pivotally connected with and extending from opposite sides of said uprights at a point near their upper end,

the free end of an arm of one upright having means to engage the free end of an arm of an-



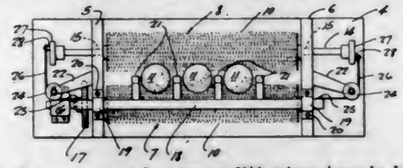
other upright so that said mentioned arms extend horizontally.

2,070,989

MECHANISM FOR RECONDITIONING TENNIS BALLS

Harry D. Jamieson, Los Angeles, Calif.

Application October 2, 1934, Serial No. 746,622
3 Claims. (Cl. 26—29)



1. In a device for reconditioning tennis balls, the combination of a supporting frame, two cylindrical rollers, shafts extending axially through each of said rollers and forming trunnions at the respective ends thereof journalled so as to space the surfaces of said rollers from each other horizontally and in parallel alignment in said supporting frame, needle wires forming teeth slightly spaced apart and extending to a uniform distance radially from and covering the cylindrical surface of each of said rollers, said teeth being uniformly slightly bent intermediate their ends so that their points extend in the same direction on each respective roller tangentially to the surface thereof, means to revolve one of said rollers in the direction of the bend of said teeth, a bar having its ends slidingly mounted on said supporting frame, and being disposed above in spaced relation with and parallel to the surface of one of said rollers, a plurality of fingers spaced apart and extending laterally from said bar into the space between said rollers, and means to longitudinally oscillate said bar with respect to said rollers.

2,070,990

TREATMENT OF HALOGENATED POLYHYDRIC ALCOHOLS

Herbert P. A. Groll, Oakland, and George Hearne, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 25, 1934, Serial No. 732,303
26 Claims. (Cl. 260—156.5)

1. A process for the conversion of a halogenated polyhydric alcohol to an oxy compound containing fewer halogen atoms which comprises reacting a halogenated polyhydric alcohol containing at least one tertiary carbinol group and wherein the halogen atoms are not in excess of the hydroxyl groups with a substantially non-oxidizing substance capable of liberating hydrogen halide therefrom and reacting with the liberated hydrogen halide to form a metal halide at a temperature at which the resulting less halogenated oxy compound is substantially stable.

2,070,991

PROCESS FOR THE PRODUCTION OF ACID AMIDES

Walter J. Hund, Oakland, and Ludwig Rosenstein, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 14, 1934, Serial No. 725,656
10 Claims. (Cl. 260—124)

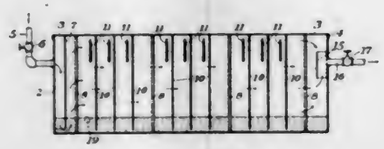
1. A process for preparing acid amides and other valuable products which comprises reacting an ester of an aliphatic monobasic carboxylic acid and of a polyhydric alcohol containing at least two carbon atoms in the acid radical with a sufficient amount of liquid anhydrous ammonia under superatmospheric pressure to form an acid amide, and subsequently recovering a product of said reaction.

2,070,992

CARBURETOR OR THE LIKE

Raymond W. Litzinger, Pittsburgh, Pa., assignor of twenty-five percent to Lee C. Newsome, Minneapolis, Minn., and twenty-five percent to Richard H. Newsome, Bellevue, Pa.

Application May 26, 1934, Serial No. 727,700
10 Claims. (Cl. 261—107)



1. In a carburetor, an enclosed receptacle for a volatile liquid, an air inlet, a vapor outlet, a plurality of transverse partitions of absorbent material extending into the liquid, a transverse partition of pumice stone, succeeding the partitions of absorbent material and means adjacent the air inlet whereby incoming air is passed beneath the surface of the liquid, said pumice stone partition extending into the liquid.

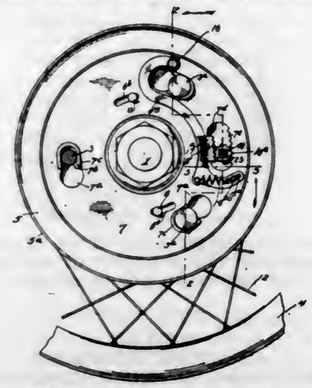
2,070,993

VEHICLE WHEEL

Stephen S. McDonald, Los Angeles, Calif.

Application July 23, 1935, Serial No. 32,764
8 Claims. (Cl. 301—9)

1. A wheel assembly comprising two members combined for limited relative rotation, one member having an annularly elongated perforation made with teeth along one annular edge, a stud in the other member seated in said perforation, a thimble rotatable on said stud and having gear teeth engaging the teeth of the perforation and made with a squared end whereby to rotate the thimble and thereby to turn one member relative to the other, and means on



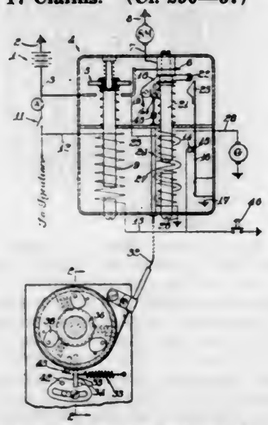
the perforated member engaging the thimble to lock the thimble in position.

2,070,994

BACKFIRING RELEASE FOR AUTOMATIC STARTING MECHANISM

William L. McGrath, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Application January 29, 1932, Serial No. 589,739
17 Claims. (Cl. 290—37)



7. An automatic starting system for an internal combustion engine having a rotating part, including a starting switch, means responsive to backward rotation of said part for opening said switch, and means whereby subsequent forward rotation thereof releases said opening means.

2,070,995

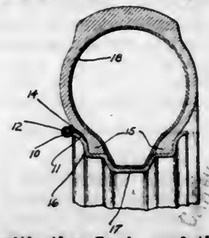
WHEEL BALANCING DEVICE

Frederic E. Mechling, Akron, Ohio, assignor of one-half to George A. Wiedemer, Wadsworth, Ohio

Application June 28, 1935, Serial No. 28,832
6 Claims. (Cl. 301—5)

5. In combination with a vehicle wheel having a pneumatic tire and flanged tire rim, a counter-balancing weight comprising a heavy body portion supported beyond the tire rim flange adjacent the lower side wall of the tire, and a deformable securing tongue for said body portion

frictionally secured between the tire bead and rim flange, said deformable tongue being adapt-



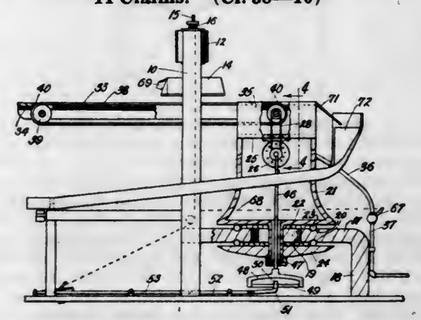
ed to bend with the flexing of the tire wall to permit movement of the body portion relative to the rim flange.

2,070,996

PRESSING MACHINE

Edgar D. Meyer, Cincinnati, Ohio

Application January 14, 1935, Serial No. 1,611
11 Claims. (Cl. 38—10)



1. Pressing apparatus comprising in combination a depressible pedal actuated pressing element, a pressing table universally shiftable in a plane beneath the pressing element, a power-driven conveyor belt operating over the face of the pressing table and pedal actuated means for controlling the speed of the conveyor belt.

7. In combination a depressible pressing element adapted to discharge steam from the bottom thereof, a pressing table, a conveyor belt carried by said table, suction means operative through said table and belt and means mounting said table for universal shifting in a plane beneath said pressing member.

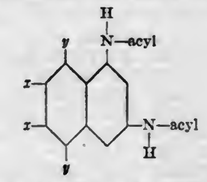
2,070,997

AZO DYESTUFFS

Emil Eduard Misslin, Basel, and Rudolf von Capeller, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application September 25, 1935, Serial No. 42,144. In Switzerland September 29, 1934
10 Claims. (Cl. 260—72)

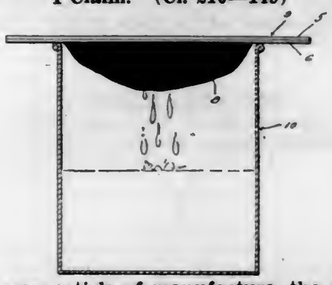
1. The dyestuffs of the general formula



in which one y stands for an OH-group and the other y for a hydrogen atom, one x stands for a

SO_3H-group and the other x for a —N=N—R-group wherein R means an aromatic radical selected from the group consisting of radicals of the benzene and naphthalene series and in which the —N=N—R-group stands in o-position to the OH-group, which products are more or less dark powders, dissolving in water to red, to violet, to blue and green solutions, and dyeing the fiber similar tints.

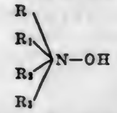
2,070,998
PAINT STRAINER
Blaine W. Odom, Los Angeles, Calif.
Application June 1, 1936, Serial No. 82,966
1 Claim. (Cl. 210—149)



As a new article of manufacture, the strainer described for use on and in a paint can, comprising essentially two annular flat pieces of cardboard superimposed one above the other and having coincident inner edges forming an opening, a piece of gauze pendent in dish form from the inner edge of the lower piece of cardboard and having its edge gathered and interposed between the inner edge portions of the two pieces of cardboard, and glue interposed between the pieces of cardboard and securing the same together and also securing the gathered edge of the piece of gauze between the two.

2,070,999
CELLULOSE SOLUTION
Donald H. Powers, Moorestown, N. J., and Louis H. Bock, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 8, 1934, Serial No. 710,314
8 Claims. (Cl. 260—100)

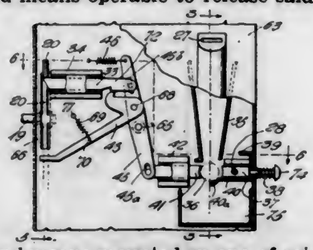
1. The process of preparing cellulose solutions which comprises treating a cellulosic body with an aqueous solution of a quaternary ammonium hydroxide of the general formula



in which R, R_1 and R_2 represent alkyl hydrocarbon groups and R_3 represents an aralkyl radical or an alkyl hydrocarbon group containing at least three carbon atoms.

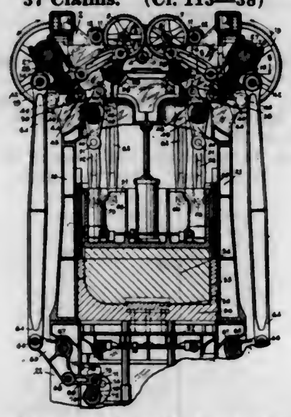
2,071,000
COIN CONTROLLED AUTOMATIC SANITARY INSERT BASIN
George V. Riley, Washington, D. C.
Original application April 18, 1935, Serial No. 17,096. Divided and this application October 31, 1935, Serial No. 47,676
7 Claims. (Cl. 194—55)

7. In a coin controlled mechanism, in combination with a manually operable lever, means normally locking the lever against movement, coin controlled means operable to release said locking



means, and means mounted on one of said means and engageable with the other of said means for holding said locking means in released position.

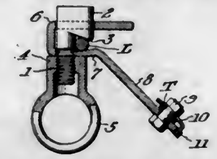
2,071,001
SHEET METAL PRESS
Frederich J. Rode, Meredith R. Hatch and Arthur H. Schloz, Toledo, Ohio
Application June 25, 1935, Serial No. 28,324
37 Claims. (Cl. 113—38)



1. In a sheet metal press, a connector, a machine drive shaft connected eccentrically to the connector, an oscillatable element pivotally connected to the connector for reciprocating the connector during a part of the rotation of the shaft and laterally moving the connector during another part of the rotation of the shaft, a pair of sheet metal engaging plungers, a pair of toggle means connected to the plungers, a link for connecting the connector at one point to one toggle means for reciprocating its associated plunger and producing a plunger dwell during a part of the reciprocatory movement of the connector, and a link connected to the other toggle means and to the connector at a point on the said connector that is reciprocated during a part of the reciprocatory movement of the connector and moved laterally during the said lateral movement of the connector for producing substantial dwells in the said other plunger.

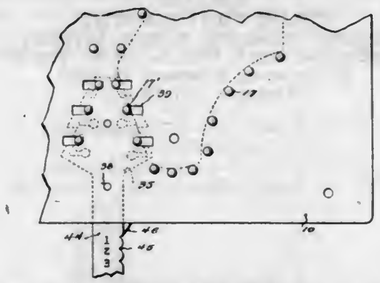
2,071,002
ELECTRICAL CONNECTER
Harold H. Rudd, Greensburg, Pa., assignor to Railway & Industrial Engineering Co., Greensburg, Pa., a corporation of Pennsylvania
Application March 21, 1934, Serial No. 716,701
12 Claims. (Cl. 173—273)

1. A live line clamp comprising a clamp strip having a U-shaped clamping section with approximately parallel legs and a connecting section extending from the inner leg of the clamping section and flaring away from the outer leg to form a guide, means on the connecting section for establishing an electrical connection to a tap wire, and means for clamping against the inner leg of the clamping section a conductor on which the clamp is placed; said clamping means comprising a bolt having a shank extending



through the inner leg of the clamping section and a head section extending through the outer leg thereof, said head section having a non-circular portion engaged in a correspondingly shaped opening in the outer leg to prevent rotation of the bolt with respect to the clamp strip, and a nut threaded on said bolt to draw the head of the bolt towards said inner leg of the clamping section.

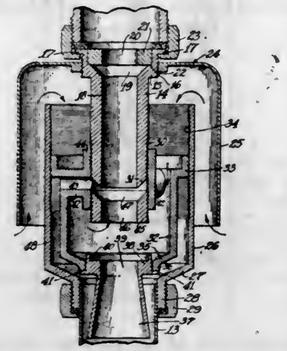
2,071,003
MARKING DEVICE
Harvey A. Scholz, Milwaukee, Wis.
Application February 27, 1935, Serial No. 8,491
5 Claims. (Cl. 101—28)



1. In a shoe upper marking device, a gauge including a bed plate having a plurality of spaced slots therein, a form plate slidably supported beneath the bed plate and movable toward and away from the latter, said form plate having a series of slots alined with the first named slots, a vertically positioned pin slidably mounted in each of the slots formed in the form plate and projecting through and terminating a predetermined distance above the bed plate, and means carried by the form plate for engaging and moving said pins along the slots formed in said plates, whereby to obtain various adjustments of the pins with respect to said plates.

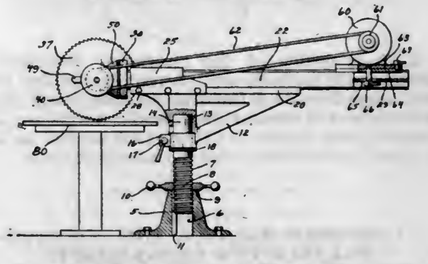
2,071,004
VACUUM BREAKER FOR FLUSH VALVE DEVICES
William C. Shanley, Chicago, Ill.
Application March 23, 1936, Serial No. 70,277
12 Claims. (Cl. 137—111)

11. In a vacuum breaker of the class described, the combination of a main central conduit for the downward discharge of a column of water, concentric inner and outer shells surrounding the conduit, the inner shell furnishing an inner chamber opening at its upper end to the atmosphere and opening at a lower point to the interior of the central conduit, the inner and outer shells being connected to afford an annular equalizing chamber between the shells closed against the atmosphere at its upper end, and a



duct leading from the equalizing chamber into the interior of the main conduit and adapted to divert water arising from the equalizing chamber back into the column of water within the main conduit.

2,071,005
WOODWORKING MACHINE
Arthur R. Swickard, Sheridan, Wyo., assignor to W. F. Harnly, Sheridan, Wyo.
Application January 22, 1935, Serial No. 2,941
4 Claims. (Cl. 144—3)

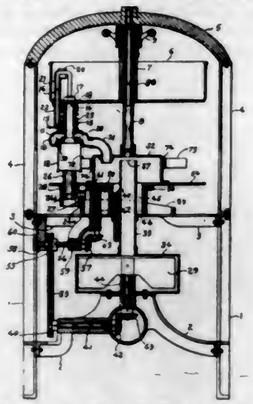


1. In a wood working machine, a support, a frame mounted on the support, a slide member reciprocally guided on the frame, a tool head rotatably adjustable on one end of the slide member, a tool carrying shaft rotatable and axially adjustable in the tool head, a motor adjustably mounted on the other end of the slide member for compound adjustment relative to the slide member, and drive coupling means between the motor and said shaft embodying an endless belt.

2,071,006
FILLING MACHINE AND PROCESS OF FILLING CONTAINERS
William E. Urschel, Valparaiso, Ind.
Application March 20, 1931, Serial No. 524,035
24 Claims. (Cl. 226—119)

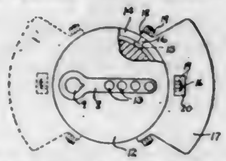
1. A can filling apparatus including a filling duct, a head movable relatively thereto and having walls spaced from said duct to form an outlet port for excess liquid, and means for withdrawing air and liquid by said outlet port, the head being adapted to project into a container, the lower extremity of the projecting portion of said head and the lower extremity of said duct

being in substantially the same horizontal plane when in filling position whereby any liquid there-



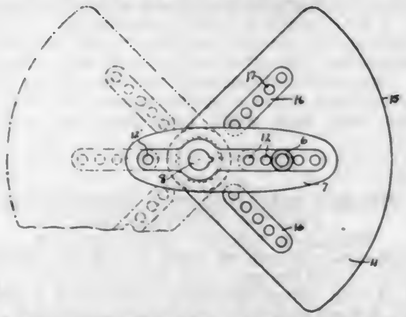
in above the level of such lower extremities will be removed.

2,071,007
COUNTERBALANCE FOR CRANKSHAFTS
Walter C. Trout, Lufkin, Tex.
Application January 17, 1927, Serial No. 161,569
8 Claims. (Cl. 74—591)



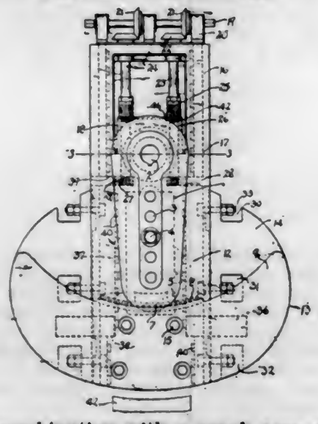
2. In a device of the character described a crank shaft, a crank arm thereon, a circular support eccentrically formed about said crank shaft and supported by said shaft, and a weight on said support, and means to attach said weight so that it is adjustable about the periphery thereof.

2,071,008
COMBINED BALANCE AND COUNTERBALANCE FOR CRANKSHAFTS
Walter C. Trout, Lufkin, Tex.
Application February 5, 1927, Serial No. 166,109
16 Claims. (Cl. 74—591)



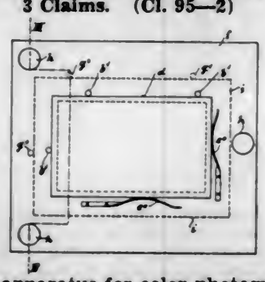
14. In combination with a well pumping unit, a crankshaft, a crank arm thereon, a pendulous weight adapted for connection with said crankshaft, and means whereby said weight may be connected in either a leading or a trailing position with respect to said arm.

2,071,009
MECHANICALLY OPERATED COUNTERBALANCE
Walter Charles Trout, Lufkin, Tex.
Application May 31, 1929, Serial No. 367,244
6 Claims. (Cl. 74—591)



1. In combination with a crank arm, an auxiliary arm adjacent thereto, weights on said auxiliary arm, and means on one of said weights engaging said crank arm to prevent rotative movement of one relative to the other.

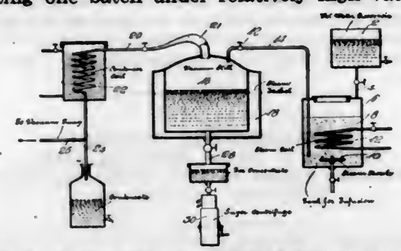
2,071,010
COLOR PHOTOGRAPHY
Heinrich Weberling, Munich, Germany
Application May 5, 1934, Serial No. 724,162
In Germany February 13, 1933
3 Claims. (Cl. 95—2)



1. In an apparatus for color photography consisting of a dark slide comprising, a base member, guiding elements thereon for engaging the edges of photographic elements occupying positions parallel to each other, and springs anchored to the base having their free ends engaging the aforesaid photographic elements for automatically holding them in position against the guiding elements, said springs each having longitudinally extending slots at their free ends dividing each spring into two independently operable holding instrumentalities, each of which engages one of the aforesaid photographic elements.

2,071,011
PROCESS FOR MAKING A CONCENTRATED EXTRACT OF COFFEE
Gerald L. Wendt, New York, N. Y., assignor to Coffee Products Corporation, New York, N. Y., a corporation of New York
Application September 1, 1933, Serial No. 687,887
17 Claims. (Cl. 99—71)

1. The process of making a concentrated coffee extract, comprising the steps of making a water infusion from ground, roasted coffee, dividing the infusion into two batches, evaporating one batch under relatively high vacuum



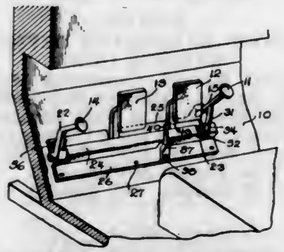
and at a temperature not substantially exceeding 125° F. to give a highly concentrated product, and mixing this concentrated product with the other batch of the original infusion.

2,071,012
NOISELESS DEVICE
Herbert Luther Adams, Washington, D. C.
Application November 22, 1932, Serial No. 644,556
6 Claims. (Cl. 244—1)



1. In a flying machine, an air contacting part, noise reducing means secured to said part, said noise reducing means comprising flapping members in connection with said part, and means to extend and withdraw said flapping members.

2,071,013
CARBURETOR CONTROL FOR AUTOMOBILES
George Ajdukovich, St. Louis, Mo.
Application July 16, 1936, Serial No. 91,004
9 Claims. (Cl. 192—3)



1. An attachment for the speed control of motor vehicles, having a main accelerator pedal and a brake pedal, comprising, in combination, an auxiliary accelerator pedal, an axially and rotatably movable rod connecting the auxiliary pedal with the main pedal, and means operative between said rod and the brake pedal for interrupting this connection when said brake pedal is actuated.

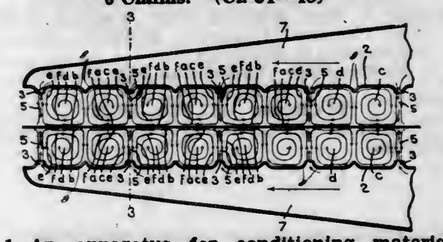
2,071,014
GAME
Milton K. Akers, Troy, Ohio, assignor to John T. Patterson, Dayton, Ohio
Application December 16, 1933, Serial No. 702,747
3 Claims. (Cl. 273—131)

2. A set of game pieces for use in evolving words by their collocation comprising a plurality of game pieces having series identifying characters of a plurality of series, with each series collectively marked to provide the letters of the alphabet, a number of other game pieces in duplication respectively of only certain special letters of the alphabet and having series identifying characters, other game pieces in certain of



said series each having the series identifying character of its series but free from alphabet indicia, other game pieces each having a plurality of series identifying characters of certain of said series but free from alphabet indicia, and an additional piece having the series of identifying character of every one of the series but free from alphabet indicia.

2,071,015
METHOD OF AND APPARATUS FOR DRYING MATERIAL IN SHEET OR WEB FORM
Bernard R. Andrews, Braintree, Mass.
Application December 12, 1934, Serial No. 757,188
6 Claims. (Cl. 34—48)

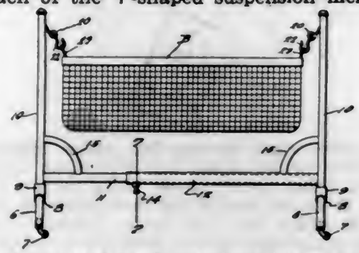


1. An apparatus for conditioning material which has a substantially flat face, said apparatus comprising a wall extending substantially parallel to said face and having openings spaced from each other, means to deliver a stream of gaseous conditioning medium under pressure through each opening toward said flat face, each opening having a shape to give the stream of gaseous conditioning medium issuing therefrom a sheet-like form and to direct said stream toward the flat face at substantially right angles thereto, said openings being parallel and being spaced from the flat face a distance which is approximately one-half that between adjacent openings, whereby there is set up in each space bounded by said wall, the flat face of the material to be dried and any two adjacent sheet-like streams two oppositely-rotating whirling currents, each of which has a portion that contacts with and moves in the same direction as one of the sheet-like streams, said whirling currents serving to assist in maintaining the velocity of the said streams between the openings and the said flat face.

2,071,016
CRIB
William Marion Archer, Barbourville, Ky.
Application May 28, 1935, Serial No. 23,938
1 Claim. (Cl. 5—104)

A crib construction comprising a pair of upright members, a basket provided with an upstanding eye at each end thereof, said uprights being of hollow construction and provided with T-shaped slots in the opposed side portions thereof, a T-shaped suspension member for each of

the uprights, each of the said T-shaped members having its head portion offset laterally and being in engagement with the slot of the corresponding upright, said T-shaped members being provided with eye members at the lower end thereof on a constant vertical plane, a hook member for each of the T-shaped suspension members,



each of the said hook members being provided with an eye disposed at right angles to the hook part of the member, the eyes of these said hooks being disposed through the eyes of the said suspension members, the hook ends of the said hook members being disposed through the eyes of the said basket.

2,071,017

ARYL PHOSPHORIC ACID HALIDES

Shailer L. Bass, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 13, 1936, Serial No. 90,379
11 Claims. (Cl. 260—99.20)

1. An aryl phosphoric acid halide having the formula

$$\left(R-\langle__\rangle-O-\right)_n P(-X)_{n'} \quad (O)$$

wherein R represents a tertiary alkyl radical, X is a halogen selected from the class consisting of chlorine and bromine, and n and n' are integers having the sum of 3.

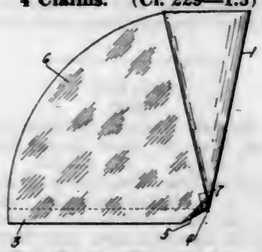
9. The method of making a para-tertiaryalkylphenyl phosphoric acid halide which comprises reacting a phosphorus oxyhalide selected from the class consisting of phosphorus oxychloride and phosphorus oxybromide with not more than twice its molecular equivalent of a compound selected from the class consisting of a para-tertiaryalkylphenols and their alkali metal salts.

2,071,018

SPECIAL CONTAINER AND PROCESS FOR MAKING SAME

Logan A. Becker, Lakewood, and Andrew A. Spisak, Cleveland, Ohio, assignors to The Dobeckmun Company, Cleveland, Ohio, a corporation of Ohio

Application December 3, 1934, Serial No. 755,708
4 Claims. (Cl. 229—1.5)



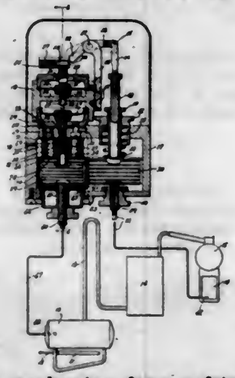
1. A readily destructible container for oil or the like, comprising a body tapering at one end and having a closure at the other end, said body consisting of convolutions of a comparatively heavy paper stock, an inner lining repellent to oil, and a pocket constituting a seal at the apex formed from an integral extension of the lining folded upon itself and enclosed in the convolutions.

2,071,019

REFRIGERATOR CONTROL

Fredrick E. Beebe, Willowick, Ohio

Application August 14, 1934, Serial No. 739,741
13 Claims. (Cl. 236—99)



1. Control mechanism for a refrigerating system of the intermittent absorption type having a refrigerant boiler, a fuel burner therefor and a frost chamber, comprising a valve controlling the flow of fuel to said burner, a bellows responsive to a condition in said frost chamber for opening said valve, a bellows movable in response to a condition in said boiler for closing said valve, and means responsive to an increasing temperature condition outside said system for increasing the movement required of said second named bellows to close said valve.

2,071,020

PNEUMATIC RECOCKING DEVICE FOR MACHINE GUNS

Lucien Albert Boussel, Courbevoie, France, assignor to Societe Anonyme des Anciens Etablissements Hotchkiss & Cie., Levallois-Perret, Seine, France, a joint stock company of France

Application May 10, 1935, Serial No. 20,841
In France April 5, 1932
19 Claims. (Cl. 89—27)



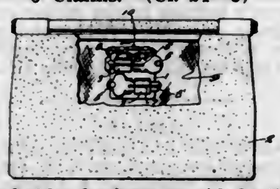
1. Pneumatic device for recocking a machine gun, comprising a frame, a cylinder adapted to slide in said frame, a fixed hollow piston in said cylinder, adapted to contain an operative charge of compressed fluid, an operating valve in said hollow piston opening into said cylinder and adapted when closed to prevent said charge from passing into the cylinder, means for feeding said hollow piston with compressed fluid, means for controlling said operating valve, means for returning said cylinder towards said hollow piston after a recoil stroke, means for connecting said frame to said gun so that said cylinder through its recoil stroke drives the machine gun recocking bolt to recock same, and means for securing the machine gun with the recocking device to a supporting structure.

2,071,021

KEY HOLDER

Matthew C. Brandt, Washington, D. C.

Application March 9, 1936, Serial No. 67,994
6 Claims. (Cl. 24—3)



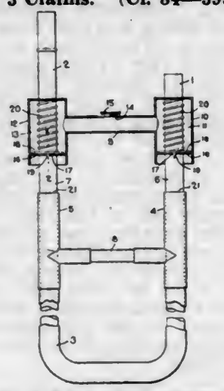
1. A key holder for keys provided with a longitudinal groove therein, said holder comprising a plate, key retaining clips on said plate and in closely spaced relation with the plate to secure the key upon the plate, and means on said clips engageable in the grooves of the keys for securing said keys against lateral movement on the plate in a direction transversely with respect to the groove.

2,071,022

TROMBONE

Joseph F. Burke, Somerville, Mass.

Application May 1, 1936, Serial No. 77,292
3 Claims. (Cl. 84—395)



1. A trombone having inner tube portions communicating with the bell and mouthpiece respectively, a shoe portion having tubular legs telescoping over the inner tubes, an oil reservoir associated with each inner tube, and means actuated by the shoe for delivering oil from the reservoir onto the corresponding inner tube.

2,071,023

WEIGHTING MECHANISM EMPLOYED IN THE ROLLER SYSTEMS OF RING SPINNING, DRAWING, OR SPEED FRAMES AND LIKE TEXTILE MACHINES

James Calvert, Accrington, England, assignor to Howard and Bullough Limited, Lancashire, England

Application September 4, 1935, Serial No. 39,160
In Great Britain February 22, 1935
2 Claims. (Cl. 19—135)

1. A weighting mechanism for roller systems of ring spinning, drawing or speed frames and other textile machines employing the same, comprising a saddle bearing on the rollers of the mechanism, a member pivotally suspended from the saddle and having a hook portion at its lower end, a pivotally mounted lever movable in a path parallel to the hook portion of said member and having a slotted portion adapted to receive said hook portion, means in said slotted portion of the lever adapted to engage said hook portion, and a weight bearing on the lever for pulling the hook member and saddle downwardly.



2,071,024

CELLULOSIC STRUCTURES AND METHOD OF PREPARING SAME

Percy Morgan Clark, New Brunswick, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 16, 1935, Serial No. 6,879
7 Claims. (Cl. 106—40)

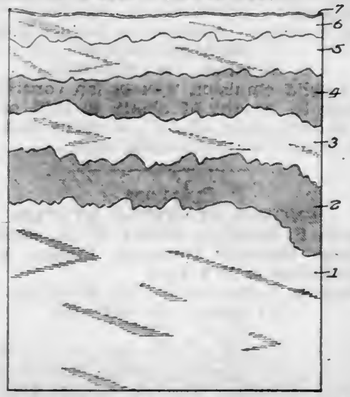
1. A hollow gel cellulosic pellicle adapted to shrink by loss of contained water, having incorporated therein a white, insoluble metal titanate and being dyed with a direct dyestuff, said titanate remaining substantially unaffected in the presence of bleaching solution and upon exposure to light, and being present in a quantity sufficient to substantially prevent said dyestuff from fading when subjected to the action of an aqueous solution of glycerin.

2,071,025

IDENTIFIABLE CARTON BOARD

Charles C. Colbert and Lloyd C. Daly, Elkhart, Ind., assignors to American Coating Mills, Elkhart, Ind., a corporation of Indiana

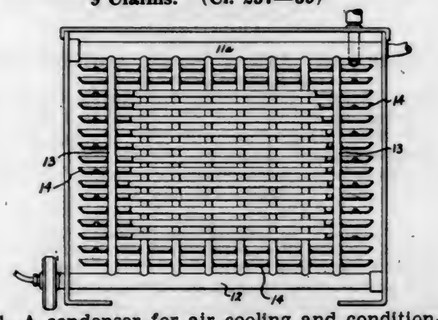
Application March 10, 1934, Serial No. 714,912
1 Claim. (Cl. 92—39)



As a new article of manufacture, the product comprising multi-ply paper board having its layers bonded by inter-felted fibers and having between its front and back layers a plurality of artificially and differently colored layers, the front layer of the board being of relatively fine white or light colored stock and coated on its front side with white or light colored clay coating material providing an opaque surface adapted to be printed upon, said front coated layer being

separated from the nearest artificially colored layer by an interposed layer of natural stock color, and adjacent artificially colored layers being separated from each other by an interposed layer of natural stock color, the colors of said artificially colored layers sharply contrasting with the colors of all the other layers.

2,071,026
CONDENSER FOR AIR CONDITIONING SYSTEMS
Powel Crosley, Jr., Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application March 12, 1934, Serial No. 715,077
9 Claims. (Cl. 257—39)

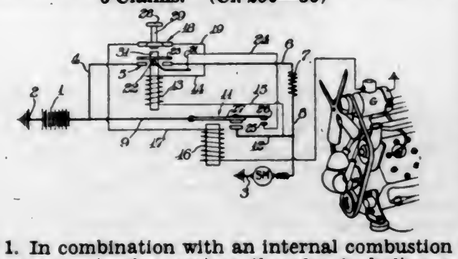


1. A condenser for air cooling and conditioning devices comprising members providing passageways for compressed refrigerant and a plurality of cooling vanes on said members and interspaced throughout their length, said cooling vanes having the shape of shallow pans adapted to hold a fluid, the evaporation of which assists in cooling the said condenser.

2,071,027
WAX POLISH
Edward Newton Dacus and Benjamin Gallsworthy, Glenham, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 3, 1934, Serial No. 738,296
3 Claims. (Cl. 134—24)

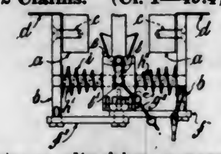
1. A solid emulsion wax polish consisting essentially by weight of about 10–15% carnauba wax, 30–50% water, 60–35% kerosene, and a small proportion of an emulsifying agent.

2,071,028
ENGINE STARTING SYSTEM
Kenneth F. Douglas, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application November 7, 1934, Serial No. 751,846
6 Claims. (Cl. 290—36)



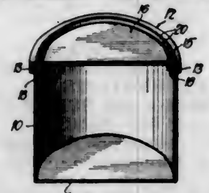
1. In combination with an internal combustion engine, a starting system therefor including a battery, a motor, means including a manually operable switch for initially energizing the motor by a part of the battery voltage, manually controlled means for applying full battery voltage to the motor, means responsive to the application of full battery voltage to the motor for opening said manually operable switch, and means responsive to self-operation of the engine for de-energizing said manually controlled means.

2,071,029
BELT-FASTENER CLINCHING APPARATUS
Charles Edward Draycott, Salford, England, assignor to W. T. Nicholson & Clipper Co. Ltd., Salford, England
Application April 5, 1935, Serial No. 14,811
In Great Britain July 7, 1934
2 Claims. (Cl. 1—49.4)



1. Belt-fastener clinching apparatus comprising a pair of presser bars disposed edge on, a pair of separate presser-bar carrier plates, a belt-fastener holding block lying centrally between the said carrier plates, and said block having an elongated recess in its lower part, a slotted plate fixed to the lower face of the block, a pair of slide blocks slidably movable within the block recess, pairs of links below the belt-fastener holding block and each link pivotally connected at one end to one of the presser-bar carrier plates, whilst at its other end it is connected by a pivot pin to its companion link, such common pivot pin of the two links of each pair extending upwardly through one of the slots of the said slotted plate and engaging one of the said slide blocks, springs and spring-guiding means between the presser-bar carrier plates and the belt-fastener holding block whereby the said carrier plates are normally held separated, and pins within the said recess of the belt-fastener holding block for limiting the degree of said separation, as herein set forth.

2,071,030
METAL CONTAINER
Joseph W. Fay, Villa Park, Ill., assignor of one-half to Ersyl F. Chambless, Chicago, Ill.
Application July 16, 1934, Serial No. 735,305
3 Claims. (Cl. 220—48)



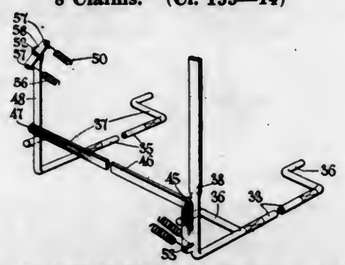
1. As an article of manufacture, a metal container having a relatively deep groove provided with a bottom upon which an opener is adapted to work, the metal of the bottom of said groove being reduced in thickness along a line intermediate the sides of said groove and being gradually thickened from the line of reduced thickness to the full thickness at the opposite sides of the bottom of the groove, and the sides of said groove being disposed at generally right angles to the adjacent wall of the container to remove the stresses imposed upon the wall of the container from the line of reduced thickness along the bottom of the groove and to reenforce said line of reduced thickness against internal pressure.

2,071,031
EMBOSSED PRINTED SHEET AND METHOD OF MAKING THE SAME
Charles H. Franz, Jr., Wauwatosa, Wis., assignor to The Heinn Co., Milwaukee, Wis.
Application March 2, 1936, Serial No. 66,686
3 Claims. (Cl. 101—32)



3. An article of manufacture comprising a sheet of thin pliable material having a plurality of embossed surfaces adjacent one another, and having an embossed printed surface disposed between the plane of the top embossed surface and the surface of the sheet.

2,071,032
SEAT LIFTING MECHANISM
Albert A. Grinnell, Medina, N. Y., assignor to Whedon, Inc., Medina, N. Y.
Application February 5, 1934, Serial No. 709,861
8 Claims. (Cl. 155—14)



1. In an adjustable seat structure, a seating member, forward rocker arms pivotally connected to forward portions of the seating member, rear rocker arms pivotally connected to rear portions of the seating member, bearings mounted upon the rigid support and supporting said rocker arms for rocking movement about horizontal axes, a lever rigid with one front rocker arm and extending at at angle to the latter, a second lever rigid with one rear rocker arm and extending at an angle to the latter, means connecting said levers for transmitting rocking force to the rocker arms to which the levers are connected, resilient means having one extremity connected to an outer end portion of one rigid lever and having its opposite extremity connected to the other lever adjacent the connection to its rocker arm for exerting rocking force tending to rock the rocker arms.

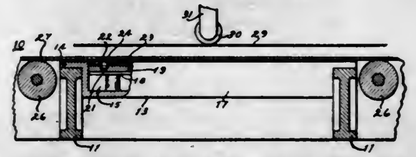
2,071,033
DEVICE TO PREVENT BUCKLING OF SHEET METAL DURING GRINDING OR POLISHING
Samuel Orr Hanna, Jamestown, N. Y.
Application August 15, 1936, Serial No. 96,231
6 Claims. (Cl. 51—240)

1. A structure for effecting a temperature change in a metal sheet, during application of an abrasive to the surface thereof, comprising a member having a metal sheet supporting top,



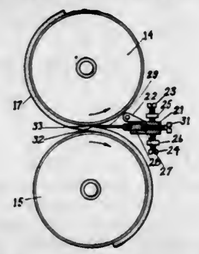
means normally supporting a metal sheet out of contact with said top, and further means for producing a desired temperature in said top.

2,071,034
DEVICE TO PREVENT BUCKLING OF SHEET METAL DURING GRINDING OR POLISHING
Samuel Orr Hanna, Jamestown, N. Y.
Application August 15, 1935, Serial No. 96,232
7 Claims. (Cl. 51—240)



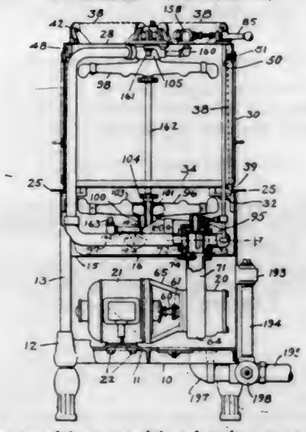
1. A structure for effecting a temperature change in a metal sheet during application of an abrasive to the surface thereof, comprising a body member, a cover on said member, means normally supporting a metal sheet out of contact with said cover, said body member and said cover together forming a compartment, and further means in said compartment for producing a desired temperature in said cover.

2,071,035
METHOD AND DEVICE FOR COATING TEXTILE MATERIAL
Henry Jenett, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application June 12, 1934, Serial No. 730,187
11 Claims. (Cl. 154—2)



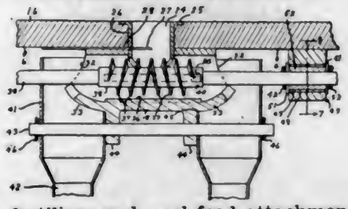
4. Method of forming composite materials, which comprises forming a plastic sheet by passing a thermoplastic material comprising an organic derivative of cellulose through the nips formed by a succession of rotating cylindrical surfaces and deflecting said sheet at each nip from one of the rotating surfaces to the next by causing the sheet on emerging from the nip to impinge on a stationary surface, drawing a sheet of flexible non-thermoplastic base material through the last nip of the series together with the plastic sheet, and at said last nip deflecting the plastic sheet on to the sheet of base material.

2,071,036
WASHING MACHINE
Herbert L. Johnston, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application August 30, 1930, Serial No. 478,978
14 Claims. (Cl. 141—9)



3. In a washing machine having means for reception of articles therein, a fluid distribution system comprising discharge means positioned for application of washing fluid to articles in the machine, fluid flow controlling means, and drain means in the system effective upon termination of fluid flow in the system for diverting fluid remaining in the system from the fluid discharge means and draining the same so as to promptly terminate objectionable flow from the discharge means toward the articles upon termination of flow in the system.

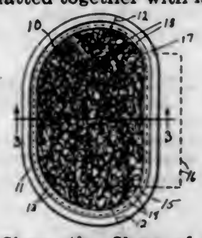
2,071,037
FERTILIZER AND SEED FEED ATTACHMENT FOR DRILLS
Harold Jesse Kemp, Swift Current, Saskatchewan, Canada
Application May 7, 1932, Serial No. 609,879
2 Claims. (Cl. 221—129)



2. A fertilizer and seed feed attachment for a drill including a fertilizer hopper; a trough, with open discharge ends that are each curved upwardly at the bottom and have a reduced lower portion of the opening continued downwardly a short distance in the bottom wall, associated with said hopper; and mechanism operable in said trough to automatically feed the fertilizer to a fertilizer receiving tube on said drill.

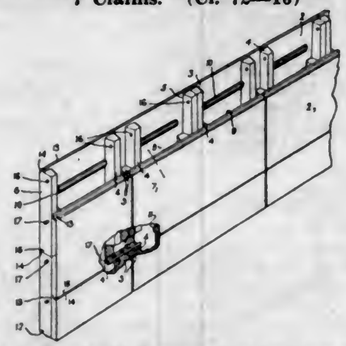
2,071,038
ARCH SUPPORTING DEVICE
John D. C. Krüger, Omaha, Nebr.
Application September 26, 1935, Serial No. 42,297
2 Claims. (Cl. 36—71)

1. In an arch support, an envelope of large, stiffly resilient fibers loosely matted together and with large air spaces between the fibers, and a pad in the envelope of large stiffly resilient fibers loosely matted together with large air spaces



between the fibers, the fibers of the pad being adapted to interlock with the fibers of the envelope to prevent slippage of the pad in the envelope.

2,071,039
HOLLOW WALL AND PLATES FOR ITS CONSTRUCTION
Johannes Cornelis Pieter Leemhuis, Johannesburg, Union of South Africa, assignor to Edward James Donaldson, Johannesburg, South Africa
Application April 22, 1936, Serial No. 75,826
In Union of South Africa January 29, 1936
7 Claims. (Cl. 72—16)

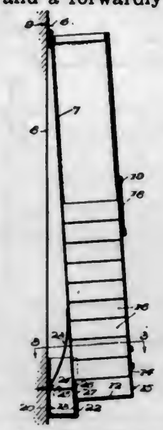


1. A hollow wall composed of two spaced faces, each constructed of plates, the plates of one face being horizontally staggered relatively to those of the other face, each plate being formed in its inner side with an integral vertical pillar section toward each horizontal end and intermediately with a pair of spaced vertical pillar sections embracing the adjacent end pillar sections of a pair of horizontally contiguous plates of the opposite face and thereby forming a pillar, the sections of which provide sets of alined holes extending horizontally lengthwise of the wall, and pins passed through such sets of holes.

2,071,040
ARTICLE DELIVERY CABINET
James D. Lloyd, Yakima, Wash.
Application May 1, 1935, Serial No. 19,271
1 Claim. (Cl. 312—64)

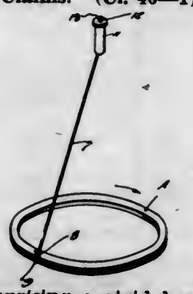
In an article delivery cabinet, a swinging casing provided in its front with an article delivery opening and in its back with an opening, said casing having a depending flange at its bottom, means for pivotally supporting the casing near its upper end so that the casing tends to move to a substantially vertical position, a fixed housing movably receiving the lower end of the casing and having an upstanding flange arranged in advance of the depending flange of the casing to limit the forward movement of the casing, and

a leaf spring having one end fixedly secured to the back of the casing and diverging downwardly from the casing and bent upon itself to provide a contacting end and a forwardly directed article



ejector element extending through the opening in the back of the casing for entering the casing, said contacting end slidably contacting with the fixed housing so that the leaf spring serves to force the casing forwardly.

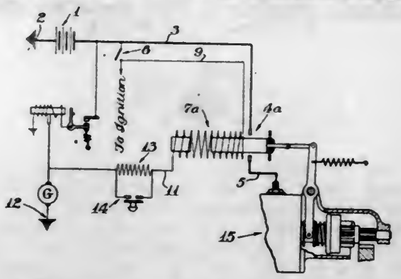
2,071,041
TOY
Anthony F. Maggio, Baton Rouge, La.
Application May 7, 1935, Serial No. 20,243
3 Claims. (Cl. 46—1)



1. A toy comprising a rigid hoop, said hoop formed with a circumferential groove in the outer periphery thereof, a suspending cord attached at one end to the hoop, and a handle swivelly connected to the free end of the cord.

2,071,042
AUTOMATIC STARTING MECHANISM
Paul H. Maurer, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application October 10, 1932, Serial No. 637,164
10 Claims. (Cl. 290—37)

9. In combination with an electrical starting system for internal combustion engines including a starting motor, disengageable gearing for connecting said starting motor to a member of the engine to be started, a source of current and a starting switch, means whereby closure of the starting switch causes engagement of said gearing, a control circuit for said starting switch including a magnetic actuating device for the switch and a resistance element in series with the actuating device sufficient to restrict the current in the control circuit to a holding value for the switch, means for bridging said resistance element to cause closure of the starting switch and engagement of said gearing, and an engine-driven generator connected to oppose energiza-

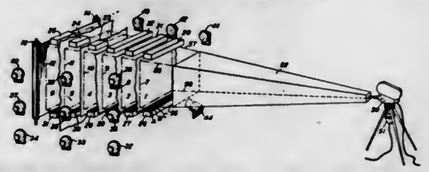


tion of said control circuit and cooperating with said resistance element to weaken the energization of the control circuit sufficiently to open the starting switch responsive to self-operation of the engine at a predetermined speed.

2,071,043
ORAL PREPARATION
Ferdinand W. Nitardy, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application September 8, 1934, Serial No. 743,182
2 Claims. (Cl. 167—93)

2. Sodium perborate stabilized by means of magnesium hydroxide.

2,071,044
METHOD AND APPARATUS FOR MOTION PICTURE VISUAL ACCOMPANIMENTS TO MUSICAL SCORES
Eugene F. Savage, Ossining, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated, a corporation of New York
Application March 3, 1934, Serial No. 713,811
23 Claims. (Cl. 88—16)



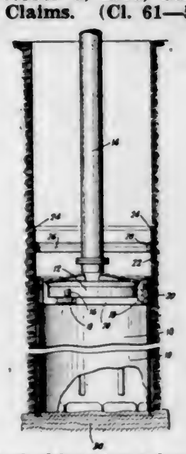
1. A method of preparing, organizing and recording interpretive music and moving pictures consisting in recording a musical composition which was composed only for expressing musical thought, in portraying a visionary interpretation of the various musical thoughts on a plurality of elongated movable transparent sheets for selective introduction of the various portrayals on each sheet in a restricted area, in moving said sheets longitudinally for successively introducing different portrayals thereon in the space of said restricted area for creating various predetermined combinations in timed relation with certain cadences of the musical score, and in photographically recording motion pictures of the original set-up of portrayals on the plurality of sheets presented in combination in said restricted area and each successive combination as the sheets are moved to present different portrayals.

2,071,045
OPHTHALMIC MOUNTING
Wayne S. Searles, Providence, R. I., assignor to Flexrite Sales Company, Providence, R. I., a corporation of Rhode Island
Application February 6, 1934, Serial No. 709,959
13 Claims. (Cl. 88—47)



5. In an ophthalmic mounting, a lens strap having a pair of arms extending along opposite sides of the lens and provided with openings registering with each other and with the opening in the lens, a pin extending through said openings, and a split resilient member completely housed in one of said arms, said member having a threaded opening therethrough and said pin having threads entering said opening, the size of the opening being smaller than said pin and whereby said pin expands said member upon extending into said opening.

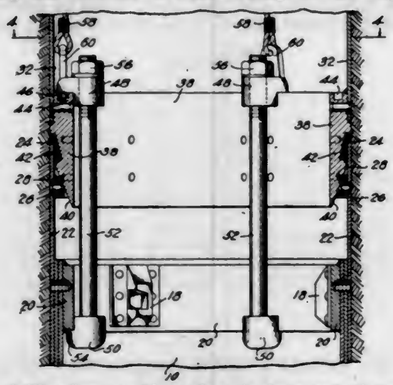
2,071,046
PREPARATION OF FOUNDATION COLUMNS
Edward A. Smith, Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey
Application October 5, 1933, Serial No. 692,255
5 Claims. (Cl. 61—57)



1. The method of forming a foundation column, which comprises sinking a drill barrel into the ground, lowering an annular casing into engagement with said barrel, removing the contents of said barrel and casing, and filling said barrel and casing with concrete to form the column.

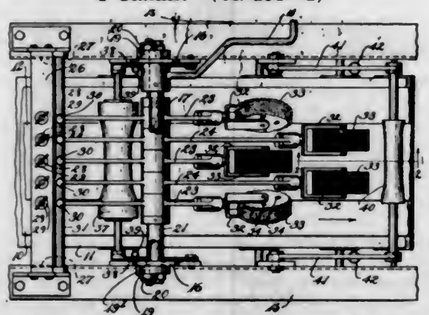
2,071,047
APPARATUS FOR FORMING CONCRETE FOUNDATION COLUMNS
Edward A. Smith, Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey
Original application October 5, 1933, Serial No. 692,255. Divided and this application August 16, 1934, Serial No. 740,041
11 Claims. (Cl. 61—57)

1. In apparatus of the class described, in combination, an annular drill, means for sinking said drill into the ground to form a hole in the ground, an annular casing, and means for automatically sealing the bottom of said casing to the top of



said drill when said casing is lowered through the hole into contact with said drill.

2,071,048
APPARATUS FOR TREATING PLIED SHEET MATERIAL
Frank S. Sternad, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 16, 1935, Serial No. 2,066
4 Claims. (Cl. 154—1)

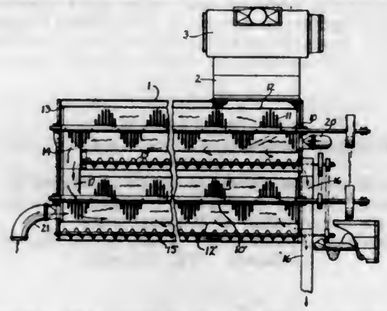


1. Apparatus for removing entrapped air from between the plies of laminated material, said apparatus comprising means for feeding the material past a piercing station, a group of independently mounted piercing rolls at the piercing station for forming a multiplicity of inclined perforations in a ply of the material as it passes the station, and means common to the rolls for concurrently lifting them from the work.

2,071,049
COTTON DRIER
John A. Streun, Sherman, Tex., assignor to Hardwicke-Etter Company, Grayson County, Tex., a corporation
Application April 20, 1936, Serial No. 75,289
6 Claims. (Cl. 19—91)

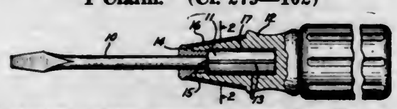
1. A drier for cotton including a housing, upper and lower chambers in said housing, cylindrical screen compartments with walls of foraminated material extending longitudinally of said chambers, a shaft rotatable axially of each screen compartment, spirally arranged agitator pins extending radially of said shaft, adapted when said shafts are rotated to fluff and agitate the cotton and move it through said screen compartments,

a passage from said upper compartment to said lower compartment at one end, means to deliver cotton to said upper chamber, means to receive and distribute the cotton from said lower com-



partment, and means to deliver a current of heated air into the stream of cotton passing through said chambers in the direction of movement of said cotton.

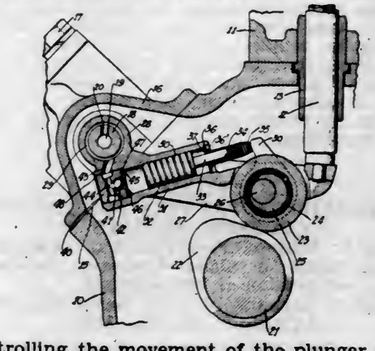
2,071,050
COMPOSITE METAL ARTICLE AND METHOD OF JOINING THE PARTS THEREOF
Carl M. Underwood, Newton Center, Mass., and Arden L. Van Nest, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 9, 1934, Serial No. 729,742
1 Claim. (Cl. 279—102)



A screw driver comprising a handle, a cylindrical shank of low carbon steel embedded in the handle and secured thereto with longitudinal fins on the periphery of the shank, a blade portion of high carbon steel having a smaller cross section than the cylindrical shank welded to the end of the shank in axial alignment therewith, a stepped collar of low carbon steel encircling the blade and welded to the end of the cylindrical shank and to the blade, said collar having a cylindrical portion of the same diameter as the shank to support the handle and having an enlarged ring at one end, and a conical metal ferrule engaging the end portion of the handle surrounding the welded joint and supported by the enlarged ring on the collar.

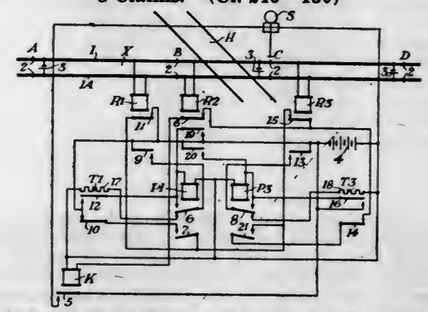
2,071,051
INTERNAL COMBUSTION ENGINE
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 30, 1934, Serial No. 718,141
2 Claims. (Cl. 123—90)

1. In an internal combustion engine, the combination with a pivotal support, of a rocker arm mounted thereon, a take-up bearing supported on said arm, and hydraulic means controlling the position of said take-up bearing, said latter means comprising a cylinder on the rocker arm, means supplying oil to the cylinder, a check valve means including a valve seat arranged radially of the axis of the bearing of the rocker arm on said pivotal support, a plunger in said cylinder and having a stem operating on said take-up bearing, said plunger and cylinder having a leakage groove between their contacting surfaces, and a spring supported laterally by said stem and



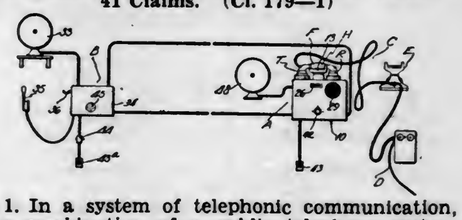
controlling the movement of the plunger in one direction.

2,071,052
CONTROLLING APPARATUS FOR HIGHWAY CROSSING SIGNALS
Harry C. Vantassel, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 10, 1935, Serial No. 15,634
8 Claims. (Cl. 246—130)



1. In combination, a stretch of railway track intersected by a highway, a signal for controlling traffic over said highway at such intersection, means effective to initiate the operation of said signal when railway traffic moving towards the intersection occupies certain zones, means effective to discontinue the operation of said signal a measured time interval after such initiation, and means effective to cause the operation of said signal when railway traffic moving in either direction occupies a particular zone adjacent the intersection.

2,071,053
INTER-OUTER TELEPHONE SYSTEM
Richard Varley, New York, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del., a corporation of Delaware
Application July 5, 1934, Serial No. 733,824
41 Claims. (Cl. 179—1)



1. In a system of telephonic communication, the combination of a public telephone system

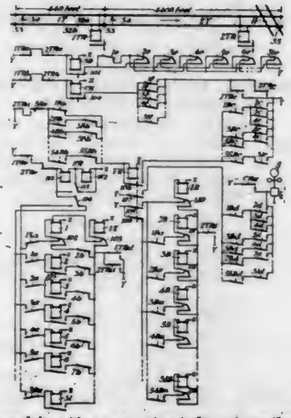
having a subscriber's receiving and transmitting instrument, and an electrically independent inter-office system including two operatively independent two-wire one-way telephone circuits acoustically coupled with said receiving and transmitting instrument for receiving and transmitting telephone messages from and to said public telephone system, one of the two-wire one-way telephone circuits including an electronic amplifier.

2,071,054

CONTROLLING APPARATUS FOR HIGHWAY CROSSING SIGNALS

Clinton L. Willson, Swissvale, Pa., assignor to Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 16, 1936, Serial No. 59,429
17 Claims. (Cl. 246—130)



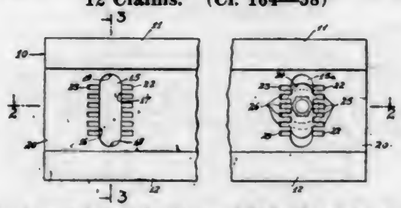
1. In combination, a stretch of railway track intersected by a highway, a highway crossing signal located at the intersection, a chain of counting relays, time controlled means set into operation by the entry of a train into said stretch and effective to operate a number of the relays of said chain depending on the average speed of the approaching train while in a predetermined portion of said stretch, a second chain of relays, means responsive to the entry of a train into an advanced portion of said stretch to cause relays of said second chain to be successively operated, and an operating circuit for said signal including a contact of the last operated relay of the first chain and a contact of a particular relay of said second chain selected by the last operated relay of the first chain.

2,071,055

MACHINE KNIFE ADJUSTMENT AND LOCKING DEVICE

Charles E. G. Aff, Jamaica, N. Y.

Application May 31, 1935, Serial No. 24,346
12 Claims. (Cl. 164—58)



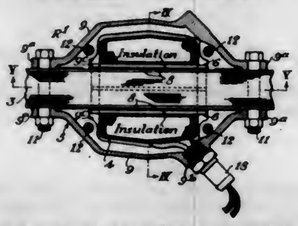
1. A machine knife or blade having a plurality of oblong holes formed therein, means defining a plurality of slot depressions in said knife communicating with each of said holes, and means for securing said knife to a machine, said last means including a nut member contained entirely within each of said holes and associated slot depressions and having projections engaging at least some of said slot depressions for retaining the nut members in definite fixed relation to said knife.

2,071,056

RAILWAY TRAFFIC CONTROLLING APPARATUS

Leslie R. Allison, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 10, 1935, Serial No. 53,744
4 Claims. (Cl. 246—63)



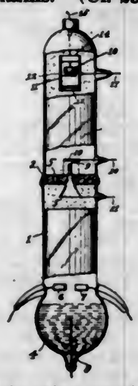
1. A train-carried receiver comprising a magnetizable core of high permeability low loss steel having a square cross section, said core being disposed in inductive relation to a track rail, a coil disposed on said core directly above the track rail, said coil having a square opening which is slightly larger in cross section than said core, insulating means disposed between said coil and said core and serving to secure said coil to said core in a fixed position, and a housing secured to said core and enclosing said coil, said housing comprising two non-magnetic metal side members bolted to opposite sides of said core, and top and bottom members of a non-magnetic non-metallic material bolted to said side members.

2,071,057

ELECTRONIC RELAY

Sydney N. Baruch, New York, N. Y., assignor, by mesne assignments, to Nortron Patents Corp., New York, N. Y., a corporation of New York

Application February 9, 1932, Serial No. 591,911
38 Claims. (Cl. 250—27.5)



4. An electronic relay consisting of two chambers, an insulating partition for defining said chambers, a mercury discharge device disposed at the lower end of one of said chambers, an electron emitting cathode fixed in said partition having a flaring interior surface directed towards said mercury discharge device, said interior surface terminating in an aperture disposed in the lower end of the second chamber, an anode at the upper end of said second chamber, and a protective screen grid totally enclosing said anode.

2,071,058

OPHTHALMIC MOUNTING "OXFORD"

Thomas Edward Bosworth, Cranston, R. I., assignor to Universal Optical Corporation, Providence, R. I., a corporation of Rhode Island

Application February 6, 1934, Serial No. 709,953
13 Claims. (Cl. 88—44)



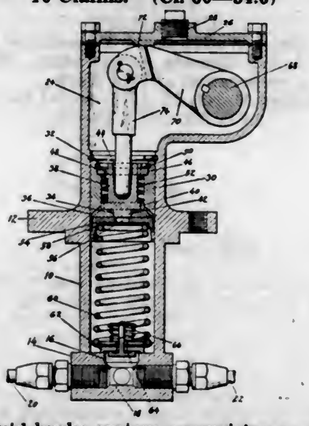
8. A folding eyeglass comprising a pair of lenses, a spring bridge connecting them and sufficiently resilient to permit folding, a catch on one lens, a handle on the other lens having an acute angular slot therein to receive said catch, and a U-shaped spring in one portion of said slot having a pair of arms, one of which engages said catch to hold it in said slot.

2,071,059

COMPENSATING MASTER CYLINDER

Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application May 17, 1933, Serial No. 671,488
10 Claims. (Cl. 60—54.6)



8. A fluid brake system comprising a compression cylinder having a discharge outlet, a piston in said compression cylinder, means for operating said piston, a return valve controlling said outlet and opposing return flow therethrough, and valve means incorporated in the piston for retaining pressure in said compression cylinder upon retraction of said piston.

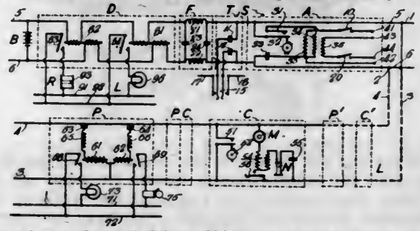
2,071,060

MULTIPLE SIGNALING SYSTEM

Frank R. Bridges, Needham, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts

Application October 31, 1932, Serial No. 640,429
2 Claims. (Cl. 179—5)

1. A signaling system comprising an outer circuit of two metallic lines, a central station with a direct current source normally connected to said outer circuit and a single direct current code signal receiver in series with said source, a plurality of code wheel signal senders connected at different outer stations in parallel to said outer circuit for despatching different signals to said central station by opening and closing said circuit for said source and said receiver, means in said central station for substantially shielding said direct current source and said direct current receiver against alternating currents, a code wheel operated signal transmitter likewise in said central station permanently connected for despatching different alternating current code signal impulses into said outer circuit for calling said outer stations, means substantially excluding direct current at said station intermediate said transmitter and said outer circuit, an alternating current code signal receiver in each outer station in parallel with each code signal sender, and direct current excluding means intermediate said outer circuit and said alternating current receivers, whereby predetermined code signals can be despatched from various points of said outer circuit to said station, and simultaneously from said station to said points of the outer circuit.

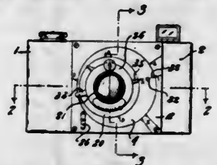


2,071,061

ADJUSTABLE LENS MOUNT FOR CAMERAS

George L. Coursen, East Orange, N. J.

Application November 23, 1935, Serial No. 51,236
10 Claims. (Cl. 95—50)



1. An adjustable lens for cameras, comprising a transverse support at the camera front having an opening therethrough, an annular seating way around said opening disposed in an inclined flat transverse plane angular to the plane of said support, a lens carrier having an annular flange rotatively supported on said seating way, said carrier having means to support a lens in a transverse plane angular to the plane of movement of said carrier on said seating way, and said carrier having a radially projecting handle lever for manipulating the same.

2,071,062

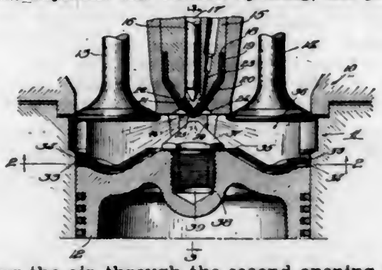
OIL ENGINE

Clessie L. Cummins, Columbus, Ind., assignor to Oil Engine Development Company, Columbus, Ind., a corporation of Indiana

Application September 21, 1933, Serial No. 690,415
17 Claims. (Cl. 123—32)

1. In an oil burning engine, the combination of a cylinder and a piston operable therein, a

combustion chamber communicating with the cylinder space on the compression side of the piston through an opening remote from the cylinder wall and through a second opening adjacent the cylinder wall, and a fuel injector for spraying a charge of fuel into the chamber and located adjacent the remote opening, the piston



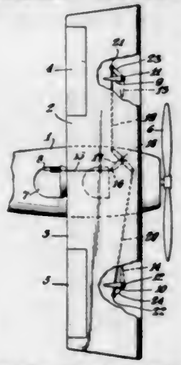
driving the air through the second opening during the full compression stroke to form an air stream that substantially shields the walls of the chamber contacted thereby from the fuel spray and also through the remote opening towards the injector whereby the fuel is substantially prevented from striking the walls of the chamber.

2,071,063

COMBINED THROTTLE AND BRAKE CONTROL FOR AIRPLANES

Luis de Florez, Pomfret, Conn., and Emmon Bach, New York, N. Y.; said Bach assignor to said De Florez

Application November 22, 1933, Serial No. 699,124
9 Claims. (Cl. 192—3)



1. In combination in an engine propelled aircraft having control surfaces operable together to act as air braking devices while said aircraft is in flight, means for controlling the operation of the throttle of said engine and the operation of said braking devices, a single hand operated member for controlling said throttling means and braking devices, and means for insuring against operation of said throttling means while operating said braking devices and vice versa.

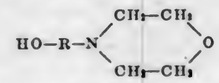
2,071,064

STABILIZATION OF MOTOR FUELS

Frederick Baxter Downing, Carneys Point, N. J., and Richard Gesse Clarkson, Wilmington, Del., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 21, 1933, Serial No. 690,418
17 Claims. (Cl. 44—9)

1. Motor fuel comprising cracked hydrocarbon spirits normally tending to form gummy substances on storage having incorporated therein, in an amount sufficient to inhibit the formation of the gummy substances, a compound of the type:



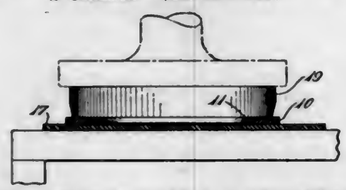
wherein R represents an aryl nucleus.

2,071,065

METHOD OF MAKING SOLES

William D. Everett, Watertown, and Irving F. Starner and Frederick F. Olson, Belmont, Mass., assignors to Hood Rubber Company, Inc., Watertown, Mass, a corporation of Delaware

Application April 29, 1936, Serial No. 76,902
2 Claims. (Cl. 12—146)



1. The method of making a sole which comprises forming a strip of unvulcanized rubber to provide a rand strip, guiding the strip to adhering contact with a flat sheet of soling material along a path corresponding to the margin of the desired sole, and cutting a sole from the sheet while simultaneously trimming the rand strip coincident with an edge face of the sole.

2,071,066

GUN SIGHT

John P. Gaty, Woodside, N. Y., assignor to Fairchild Aerial Camera Corporation, Woodside, N. Y., a corporation of New York

Application March 27, 1936, Serial No. 71,129
6 Claims. (Cl. 33—53)



1. In apparatus for sighting a gun adapted to be fired at a target from a moving base and being angularly movable on said base, sighting means for automatically indicating the direction of the effective component of bullet drift irrespective of the angular disposition of said gun relative to the direction of motion of said moving base, said sight means comprising a sighting member mounted for rotation only about a single axis parallel to the barrel of said gun, a vane on said member responsive to the air stream induced by movement of said base for positioning said member, and a plurality of reference points for use in determining the magnitude of the correction to be made along said sighting member so as to compensate for the changes in the forces determining the actual bullet path.

2,071,067

PLUG CONNECTER

Nickolas Gizzarelli, Warren, R. I.

Application May 20, 1936, Serial No. 80,758
4 Claims. (Cl. 200—115.5)

1. A plug connecter having a pair of spaced conducting circuit members, blades for insertion into a socket to place the plug in use, one of said blades connected in circuit with said spaced members and one of said spaced members having a threaded aperture, the axis of which intersects the other of such members, and a fuse screw in



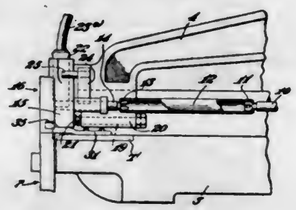
said aperture whose head is accessible when the plug is out of its socket but which is concealed when the plug is in the socket and whose tip is normally in contact with said other member.

2,071,068

SHOE MACHINE

Frederick S. Glines, Lynn, Mass., assignor to The Peerless Machinery Company, Boston, Mass., a corporation of Massachusetts

Application October 3, 1935, Serial No. 43,348
7 Claims. (Cl. 12—51)



1. In a machine for compressing and thinning the marginal material of a shoe upper, in combination, a pair of complemental presser rolls, a combined work guide and guard device, said device having an inclined face operative by engagement with the surface of the work to direct the latter toward the bite of the rolls, and a guard element operative by engagement with the edge of the work to limit movement of such edge laterally relatively to the faces of the rolls, said guard element being disposed substantially in the plane of the end faces of the rolls.

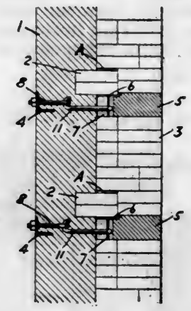
2,071,069

FURNACE CONSTRUCTION

Herbert Heitman, Rego Park, Long Island, N. Y.

Application April 5, 1934, Serial No. 719,117
5 Claims. (Cl. 72—101)

3. A furnace construction comprising, an outer wall of brick and an inner wall of interlocked refractory tiles constructed and arranged for relative movement and to oppose the transfer of heat, a course of header bricks fast in the outer wall and loose in the inner wall to oppose heat transfer there being spaces underlying said header bricks to permit movement of the inner wall and to support the upper portions of the latter when portions of the inner wall rest on the upper faces of said header bricks, and hinged through-



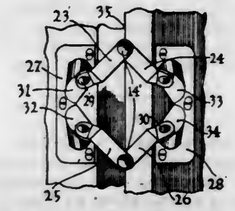
bolts connecting said walls substantially as described.

2,071,070

HINGE

Tallmon Ethan Horst, Chicago, Ill.

Application January 31, 1935, Serial No. 4,287
7 Claims. (Cl. 16—164)



1. A hinge structure comprising pairs of links, the two links of each pair being pivoted together and having means at their extremities for securing the links to a pair of members to be connected together for swinging movement with respect to each other, the pivotal axes of the hinge links to the members being disposed at an acute angle with respect to any plane including the axis on which the links are pivoted to each other.

2,071,071

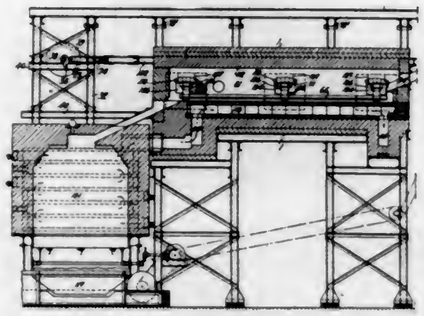
APPARATUS FOR THE CARBONIZATION OR HEAT TREATMENT OF SOLID MATERIALS

Stewart Roy Illingworth, Fernwood, Radyr, Wales, assignor to The Illingworth Carbonization Company Limited, Manchester, England

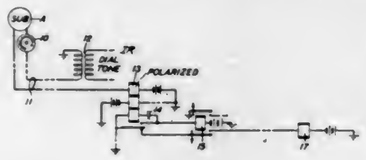
Application April 18, 1935, Serial No. 17,121
In Great Britain August 17, 1934
3 Claims. (Cl. 202—119)

1. Retort apparatus suitable for the carbonization and heat treatment of coal and other shaped fuels prepared therefrom, comprising a retort setting having a central heating chamber having a roof, side-walls extending horizontally from the side-edges of the roof, a series of horizontal pockets extending from the heating chamber within said side-walls, and vertical passages formed through said side-walls beyond the roof and communicating with said horizontal pockets, a super-structure located above the roof of the furnace, a horizontal retort tray and means for swingingly supporting it in said heating chamber comprising horizontal girders pivotally supported by a series of links which in turn are pivotally connected at their upper ends to said superstructure, said girders and pivoted links and their

pivotal connections being wholly outside of the furnace walls for movement longitudinally to the furnace, pairs of cross-beams extending across the heating chamber and having their ends projecting into said horizontal pockets, said projecting ends being connected to the said girders by vertical posts extending through said vertical passages and having their upper ends rigidly connected to said movable longitudinal girders, a water-seal located around said vertical posts, and links suspended from said pairs of cross-beams for supporting the retort trays.



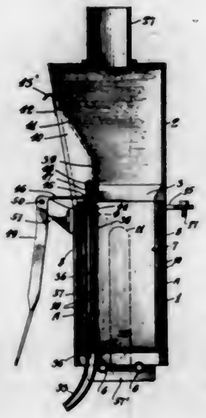
2,071,072
SIGNALING SYSTEM
Lewis H. Johnson, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1935, Serial No. 18,507
19 Claims. (Cl. 179—16)



1. In a signaling system, a line, a signal sender, a signal receiving relay, a circuit including said line and sender and a winding of said signal receiving relay, an auxiliary relay, a circuit closed by said signal receiving relay for operating said auxiliary relay, a condenser, and a circuit closed by said signal receiving relay for preventing the release of said signal receiving relay for a short interval of time, said last-mentioned circuit including said condenser and excluding the winding of said auxiliary relay.

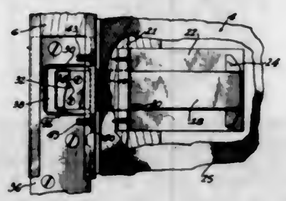
2,071,073
AUXILIARY MELTING MEANS FOR TYPE-SETTING MACHINES
Meno Klingenberger, Brooklyn, N. Y.
Application October 24, 1935, Serial No. 46,537
4 Claims. (Cl. 22—80)

1. An auxiliary melting device for use with type-setting machines, said device comprising a lower, jacket part, a melting pot therein, and an upper, hopper part that is removably connected to said lower part, said lower part provided with means whereby it may be removably supported by and secured to a fixed part of the machine frame, molten metal delivery means for said pot,



a delivery control valve having a stem, and means within said pot and encircling said valve stem to shield said valve stem from contact with the pot contents.

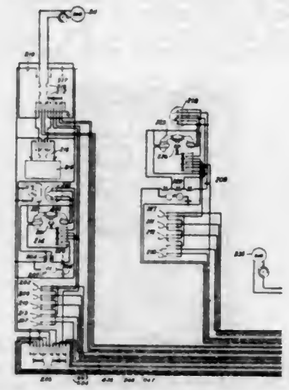
2,071,074
CHECK HASP ANCHOR
Archer L. Knapp, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 11, 1935, Serial No. 10,355
9 Claims. (Cl. 16—82)



1. A door check strap holding device for motor vehicles comprising an attaching plate, a channel to receive the strap attached to and projecting from one side of said plate, a clamping plate for clamping the strap to the channel and means for removably securing the clamping plate to the channel to hold the strap.

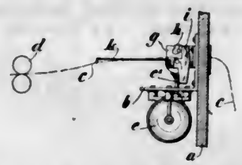
2,071,075
TELEPHONE SYSTEM
Charles D. Koechling, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1935, Serial No. 32,312
11 Claims. (Cl. 179—18)

1. In a telephone system, a switch, subscribers' lines terminating in said switch, links terminating in said switch, means for establishing a connection from any one of said lines to any particular other one of said lines through a link, and means responsive to the calling of a particular line for establishing a connection through a link from



the calling line to another line if said particular line is busy.

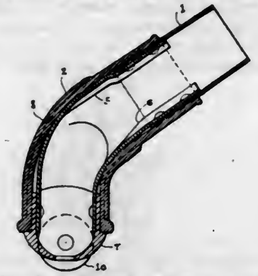
2,071,076
MECHANISM FOR DRIVING WEBS OF MATERIAL
Robert C. La Borde and Everett C. Potter, Brooklyn, N. Y., assignors to News Projection Corporation, New York, N. Y., a corporation of New York
Application April 16, 1932, Serial No. 605,772
Renewed August 2, 1934
18 Claims. (Cl. 271—2.4)



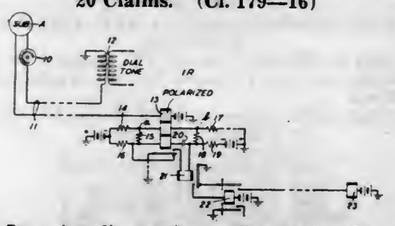
1. A drive for a web of material comprising a continuously operating driving roller in engagement with the web, an idler presser roller maintained by gravity in driving engagement with the web and said driving roller, web responsive means to initiate movement of said idler roller from driving engagement with the web and said driving roller, upon change in tension of the web, the gravity pull on the idler roller serving to maintain the idler roller out of said driving engagement and means to hold the web against movement while the idler roller is out of driving engagement with the driving roller.

2,071,077
FLEXIBLE NOZZLE FOR VACUUM CLEANERS
Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware
Application February 24, 1936, Serial No. 65,394
3 Claims. (Cl. 15—155)

1. In a vacuum cleaner nozzle, a rigid mouth portion having two side walls and a suction cleaning port on its under surface, a substantially flat spring firmly joined at its lower end to a side wall of said mouth portion and firmly joined at its upper end to means for attaching the nozzle to the inlet port of a vacuum cleaner, a flexible cover surrounding the cross-member and spring forming a substantially air-tight air conveyor from cleaning port to inlet of said vacuum cleaner, and with said spring substantially conforming to the inner wall of the said flexible cover.

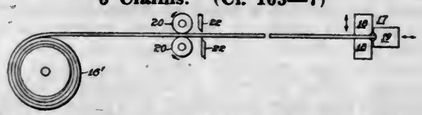


2,071,078
SIGNALING SYSTEM
Frank K. Low, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1935, Serial No. 18,505
20 Claims. (Cl. 179—16)



1. In a signaling system, a line, a signal sender, a signal receiving relay, a circuit including said line and sender and a winding of said signal receiving relay, an auxiliary signal relay controlled by said signal receiving relay, and means comprising a condenser for aiding the complete operation of said signal receiving relay in response to the closing of said circuit.

2,071,079
METHOD OF MAKING SAFETYPINS
Frank Magidson, Pittsburgh, Pa.
Application March 20, 1935, Serial No. 11,957
6 Claims. (Cl. 163—7)

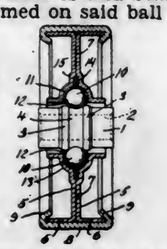


1. In a method of making safety pins from a single piece of wire, the steps of upsetting a length of such wire not greater than its diameter, repeating such upsetting until a head is formed containing a quantity of metal equal to at least four times the amount of metal contained in a length of one diameter of said wire, then cupping the head lengthwise of the pin to form a seat for the point thereof.

2,071,080
ROLLER
James E. Marshall, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application February 28, 1935, Serial No. 8,595
3 Claims. (Cl. 208—181)

1. A roller comprising a hub having a raceway therein, a pair of ball races surrounding said

race-way, a row of bearing members mounted between said race-way and said ball races, said ball races closely conforming to the surfaces of said bearing members and extending toward the hub beyond the center of said bearing members, radial flanges formed on said ball races and ar-



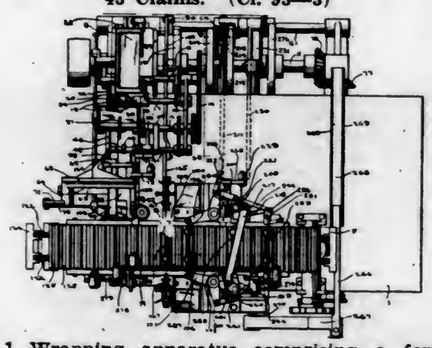
ranged adjacent each other, a pair of webs comprising intermediate annular portions arranged adjacent to and secured to each other, the inner portions of said webs being shaped to snugly receive said races and said flanges, and a tread member carried by said webs.

2,071,081

CONTAINER FORMING AND FILLING MACHINE

Michael J. Milmoe, Chicago, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois

Application December 11, 1929, Serial No. 413,338
43 Claims. (Cl. 93—3)



1. Wrapping apparatus comprising a form, means for moving a sheet of wrapping material to a position adjacent said form, means for applying an adhesive to said material, means for wrapping said material about said form with opposite edges thereof in overlapping relation and with said glue interposed between said edges, and means for simultaneously moving said container formed on said form off said form and for pressing said overlapping edges toward each other to seal the same together.

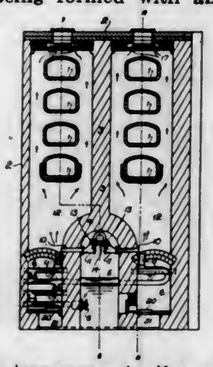
2,071,082

APPARATUS FOR THE DISTILLATION, CALCINATION, OR HEAT TREATMENT OF COAL, SHALE, PEAT, WOOD, AND OTHER SUITABLE FRAGMENTARY SOLID AND/OR SEMISOLID MATERIALS

Samuel Moore, Hoylake, England, assignor to Stellite Limited, Queen's Ferry, near Chester, England, a British company

Application February 14, 1935, Serial No. 6,608
In Great Britain February 26, 1934
1 Claim. (Cl. 202—116)

In an apparatus for heating coal, shale and the like, a setting containing vertically aligned groups of horizontal and spaced retorts open at their ends, a longitudinal vertical wall separating the groups of retorts for independent operation, vertical walls transverse to the retorts dividing each group into separately fire zones, each of said zones being formed with an intermediate



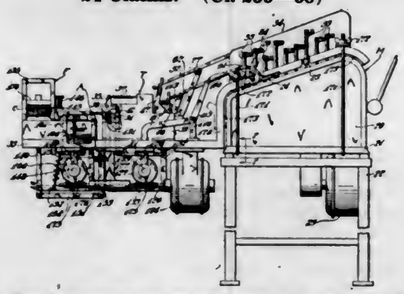
vertical wall transverse to the retorts to form flues on each side of said intermediate wall for upward passage of heating gases to contact and encircle the retorts, an offtake flue, and said intermediate wall having passages arranged therein for the gases to pass downwardly through to said offtake flue.

2,071,083

TABULATING AND COMPUTING SYSTEM

Richard Leland Nash, Wilkinsburg, Pa., assignor of one-half to Harold Fearon, Edgewood (Pittsburgh), Pa.

Application May 16, 1935, Serial No. 21,771
24 Claims. (Cl. 235—58)



1. In a computing mechanism, in combination, a pivot forming member, a plurality of fingers pivotally mounted on said member and adapted to rotate about said member, means for normally retaining said fingers in a biased position from which they rotatively drop by gravity upon release to an operative position unless arrested at will in an intermediate position, means for actuating said pivot forming member in an operative direction, a plurality of lever mechanisms each of which is adapted to be actuated by a different one of said fingers when in operative position and upon movement of said pivot forming member, and a computing machine adapted to be operated by said lever mechanisms.

2,071,084

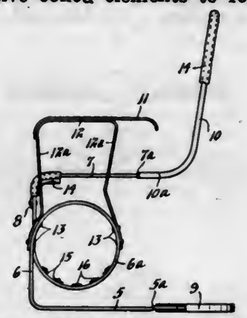
LAWN CHAIR

Harry E. Nolan, Minneapolis, Minn.

Application September 7, 1935, Serial No. 39,566
6 Claims. (Cl. 155—50)

5. In combination with a chair including a base, a seat spaced above said base and parallel

similar coiled elements connecting said seat to said base at opposite sides thereof, means extending between the lower portions of the coils of the respective coiled elements to form an arti-



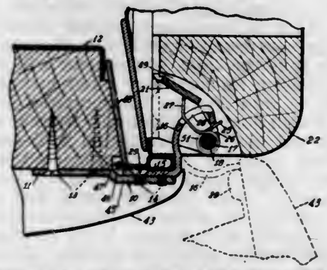
cle supporting rack, a pair of chair arms situated above respectively opposite sides of said seat, and supports for said arms mounted on said coiled elements.

2,071,085

REFRIGERATOR DOOR HINGE

Edwin North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware

Application March 25, 1936, Serial No. 70,739
9 Claims. (Cl. 20—35)



1. A hinge for a refrigerator door having a sealing strip arranged upon the inner side thereof, said hinge comprising an attaching member for attachment to the door, a supporting frame for attachment to the door jamb or body of the refrigerator, and a movable element pivotally mounted upon said supporting frame and having an extension attached to the said attaching member between the latter and the said sealing strip.

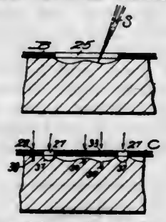
2,071,086

METHOD OF PRODUCING AN ORNAMENTAL DESIGN IN STONE

Robert B. Perry, Waterbury, Vt., assignor to Rock of Ages Corporation, Barre, Vt., a corporation of Vermont

Application July 13, 1934, Serial No. 735,007
6 Claims. (Cl. 41—39)

1. The method of producing an ornamental design in stone which comprises applying a first separate and previously prepared stencil having openings corresponding to the parts of the design to be contoured to the surface to be ornamented; directing a controlled blast of abrasive material through said openings to produce contoured surfaces below said openings, removing said first stencil, applying a second separate and previously prepared stencil with openings therein surrounding the contoured surfaces with its edges registering with the edges of said surfaces previously produced, and blasting the stone through the openings in said second stencil to produce a



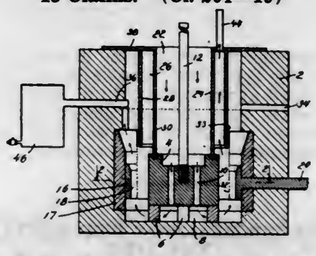
background for said contoured portions, the blast being so directed that either the background or the contoured surface has sloping walls.

2,071,087

ELECTROLYTIC CELL

Herbert Philipp, Syracuse, N. Y., assignor to The Solvay Process Company, Syracuse, N. Y., a corporation of New York

Application January 29, 1931, Serial No. 512,058
15 Claims. (Cl. 204—19)



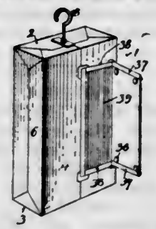
1. A cell for the electrolysis of a fused electrolyte having in combination a centrally located anode, a cathode positioned externally of the anode and spaced therefrom, a chamber for the electrolyte positioned centrally of the cell and communicating with the space between the anode and the cathode, and an outlet for the electrolyte also communicating with the space between the anode and the cathode whereby circulation of a fused electrolyte through said space and in the same direction in contact with both the anode and the cathode is effected.

2,071,088

MOTH BAG

George Rottman, Brooklyn, N. Y.

Original application August 26, 1931, Serial No. 559,436. Divided and this application November 2, 1935, Serial No. 48,040
3 Claims. (Cl. 206—7)



1. An article of the character described, comprising a bag formed of sheet material, scored or creased, and folded into a box-like container, said blank having projections or extensions at opposite side edges of said blank and of less length

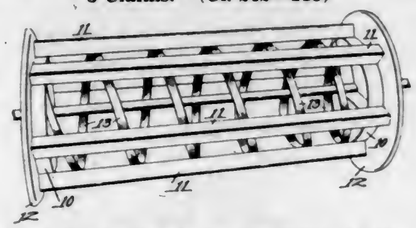
than the blank, to form projecting flaps, said blank having cuts extending inwardly from one side edge adjacent the top and bottom of one of said projections whereby the material between said cuts will form a door in one wall of the receptacle with one of said flaps disposed on the free edge of said door, said flaps being adapted to be folded together upon themselves for the purpose of closing the bag along the edge of the door when the latter is in closed position, and adapted to be unfolded to permit the door to be opened.

2,071,089
BALE TIE
Alvin V. Rowe, Galesburg, Ill.
Application December 11, 1935, Serial No. 53,983
19 Claims. (Cl. 24—27)



1. A wire bale tie comprising a main wire body having a free tying portion at one end thereof, a loop provided at the other end of said body, said loop including wire portions welded together and being formed of raw drawn wire, and said free tying portion being formed of annealed wire.

2,071,090
REENFORCED REEL FOR DYE KETTLES AND THE LIKE
Warren J. Simonds, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts
Application March 30, 1936, Serial No. 71,627
3 Claims. (Cl. 242—118)

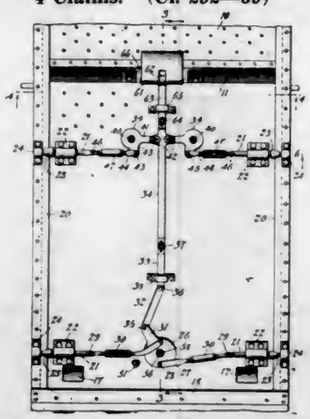


1. As an article of manufacture, a reel for dye kettles and the like comprising a head at each end, a series of longitudinal bars carried by said heads, and a reenforcing strip of metal having each end secured to one of said heads and passing around the reel bars and secured to said bars.

2,071,091
CHEMICAL MANUFACTURE
Maurice C. Taylor, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application July 13, 1936, Serial No. 90,443
11 Claims. (Cl. 167—17)

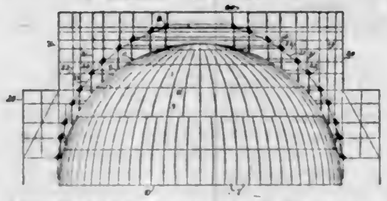
3. A stable fungicidal and bactericidal composition comprising mixtures of acid agents and the chlorites of the metals of the group consisting of the alkali metals and the alkaline earth metals.

2,071,092
LOCK
Max Troy, Brooklyn, N. Y.
Application November 5, 1935, Serial No. 48,410
4 Claims. (Cl. 292—39)



1. A lock for a door including latch mechanism adapted to be used with keepers, comprising primary latch members slidably mounted on said door at opposite sides thereof engageable with and disengageable from said keepers respectively when said door is in its closed position, said primary latch members embodying camming means cooperating with said keepers to exert pressure on the sides of the door when the primary latch members are engaged with the keepers in such manner that the sides of the door will be forced tightly closed, an auxiliary latch mechanism at one end of said door, a link mounted for movement on said door longitudinally thereof and having one end pivotally connected with said auxiliary latch member, means connected with said link and said primary latch members for causing the primary latch members and the auxiliary latch member to function simultaneously, said means causing said primary latch members to be forced outwardly into said keepers while pulling said auxiliary latch member into functioning position, and power means connected with the first mentioned means for actuating said first mentioned means, said power means including a worm gear set which prevents unintentional release of the various latch members.

2,071,093
SHEET METAL DOME FOR PLANETARIUM OR THE LIKE
Duane Van Horn, Plymouth Meeting, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application November 7, 1933, Serial No. 696,964
1 Claim. (Cl. 108—4)

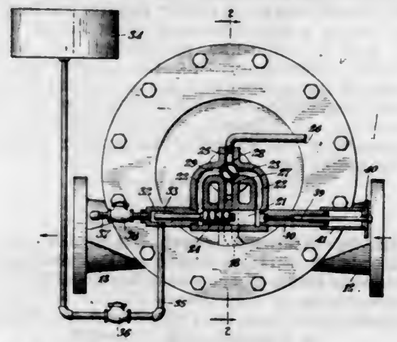


A hemispherical sheet metal dome structure comprising sheet metal sections, each forming a section of a sphere, secured together by spot welds through overlapping marginal edges to form a substantially continuous inside hemispherical surface, only certain outer overlapping edges being provided with single outwardly extending flanges of the same material as the sheet metal section so as to have the same lineal coefficient of thermal expansion and rate of temperature change as the sheet metal sections, overhead supporting means for the dome structure, and perpendicularly disposed flexible suspension members connecting the dome at different horizontal zones with the supporting means through said flanges, each suspension member having substantially the same total lineal expansion and contraction for a given temperature change.

2,071,094
CHEMICAL MANUFACTURE
George Paul Vincent, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application May 11, 1934, Serial No. 725,074
4 Claims. (Cl. 167—17)

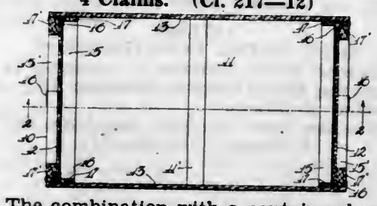
1. A deodorizing composition comprising a briquetted dry mixture of a soluble chlorite, an acidifying agent and a filler of lower solubility whereby disintegration of the briquets when in contact with water is retarded.

2,071,095
LIQUID MIXING DEVICE
John S. Watts, East Orange, N. J.
Application June 18, 1931, Serial No. 545,154
3 Claims. (Cl. 137—165)



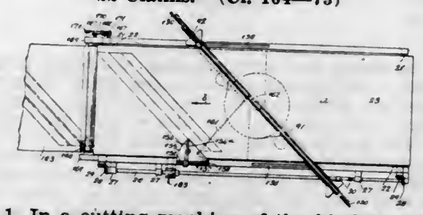
1. An apparatus for adding to a stream of liquid unit quantities of a second liquid in predetermined ratio by volume, said apparatus comprising a conduit through which the stream of liquid flows, a flow-responsive motor arranged in said conduit for operation by said stream of liquid proportional to the rate of flow of said stream, a cylinder, a member mounted in said cylinder for back and forth movement, a valve for alternately supplying liquid under pressure to and discharging liquid from the ends of said cylinder, means connecting said motor and valve whereby the valve is actuated at a frequency proportional to the rate of flow of said stream of liquid to alternately admit liquid under pressure to one end of the cylinder while discharging liquid from the other end, a source of the second liquid, a pump actuated by said member, and connections for said pump whereby successive unit quantities of said second liquid are drawn from said source and discharged into the first liquid in definite ratio to the rate of flow of said stream of liquid through said conduit.

2,071,096
BOX
Roman F. Weber, Milwaukee, Wis.
Application May 22, 1935, Serial No. 22,812
4 Claims. (Cl. 217—12)



1. The combination with a container having a pair of side panels, a pair of adjacent end panels and an adjacent bottom panel, of securing means on each of said side panels, securing means on said adjacent bottom panel, said securing means comprising clip holding members and resilient gripping elements cooperating with said holding members, and penetrating extensions on said elements bent in the direction of introduction of the end panels, whereby each of said end panels is secured to each of said adjacent side panels and to said adjacent bottom panels by the gripping action of said resilient gripping elements upon insertion, in a direction substantially at right angles to an adjacent panel, of each of said end panels between said securing means on said adjacent side panels and between said securing means on said adjacent bottom panel.

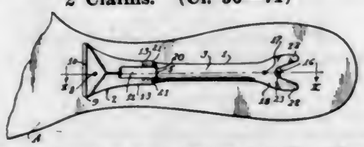
2,071,097
CUTTING MACHINE
Odd Wennberg, Laurelton, Alfred E. Wegner, Flushing, and Charles C. Spadone, Rockville Centre, N. Y., assignors to Spadone Machine Company, Inc., New York, N. Y., a corporation of New York
Application March 6, 1933, Serial No. 659,614
22 Claims. (Cl. 164—73)



1. In a cutting machine of the kind described including an endless belt having its upper run movable in a horizontal direction, a vertically movable raceway extending transversely across said upper run, feeding mechanism for feeding said upper run of said belt in successive steps, cutting means adapted to be reciprocated in said raceway, and operating means for reciprocating said cutting means in said raceway, that improvement which comprises, a cylinder, a piston reciprocable in said cylinder for operating said feeding mechanism, a pump for supplying a hydraulic operating medium to said cylinder, a control valve for directing said hydraulic operating medium alternately to opposite ends of said cylinder, hydraulic elevating means for raising said raceway and for effecting a lowering thereof during the reciprocation of said cutting means therein whereby said cutting means is adjusted alternately to inoperative and operative positions, a crank-member for operating said operating means whereby said cutting means is reciprocated in said raceway, means operated by said crank-member for adjusting said control valve, a cam

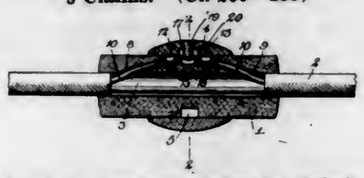
connected with said crank-member for actuating said hydraulic elevating means, and an electric motor operatively connected with said crank-member.

2,071,098
SHOE SHANK CONSTRUCTION
John Joseph White, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application April 26, 1935, Serial No. 18,317
2 Claims. (Cl. 36—71)



1. In a reinforcing device of the class described; a shank element for reinforcing an insole shank; a ball-supporting part; and a spring integral with and formed of the material of said ball-supporting part connecting said element and part together; said spring extending between said element and the insole and arranged to be bowed upwardly, upon depression of said part, to afford a yieldable auxiliary reinforcement for the insole shank.

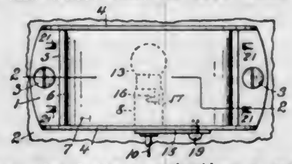
2,071,099
ROTARY ELECTRIC SWITCH
Milton Zuckerman, New York, N. Y., assignor to Irving Haas, New York, N. Y.
Application November 26, 1935, Serial No. 51,665
3 Claims. (Cl. 200—155)



1. A rotary switch comprising a tubular body having a peripheral groove in the outer surface, oppositely positioned notches also in the outer surface merging into said groove and an independent auxiliary bore extending from each of the notches to the interior of the body whereby a conductor may extend into the body from each end and then through said auxiliary bores to said notches, a stationary contact having a portion fitting into each of said notches and positioned to engage conductors extending into the notch and portions extending into said groove, a ring surrounding part of said body and covering said groove, and a movable contact carried by said ring positioned to be moved into said groove to prevent displacement of the ring with respect to said body, said movable contact being adapted to be moved along said groove to a position between said stationary contacts to electrically connect the same.

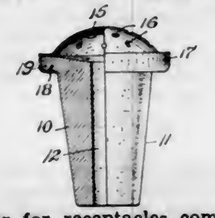
2,071,100
AUTOMOBILE CLEARANCE SIGNAL
Ray R. Allison and Charles A. Steinbeck, Kansas City, Mo.
Application June 18, 1936, Serial No. 85,906
5 Claims. (Cl. 177—329)

1. An automobile clearance signal comprising a channel supporting member open at one side for its full length and adapted to be fastened to a car, an electric lamp having a bulb between and of sufficient width to enclose the space between the flanges of said member, means for attaching said lamp to said member, a lens at the outer side of said bulb between



said flanges, the latter projecting a substantial distance outside of said lens, and means including projections on said member at opposite sides of said bulb for limiting the endwise movement of said lens.

2,071,101
SPRINKLER FOR RECEPTACLES
Carl E. Anderson, East Orange, N. J., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J.
Application November 13, 1935, Serial No. 49,483
1 Claim. (Cl. 299—141)



A sprinkler for receptacles comprising a tapered soft rubber stopper having a central longitudinal bore and an inwardly sloping top face and also having a marginal depending flange at the top, and a dome-like perforated top with a marginal edge embracing the outside edge at the top of the stopper and being crimped to tightly compress the flange of the stopper whereby the top part of the stopper is stiffened and withstands the strain of withdrawing the stopper by means of the metal top.

2,071,102
OIL FILLED CABLE
Ralph W. Atkinson, Perth Amboy, N. J., and Donald M. Simons, Osborne, Pa., assignors to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application June 19, 1928, Serial No. 286,517
12 Claims. (Cl. 173—268)



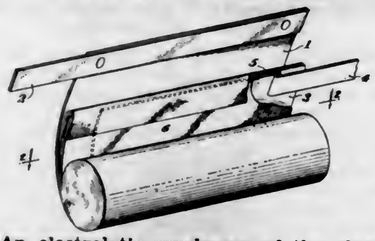
6. In an oil-filled cable installation and in combination with a length of cable, a source of oil under pressure in communication with such length of cable, a barrier provided with two orifices controlling such communication, an inwardly opening check valve controlling one of said orifices, an outwardly opening check valve and an inwardly opening valve both controlling the other of said orifices, and means operating in response to increase of pressure upon the oil within the length of cable and adapted to unseat said inwardly opening valve.

7. A factory fabricated length of oil-filled cable sealed at its ends ready for test and shipment to the point of ultimate installation, the sealing structure at one end including a tube of insulation having oil-tight connection at its ends to the cable conductor and the cable sheath, and a series of impedance units arranged in succession externally of said tube for distributing electrical stress substantially uniformly longitudinally along the tube from end to end when a difference of potential exists between the cable conductor and the cable sheath, the said tube and impedance units entering into the make-up of a terminal for testing the cable length in the factory and also entering into the make-up of a joint for the cable length in its ultimate installation without reopening the cable end subsequent to the factory test.

2,071,103
DRY ELECTROLYTIC CONDENSER
Milton Bergstein, New York, N. Y., assignor to Micamold Radio Corporation, Brooklyn, N. Y., a corporation of New York
No Drawing. Application May 18, 1931, Serial No. 538,400
4 Claims. (Cl. 175—315)

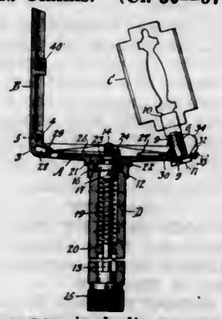
2. An electrolytic condenser of the class described having an armature of the film-forming type and an electrolyte combining boric acid, sucrose and triethanolamine.

2,071,104
DRY ELECTROLYTIC CONDENSER
Milton Bergstein, New York, N. Y., assignor to Micamold Radio Corporation, Brooklyn, N. Y., a corporation of New York
Application May 18, 1931, Serial No. 538,401
7 Claims. (Cl. 175—315)



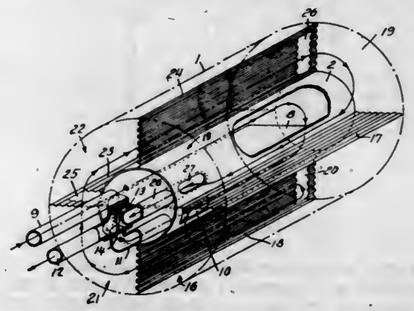
1. An electrolytic condenser of the class described having an armature of the film-forming type, and an electrolyte consisting of a triethanol ammonium soap.

2,071,105
SAFETY RAZOR
William Harman Black, New York, N. Y.
Application February 1, 1936, Serial No. 61,924
12 Claims. (Cl. 30—57)



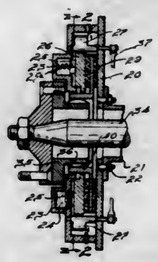
1. A safety razor, including a guard, a handle fixed to the guard, a blade clamp and cap pivotally connected respectively to opposite ends of the guard, and means in the handle to move the cap and clamp about their pivots and also adapted to turn the clamp to reverse a blade therein when freed from between the cap and guard.

2,071,106
OIL TEMPERATURE REGULATOR
Emile Blair, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application March 11, 1935, Serial No. 10,350
7 Claims. (Cl. 257—236)



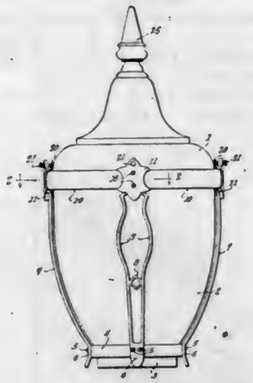
1. A device of the character described comprising a chamber, a radiator surrounding said chamber, an inlet and an outlet connected to said chamber, a check valve arranged between said chamber and said outlet, one of the walls of said chamber having a passage communicating with said radiator adjacent said outlet, and a connection between said radiator and said outlet.

2,071,107
DISK BRAKE
William Blatt, Detroit, Mich.
Application March 4, 1935, Serial No. 9,166
9 Claims. (Cl. 188—72)



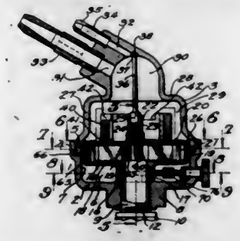
1. A brake comprising a fixed housing having air inlet ports therein, a movable brake operating plate, a splined hub secured to an axle for rotation therewith, a brake disk having spaced segments of brake material secured thereto, said disk being mounted on said hub and rotatable therewith and acting as a turbine to draw air inwardly of said air inlet ports, thereby to cool the interior of said brake, brake actuating members connected with said brake operating plate and adapted to effect movement thereof to apply and release braking pressures exerted by said plate on said disk.

2,071,108
LIGHTING FIXTURE
Chester W. Brown, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application November 21, 1934, Serial No. 754,064
3 Claims. (Cl. 240—25)



1. In a support for a lamp housing, a base, a plurality of uprights carried by the base, and a plurality of band sections, each band section being detachably secured at one end to one of said uprights and interlocked at its other end between an adjacent band section and upright, said interlocked end being free for a limited endwise adjustment relative to the adjacent band section.

2,071,109
SPRINKLER
Guadalupe Buelna, Santa Barbara, Calif., assignor of one-half to Henri Eugene Jeremie Vacher, Santa Barbara, Calif.
Application March 12, 1935, Serial No. 10,629
7 Claims. (Cl. 295—67)



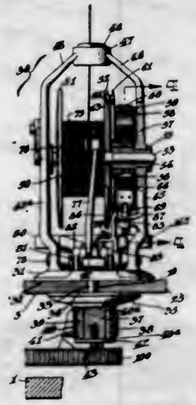
1. In a lawn sprinkler, a casing provided with an outlet, a valve chamber mounted in said casing, said casing being rotatably mounted relative to said valve chamber, means for supplying water under pressure to said valve chamber, said valve chamber being formed at one side of its center with a pair of outlets so extending in opposite directions through its side wall as to so respectively direct water from said valve chamber against the adjacent side wall of said casing as to rotate said casing respectively in opposite directions, a valve in said valve chamber controlling said outlets, and means for actuating said valve to close one of said outlets and open the other outlet for reversing the rotary motion of said casing when said casing has rotated a predetermined degree in either direction.

2,071,110
FILM PACK STRUCTURE
James L. Burke, Weehawken, N. J.
Application April 1, 1932, Serial No. 602,471
5 Claims. (Cl. 250—34)



1. A dental film pack comprising a film, a transparent strip bonded to said film along one face thereof and having a tab unitary therewith and protruding beyond said film, said tab having an inturned basal portion and a wrapper enclosing said film and said strip in light tight relation, said wrapper including a part folded over the inturned base of said pull tab and over which the rest of said pull tab is folded outwardly to extend therebeyond, said wrapper including means adhesively connected to said part and retaining the base of said pull tab in position.

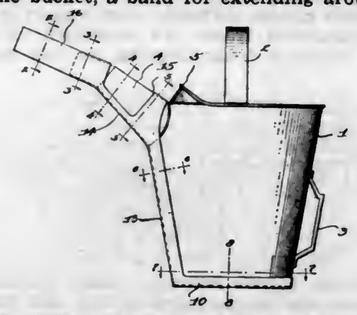
2,071,111
BRAIDING CARRIER
Judson A. Cook, Haledon, N. J., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application February 1, 1935, Serial No. 4,462
16 Claims. (Cl. 96—13)



1. A braiding carrier comprising a standard, a bobbin thereon, mechanism on the standard adjacent said bobbin including a member for controlling the tension of a strand feeding from the bobbin, and separate means on the standard associated with the bobbin and controlled by said tension control member for rewinding the thread and maintaining a substantially uniform tension on the thread.

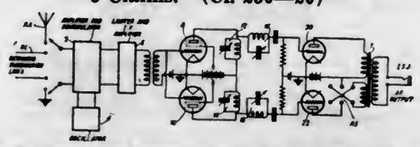
2,071,112
BUCKET AND BUCKET PROTECTOR
Lloyd G. Copeman, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application October 28, 1935, Serial No. 47,069
14 Claims. (Cl. 221—11)

1. As a new article of manufacture, a protector for a spouted bucket, comprising a ring member for extending around the bottom edge of the bucket, a band for extending around the



spout of the bucket, and an apron connected to and extending from the band to the ring and adapted to cover the front portion of the bucket.

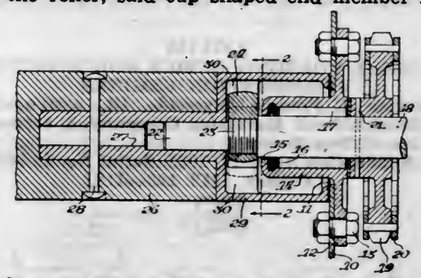
2,071,113
DETECTION OF FREQUENCY MODULATED SIGNALS
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 17, 1935, Serial No. 45,409
6 Claims. (Cl. 250—20)



1. In a frequency modulated wave demodulating system, a source of frequency modulated carrier wave energy, two parallel capacitive and inductive reactances in series connected in parallel with said source, one of said capacitive and inductive reactances being tuned to a frequency above the upper frequency of said frequency modulated wave, the other of said parallel capacitive and inductive reactances being tuned to a frequency below the lowest frequency of said frequency modulated wave, a pair of rectifiers having input and output electrodes, a circuit connecting the output electrodes of said rectifiers in push-pull relation, separate parallel reactance units connecting the input electrodes of each of said rectifiers to the outer terminals of said two first named series reactances, one of said last named parallel reactance units being tuned to a frequency above the highest frequency of the frequency modulated wave to be demodulated, the other of said last named parallel reactances being tuned to a frequency below the lowest frequency of the frequency modulated wave to be demodulated.

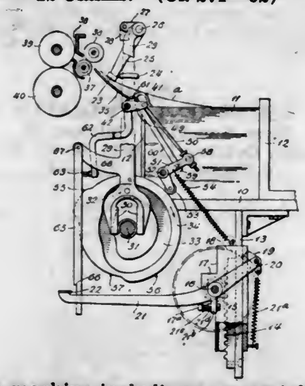
2,071,114
ELEVATOR ROLLER DRIVE COUPLING
Charles F. Crumb and Gustaf Hammer, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application October 21, 1935, Serial No. 45,990
8 Claims. (Cl. 198—203)

1. The combination with a driving unit comprising a support carrying a bracket including a bearing box extending from the support through an opening formed therein and a drive shaft journaled in the box and extending therethrough, the extended end of the shaft carrying a driver element fast thereon, said element including driving lugs; of an elevator roller carrying at one end a gudgeon including an enlarged cup shaped end member substantially the same size as the roller, said cup shaped end member in-



cluding means providing socket portions to receive the driving lugs of the driver element when said end member is slipped over the bearing box to mount the roller and establish a driving clutch connection with the drive shaft.

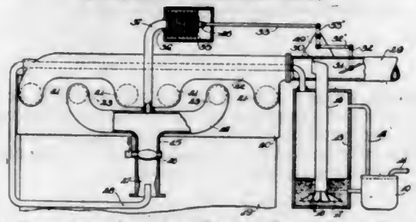
2,071,115
MACHINE FOR HANDLING SHEETS OF MATERIAL, LABELS, AND THE LIKE
Paul W. Fleischer, Weehawken, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application March 19, 1935, Serial No. 11,773
12 Claims. (Cl. 271—62)



1. In a machine including a support for a supply stack of sheets, labels or the like, transfer means for removing said sheets, labels or the like from said stack in individual succession, and elevating mechanism for raising said stack support, that improvement which comprises a stationary bearing having an air inlet in connection with a source of air under pressure, a rock-shaft journalled in said bearing and having an internal air chamber provided with an aperture normally out of registry with said air inlet, a control member on said rock-shaft arranged to engage the upper end of said supply stack and constituting an air nozzle in open communication with the air chamber of said rock-shaft, actuating means operated in timed relationship with the transfer means for operating said rock-shaft to swing said control member in a direction away from the top of said supply stack and to shift said aperture into registry with said air inlet whereby a stream of air is discharged through said control member beneath the sheet, label or the like being removed from said supply stack, and means periodically operated by said actuat-

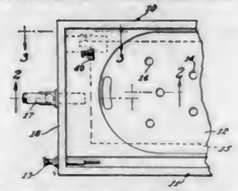
ing means at intervals predetermined by the recurrent reductions in the height of the supply stack to actuate said elevating mechanism whereby the top of said supply stack is restored to operative relationship with said transfer means.

2,071,116
CHARGE FORMING DEVICE FOR INTERNAL COMBUSTION ENGINES
Charles A. French, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 10, 1935, Serial No. 15,540
5 Claims. (Cl. 123—119)



1. A charge forming device for internal combustion engines comprising, in combination with an inlet mixture conduit and an exhaust gas conduit, a vaporizing chamber, means for supplying liquid fuel thereto, means for delivering hot gases from the exhaust conduit to said chamber, means for delivering vaporized gases from said chamber to the inlet conduit, and means for regulating the vaporized gas supplied to the inlet conduit by means operated by the suction in the inlet mixture conduit.

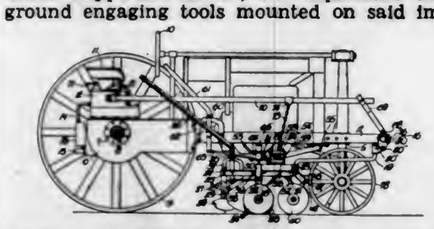
2,071,117
AMUSEMENT APPARATUS
Myer Gensburg, Chicago, Ill.
Application October 11, 1935, Serial No. 44,488
6 Claims. (Cl. 271—24)



4. In a game apparatus having a game operating member, a ticket web feed mechanism comprising: a rotatable web feeding drum, a locking member movable radially of said drum to prevent rotation of the latter, a drum-rotating member pivotable co-axially therewith and having a part transiently engageable with the said drum to rotate the same in advancing movement and engageable with the said locking member to move the latter radially out of locking position to permit movement of the drum, together with means operatively connecting said game operating member with said drum rotating member.

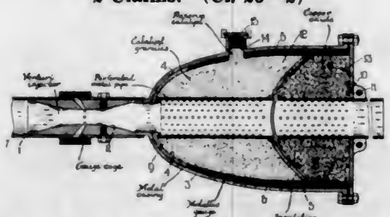
2,071,118
CULTIVATOR ATTACHMENT FOR TRACTORS
William S. Graham, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 29, 1936, Serial No. 66,353
20 Claims. (Cl. 97—47)

1. The combination with a wheel supported frame, of an implement attachment mounted on said wheel supported frame, said implement attachment comprising transverse frame means mounted on said wheel supported frame for reciprocatory motion vertically with respect to the wheel supported frame, an implement frame, ground engaging tools mounted on said imple-



ment frame, furrow following means carried by the frame, and means for mounting said implement frame on said transverse frame means for a free lateral movement of translation whereby said ground engaging tools are free to follow the furrows of plant rows.

2,071,119
PROCESS AND APPARATUS FOR TREATING FURNACE GASES AND EXHAUST GASES FROM INTERNAL COMBUSTION ENGINES
John Harger, Liverpool, England
Application May 12, 1933, Serial No. 670,809
In Great Britain May 12, 1932
2 Claims. (Cl. 23—2)



1. Process of treating exhaust gases from internal combustion engines which consists in adding secondary air and burning the mixture without external heating by passing it through a refractory catalyst consisting of bauxite which exerts catalytic action but is further activated by a minor proportion of a compound of a metal selected from the group consisting of iron, manganese, copper, chromium, titanium.

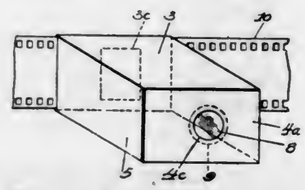
2,071,120
MAGNIFYING AND VIEWING DEVICE
Jesse Hancock Harlow, Chicago, Ill., assignor of one-half to Louise W. Denman, Wilmette, Ill.
Application April 23, 1936, Serial No. 75,957
3 Claims. (Cl. 40—28)



1. A magnifying and viewing device for transparencies printed upon a ribbon of film comprising a rectangular hollow prism having aligning apertures in the opposite sides, said apertures being disposed unsymmetrically with respect to the center of said prism and an enclosing prism, without ends, into which said first mentioned prism is adapted to telescope, said enclosing prism being provided with apertures registering with the apertures in the enclosed prism, whereby

there is provided a film channel adjacent the apertures on one of the sides and lenses mounted within the enclosed prism in front of the apertures in the side opposite to the location of the film guide.

2,071,121
PICTURE VIEWING APPARATUS
Jesse Hancock Harlow, Chicago, Ill., assignor of one-half to Louise W. Denman, Wilmette, Ill.
Application April 23, 1936, Serial No. 75,958
1 Claim. (Cl. 40—28)

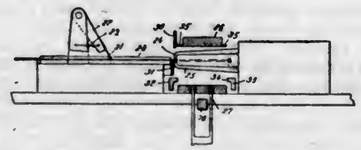


A picture viewing device consisting of suitable material providing rectangular areas in parallel relation which when bent upon their respective juncture lines are adapted to provide the top, bottom, and sides of a rectangular figure, extensions upon the ends of segments of said figure constituting opposite and facing portions thereof which are proportioned to delimit and control the passage of light through said rectangular figure and extensions carried by the remaining members of said figure adapted to provide end closures therefor, said last mentioned extensions having apertures therein and the other of which constitutes means for framing or vignetting the picture to be viewed.

2,071,122
PROCESS OF NITRATING ETHANE
Henry B. Hass, West Lafayette, and Edward B. Hodge, Terre Haute, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application May 16, 1936, Serial No. 80,070
8 Claims. (Cl. 260—144)

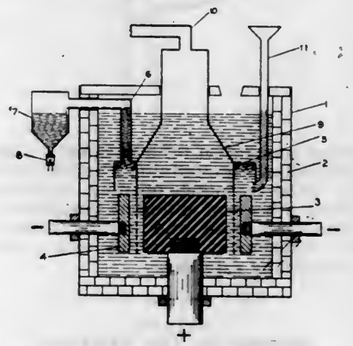
1. The process of nitrating ethane, which consists in producing contact between ethane and nitric acid with both reagents in the gas or vapor phase.

2,071,123
MACHINE FOR CUTTING, FOLDING, AND STACKING LABELS
Edward J. Hubelmeyer, Little Ferry, N. J., assignor to J & H Machine Works, Little Ferry, N. J., a corporation of New Jersey
Application January 14, 1935, Serial No. 1,672
19 Claims. (Cl. 271—85)



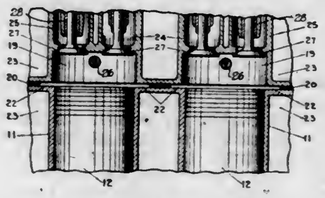
1. In a machine of the character described, means for stacking folded labels comprising a pair of pivoted, positively actuated and positively controlled label gripping members, means for moving one member beneath the folded label, positively actuated means for moving the other member into engagement with the upper surface of the folded label, and means for swinging said members in unison to inverted discharge position.

2,071,124
METAL RECOVERY PROCESS
Robert Edwin Hulse, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 29, 1934, Serial No. 750,416
17 Claims. (Cl. 204—21)



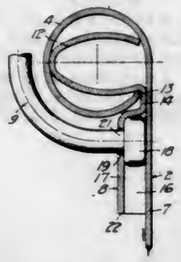
1. A process for recovery of metal values from a mixture of sodium, calcium and oxide comprising introducing said mixture into a fused mixture of sodium-chloride and calcium chloride undergoing electrolysis in an electrolytic cell.

2,071,125
INTERNAL COMBUSTION ENGINE
Ferdinand Jehle, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application May 29, 1930, Serial No. 456,998
8 Claims. (Cl. 123—191)



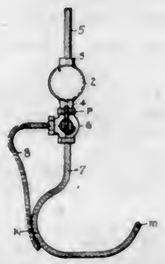
1. In an internal combustion engine, a cylinder block, a detachable cylinder head formed with compression chambers communicating with the cylinders in said cylinder block respectively, a gasket intermediate said cylinder block and said cylinder head, and chambers communicating with the compression chambers in said cylinder head formed between said cylinder block and said cylinder head by enlargement of the cylinder openings in said gasket, the adjacent walls of said head and said block being subjected on their outer surfaces to a cooling medium and being so spaced and of a sufficient area materially to decrease detonation by cooling the fuel mixture that is compressed therebetween during operation of the engine.

2,071,126
BAIL CONNECTION
Ernest E. Jennings, Berkeley, Calif., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application July 11, 1934, Serial No. 734,631
11 Claims. (Cl. 220—91)



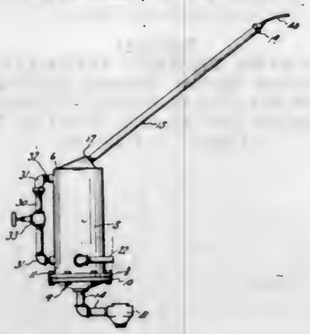
1. A bail connection for a receptacle having an outwardly rolled edge defining a hollow bead along the rim of the receptacle opening, comprising an ear having a bead of different peripheral shape than said first bead and sprung therein into resilient engagement therewith, and a bail pivotally carried by said ear.

2,071,127
VENEREAL AIR SYRINGE
Josiah L. Jones, St. Petersburg, Fla.
Application April 29, 1935, Serial No. 18,868
1 Claim. (Cl. 128—232)



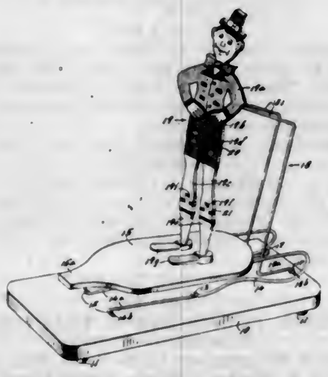
A venereal air syringe, having in combination a syringe tube of uniform diameter the entire length and curved to permit its insertion into the uterus, small openings at the outer end of said syringe tube, the opposite end being open, a rubber bulb having necks with openings at opposite positions, the outer neck having engaged thereon and connected therewith a nipple having a central passage and openings at each end, check valves in said necks, which will permit flow through the nipple into the bulb, when a vacuum is created within said bulb, and from the bulb, when compressed, through the inner neck to the parts to be treated and which will prevent return flow to the bulb, an air vent tube, open at both ends, shaped to provide a handle for the syringe and adhered to the syringe tube, and a three way valve having said inner neck of the bulb and inner end of the syringe tube connected with it at opposite openings and said air vent tube connected at the side thereof, valve control means for opening and closing a valve passage between the bulb and syringe tube and a valve passage between the air vent tube and syringe tube.

2,071,128
STEAM SEPARATOR AND SUPERHEATER
William L. Kisling, St. Louis, Mo.
Application February 8, 1935, Serial No. 5,591
11 Claims. (Cl. 122—459)



2. In a steam separator, an elongated housing, a steam inlet line entering the housing adjacent its lower end and terminating adjacent the upper end, and a steam discharge line communicating with the housing medially and then leading down near the lower end and back up through the housing through the upper end thereof, and a superheating coil formed in the steam discharge line within the housing.

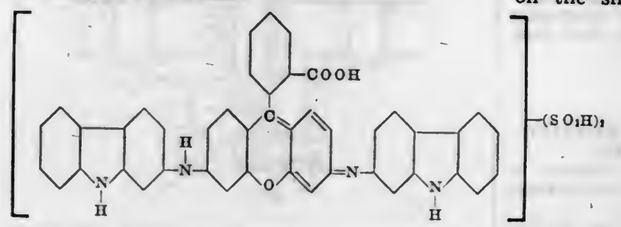
2,071,129
DANCING TOY
George S. Knickerbocker, Minneapolis, Minn., assignor of fifty per cent to James G. Bennett, Minneapolis, Minn.
Application February 16, 1935, Serial No. 6,906
5 Claims. (Cl. 46—138)



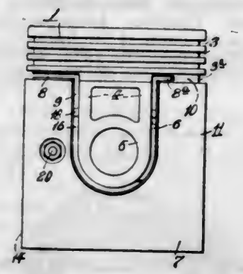
1. A toy device having in combination, a base, a resilient means secured to said base, a platform secured to said resilient means and supported in substantially horizontal position above said base, a resilient member supported by said base and upstanding from the rear portion thereof normally resting thereon but pivotally mounted to swing rearwardly and having a forwardly extending portion and a figure supported by said last mentioned portion and depending therefrom having portions pivotally connected about substantially horizontal pivots, said figure having foot-portions substantially engaging said platform whereby upon vibration of said platform and resilient means said figure will dance and may jump by said member swinging rearwardly.

2,071,130
DYESTUFFS OF THE PYRONE SERIES
Hans Krzikalla and Paul Garbsch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 25, 1935, Serial No. 8,210. In Germany March 9, 1934
2 Claims. (Cl. 260—46)

2. The dyestuff of the pyrone series corresponding to the formula:



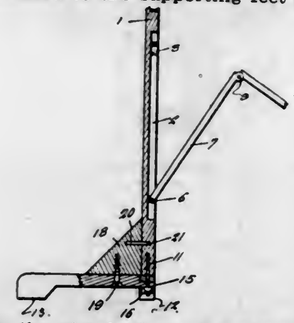
2,071,131
PISTON FOR AN INTERNAL COMBUSTION MOTOR
Elmer C. Long, Grosse Pointe Park, Mich.
Application September 9, 1932, Serial No. 632,325
5 Claims. (Cl. 309—11)



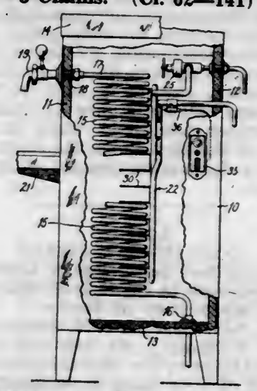
1. A piston comprising a head having pin bosses depending therefrom and a skirt having both a power and a compression thrust side, said skirt being separated from the pin bosses and from the head except on its power thrust side, said skirt having a single longitudinal split extending from top to bottom on its compression thrust side and having a pair of supporting webs extending from the power thrust side to said compression thrust side, said webs being free from engagement with said pin bosses, a resilient yieldable member interposed between said webs adjacent said split, an adjustable element mounted through said resilient member and having end engagement with said webs, and a web extending from one side of each pin boss to said power thrust side of said skirt, being the aforesaid sole connection of the pin bosses with the skirt.

2,071,132
COSTUMER
George Loucks, Dolgeville, N. Y., assignor of ninety per cent to Flossie Lewis, Canastota, N. Y.
Application October 26, 1935, Serial No. 46,948
1 Claim. (Cl. 248—194)

A costumer of the class described comprising a pair of complemental connected standards, said standards having lateral sockets in their lower portions, threaded shanks anchored in the lower ends of the standards and depending therefrom, double supporting feet engaged with the lower ends of the standards and having recesses in their intermediate portions, the shanks extending through said intermediate portions, single supporting feet extending at right angles to the double supporting feet and including, on their inner ends, tongues engaged in the recesses of said double supporting feet, the shanks extending through said tongues, wing nuts threaded on the shanks for securing the feet to the standards, substantially triangular braces detachably secured to the supporting feet and engaged with the standards, and horizontal pins fixed in the braces and engaged in the sockets.



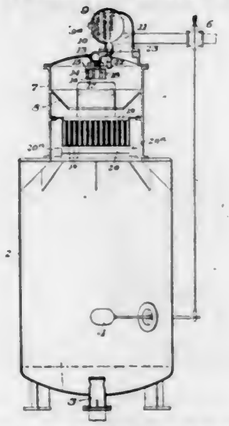
2,071,133
BEVERAGE COOLING SYSTEM AND APPARATUS
Michael A. Martin, Erie, Pa., assignor to Uniflow Mfg. Company, Erie, Pa., a corporation of Pennsylvania
Application February 20, 1935, Serial No. 7,421
3 Claims. (Cl. 62—141)



1. In a beverage cooling apparatus, a heat insulated cabinet adapted to contain a cooling liquid of low freezing point, a vertically disposed beverage coil terminating upwardly below the liq-

uid level and adapted to have beverage circulated therethrough from an external source of supply to an outlet adjacent the cabinet top, a refrigerant fluid conduit disposed beneath the liquid level in the cabinet and adapted to have a volatile refrigerant fluid circulated therethrough, high heat conductivity means in the cabinet interconnecting the beverage coil and the refrigerant fluid conduit comprising fins engaging the refrigerant conduit projecting outwardly therefrom intermediate the coil convolutions, and temperature responsive means adjustable externally of the cabinet controlling refrigerant fluid flow through the conduit.

2,071,134
METHOD AND APPARATUS FOR HEATING AND DEAERATING LIQUIDS
John R. McDermet, Jeannette, Pa., assignor to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1934, Serial No. 752,796
12 Claims. (Cl. 183—2.5)

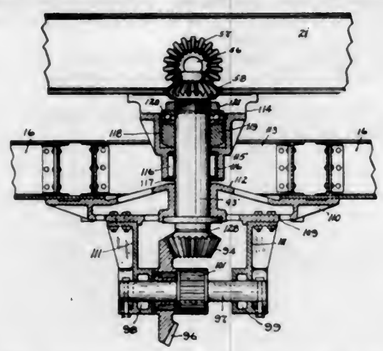


11. Contact exchange apparatus including a plurality of cartridges disposed in a laterally spaced relation, means supplying water to the cartridges, each cartridge having a plurality of layers of circuitous passageways, means supplying steam to the apparatus, and elements preventing the steam from entering said cartridges except from the spacing between said cartridges.

12. In the method of deaerating water, the steps including separating the water into a plurality of spaced groups of dispersion and flow retarding zones, causing a flow of water into the zones, and causing a flow of steam into the spacing between the zones while preventing a direct flow of the steam into the zones and while permitting a deaerating contact with the water in the zones.

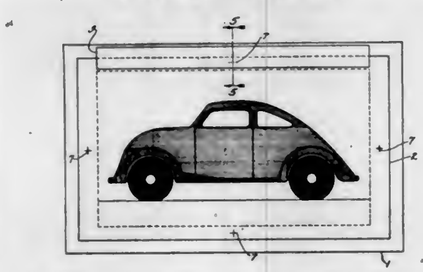
2,071,135
LOCOMOTIVE CRANE
John R. McGiffert and Norman Huber, Duluth, Minn., assignors to Clyde Iron Works, Duluth, Minn., a corporation of Maine
Application November 27, 1929, Serial No. 410,103
7 Claims. (Cl. 105—28)

1. In a machine of the character described, the combination of a carriage, a vertically extending tubular member rigidly associated with the frame of said carriage, a revoluble frame structure supported on said carriage and normally parallel therewith, a friction reducing bearing interposed between said revoluble frame structure and the radially outer wall of said tubular member and means for assuring a substantially even pressure



on said bearing when the revoluble frame is slightly inclined from its parallel position in relation to said carriage.

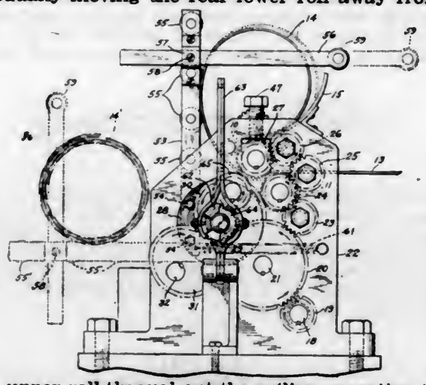
2,071,136
PROCESS FOR REPRODUCING COLORS AND APPARATUS USED THEREWITH
Fred J. Meinzinger, Detroit, Mich., assignor to Meinograph Process, Incorporated, Detroit, Mich., a corporation of Michigan
Application September 12, 1934, Serial No. 743,653
9 Claims. (Cl. 95—5.1)



4. A process for reproducing colors by process engraving consisting of making a monochrome of a picture, making a sole color film of the picture to embody a plurality of said colors to be reproduced, placing said sole color film in a sole position of contact adjacent the front side of said monochrome to form the front of a complete picture assembly, and photographing said sole color film in its sole position of contact with said monochrome, said monochrome modifying the tonal effects of all of said plurality of colors during the photographing.

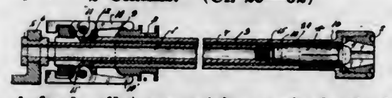
2,071,137
UNIVERSAL COILING MACHINE
Herman N. Neidt, Torrington, Conn., assignor to The Torrington Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application September 27, 1935, Serial No. 42,367
14 Claims. (Cl. 242—78)

1. In a coiling machine, an upper roll, a pair of rolls positioned below and one on either side of the upper roll arranged to impart a downward and then an upward curvature to a strip of metal fed between the upper and lower rolls, means for driving the upper roll in one direction and the lower rolls in the opposite direction, and means connected with and operated by the drive for gradually moving the rear lower roll away from



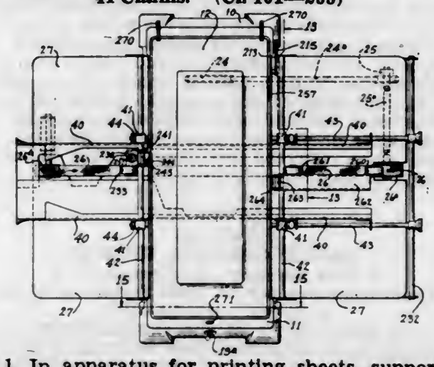
the upper roll throughout the coiling operation to progressively increase the diameter of the coil and coil the convolutions in spaced relation.

2,071,138
FEED COLLET
Peter E. Nolan, Providence, R. I.
Application July 19, 1935, Serial No. 32,272
2 Claims. (Cl. 29—62)



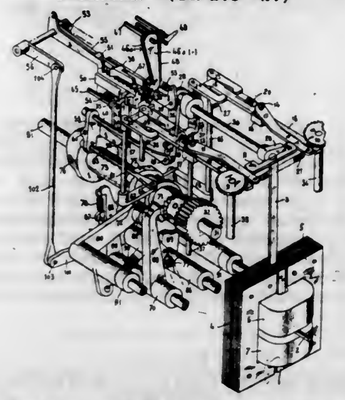
1. A feed collet comprising a single stock engaging member having slots extending from one end thereof to form a plurality of resilient stock gripping fingers, a resilient fingered housing surrounding said stock engaging member, said stock gripping member and said housing being respectively externally and internally tapered at their slotted ends to provide cooperating wedging surfaces, and means for adjusting the longitudinal position of said stock engaging member relative to said housing to control the contact between said collet and stock being fed therethrough.

2,071,139
PRINTING APPARATUS
Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Application January 25, 1934, Serial No. 708,279
41 Claims. (Cl. 101—235)



1. In apparatus for printing sheets, supporting means, a plurality of sheet advancing and printing devices operable to successively engage and print on the sheet while advancing the same in one direction, and means for moving the sheet in an opposite direction between the printing operations of said devices.

2,071,140
AUTOMATIC PRINTING TELEGRAPH
Robert Emile Marie Pénot, Paris, France
Application February 10, 1934, Serial No. 710,598
In France February 17, 1933
9 Claims. (Cl. 178—27)

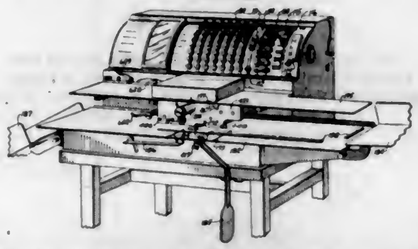


1. A direct mechanical printing apparatus reproducing telegraphic messages in ordinary characters, comprising a selector mechanism capable of sorting and storing the received signals corresponding to each character intended to be printed, including a polarized relay provided with an oscillating armature having an escapement plate secured thereto, the relay being excited by incoming signal currents and operating said armature, a main driven shaft, a pair of toothed wheels continuously driven from said main shaft, two pivoted racks individually adjacent to said toothed wheel and capable of approximately longitudinal movement together with their pivotal mountings and also capable of movement about said pivotal mountings into angular positions controlled by said escapement plate, said escapement plate being capable upon movement thereof by oscillation of said armature, of causing alternatively one of said racks to engage with the respectively adjacent toothed wheel and be longitudinally moved by said wheel for the duration of the engagement of the rack with the wheel, a movable selector cam controlled in movement by said escapement plate, and a printing combining device capable of receiving the stored signals from said selector mechanism and operating to print the corresponding character and controlled in operation by said selector cam and said racks, there being means for driving said main shaft.

2,071,141
ACCOUNTING MACHINE
Everett H. Placke, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application February 24, 1933, Serial No. 658,314
55 Claims. (Cl. 235—3)

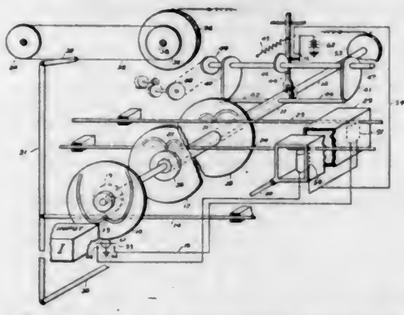
4. In a machine adapted to print varying data at definite points on fixed forms, the combination of printing mechanism; feeding means including feeding rollers to grip the forms; a plurality of selective control devices for the feeding

means; and a plurality of manipulative control means for selecting various identifying data to be printed and for simultaneously selecting one of said control devices.



23. In a machine adapted to print varying data at definite points on fixed forms, the combination of printing mechanism; feeding means; a plurality of control devices for said feeding means; impression hammers adapted to be selectively operated; manipulative control means; and means intermediate the latter and said devices and the hammers for controlling the selection of said devices and the appropriate hammer or hammers under control of said manipulative devices.

2,071,142
SYSTEM OF AUTOMATIC ANTICIPATORY CONTROL
Anita S. Reynolds, Princeton, N. J.
Application March 18, 1933, Serial No. 661,451
23 Claims. (Cl. 236—1)



1. The method of temperature control which consists in producing upon a departure from a desired normal an effect which is a function of the rate of temperature change, of the departure of the temperature from a predetermined magnitude and the increment of lag of said departure, controlling by said effect the application of heat for varying the temperature, and upon a reversal of said departure producing a different effect.

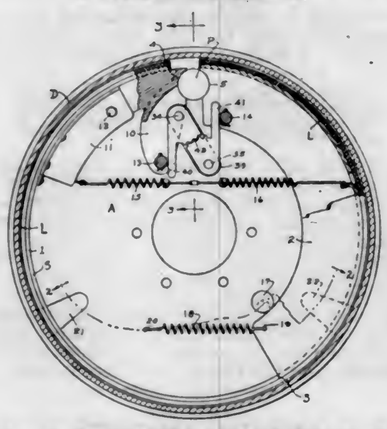
2,071,143
AUTOMATIC VALVE
Lewis L. Scott, Kirkwood, Mo., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 21, 1930, Serial No. 437,783
15 Claims. (Cl. 137—153)

1. An automatic valve, comprising a casing for containing a liquid, a yielding member located within the casing adapted to move under action of the liquid pressure, a spring cooperating with the yielding member in opposed relation to the liquid pressure, an elongated tube attached to the casing for conveying the liquid to an outlet located at the end of said tube, a cut-off valve located near the spray nozzle carrying a spring, which spring normally tends to open said cut-off valve, an elongated member within the tube contacting at one end with the cut-off valve



and at the other end carrying an automatic bypass valve which is adapted to seat in a head carried by the yielding member so as to regulate the liquid pressure within the casing and to cooperate with the yielding member to close the cut-off valve at a predetermined pressure, substantially as described.

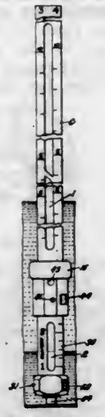
2,071,144
BRAKE MECHANISM
John Sneed, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 18, 1928, Serial No. 286,155
2 Claims. (Cl. 188—78)



1. An expanding device for a brake having friction parts and adapted to deliver compressive forces in opposite directions and move in at least one direction, said device comprising a rotatable member having arms pivoted at its ends, said arms carrying interfitting gear segments meshing substantially in line with the points of pivotal mounting, said arms extended parallel and in opposite directions from the said points and engaging the friction part of the brake at their ends, the point of engagement of each of said arms being substantially at the same elevation as the points of pivotal mounting for the other of said arms whereby rotation of said member moves at least one of said friction parts.

2,071,145
LIQUID GAUGING DEVICE
J Mills Summers, Englewood, N. J.
Application October 17, 1935, Serial No. 45,489
6 Claims. (Cl. 73—120)

1. A gauge device of the character described embodying a transparent tube with valves at different levels, means for retaining the valves open while inserting the gauge into the liquids and means for automatically releasing the valves, preparatory to closing, upon contact with the bottom of the tank and further means operative auto-



matically to close the valves upon lifting the gauge from contact with the bottom of the tank.

2,071,146
FOOTWEAR
Eugene B. Ward, West Springfield, Mass.
Application October 25, 1935, Serial No. 46,757
4 Claims. (Cl. 36—71)



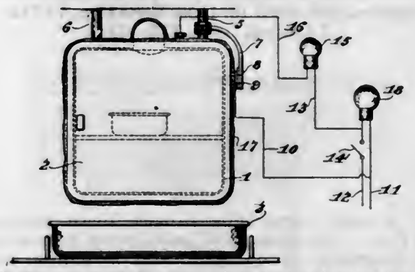
1. The combination with a shoe having a flexible sole of a device for supporting the metatarsal arch region of the foot comprising, a pair of adjacently disposed base plate members disposed adjacent the sole of the shoe adjacent the metatarsal arch-supporting part thereof and hingedly connected together for swinging movements relative to one another as the sole of the shoe is flexed, a support member hingedly connected to one of said plate members, and an actuating member associated with the other of said plate members for acting on and swinging said support member, all adapted and arranged whereby said support member is swung upwardly and away from said sole by said actuating member as said plate members are swung relative to one another by flexing of the sole of the shoe.

2,071,147
TWIRLER RING FOR TYPEWRITER PLATENS
Charles J. Watson, Brooklyn, N. Y., assignor to Peerless Key Company, Inc., New York, N. Y., a corporation of New York
Application May 9, 1936, Serial No. 78,762
5 Claims. (Cl. 74—558)



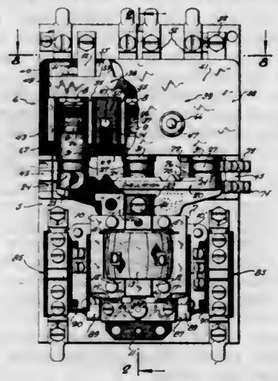
1. A twirler ring for knobs of typewriter platens, comprising an annulus having on the inner surface thereof a centrally positioned circumferential groove, and a plurality of spaced ribs projecting into the groove.

2,071,148
DEFROSTING SIGNAL FOR REFRIGERATORS
Harold J. Weisberg, Brighton, and Charles E. Ide, Greece, N. Y.
Application March 27, 1935, Serial No. 13,306
2 Claims. (Cl. 177—311)



2. In an electric or mechanical refrigerator the combination of a freezing unit on which frost is adapted to accumulate, a large contact plate suitably spaced from said freezing unit and insulated therefrom, a lamp circuit connected to said freezing unit and said contact plate, said circuit being closed between the freezing unit and the contact plate by the accumulation of frost on the freezing unit, a switch in said circuit by which the circuit may be otherwise opened and closed, said lamp circuit having a lamp therein capable of lighting with a low consumption of watts, said switch being normally open.

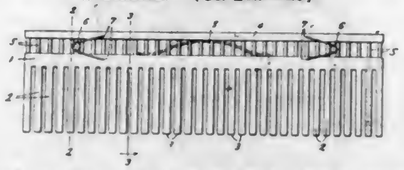
2,071,149
ELECTRIC SWITCH
Gustav O. Wilms, Milwaukee, and Hans Petersen, Wauwatosa, Wis., assignors to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 11, 1935, Serial No. 30,790
31 Claims. (Cl. 200—144)



29. In an electric switch, a pair of spaced stationary contacts, a movable contact member to electrically bridge the stationary contacts, a carrier for the movable contact member, and means for mounting the contact member from the carrier including a coiled spring, a two-part enclosure for said spring, each part having an open end, one of said parts having its closed end bearing against the carrier and receiving the thrust of the spring, the other of said parts having its open end receiving the opposite end of the spring and biased by the spring against the contact member, said two parts being positioned with re-

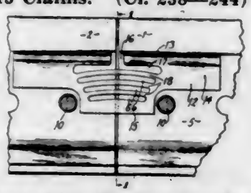
spect to each other by mutually engaging surfaces, and means to limit outward travel of the contact member from the carrier.

2,071,150
COMB
Lester K. Wolfe, Fort Wayne, Ind.
Application April 16, 1936, Serial No. 74,744
2 Claims. (Cl. 132—19)



2. A comb comprising a back, teeth projecting from said back, said teeth being hollow for the reception of dandruff and including substantially rounded free ends, a bar paralleling the back, fingers projecting from said bar and slidably engaged in the hollow teeth for ejecting the dandruff therefrom, and springs mounted between the back and the bar for retracting the fingers in the teeth.

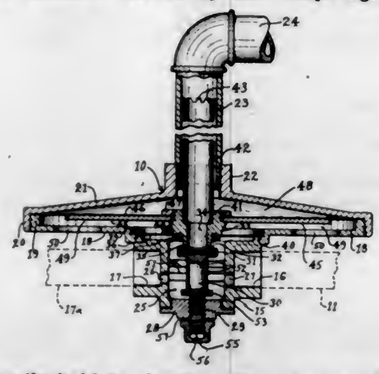
2,071,151
RAIL JOINT SHIM
Fred S. Wonham, New York, N. Y., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application February 15, 1935, Serial No. 6,627
15 Claims. (Cl. 238—244)



1. A unitary shim device comprising two substantially longitudinally alignable shim elements, each of which is adapted to underlie one of each of the two rail ends of a rail joint and to be disposed between the fishing surfaces of said rail ends and the rail joint bar to compensate for wear of said surfaces, and comprising means interconnecting said elements to permit installation and removal of both said elements as a unit in and from said joint while maintaining them in proper longitudinally spaced relation to each other and facilitating maintaining said elements in a desired longitudinal alignment during such operations, said interconnecting means being yieldable responsive to movements of said rail ends responsive to traffic conditions without impairment of the connection between said elements, and vertically disposed portions of the shim elements being relatively movable in a substantially vertical plane.

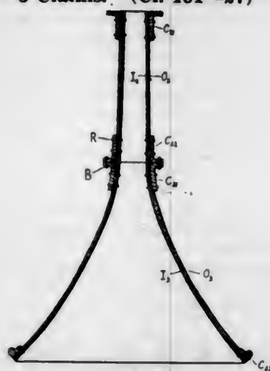
2,071,152
SPRINGLESS PRESSURE RELIEF VALVE
Ernest W. Work, Toronto, Ontario, Canada, assignor to The Beaton & Cadwell Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application December 10, 1934, Serial No. 756,850
4 Claims. (Cl. 137—53)

3. In a pressure relief valve for a liquid system, a casing adapted for connection with said system, a horizontal flexible diaphragm dividing said casing into an upper and a lower compartment, said upper compartment having an upwardly extending elongated conduit open to atmosphere for supporting a column of liquid of the same nature as that in the system, a fixed valve seat supported in the bottom part of said casing below said diaphragm, a movable tubular valve member carried by said diaphragm and



normally held in closed position upon said fixed valve seat by the pressure due to the height of said column of liquid acting upon said diaphragm, whereby said column of liquid will be automatically built up by the escape of liquid from said system with every increase of pressure above that required to lift said movable valve member from its seat.

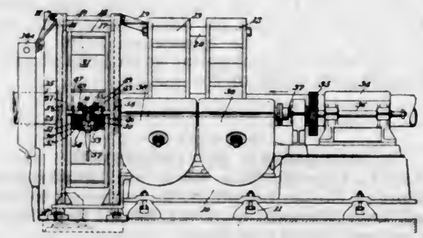
2,071,153
ACOUSTIC HORN
Alexander I. Abrahams, New York, N. Y.
Application May 7, 1935, Serial No. 20,162
3 Claims. (Cl. 181—27)



3. In an acoustic horn, a detachable section comprising a frustumed envelope with a wall of thin gage metal substantially reinforced by a contacting non-metallic and initially pliable material treated so as to leave same in a hygroscopically impervious and hard state, and means for joining said section with other similar sections.

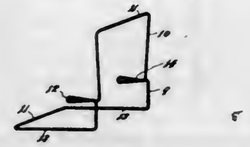
2,071,154
METHOD OF AND APPARATUS FOR PIPE FINISHING
James L. Adams, Jr., Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio
Application July 20, 1933, Serial No. 681,391
18 Claims. (Cl. 153—54)

1. In a method of straightening a pipe, the steps including exerting a crushing transverse pressure on a short portion of the length thereof progressively, and simultaneously causing gyration of an adjacent portion of the pipe about its own axis.



18. A straightening roll stand comprising a stationary supporting frame having a window opening therein, a ring rotatably positioned in said opening and supported by said frame, the interior edge of said ring being eccentric to the exterior edge, a roll housing mounted within and supported by said ring, and means for rotating said ring to cause gyration of said housing.

2,071,155
DISPLAY DEVICE
Samuel Alexander, Hartford, Conn.
Application July 8, 1935, Serial No. 30,319
1 Claim. (Cl. 155—188)

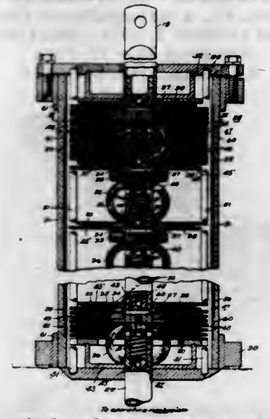


A display support of the character described adapted to support a cushion in a normal position upon a couch, said support comprising a wire frame formed to provide L-shaped side members joined at their ends by laterally extending cross bars and extensions on the upright portions of said L-shaped members formed by bending an intermediate section of said portions upon itself substantially at right angles thereto and in position to overlie a mattress upon said couch; the upper and lower bars forming said extensions being disposed in laterally overlapping position with relation to each other whereby upon backward movement of the upper portion of said L-shaped members the said upper bars will move downwardly into grasping engagement with the edge of said mattress.

2,071,156
COLORING OF BRONZE POWDERS
Max Baer, New York, N. Y., assignor to Henry M. Baer, New York, N. Y.
No Drawing. Application July 28, 1934, Serial No. 737,391
5 Claims. (Cl. 134—76)

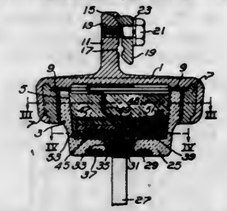
1. In the manufacture of substantially light-fast gold bronze powders, the process which comprises simultaneously mordanting and dyeing an aluminum bronze powder in the presence of a water soluble inert organic solvent, adding an aqueous fixing solution and water and recovering the resulting dyed powder by a mechanical method.

2,071,157
CIRCUIT BREAKER
Benjamin P. Baker, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1933, Serial No. 686,764
30 Claims. (Cl. 200—144)



1. A circuit breaker comprising, in combination, a plurality of sets of fixed and movable contact members between which a plurality of arcs may be drawn, said sets of contact members being connected in series circuit relation, and arc extinguishing means individual to each set of contact members and disposed adjacent to the arc paths therebetween, said arc extinguishing means comprising a plurality of metal plates adapted to sub-divide the arcs into a series of short arcs, said metal plates providing recurrent paths for the short arcs and said metal plates having openings therethrough, and operating means movable in said openings for actuating the movable contact members to the open position.

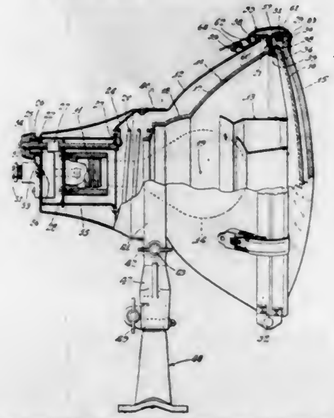
2,071,158
CIRCUIT INTERRUPTER
Edward F. Beck, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1933, Serial No. 686,765
29 Claims. (Cl. 200—123)



1. In a circuit interrupter, means movable from a closed circuit position to an open circuit position to open the circuit, means biasing said movable means toward the open circuit position, current-carrying heater means, means responsive to the heating effect of said heater means for normally preventing said biasing means from causing said movable means to move from the closed circuit position to the open circuit position, and current-carrying electro-responsive means normally connected in parallel with said heater means for limiting the current flow in said heater

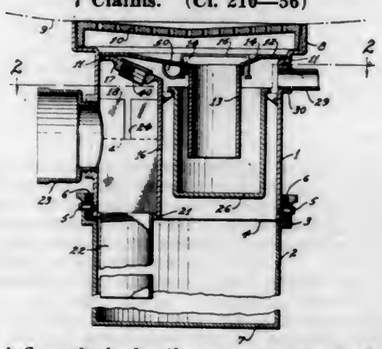
means until the occurrence of predetermined conditions in the circuit controlled by said interrupter.

2,071,159
LIGHTING CONSTRUCTION
Reuben B. Benjamin, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill., a corporation of Illinois
Application October 1, 1931, Serial No. 566,213
Renewed July 22, 1935
4 Claims. (Cl. 240—41)



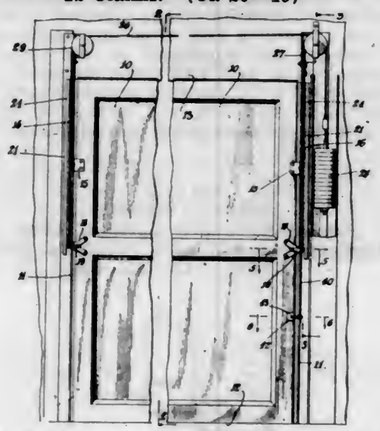
1. An electric floodlight fixture construction of the character described comprising a casing having a concave reflector portion and a lens cover therefor, a reflector in said casing conforming substantially to the contour of said casing, a rearwardly extending restricted hood portion, a longitudinal adjustable socket in said hood portion for supporting a light source in adjustable relation to said reflector, means accessible from outside said hood portion for adjusting said socket, means for releasably maintaining said socket in adjusted relation, and means between said reflector portion and said hood portion for securing said fixture to a permanent support and arranged to allow axial rotation of said casing or simultaneous axial rotation and tilting in a vertical plane relative to said securing means.

2,071,160
FLOOR DRAIN
Edward W. N. Boosey, Detroit, Mich.
Application June 22, 1934, Serial No. 731,919
7 Claims. (Cl. 210—56)



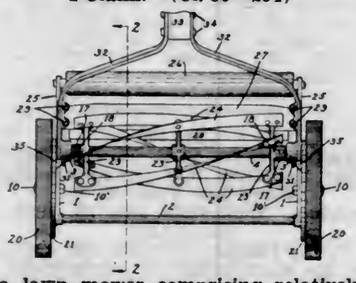
1. A floor drain for the purpose described comprising a drain body having an inlet at its upper end, means within the drain body separating the same into a main chamber and an outlet chamber, a water outlet opening to the said outlet chamber, an oil outlet opening to the main chamber, the lowermost point of which is above the uppermost point of the water outlet, and means in the outlet chamber providing for a minimum water level above the lowermost point of the water outlet and a maximum water level at about the uppermost point of the outlet.

2,071,161
OVERHEAD ACTING DOOR
Milton L. Cornell, New York, and Rowland K. Bennett, Staten Island, N. Y., assignors to Cornell Iron Works, Inc., Long Island City, N. Y., a corporation of New York
Application April 12, 1935, Serial No. 15,991
12 Claims. (Cl. 20—19)



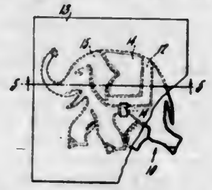
1. A canopy type overhead acting door comprising a door body, means suspending said door for movement between closed and open positions, elongate guideways along which said door is movable, said guideways being arranged frictionally to retard said door as it ends one of said movements.

2,071,162
LAWN MOWER
George W. Davis and Walter C. Davis, Richmond, Ind.
Application January 8, 1934, Serial No. 705,656
1 Claim. (Cl. 56—294)



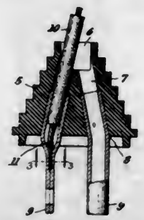
In a lawn mower comprising relatively stationary end plates connected by a rod extending therebetween, a ground wheel spaced outwardly from each of said end plates and revolvably connected therewith, a rivet extending through and securing each of said hubs and retaining the respective ground wheels in spaced and rotatable connection with its plate, a flange formed integral with each of said ground wheels and located concentrically with relation to the centers thereof, gear teeth formed around in the inner periphery of each of said flanges, a reel shaft extending between and through both of said end plates, roller bearings carried by each shaft, a pinion revolvably mounted in each projecting end portion of said shaft with the peripherial gears thereof meshing with the respective gear teeth of said flange carried by the respective ground wheels, roller clutches carried by each of said pinions and adapted to make instant engagement with the shaft when the ground wheels start and continue to operate in a forward direction and making instant disengagement from the shaft when the ground wheels start and continue to operate in the reverse direction.

2,071,163
METHOD OF MULTICOLORING A FABRIC
Charles Emmey, New York, N. Y.
Application March 19, 1936, Serial No. 69,689
13 Claims. (Cl. 41—33)



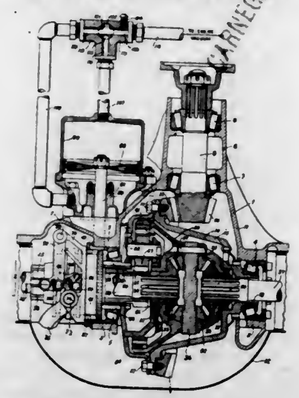
4. The method of ornamenting applique emblems having an uneven surface which consists in preforming a sketch thereon having an outline by means of embroidering, applying a carrier strip having variegated colors thereon forming an outline corresponding with that of the emblem, subjecting the strip to suitable heat and pressure whereby the colors are transferred to the emblem and finally removing the strip.

2,071,164
ELECTRICAL CONNECTER
Joseph A. C. Galvao, Orange, N. J.
Application December 31, 1935, Serial No. 56,853
1 Claim. (Cl. 173—361)



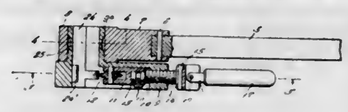
As an article of manufacture, a plug comprising a base member having diverging channels with spaced orifices to accommodate a pair of electric wires, and tubular members of conductive material inserted into the spaced orifices of said channels and frictionally held therein, said tubular members being open at the ends which are inserted into the orifices and pinched at the others so as to hold firmly and make electrical contact with the electric wires inserted therein through the diverging channels and to form a pair of contact blades adapted to fit into the conventional light socket.

2,071,165
AXLE DRIVE TRANSMISSION
George W. Harper and Albert R. Catto, Cleveland, Ohio, assignors to The Columbia Axle Company, Cleveland, Ohio, a corporation of Ohio
Application December 6, 1932, Serial No. 645,968
18 Claims. (Cl. 74—314)



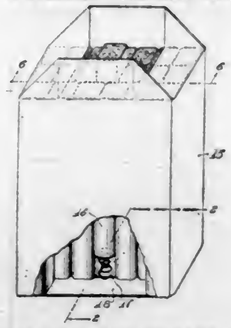
1. In a power transmission mechanism for automotive vehicles to transmit engine power to a vehicle driving axle, a pair of axle elements, differential gearing connecting the axle elements, a first gear for driving the axle elements through the differential gearing, and a second gear for receiving power from the engine, multi-speed-ratio transmission gearing between the first and second gears, comprising a planet gear associated with the second gear and meshed with the first gear and a sun gear meshed with the planet gear, and speed change means comprising means to optionally connect the sun gear to a stationary housing portion of the vehicle or to the second gear, and synchronizing means to gradually synchronize the speed of the second gear with the first gear during the changing of speed ratio.

2,071,166
PIPE CUTTER
Edward Huffman, Mount Summit, Ind.
Application September 27, 1934, Serial No. 745,785
3 Claims. (Cl. 81—191)



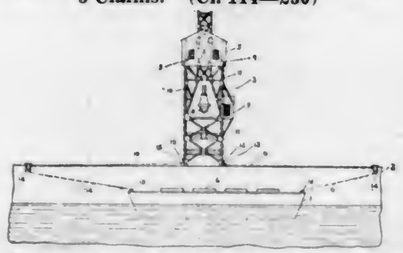
1. An implement of the kind described, comprising a frame, a cutter element retained in and which is movable longitudinally of the frame, a split sleeve having peripheral notches, and which is composed of articulated half sections detachably fastened in closed position, one of them being integral with the frame, means carried by the frame and operable to move the cutter element to and to retain it in varied position with relation to the said sleeve, a turn bar having a head member with a bore the said head member being removably journaled on the said sleeve when the half sections thereof are in closed relation, there being a gap in said turn bar head member wider than the diameter of the bore of said sleeve, and a pawl carried by the said turn bar to engage the peripheral notches in the said sleeve.

2,071,167
CIGARETTE PACKAGE
William W. Kellett, Philadelphia, Pa.
Application August 16, 1933, Serial No. 685,336
Renewed July 15, 1936
4 Claims. (Cl. 206—41)



1. An original cigarette package, as a vendable unit, comprising a plurality of adjacent rows of cigarettes, with adjacent cigarettes in contiguous relation to each other, a relatively pliable paper sheathing wrapped around said plurality of cigarettes sufficiently tightly so as to press adjacent cigarettes against each other to such an extent that the frictional contact between adjacent cigarettes would prevent any cigarette from falling out of the group merely by gravity;—said paper sheathing forming a package having side walls and end walls, and a resilient member operatively interposed between a cigarette and one of said end walls for maintaining said cigarette under end-wise compression between it and the other end wall sufficient to overcome the friction between it and adjacent cigarettes so that when the last mentioned end of the package is opened, such cigarette will be ejected to a suitable extent from between the group of adjacent and laterally compressed cigarettes;—said end-wise compressed cigarette, which is later ejected to a suitable extent, constituting a loosening device for relieving the side-wise compression exerted upon the group of cigarettes by the wrapping.

2,071,168
BARGE SHIFTER
Bernard H. Kersting, Ben Avon, Pa., assignor to The Dravo Contracting Company, a corporation of Pennsylvania
Application May 25, 1934, Serial No. 727,431
3 Claims. (Cl. 114—230)



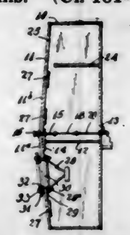
1. In apparatus for shifting a movable container, the combination of two winches including each an electric motor and drum, two cables anchored severally to and wound upon the two said drums and adapted to be secured to the movable container at opposite ends thereof, a power supply line, a controller for each motor, a selector switch, and interconnecting leads, whereby (the switch being in one position) the motors are severally responsive to the controllers for rotation in either direction, and (the switch being in alternate position) the motors are responsive to the controllers for joint operation in either direction of rotation, and means responsive to said controllers for effecting the unequal energizing of said motors during their joint operation.

2,071,169
ARTIST'S COLOR BOX
William Leslie Killik, London, England
Application September 17, 1935, Serial No. 40,886
In Great Britain October 10, 1934
9 Claims. (Cl. 41—4)



2. An artist's color box comprising a body portion; a longitudinal member disposed within said body portion and in spaced relationship to one of the walls thereof to form therewith, and with a part of the bottom of said body portion, a receptacle for brushes; transverse members forming with said longitudinal member and the wall opposite the first mentioned wall, cavities; and partitions within said cavities which divide each of the latter into two parts, one of which parts serves to receive a cake of color, and the bottom of the other of which parts forms a mixing surface for the color from the respective cake.

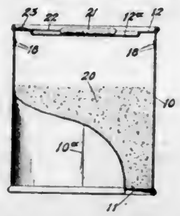
2,071,170
SOUND DISTRIBUTING PANEL AND BAFFLE FOR RADIO LOUDSPEAKERS
William J. Maxwell, New York, N. Y.
Application December 14, 1935, Serial No. 54,406
16 Claims. (Cl. 181—31)



1. A sound distributing panel and baffle for loud speakers, comprising a cabinet, a panel mounted thereon and constructed of varying thickness, a tone pin mounted on said cabinet and engaging said panel for holding it under tension, means for urging the panel against said tone pin, and a loud speaker mounted on said panel.

2,071,171
FUMIGATING PACKAGE
Henry K. McConnell, Richmond, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware
Application June 15, 1935, Serial No. 26,713
8 Claims. (Cl. 21—111)

1. A fumigating package consisting of a hermetically sealed metallic receptacle having its vertical side wall scored to provide knock-outs, and a fumigant within and only partly filling the receptacle, the fumigant consisting of a com-



bustible material, an oxygen-supplying material, and a parasiticide material which will evolve a parasiticidal vapor during fumigation.

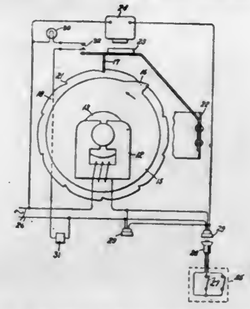
2,071,172
MECHANICAL PENCIL
Joseph Meilner, West Orange, N. J.
Application May 19, 1936, Serial No. 80,500
5 Claims. (Cl. 120—18)



1. As a manufacturing unit for mechanical pencils, a lead holding and guiding tube having a longitudinal slot and a plurality of exterior knob-like protuberances stamped integrally from the walls of the tube and spaced equidistantly longitudinally thereof in a row.

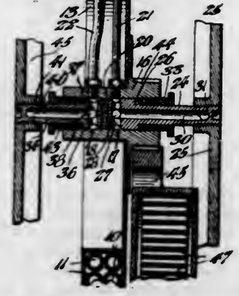
2,071,173
TIMER
William E. Owen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 13, 1936, Serial No. 79,506
3 Claims. (Cl. 161—17)

1. A timer comprising a timer motor, a hand driven directly thereby at a definite speed, a graduated dial with which said hand cooperates to indicate the passage of time, a second hand indicating on said dial and having the same axis of rotation as the first hand, means for driving said second hand from said motor in the same direction of rotation as the first hand including a friction clutch, a notched wheel rotated with said second hand, a latch resting on the periphery of said notched wheel and biased to engage a notch therein to normally hold said wheel and second hand from rotation, a cam member driven with the first hand for momentarily lifting said latch once for each revolution of said cam member to permit the notched wheel to rotate a distance corresponding to the distance between



the notches in its periphery, and electrical means controllable from a distance for disengaging said latch from the notched wheel to permit the second hand to rotate continuously.

2,071,174
MULTIPLE HOSE REEL
Charles R. Parker, Philadelphia, Pa., assignor to Wirt & Knox Mfg. Co., Philadelphia, Pa., a corporation of New Jersey
Application September 17, 1935, Serial No. 40,907
2 Claims. (Cl. 299—78)

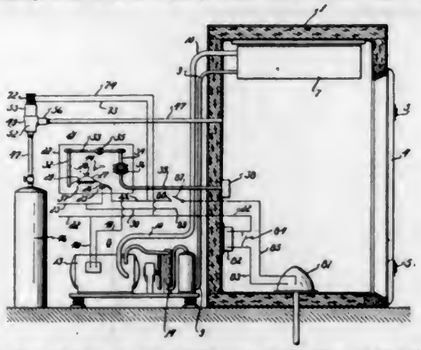


1. In a hose reel apparatus, a reel member arranged to receive two lengths of hose thereon in side by side relation, a hub for said reel member having two passages therein, means forming a communication between one passage and one hose, means forming a communication between the second passage and the second hose, two supports respectively in said passages for mounting said hub for rotation, and means for respectively delivering fluids under pressure through said supports to said passages.

2,071,175
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application May 24, 1934, Serial No. 727,262
8 Claims. (Cl. 62—6)

1. In combination a heat insulated cabinet, a refrigerant evaporator therein, a refrigerant compressor associated therewith, thermo responsive means for operating said compressor in accordance with the temperature conditions in the

cabinet, a source of water vapor, means for controlling the water vapor and means for operat-



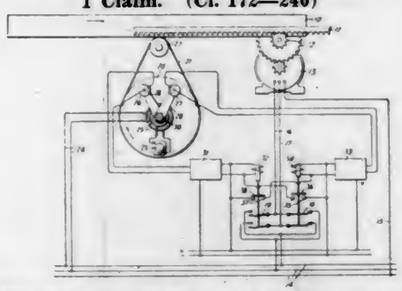
ing the latter in accordance with the operating time of said compressor.

2,071,176

MACHINE TOOL CONTROL ARRANGEMENT

Othmar Pollok, Berlin-Wilmersdorf, Germany, assignor to General Electric Company, a corporation of New York

Application January 28, 1936, Serial No. 61,236
In Germany March 11, 1935
1 Claim. (Cl. 172—240)



Machine tool control arrangement including the combination of a machine tool having a reciprocating table, a drive means including a motor for the table, reversing means for the motor, and means for actuating the reversing means and for controlling the stroke of the table, said means comprising a single source of light, a rotatable support for the source, a friction drive for rotating the support in response to movement of the table, at least two photo-electric cells mounted adjustably towards each other and disposed adjacent the support and in cooperative relation with the source of light to cause the light to fall on one cell in one end position of the table and on to the other cell in another position of the table and amplifier means having circuits including the cells.

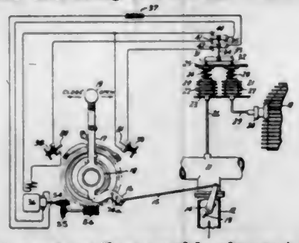
2,071,177

ENGINE THROTTLE CONTROL

Samuel R. Puffer, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application July 25, 1934, Serial No. 736,852
16 Claims. (Cl. 123—98)

1. In an engine control mechanism, the combination of a manually movable element having a handle for moving it and a connecting portion for moving a controlled member, another element to be moved automatically in response to changes of a certain operating condition, and coupling means for transmitting motion between said elements and for normally maintaining a definite relative position between said elements, the coupling means including a resilient member con-



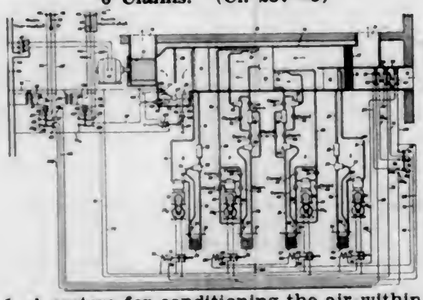
nected to the manually movable element to cause said element to return into said relative position when manually moved out of said relative position, and means for automatically disengaging the coupling means to render the automatically operated element inoperative.

2,071,178

AIR CONDITIONING SYSTEM

Edward W. Roessler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 18, 1935, Serial No. 27,158
6 Claims. (Cl. 257—3)



1. A system for conditioning the air within an enclosure including a duct for admitting air to said enclosure, means for circulating air through said duct, means including a plurality of heat exchange elements arranged in said duct for varying the temperature of the air passing therethrough, means including a plurality of sources for supplying a heat exchanging medium to said elements, each of said elements being supplied by a separate one of said sources, means responsive to the temperature of the air entering said duct for selecting the number of said heat exchange elements and of said sources which may be operated, and means independent of said last-mentioned means and responsive to the temperature of the air within said enclosure for controlling the operation of at least one of said sources of supply selected by said last mentioned means.

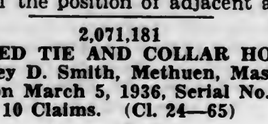
2,071,179

COMBINATION BASE AND SHOE FOR TOY PEOPLE

Grace L. Schauffler, Oberlin, Ohio

Application March 28, 1935, Serial No. 13,506
13 Claims. (Cl. 46—157)

1. A unitary support and footwear for toy people, made from a blank, and comprising an extended leg member having a supporting surface, a member simulating footwear, a fold line between said members in a plane substantially normal to the supporting surface, said footwear member when folded extending downwardly at its forward lower edge to a horizontal plane



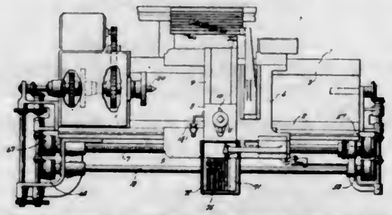
slightly above the horizontal plane containing said supporting surface, and separable cooperating fastener elements secured to the two members for retaining them in folded condition.

2,071,180

ELECTRICALLY CONTROLLED AND OPERATED LATHE

Robert D. Shaw, Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y., a corporation of New Jersey

Application December 17, 1935, Serial No. 54,869
5 Claims. (Cl. 82—21)



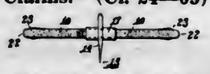
1. In a metal cutting machine, the combination of rotating means for the work, a movable support for the tool, magnetic clutches for effecting relative movements of said tool support longitudinally and transversely in and out relative to the work, switches controlling said circuits, a plurality of variably positionable switch actuators arranged to successively operate the switches by relative movements of said tool support for limiting the movements thereof, and circuits for energizing said magnetic clutches and operated by movements of said support for effecting said transverse movements in or out at predetermined positions along the work independently of the position of adjacent actuators.

2,071,181

COMBINED TIE AND COLLAR HOLDER

Perley D. Smith, Methuen, Mass.

Application March 5, 1936, Serial No. 67,192
10 Claims. (Cl. 24—65)



1. A device of the class described, consisting of a wire of spring metal including a vertical portion having at its lower end a sharpened pin point and provided near its upper end with oppositely extending and horizontally disposed loops, a bar disposed in front of said loops and a clip at the center of said bar for securing said bar to said loops.

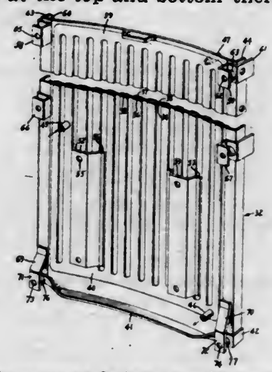
2,071,182

REFRIGERATING MACHINE CONDENSER

Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application January 26, 1935, Serial No. 3,624. Divided and this application September 24, 1935, Serial No. 41,929
5 Claims. (Cl. 257—36)

1. An air cooled condenser including a plurality of complementary sheet metal portions, means for securing said sheet metal portions together, at least one of said sheet metal portions having indentations therein cooperating with the other of said sheet metal portions to form therebetween manifolds at the top and bottom thereof respec-



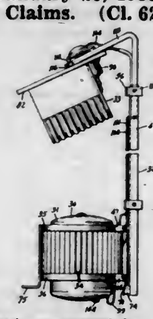
tively and passages between said manifolds and communicating therewith, said sheet metal portions having transversely extending reenforcing sections formed therein and extending throughout opposite edges of said condenser.

2,071,183

REFRIGERATOR

Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 26, 1935, Serial No. 3,624
18 Claims. (Cl. 62—116)



1. A refrigerator comprising a cabinet provided with a machinery compartment and a cooling compartment, means including a refrigerant evaporator for abstracting heat from said cooling compartment, a rigid vertical condenser extending over a major portion of an exterior vertical side wall of said cabinet, a refrigerant circulatory unit extending laterally from said condenser and rigidly secured thereto, means including said condenser for supporting said refrigerant circulatory unit in said machinery compartment, and means including said refrigerant circulatory unit and said condenser for supplying refrigerant to said evaporator.

2,071,184

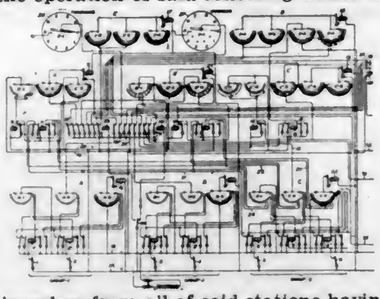
INDICATING SYSTEM

Clyde E. Stewart, Drexel Hill, and Arthur J. Johnston, Folcroft, Pa., assignors to General Electric Company, a corporation of New York

Application January 26, 1929, Serial No. 335,348
20 Claims. (Cl. 235—92)

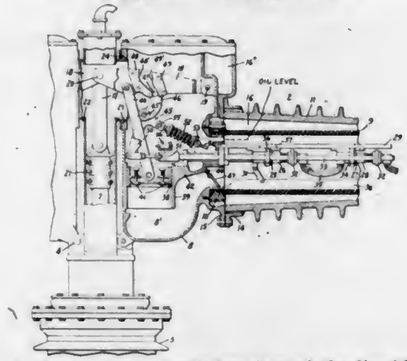
1. In combination, a plurality of impulse transmitting stations, all of said stations transmitting

impulses representing a certain value, normally idle collecting means, adding means and means responsive to operation of any station for effecting the operation of said collecting means to col-



lect impulses from all of said stations having impulses awaiting collection and to supply said impulses to said adding means whereby the total of values represented by impulses transmitted from all of said stations may be determined.

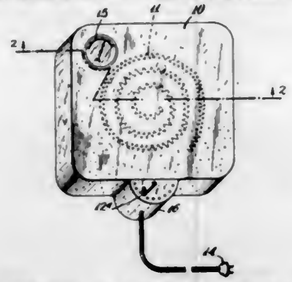
2,071,185
ELECTRIC CIRCUIT BREAKER
Carl Thumim, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application June 6, 1935, Serial No. 25,222
4 Claims. (Cl. 200—150)



1. An electric circuit breaker of the liquid blast type comprising relatively movable contacts, operating means having a lost motion connection with said contacts for effecting to a predetermined extent positive initial separation of said contacts, resilient means for independently biasing said contacts at a lower rate toward open circuit position after said initial separation, and pressure producing means operatively connected to said operating means for causing an arc-extinguishing blast of liquid across said contacts at a continuously high rate during both the initial and final separation thereof.

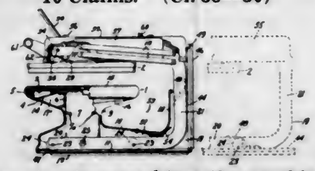
2,071,186
CHEMICALLY FILLED ELECTRIC BLOCK FOR MEDICAL HEAT TREATMENTS
Frank Tofano, Bronx, N. Y.
Application June 8, 1935, Serial No. 25,602
1 Claim. (Cl. 128—254)

A chemically filled block for medical heat treatments, comprising a block, mollifying, non-deleterious, chemical compounds having long-lasting skin penetrating qualities adapted to penetrate the skin and increase the circulation of the blood incorporated in said block, and an electrical heat unit within the block and controlled from the exterior, said block comprising cement, asbestos, sand and ashes formed into a plastic substance



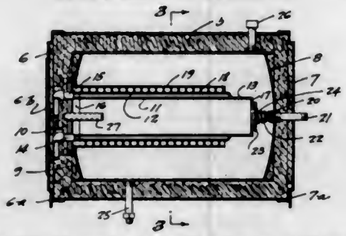
with the addition of a liquid to cause the cement to harden and then allowed to dry, said liquid consisting of a mixture of alcohol, vinegar and strained lemon juice.

2,071,187
IRONING MACHINE
Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application September 9, 1932, Serial No. 632,365
10 Claims. (Cl. 38—30)



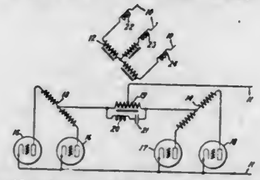
1. In an ironing machine, the combination of a buck, a support for the buck, a U-shaped frame adapted to occupy a position wherein its arms are above and below the buck, a shoe carried by the frame, means for moving the shoe toward and away from the buck, and a post between the buck and an arm of the frame through which the pressing force is transmitted.

2,071,188
CIRCULATING LIQUID COOLER
Robert O. White, Manhattan Beach, Calif.
Application February 12, 1935, Serial No. 6,162
21 Claims. (Cl. 62—141)



1. A liquid cooler comprising a storage compartment of relatively large size, a cooling unit therein submerged within the liquid being cooled, comprising a center passageway, an annular refrigerant compartment circumscribing the same, means for conducting liquid along a path in heat exchange relationship to the refrigerant compartment, and means for creating a flow of liquid through the central passageway and the heat exchange passageway to be discharged thereafter into the storage compartment.

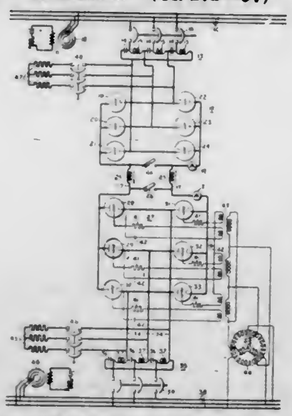
2,071,189
ELECTRIC VALVE CONVERTING SYSTEM
Clodius H. Willis, Princeton, N. J., assignor to General Electric Company, a corporation of New York
Application March 26, 1935, Serial No. 13,056
7 Claims. (Cl. 175—363)



1. The method of reducing the telephone interference factor in an electric valve converting system having a plurality of groups of valves associated with polyphase windings which are interconnected by a inductive winding which comprises increasing the effective inductive reactance of said apparatus in excess of the normal inductive reactance permissible for efficient operation, and introducing a capacitive reactance in parallel with said inductive windings for neutralizing at least such portion of said inductive reactance at the normal operating frequency as to maintain efficient operation of said system.

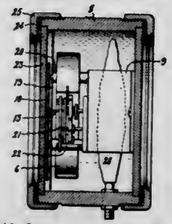
3. The combination of an electric valve converting apparatus including a plurality of groups of valves associated with polyphase networks, said groups of valves being interconnected by an inductive winding, means for introducing into said apparatus an inductive reactance to increase the reactance of said apparatus above the normal amount permissible for efficient operation, and means for introducing a capacitive reactance into said apparatus for neutralizing at least said increased reactance and a portion of said normal reactance at the normal operating frequency of said system whereby the telephone interference factor of said apparatus will be reduced.

2,071,190
ELECTRIC POWER TRANSMISSION
Clodius H. Willis, Princeton, N. J., and Burnice D. Bedford and Frank R. Elder, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application March 24, 1936, Serial No. 70,576
10 Claims. (Cl. 171—97)



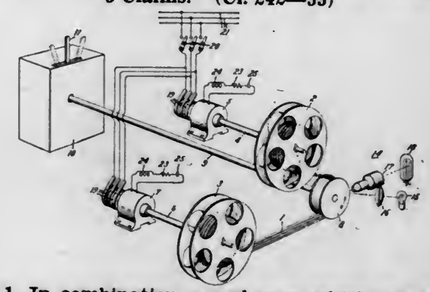
10. The method of initiating the operation of a transmission system of the type wherein energy is transmitted at constant direct current between alternating current circuits of constant voltage by means of electronic converting stations including monocyclic networks at the transmitting and receiving ends of the system which comprises short circuiting the direct current circuit at both ends of said system, then establishing a predetermined impedance load across the constant current circuit of each monocyclic network to cause a predetermined current to flow in the respective converter stations and associated circuits, then opening the short circuit at one end of said system and establishing a predetermined current flow in the direct current transmission circuit, then removing the impedance load at the converting station which establishes current in the transmission line, then removing the impedance load at the other converting station, and then increasing the current fed by the converter at the transmitting end until the converter at the receiving end swings over to inverter operation and supplies power to the receiving circuit.

2,071,191
DIFFERENTIAL PRESSURE OPERATED INSTRUMENT
Gaylord H. Wotring, West Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application April 1, 1936, Serial No. 72,108
5 Claims. (Cl. 73—109)



2. A differential pressure indicator comprising a Bourdon tube pressure gauge, a fluid tight housing therefor, a substantially non-compressible fluid filling said housing and surrounding said Bourdon tube, and a flexible fluid tight sack in said fluid connected to a pipe projecting through the wall of said housing, said sack being subjected to a secondary pressure which is transmitted to the outside of said Bourdon tube through said substantially non-compressible fluid.

2,071,192
APPARATUS FOR RECORDING OR REPRODUCING SOUND
Glen L. Younts, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 1, 1935, Serial No. 34,203
5 Claims. (Cl. 242—55)



1. In combination, a reel upon which one end of a flexible strip is arranged to be wound, a

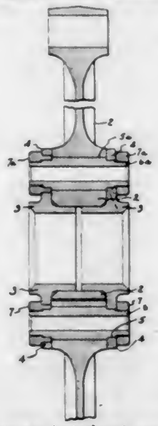
driving member arranged to engage the strip for alternately withdrawing it from the reel and for moving it toward the reel and a motor connected with said reel to apply a torque thereto for causing a substantially uniform tension at all times in said strip regardless of the direction of movement of the strip and the depth of winding of the strip on the reel, said motor having rotor and stator elements, one of said elements having means for producing a rotating field and the other of said elements having a winding provided with means for producing resonance at approximately zero motor speed.

2,071,193

CONNECTING ROD CONSTRUCTION FOR RADIAL TYPE INTERNAL COMBUSTION ENGINES

Glenn D. Angle, Cincinnati, Ohio

Application April 12, 1934, Serial No. 720,265
9 Claims. (Cl. 74—580)



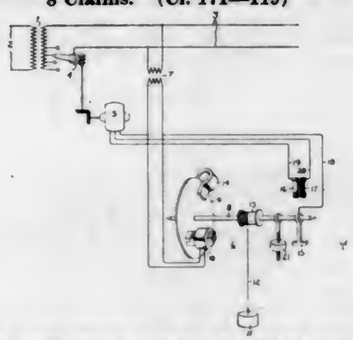
7. In a radial type internal combustion engine having a master connecting rod and link rods, said master rod having a crank pin bearing of ferrous metal shrunk thereto, and means extending from said bearing for engaging the link rods, said master rod and link rods being composed of a light, non-ferrous alloy.

2,071,194

AUTOMATIC REGULATOR CONTROL

Louis F. Blume and Salvatore Minneci, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Application August 23, 1934, Serial No. 741,167
8 Claims. (Cl. 171—119)



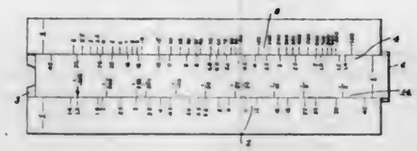
1. In a regulating system, a master controller adapted to initiate necessary plus and minus corrections in a quantity to be regulated in response to variations in said quantity, and means for introducing a positive time delay in the initiating action of said controller which varies substantially inversely with the magnitude of the variation of said quantity from a predetermined value.

2,071,195

SLIDE RULE

Edward Lindley Bowles, Wellesley Farms, Mass.

Application April 14, 1933, Serial No. 666,131
2 Claims. (Cl. 235—70)



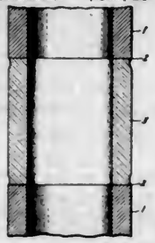
2. A photographic slide rule comprising a first fixed member having a first logarithmic scale, a second fixed member having a second logarithmic scale extending in the same direction as the direction of the first scale, a movable member having a third logarithmic scale substantially the same as the first scale and laid out in the same logarithmic units as the first scale but extending in a direction opposite to the direction of the first and second scales, the first and the third scales each comprising two consecutively arranged sections the divisions of which are numbered with the consecutive stop numbers of a camera lens diaphragm, the numbers of one of the sections being the consecutive stop numbers from 1 to 10 and the numbers of the other sections being the camera stop numbers from 10 to not exceeding 45, the sections being provided with such divisions only the said camera stop numbers of which are so related that the square of their ratio is the relative-exposure ratio for the two stops corresponding to said any two stop numbers, the logarithmic units of the second scale being such that a given length of the second scale contains twice as many units as the same length of the first scale or the third scale, the second scale comprising three consecutively arranged sections the divisions of which are numbered with the consecutive said relative-exposure ratios, the numbers of one of the said three sections being the said relative-exposure ratios from 1 to 10, the numbers of the next succeeding section of the said three sections being the said relative-exposure ratios from 10 to 100 and the number of the third section of the said three sections being the said relative-exposure ratios from 100 to not exceeding 1500, the third member having an index cooperating with the first scale, and the third scale being cooperatively related with the second scale so that the relative-exposure ratio of a given camera stop number on the first scale as indicated by the index and any one of the camera stop numbers on the third scale will be disposed on the second scale opposite the given camera stop on the third scale, the movable member having a further scale extending in the same direction as the first scale and laid out in logarithmic units such that a given length thereof contains one-half as many logarithmic units as the same length of the first scale, the divisions of the further scale being numbered with fractional relative-exposure ratios.

2,071,196

GLASS-TO-METAL SEAL

Emmett E. Burger and Albert W. Hull, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application January 4, 1934, Serial No. 705,250
8 Claims. (Cl. 49—81)



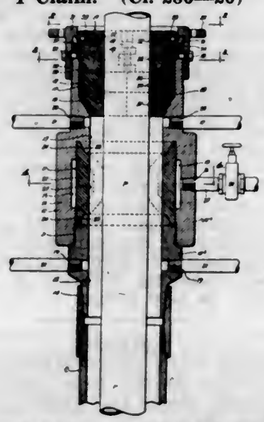
1. An article comprising glass welded to an alloy formed of cobalt, nickel, iron and chromium, said alloy having a thermal expansion characteristic, the transformation zone of which substantially coincides with that of said glass and which substantially corresponds in value and slope with the characteristic of said glass at temperatures at, above, and below said transformation zone.

2,071,197

BLOW-OUT PREVENTER

Erwin Burns, Los Angeles, and Harry P. Wickersham, Huntington Park, Calif.

Application May 7, 1934, Serial No. 724,295
1 Claim. (Cl. 286—26)



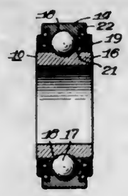
A head for a well comprising a lower body section to be applied to a well casing and having a passageway therethrough of uniform diameter, a circumferentially extending lip formed at the upper end of said body section having a flat end portion and an outer and downwardly tapered side wall terminating in a flat circumscribing shoulder, a threaded portion formed on the body section adjacent said flat circumscribing shoulder and substantially agreeing in outer circumference therewith, a cylindrical tubular packing sleeve of uniform wall thickness having an internal diameter substantially agreeing with the diameter of the bore through the lower body section and being formed at its lower end with a lip conforming to the lip and shoulder formed on the body section against which it seats, an upper section threaded at its lower end to engage the threads of the lower section and being formed with a main bore agreeing in diameter with the outside diameter of the tubular expanding packing and a reduced bore at its upper end agreeing with the inside diameter of the tubular expanding packing, a downwardly and inwardly tapered lip carried by the section having a bore of reduced diameter and forming a groove in combination with the wall of the large bore of said upper section, an upwardly extending lip formed on the tubular contractible member and seated within said section, an annular recess formed around the wall of the large bore of the upper section intermediate its ends whereby an annular space will occur around the median portion of the contractible tubular packing, the longitudinal width of said recess being less than the distance between the ends of the lips formed on the upper and lower sections and means providing for the introduction of fluid into said annular groove to distend the median portion of contractible packing.

2,071,198

BEARING

David F. Chambers, Lancaster, Pa., assignor to Bearings Company of America, Lancaster, Pa., a corporation of Delaware

Application August 12, 1935, Serial No. 35,783
5 Claims. (Cl. 308—187.2)



2. In a bearing having race members, an undercut circular recess in one of said members having a conical face and a radially disposed face spaced circular plates having peripheral flanges in overlapped relation in said recess one flange being elastically deformed to lock the other flange against the conical face in the recess, and lubricant impervious packing clamped between said plates having a surface in sealing contact with the other race member.

2,071,199

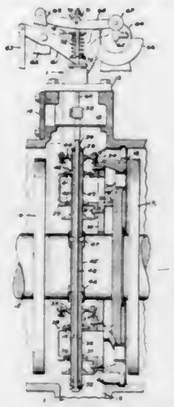
EXTRACTION ELASTIC FLUID TURBINE ARRANGEMENT

Edgar D. Dickinson, Beverly, Franklin R. Ericson, Marblehead, and Prescott G. Whittier, Lynn, Mass., assignors to General Electric Company, a corporation of New York

Application October 5, 1935, Serial No. 43,794
6 Claims. (Cl. 60—67)

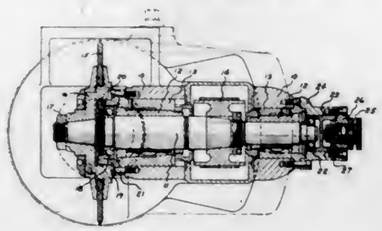
1. An extraction elastic fluid turbine arrangement including the combination of a turbine casing, a rotor having a plurality of bucket wheels disposed in the casing to form a plurality of consecutive stages, means for extracting elastic fluid from an intermediate stage, a diaphragm for directing the flow of elastic fluid within the casing from the extraction stage to the succeeding bucket wheel and means for controlling the flow of elastic fluid to the diaphragm in order to maintain constant a condition of the extracted fluid, said means comprising a disk disposed ahead of the diaphragm as regards the direction of flow of fluid, spacing means intermediate the diaphragm and the disk supporting the disk on the diaphragm and reducing deformations of the dia-

phragm and the disk, a plurality of pairs of valves for controlling the flow through said openings



and means for consecutively moving the pairs of valves.

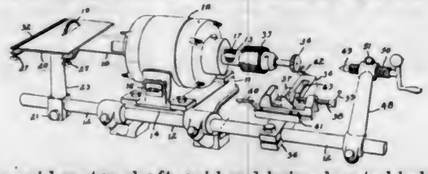
2,071,200
ROTARY SPINDLE MOUNTING
Alden M. Drake, West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y., a corporation of New Jersey
Application October 20, 1933, Serial No. 694,414
2 Claims. (Cl. 308—35)



1. A rotary spindle construction and mounting therefor comprising in combination, a head, a rotatably mounted spindle therein, spaced cylindrical bearings for said spindle, conical seats for said bearings adjustable axially to compensate for wear, driving means for said spindle disposed between the bearings, an anti-friction thrust bearing adjacent one end of the spindle, a collar member having a shoulder thereon secured to said head and housing said thrust bearing, a thrust bearing adjacent the opposite end of the shaft slidably supported within said head, and resiliently acting means to force said bearing and said spindle axially in a direction to force said thrust bearing against said shoulder.

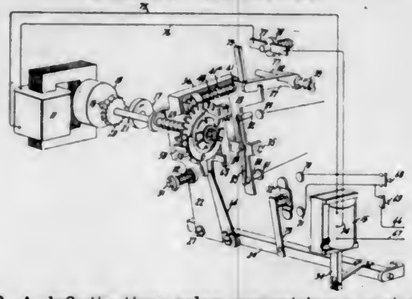
2,071,201
WORKSHOP UNIT
Theodore W. Frech, Shaker Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application August 10, 1933, Serial No. 684,524
7 Claims. (Cl. 29—27)

1. A workshop unit comprising a bed plate, an electric motor mounted on said bed plate and having a shaft, a rod for supporting various attachments rigidly mounted in said bed plate independently of the said motor and extending therefrom in a direction substantially parallel to



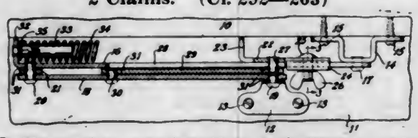
the said motor shaft, said rod being located below and to one side of said motor shaft.

2,071,202
DEFINITE TIME RELAY
Robert W. Goff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 2, 1935, Serial No. 43,249
8 Claims. (Cl. 200—97)



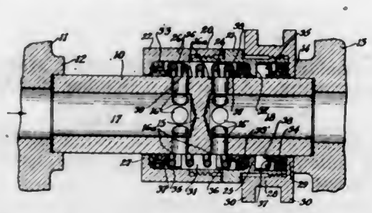
2. A definite time relay comprising a motor, a contact member, time adjustable means for operating said contact member a definite time after said motor is energized, a driving member associated with said motor, a driven member associated with said time adjustable means, said driving member and said driven member being normally out of driving relationship, means for operating said driven member into engaging relation with said driving member to establish said driving relationship, said operating means exerting a predetermined engaging pressure between said driving and driven members, and means for varying said engaging pressure in accordance with the load on said motor.

2,071,203
DOOR STAY CONSTRUCTION
Henry E. Hubbs, Shelby, Ohio, assignor to The Shelby Spring Hinge Co., Shelby, Ohio, a corporation of Ohio
Application February 26, 1936, Serial No. 65,851
2 Claims. (Cl. 292—263)



2. Door stay construction including a pair of arms pivoted together at one end and pivotally connected one to a door and one to a door frame, one of said arms having a longitudinal slot, a slide movably mounted on the upper side of said arm, means for frictionally securing said slide to said arm, a link pivotally connected at one end to the upper side of an intermediate portion of the other arm and extending under said slot, and a pin extending through said slot and pivotally connecting said link to said slide.

2,071,204
VALVE
Nathan C. Hunt, Salem, Ohio
Application January 4, 1935, Serial No. 315
19 Claims. (Cl. 251—8)



6. A valve including a tubular valve body having a transverse partition wall forming pressure and exhaust side compartments therein, there being ports in the tubular wall leading from each compartment, a sleeve mounted for movement on the valve body, there being an internal groove in said sleeve always communicating with said pressure side ports in "on" and "off" positions and establishing communication between all of said ports when the sleeve is in "on" position, two flexible channel-shaped packing rings located in said internal groove of said sleeve and having their open sides directed toward each other, a spreader ring for each packing ring, each spreader ring having openings therein communicating with the open side of a packing ring, and means urging the spreader rings against the packing rings to spread the legs of the packing rings.

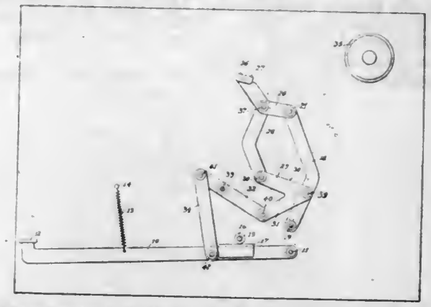
2,071,205
SCALP PROTECTOR
Lawrence N. Johnson, San Francisco, Calif.
Application October 2, 1935, Serial No. 43,251
3 Claims. (Cl. 132—36.1)



1. For use in a hair treating operation, a scalp protector comprising a flexible cellular base having cells extending across the base with open ends adjacent opposite sides of the base, and an absorptive pad carried by the base, there being a slot through the pad and through the base intersecting the cells of the latter intermediate the open ends thereof.

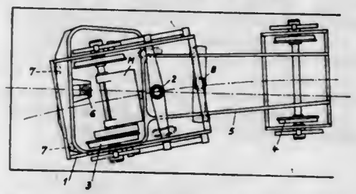
2,071,206
TYPE BAR FOR TYPEWRITERS AND THE LIKE
Seyed Khalil, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application January 21, 1936, Serial No. 60,025
13 Claims. (Cl. 197—27)

4. In combination, a platen, a type carrier bearing a type element, a key, a key lever supporting said key, linkage between said key lever and said type carrier for moving the latter from its normal position toward said platen, and a pivoted member interconnected with said linkage and said type carrier, and adapted to impart a pivotal movement of changing radii to said type carrier and a resultant rolling movement to said type as



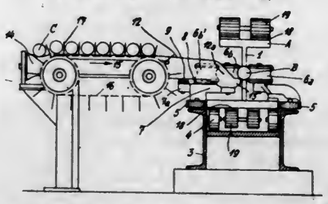
it approaches and comes into contact with the platen.

2,071,207
RAILROAD VEHICLE
Heinrich Knecht, Neuhausen, Switzerland, assignor to Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland, a corporation of Switzerland
Application April 17, 1935, Serial No. 16,760
In Switzerland April 17, 1934
2 Claims. (Cl. 105—165)



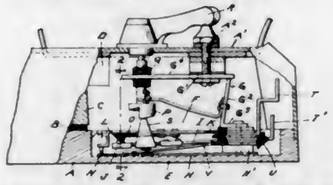
1. A vehicle running on rails comprising an underframe, two sets of axles, each of said sets forming a truck and each comprising two truck frames, an axle arranged in each trunk frame, said truck frames being pivotally interconnected at a point between the axles, and one of said truck frames being coupled to the underframe of the vehicle at a point outside the axles, and the other of said truck frames being coupled to the underframe of the vehicle at a point between the axles.

2,071,208
PUSH BENCH DRIVE
Károly Korbuly, Csepel, Hungary, assignor to firm Alfina Immobilien-Finanzierungs- & Verwaltungs A. G., Glarus, Switzerland
Application March 2, 1936, Serial No. 66,755
In Hungary October 9, 1934
3 Claims. (Cl. 205—4)



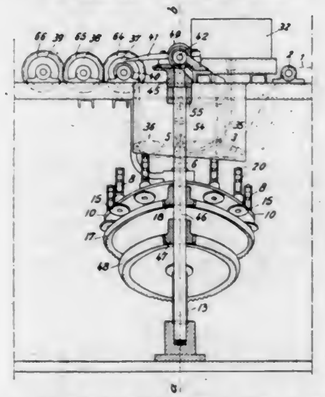
1. In a push bench, a driving rack bar of I-cross section, guide rollers and driving pinions both acting on the outer surfaces of the flanges of said driving rack bar, and a ram connected to the web of the said driving bar.

2,071,209
THERMOSTAT
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application November 5, 1934, Serial No. 751,594
14 Claims. (Cl. 200—39)



2. A thermostatic switch comprising a supporting bracket, a pair of cooperating spring contact members and a shielding bi-metal thermostatic bar arranged in parallelism and each mounted at one end upon said supporting bracket and insulated therefrom and from each other, the contact member farthest removed from said bar having its free end in mechanical connection therewith to be actuated thereby when the latter is warped by heat and being biased to move in a direction opposite to the direction of warping, the intermediate contact member being biased to move in the opposite direction to follow its cooperating contact member, a finger on said intermediate contact member insulated therefrom and projecting beyond the other contact member, and a rotary cam mounted on said bracket member in the path of said finger to arrest movement of the same and to separate said contact members at different points in the movement of said thermostatic bar.

2,071,210
MANUFACTURE OF WIRE NETTING
Wilhelm Krämer, Emmerich, Germany
Application January 9, 1936, Serial No. 58,386
In Germany October 9, 1933
18 Claims. (Cl. 140—112)

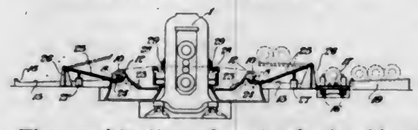


1. In a machine for making wire netting with longitudinal and transverse wires electrically welded at their crossings, a welding member, a bobbin for wire for the transverse wires, a wire-gripper, means for bringing the bobbin and wire-gripper together on opposite sides of a plane extending through the longitudinal centre line of the netting perpendicular to the latter, means for operating the gripper to grip the end of the wire on the bobbin, and means for moving the bobbin and the gripper towards opposite edges of the netting and also towards the plane of the netting so that the transverse wire is brought between the longitudinal wires and said welding member.

2,071,211
SOLDER
Cleveland J. McKinney, Hillsdale, Mich.
No Drawing. Application October 19, 1936, Serial No. 106,453
1 Claim. (Cl. 75—134)

A solder consisting of the following ingredients in the following proportions, tin 48%, lead 48%, and copper 4%.

2,071,212
ROLLING MILL
Edwin E. Moore, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
Application May 2, 1933, Serial No. 669,043
10 Claims. (Cl. 80—32)



1. The combination of a stand of cold rolls, a plurality of reels individually provided with mounting bearings and constructed to carry metal strip in coiled form, means on either or both sides of said stand for mounting said reels by their bearings for passing their carried strip through the stand, means for receiving and storing said reels from said mounting means, and means for delivering said reels to said mounting means, the third named means being arranged above the second named means at a sufficient height to permit functioning of the latter.

2,071,213
BLADDER ATTACHMENT TO VALVES OF INFLATED ARTICLES AND THE LIKE
Ira D. Perry, Muskegon, Mich.
Application February 2, 1935, Serial No. 4,639
9 Claims. (Cl. 273—65)

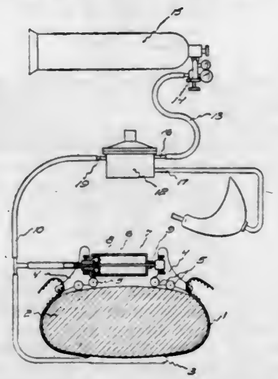


1. As a new article of manufacture, an air valve for the purpose specified, including a stem of rubber and having a longitudinally extending air passage therethrough, and also having an encircling groove around its central portion, said groove being of relatively small or narrow or restricted angle, together with a ring of elastic material having a central opening of normally smaller size than the root of the groove and having the edge of said central opening of normally larger or broader angle than the angle of the groove, whereby when the ring is stretched to enlarge the opening thereof sufficiently to permit insertion of said ring over the stem of the valve the opening of the ring is enlarged and the thickness of the material of the edge of the opening is reduced and the angle of said edge is reduced to permit entry of the edge of the ring opening into the groove, and whereby when the ring is thereafter permitted to contract into the groove the edge portion of the ring opening becomes thicker and its edge angle enlarges or broadens to thereby firmly engage the groove, substantially as described.

2,071,214
PROCESS FOR THE MANUFACTURE OF RUBBER COMPOSITIONS FROM LATEX AND LIKE AQUEOUS RUBBER DISPERSIONS
Ugo Pestalozza, Milan, Italy, assignor to Societa Italiana Pirelli, Milan, Italy
No Drawing. Application October 26, 1934, Serial No. 750,206. In Great Britain October 30, 1933
12 Claims. (Cl. 106—23)

1. A process for the direct manufacture from aqueous rubber dispersions of rubber compositions and goods, which consists in adding a hydratable magnesium oxide in quantity sufficient to toughen the rubber, coagulating the dispersion before the hydration of the oxide therein is complete, and allowing the wet coagulum to stand for a sufficient period of time to effect complete hydration of the oxide and drying the coagulum.

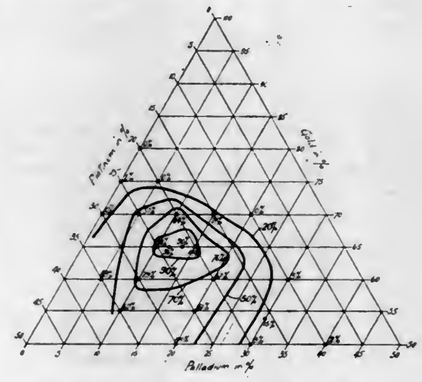
2,071,215
ARTIFICIAL RESPIRATION APPARATUS
Peter Petersen, Lund, Sweden
Application September 14, 1935, Serial No. 40,644
In Sweden October 15, 1934
12 Claims. (Cl. 128—28)



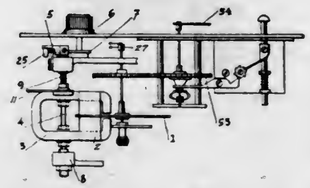
1. An apparatus for producing artificial respiration, comprising in combination a girdle adapted to be adjusted around the thorax of a patient, means operable by pressure impulses in a working fluid for expanding and tightening the girdle, and means operable by the same pressure impulses in the same working fluid for raising the back of the patient while resting on his back, in the region of the thorax in order to cause flexion of the vertebral column of the patient in that region alternately with compression of the thorax through tightening of the girdle.

2,071,216
PRECIOUS METAL ALLOYS
Alan Richard Powell and Ernest Robert Box, London, England, assignors to Johnson Matthey & Company Limited, London, England, a British company
Application July 11, 1935, Serial No. 30,914
In Great Britain May 13, 1935
18 Claims. (Cl. 148—32)

1. An alloy composed of 50 to 75% of gold, 40 to 15% of platinum and 5 to 25% of palladium hardened by heat treatment comprising annealing at a temperature above 1000° C. but below the melting point of the alloy to obtain homogeneity, quenching and reheating at a temperature within the range of from 500° to 750° C. for a time sufficient to produce the desired hardness.



2,071,217
CALIBRATING METER HAVING A PLURALITY OF CONSTANTS
Ernest Reich and Franz Zipernovszky, Budapest, Hungary
Application July 6, 1935, Serial No. 30,200
In Hungary July 7, 1934
3 Claims. (Cl. 171—34)

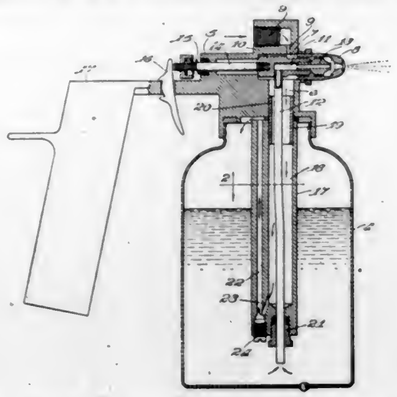


1. A calibrating meter having a plurality of constants, comprising a brake disc, at least one brake magnet movable from the exterior, an eccentric determining a curved path through which the said magnet can be moved, the curvature of the said eccentric determining a proportional scale, and a pointer connected with the said magnet for reading off the constants on said scale, and adapted to be set to a desired constant.

2,071,218
LIQUID DISPENSING DEVICE
George G. Reid, Chicago, Ill.
Application May 18, 1936, Serial No. 80,425
2 Claims. (Cl. 299—89)

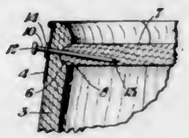
1. A liquid dispensing device comprising a container for the liquid, a closure for the container, flow-controlling means for the liquid and comprising a movable part, a tube carried by said movable part and extending downwardly into said container and through which the liquid is discharged therefrom, means for conducting fluid pressure into said closure means, and a conduit in communication with said second-named means and surrounding said tube with a space therebetween permitting said tube to

move with said first-referred-to means and fluid pressure to flow through said conduit, said con-



duit having an outlet communicating with said container adjacent the upper end of the latter.

2,071,219
CONTAINER
Clarence P. Reis, Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application August 2, 1935, Serial No. 34,429
1 Claim. (Cl. 217—76)



A container of the barrel or keg type composed of a plurality of wooden stave elements, a metal hoop surrounding said stave elements adjacent at least one end of said container, a wooden head member disposed within that portion of said container surrounded by said hoop, and driven fastenings at spaced intervals around the circumference of said container constituting the holding means for securing said head in said container, said fastenings each comprising a shank portion, a head portion and a stop-shoulder portion spaced inwardly from said head portion, said shank portion extending through said metal hoop and said stave elements and into said container head member and said stop-shoulder being seated against said metal hoop and serving to space the head of said fastenings substantially away from said metal hoop to permit ready engagement by an extracting tool.

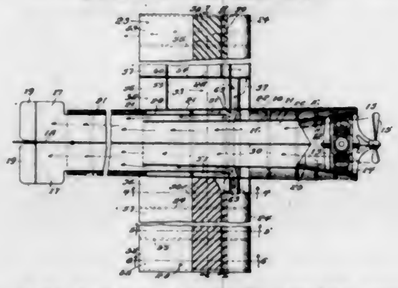
2,071,220
SKI
Otto Eugèn Schniebs, Hanover, N. H.
Application July 9, 1935, Serial No. 30,525
4 Claims. (Cl. 208—184)

1. A ski having an upwardly curved fore section, a normally upwardly bowed mid-section and a rear section, the extreme rear end of which is curved upwardly and rounded at the sides and end, there being a groove formed in the bottom of the ski and extending longitudinally thereof along the mid-section, the fore section including a relatively long flat uninterrupted plane under surface in advance of said groove, and said rear section including a relatively short flat uninter-



rupted plane under surface to the rear of said groove.

2,071,221
AIRPLANE
Albert Schramm, Astoria, N. Y.
Application August 6, 1935, Serial No. 34,961
3 Claims. (Cl. 244—73)

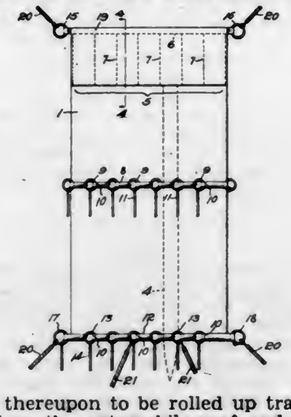


1. In an airplane, a tubular fuselage forming a Venturi tube, hollow wings, a diaphragm mounted substantially centrally in each wing to divide the wing into upper and lower compartments, division walls disposed obliquely to the diaphragm and merging with the diaphragm at the rear end, the division walls diverging forwardly to a point adjacent the leading edge of the wing and sub-dividing the upper and lower compartments into forward and rear compartments, and means establishing communication between the atmosphere and the fuselage through said forward compartment whereby banked-up air at the leading edge of the wing is withdrawn through the wing by the Venturi tube effect of the fuselage.

2,071,222
SKI MAT
Raymond E. Ashley, Waban, Mass.
Application February 25, 1936, Serial No. 65,580
2 Claims. (Cl. 224—29)

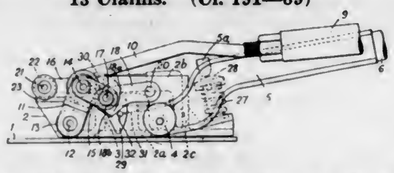
2. A carrier for skis comprising a textile mat of generally rectangular form positionable flatwise upon an automobile roof, said mat being sufficiently flexible to conform itself throughout its area to the contour of the roof, said mat having adjacent one end a transverse series of receiving formations for one end of each of the skis to be carried, said formations arranged to hold the skis laterally and in one direction lengthwise the skis; a series of ties transversely of the

mat and cooperating tie-receiving means for securing the free ends of the ties in position to retain the skis flatwise on the mat and in general longitudinal parallelism with it, said mat adapted to be spread flatwise while apart from the automobile, for the reception and attachment of the



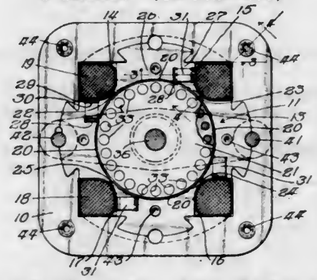
skis and thereupon to be rolled up transversely, deposited on the automobile roof and there unrolled without displacing the skis and adapted to be reversely dismounted; and means for quickly and detachably securing the mat and its carried skis in spread position upon the automobile roof.

2,071,223
CURRENT-COLLECTOR MECHANISM FOR ELECTRICALLY PROPELLED VEHICLES
Malcolm Foerster Lambe Aymé Aymard, Hove, England
Application August 16, 1934, Serial No. 740,165
In Great Britain August 19, 1933
13 Claims. (Cl. 191—89)



1. Current-collector mechanism of the character described, comprising a collector, a boom, a mounting for said collector pivotally attached to said boom, spring means tending to swing said mounting about its pivot to cause the collector to move upwardly with respect to the boom, further spring means normally tending to urge the said boom upwardly so that the collector is applied to an overhead wire with sufficient pressure to overcome the action of said first-mentioned spring means, a connection from one end of said further spring means to the boom, a connection from the other end of said further spring means to an element capable of movement under the action of the said further spring means in a direction for rendering the latter inoperative for urging the boom upwardly, a retaining member normally holding said element against such movement in a position in which the further spring means are operative, and a connecting member extending from the mounting for the collector to the said retaining member and arranged so that upward movement of the collector relatively to the boom, such as occurs on the said collector leaving the overhead wire, will disengage the retaining member from the movable element and thus render the said further spring means inoperative, fluid-operated means for returning the said element to its normal position and means for supplying a fluid under pressure to said fluid-operated means when it is desired to return the said element and re-set the mechanism.

2,071,224
SHADED POLE INDUCTION MOTOR
Earle W. Ballentine, Chicago, Ill., assignor to Solar Industries, Inc., Chicago, Ill., a corporation of Illinois
Application July 29, 1935, Serial No. 33,752
3 Claims. (Cl. 172—278)



1. An induction motor of the shaded pole type, having at least four poles, including: a rotor; a stator having poles of a width less than 75% of the diameter of said rotor, an integral magnetic bridge the narrowest portion of which is from 1½ to 5% of the diameter of said rotor and a shaded portion of each pole of a width of from 20 to 30% of the width of the entire pole; and a field coil.

2,071,225
TAPE MEASURE
John Buttigieg, Elgin, Ill.
Application April 4, 1936, Serial No. 72,815
2 Claims. (Cl. 33—138)

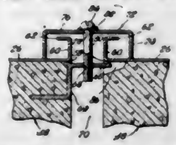


1. A measuring tape comprising a casing having a slot, a housing located in said casing and having a slot aligning with the first-named slot, a beading engaging the walls of the second-named slot and embedded in the casing to anchor the housing in the casing, said housing including a removable wall and a fixed wall having a slot, bendable tongues formed on the removable wall and extending through the slot of the fixed wall and bent in engagement therewith, a drum journaled on said tongues, a measuring tape wound on and secured at one end to the drum and its other end extending through the slots of the casing and housing and having its free end enlarged, and a holding dog for the drum.

2,071,226
COPING
Andrew Durr, Chicago, Ill.
Application July 8, 1936, Serial No. 89,634
10 Claims. (Cl. 72—88)

1. In a building wall, a coping comprising a series of units, each of said units comprising a body of concrete material enclosed within a me-

tallic covering, said metallic coverings being shaped to provide a water deflecting flange extending over one side of the building wall, and



connecting means between the ends of the units including means for rendering the connections moisture tight.

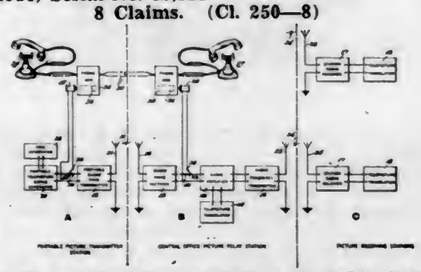
2,071,227

PORTABLE TELECOMMUNICATIONS SYSTEM

William G. H. Finch, New York, N. Y.

Original application February 26, 1936, Serial No. 65,869. Divided and this application May 18, 1936, Serial No. 80,313

8 Claims. (Cl. 250—8)



1. In a telepicture system, a portable transmitter, comprising means for generating picture signals in accordance with the shading of a picture to be transmitted, means for inducing said signals into one end of a telephone line at a subscriber station, means for generating a radio carrier wave including means for modulating said carrier wave in accordance with picture signals, means for radiating the modulated carrier wave, means for selectively connecting said inducing means and said means for generating the carrier wave to said picture signal generator for correspondingly transmitting said picture signals; a radio station comprising means for receiving said transmitted signals and means for simultaneously re-radiating said picture signals as a modulated second radio frequency carrier wave of greater power.

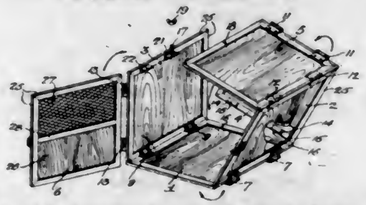
2,071,228

COLLAPSIBLE SHIPPING BOX

Charles A. Gehret, East Norriton Township, Montgomery County, Pa.

Application June 10, 1936, Serial No. 84,560

4 Claims. (Cl. 217—14)



1. A box structure comprising a floor panel, side panels hinged to opposite edges of the floor panel and adapted to be folded from the normal extended positions flatly against the upper and lower faces of the floor panel respectively, a top panel hinged to the upper edge of the last-mentioned side panel and adapted to be folded flatly against the inner face of said side panel, a back panel hinged to the rear edge of the top panel and adapted to be folded over against the upper face of the latter panel, means at the lower edge of said back panel for interlocking engagement with the rear end of the floor panel, means for clamping a free edge of the top panel to the top of the first-mentioned side panel, a door panel hinged to the front edge of the said first-mentioned side panel and adapted to be folded rearwardly against the outer face of said panel, and means for fastening said door panel in position at the forward edges of said floor, top and side panels to thereby close the box.

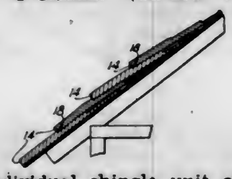
2,071,229

ROOFING OR LIKE ELEMENT

Otto A. Heppes, La Grange, Ill., and Lester Kirschbraun, New York, N. Y., assignors to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

Original application May 20, 1931, Serial No. 538,772. Patent No. 1,989,554, dated January 29, 1935. Divided and this application January 28, 1935, Serial No. 3,854

4 Claims. (Cl. 108—7)



1. An individual shingle unit adapted to be laid with other similar units in overlapping courses, comprising a waterproofed fibrous foundation, a coating of asphalt over the entire area of one face of said unit, a layer of grit partially embedded in said coating, a second narrower layer of asphalt coating overlying the said layer of grit, a second layer of grit partially embedded in said second layer of coating, the upper marginal edge of said second layers of coating and grit terminating short of the first named coating but above the line marking the overlap of units of the next succeeding course, the lower marginal edge of said second layers of coating and grit terminating at the butt edge without covering the said edge whereby to provide an unsealed butt edge for the unit.

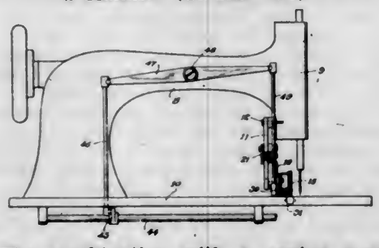
2,071,230

PINKING ATTACHMENT

Emil F. Horn, Long Island City, N. Y.

Application August 6, 1935, Serial No. 34,953

2 Claims. (Cl. 112—124)



1. The combination with a sewing machine having a feed rock shaft adapted for actuation of a sewing feeder mechanism, of a pinking wheel operated from said shaft in synchronism with said sewing feeder mechanism and means for raising and lowering said pinking wheel respectively from and to effective position and comprising a swingable resilient arm including an operating lever associated therewith and latch means on said lever adapted to hold said pinking wheel in either position.

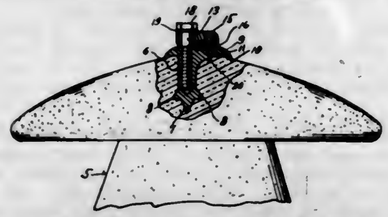
2,071,231

INSULATOR

Robert D. Jones, Kramer, via Hinkley, Calif., assignor to Georgia H. Duncan, Kramer, via Hinkley, Calif.

Application October 8, 1934, Serial No. 747,434

5 Claims. (Cl. 173—313)



1. An insulator comprising a dielectric body adapted for attachment to a support, a conductor wire clamp including coacting removable and fixed jaws the latter being anchored to the dielectric body, said fixed jaw comprising a head formed with a recess on the face confronting the dielectric body, a socket member depending from the head in eccentric relation with respect to the recess, and said recess and said socket member being in contact with the dielectric body.

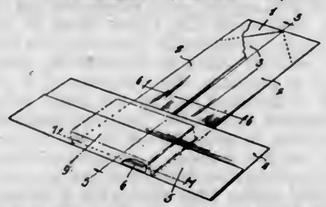
2,071,232

WRAPPER FOR BOOKS AND OTHER MERCHANDISE

Lulu W. Langehennig, Oklahoma City, Okla.

Application September 3, 1935, Serial No. 39,061

5 Claims. (Cl. 229—87)



2. A wrapper comprising an elongated section of thin flexible material, and a second section of thin flexible material disposed transversely across the first section and secured thereto only at the end edge of the first section with its end portions projecting from opposite sides of the first section whereby the second section may be folded longitudinally to provide a predetermined width and the extended end portions of the second section folded inwardly over an article disposed upon the superimposed portions of the two sections and the first section then wrapped about the article and the folded second section.

2,071,233

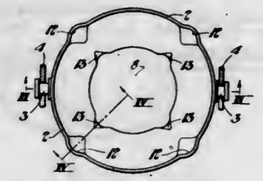
WELDED ROLLED STEEL CINDER POT

Fritz C. Merk, Sharon, Pa.

Application June 13, 1936, Serial No. 85,157

2 Claims. (Cl. 266—39)

1. A welded rolled steel cinder pot comprising a body member, said body member provided with flared portions at each end tapering toward the center of said body member, lugs formed on one end of said body member, a bottom closure plate



for said body member provided with a plurality of openings and means extending through said openings adapted to secure said bottom closure plate to said lugs.

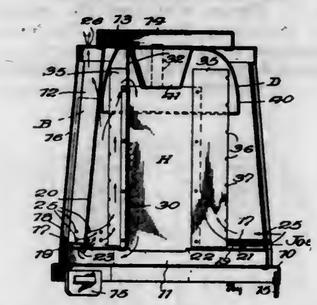
2,071,234

ELECTRIC TOASTER

Josiah L. Merrill, Elmhurst, N. Y.

Application August 21, 1934, Serial No. 740,828

11 Claims. (Cl. 219—19)



1. An electric heater comprising a casing provided with a toasting chamber having air inlets and air outlets, means for supporting bread within said chamber, means for providing a vertically disposed air channel, electric heating means encircling said air channel, deflector means located above said heating means and said air channel in such a position as to direct the convection currents which normally travel upwardly along the heating means into the upper end of said channel, and means for conducting air from the lower end of said air channel to the lower portion of the toasting chamber at a position between the heating means and the bread holding means, said air inlets and said air outlets, together with said central channel, said deflector means and the means for conducting air from the lower end of said channel, being so constructed and arranged as to provide a continuous convection stream from the inlets to the outlets.

2,071,235

CAM AND LEVER STEERING GEAR

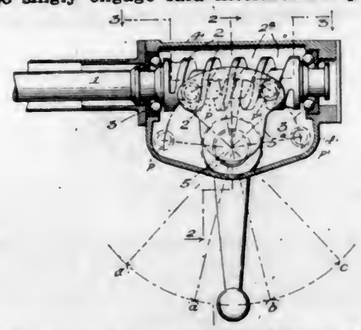
Percy A. Newman, Lafayette, Ind., assignor to Ross Gear & Tool Company, Lafayette, Ind., a corporation of Indiana

Application October 11, 1935, Serial No. 44,603

4 Claims. (Cl. 74—497)

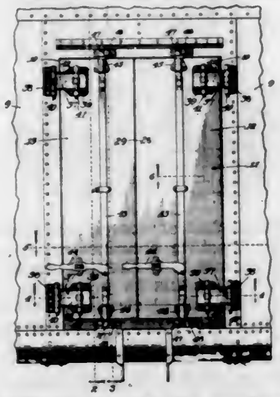
1. In a steering gear, a steering shaft provided with a cylindrical cam having two spaced portions of the same axial lead and an intermediate portion of lesser axial lead, a rocker arm pivoted in juxtaposed relationship to said cam, the said arm having two followers thereon, the said followers being spaced to simultaneously engage the

portions of said cam having the same axial lead and to singly engage said intermediate portion



when the other of said followers is out of effective engagement with said cam.

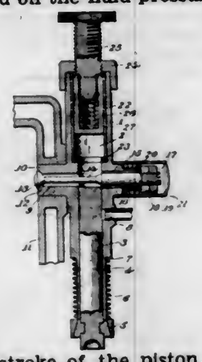
2,071,236
REFRIGERATOR CAR
Raymond C. Pierce, Chicago, Ill., assignor to General American Tank Car Corporation, a corporation of West Virginia
Application January 26, 1935, Serial No. 3,671
9 Claims. (Cl 20—21)



1. In a refrigerator car, the combination with its wall having an opening, of a door for said opening formed of separate sections, packing between said door and the wall of said opening and between the meeting edges of said sections, and means hingedly connecting said sections with said wall and adapting said sections at each longitudinal edge portion for automatic adjustment against said packing and means coacting with each door-section substantially midway of the longitudinal edges thereof to clamp said edge portions with equalized pressure against said packing.

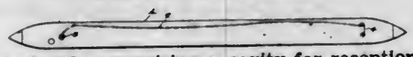
2,071,237
FUEL INJECTOR FOR DIESEL ENGINES
Tom Rupprecht, Indianapolis, Ind.
Application August 16, 1934, Serial No. 740,171
3 Claims. (Cl. 299—107.2)

2. A fuel injector for internal combustion engines comprising a housing formed with both a pump cylinder and a control chamber radiating therefrom and with a lateral nipple formed with an axial passage having a valve seat at its outer end, the pump cylinder and control chamber being in communication with said passage, a piston in the pump cylinder, the latter having a fuel supply port communicating with the interior of the cylinder but closed by the piston during part of its stroke, a piston in the control chamber and spring pressed toward the pump piston to yield on the fluid pressure produced by



the inward stroke of the piston, an adjustable stop to limit the movement of the control chamber piston against the pressure of its spring, and a spring actuated valve engaging the seat in said nipple to close the passage but responsive to fluid pressure within the passage.

2,071,238
SHUTTLE
Allan M. Sergeson, Philadelphia, Pa.
Application January 2, 1935, Serial No. 142
1 Claim. (Cl. 139—198)

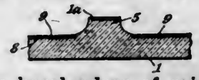


A shuttle comprising a cavity for reception of a yarn cop, a stiff but flexible cover-plate extending longitudinally of the shuttle in a normal plane at the top of said cavity and having at one end an angularly offset section extending downwardly into and to a point adjacent the bottom of said cavity, said offset section and an adjoining portion of the plate being of reduced width, means for pivotally securing the inturned extremity of said plate to the shuttle, means for releasably anchoring the opposite end of said plate, the said offset end of the plate constituting a retaining means for the inner extremity of a cop clamped in said shuttle by the cover-plate, and said section having a smooth surface free from projections for non-abrading contact with the cop and being provided with a pressed-out longitudinal reinforcing rib projecting from the outer face of the plate and extending substantially over the entire length of said portion of the plate of reduced width and embracing the area of maximum stress to which the plate is subjected.

2,071,239
SIGN PLATE AND OTHER ORNAMENTAL PANEL
William H. Spencer, New York, Leslie R. Birdsall, Long Island City, and William Bahler, New York, N. Y., assignors to The Frink Corporation, Long Island City, N. Y., a corporation of Delaware
Application March 15, 1935, Serial No. 11,222
7 Claims. (Cl. 40—136)

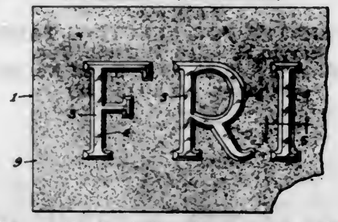
3. A light-transmitting sign plate having portions of relatively greater thickness presented forwardly from and surrounded by portions of relatively lesser thickness to form characters in

relief, said characters in relief being enlarged in cross-sectional area from top to bottom and provided with light-diffusing side walls, and an opaque layer covering the general surface of the portions of relatively lesser thickness and termi-



nating at the basal edges of said side walls to define enlarged light-apertures in the front surface of said portions of lesser thickness for light rays entering said relief characters from the rear surface of the sign plate.

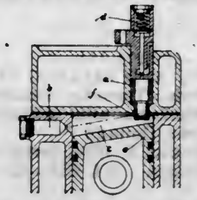
2,071,240
METHOD OF MAKING SIGN PLATES AND LIKE ORNAMENTAL PANELS
William H. Spencer, New York, Leslie R. Birdsall, Long Island City, and William Bahler, New York, N. Y., assignors to The Frink Corporation, Long Island City, N. Y., a corporation of Delaware
Application January 29, 1936, Serial No. 61,258
9 Claims. (Cl. 41—21)



9. The method of forming a plate glass sign from an integral slab of plate glass, which method consists in covering a portion of one face of the plate glass slab with sand-blast resist shaped to conform to the top surface of a lens-like relief character to be formed in said slab, in subjecting the uncovered areas of the plate glass to a primary sand-blasting operation for reducing the thickness of portions of the plate glass slab corresponding to said uncovered areas and to form lens-like bodies of glass protruding above the general surface of the reduced thickness portions and provided with roughened concavely bevelled side walls merging below into said general surface of the reduced thickness portions, in applying a protective layer of sand-blast resist to said roughened side walls, in trimming the bottom marginal edges of said protective layer to define the basal outlines of the side walls substantially in the general surface of said portions of reduced thickness, in subjecting the reduced thickness portions of the plate glass slab to a secondary sand-blasting operation for further reducing the thickness of said reduced thickness portions and forming an abrupt shoulder for defining the basal outlines of said roughened side walls, in applying a layer of electrolytic conductor to the surface of the slab portions surrounding said abrupt shoulder, and finally in electroplating said conductor.

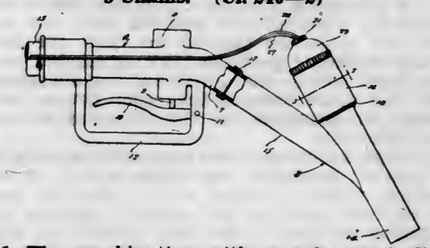
2,071,241
INTERNAL COMBUSTION ENGINE
Kurt Thomas, Baden, Germany, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application February 5, 1934, Serial No. 709,885
In Germany February 13, 1933
15 Claims. (Cl. 123—32)

1. In an internal combustion engine a main combustion space, a precombustion chamber, a fuel nozzle for injecting the fuel into the precombustion chamber, an air reservoir separated from the precombustion chamber by the main combustion space, a throttling opening between the precombustion chamber and the main combustion space, a further throttling opening between the air reservoir and the main combustion



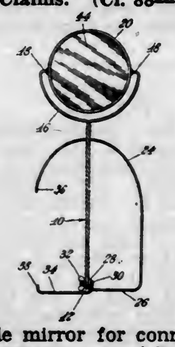
space, the two throttling openings being directed substantially towards one another, so that the jet of highly heated fuel emerging from the throttling opening of the precombustion chamber after traversing the main combustion space meets the substantially oppositely directed stream of air emerging from the air reservoir.

2,071,242
ILLUMINATED FILLING NOZZLE
Harlan C. Todd and Paul R. Todd, Martin, S. Dak.
Application March 19, 1935, Serial No. 11,847
5 Claims. (Cl. 240—2)



1. The combination with a valve controlled filling nozzle of a Y-shaped pipe fitting including a stem and two branches, one of said branches being disposed on the same axis as the stem, the end of the other branch being adapted for attaching to the filling nozzle, and an electric light mounted and confined solely in the other branch for directing light into the stem.

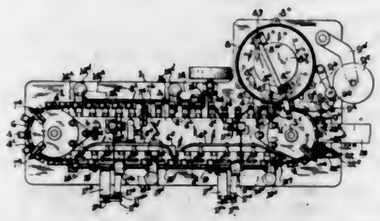
2,071,243
REFLECTOR
John S. Tripp, Chicago, Ill.
Application March 14, 1934, Serial No. 715,529
3 Claims. (Cl. 88—101)



3. A portable mirror for connection with the body of the wearer, comprising a reflector, a

standard movably connected with the reflector, and a single hook shaped to partly encircle the neck of the wearer and including a transverse bracing reach lying in the same plane as the hook and having pivotal connection between its ends with the lower end of said standard, said bracing reach being arranged to rest upon the breast of the wearer.

2,071,244
BAG MAKING AND FILLING MACHINE
Victor G. Williams, Toronto, Ontario, Canada, assignor to Delamere and Williams Limited, Toronto, Ontario, Canada
Application February 8, 1934, Serial No. 710,294
37 Claims. (Cl. 226—53)



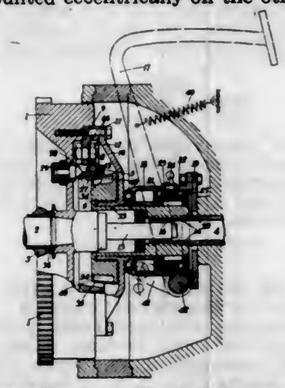
1. A packaging machine comprising means for advancing a plurality of separate bags; two devices for attaching tags to the bags, the said means including provisions for advancing certain bags only to one device and for advancing only the other bags to the other device; and means for operating the tag attaching devices simultaneously.

5. A packaging machine comprising a plurality of nozzles; means for advancing a strip of bag making material doubled over on itself to pass on opposite sides of the nozzles; grippers for engaging portions of the strip around the nozzles; means for cutting the strip transversely between two grippers to form bag sections carried by the grippers; and means for feeding material successively into the bag sections through the nozzles.

24. A packaging machine including means for advancing a strip of bag making material doubled over on itself; grippers for engaging portions of the strip; means for moving the grippers at substantially the same speed as the strip; a knife for cutting the strip transversely between two of the said grippers to form bag sections carried by the grippers; means for reciprocating the knife longitudinally of the said strip; means for reciprocating the knife transversely of the strip into and out of its path; and means for actuating the knife to cut the strip while the knife is moving with the strip.

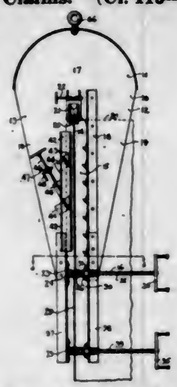
2,071,245
CLUTCH
Joseph Zarb, London, England
Application November 2, 1933, Serial No. 696,417
In Great Britain March 14, 1933
12 Claims. (Cl. 192—66)

1. A mechanism for establishing a connection between two members, one of which is a rotating shaft, comprising a cone mounted on one member, a plurality of pins fixed in relation to said member, a member having a plurality of non-circular apertures fixed to said cone, said pins engaging within said apertures and having limited movement in relation thereto in all directions normal to the axis of said cone, a cone adapted to engage with said first mentioned cone and mounted eccentrically on the other member,



and means for imparting axial movement to one of said cones.

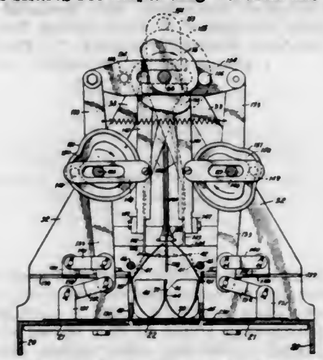
2,071,246
APPARATUS FOR ERECTING TANKS
Marvin K. Allen, Houston, Tex.
Application March 21, 1933, Serial No. 661,995
8 Claims. (Cl. 113—99)



1. A device for use in erecting tanks including a frame, means to support said frame on the tank plates assembled for welding, means on said frame to clamp said plates in vertically aligned position to be welded, and additional means to clamp said frame to the previously erected plates to maintain such alignment.

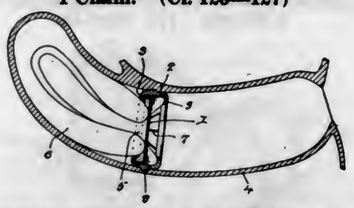
2,071,247
CARTON CLOSING MACHINE
Leon Benoit, New York, N. Y., and Clifford C. Moth, Tenafly, N. J.; said Moth assignor to said Benoit
Application January 8, 1936, Serial No. 58,106
40 Claims. (Cl. 93—2)

28. In a carton closing machine adapted to close duplicate upstanding cover flaps of a carton, the combination of a table, an endless conveyor moving longitudinally of the table, a pair of arresting blades mounted to move transversely of the conveyor and lift a carton therefrom in the first operating position, a pair of like blades adapted to lift a carton in the second operating position, a cam shaft extending longitudinally above the center of the conveyor, a swinging arm depending from the cam shaft and pivoted thereon and having an anvil at its lower end, a dating stamp positioned to coact with said anvil in making an imprint on the interposed surface of a carton closing flap, a gluing roll carried by said arm and adapted to impinge against the surface of the companion carton flap, gluing means for imparting glue to said roll, cams on the cam shaft and connections for actuating the carton arresting blades, cam mechanism for actuating the swinging arm, a pair of swinging frames located adjacent the second operating position and pivoted upon the cam shaft, a forming plate slidably mounted in each of said frames, means on the cam shafts for imparting vertical movements



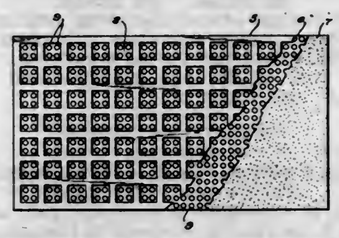
to the forming plates, a presser head suspended from the cam shaft and a cam thereon for actuating the presser head, cams and connecting members for actuating the second pair of arresting blades, the closing mechanisms being operable to swing the forming plates inwardly to deflect the closing flaps inwardly and thereafter deflect the free edges thereof downwardly and in conjunction with the presser head to effect the tucking in of the free edges into the center of the carton, and trip mechanisms adapted to be actuated by the arrival of a carton in either of the operating positions to initiate the carton arresting, gluing, stamping, and closing movements.

2,071,248
PESSARY
Frank L. Campbell, Wilmington, Ill.
Application November 27, 1935, Serial No. 51,900
1 Claim. (Cl. 128—127)



A pessary comprising a diaphragm of elastic material, a semielastic retaining member integral with said diaphragm and projecting beyond opposite faces thereof and having its edges curved inwardly whereby one of said edges may engage and grip a womb adjacent the mouth thereof with the retaining member in frictional contact with walls of the vaginal passage supporting the diaphragm in close proximity and closing the mouth of the womb, spaced semielastic reinforcing elements integral with the diaphragm and the retaining member and one of its flanges, and a beading formed integrally with the outer wall of the retaining member and in alignment with the diaphragm to embed in the walls of the vaginal passage.

2,071,249
STENCIL SHEET DUPLICATOR
Irvin A. Cantor, New York, N. Y.
Application August 20, 1936, Serial No. 97,071
3 Claims. (Cl. 101—115)



1. A stencil sheet duplicator comprising a finely perforated plate, a coarsely perforated plate secured to the first plate to form therewith a unitary construction of sheet formation, and the area of each perforation of the coarsely perforated plate being two to ten times larger than the area of each perforation of the finely perforated plate.

2,071,250
LINEAR CONDENSATION POLYMERS
Wallace H. Carothers, Pennsbury Township, Chester County, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 3, 1931, Serial No. 548,701
28 Claims. (Cl. 260—106)



1. A synthetic linear condensation polymer capable of being drawn into pliable, strong fibres showing by characteristic X-ray patterns orientation along the fibre axis.

2. A synthetic linear condensation polymer obtainable by a condensation reaction between bifunctional compounds and having an average molecular weight not less than 10,000.

9. A process for producing linear condensation superpolymers which comprises subjecting a linear condensation polymer to condensation reaction conditions while continuously removing from said polymer the volatile reaction product and continuing to maintain such conditions until the molecular weight of said polymer is at least 10,000.

17. A method of propagating reversible chemical reactions involving the simultaneous formation of a volatile and a non-volatile product which comprises placing a condenser within the mean free path of the molecules of said volatile product and maintaining said condenser under reduced pressure and at a temperature at which said volatile product has a negligible vapor pressure.

2,071,251

FIBER AND METHOD OF PRODUCING IT

Wallace H. Carothers, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application July 3, 1931, Serial No. 548,701. Divided and this application March 14, 1933, Serial No. 660,778, renewed September 10, 1936

35 Claims. (Cl. 18—54)

10. A method of manufacturing artificial synthetic fibers which comprises forming a linear condensation polymer having a molecular weight of at least 10,000 into filaments and "cold-drawing" said filaments.

2,071,252

A LINEAR POLYACETAL AND PROCESS FOR PRODUCING THE SAME

Wallace H. Carothers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 2, 1935, Serial No. 178

20 Claims. (Cl. 260—151)

1. A synthetic linear polyacetal obtainable by a condensation reaction between a glycol and an acetal of a monohydric alcohol having a molecular weight greater than 10,000.

2,071,253

LINEAR CONDENSATION POLYMERS

Wallace H. Carothers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 2, 1935, Serial No. 180

20 Claims. (Cl. 260—112)

1. A process which comprises heating an amide forming compound of the class consisting of polymerizable monoaminomonocarboxylic acids having at least 5 carbon atoms in the chain separating the amino and carboxyl groups and amide forming derivatives thereof until a product is formed which is capable of being drawn into continuous filaments, the nitrogen atom of said amide forming compound carrying at least one hydrogen atom.

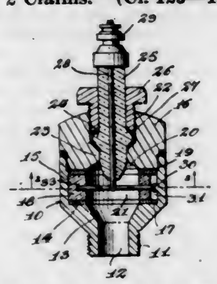
2,071,254

SPARK PLUG

Cyril G. Cramer, Binghamton, N. Y.

Application July 1, 1936, Serial No. 88,457

2 Claims. (Cl. 123—169)



1. A spark plug having a casing, an insulator ring therein, a gland for securing the ring in position, said casing ring and gland having an interior structure defining a chamber, a positive electrode carried by the gland, said electrode terminating medially of the chamber, a plurality of electrodes mounted in the insulator ring disposed axially therefrom and spaced with respect to one another to define spark-gaps, one of said electrodes extending into close relation with the positive electrode to define a spark-gap, and one of said second named electrodes having contacting relation with the casing.

2,071,255

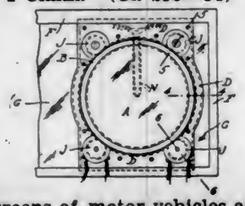
WIND SCREEN

Richard Albert Dalley, Auckland, New Zealand, assignor to "Dalnat" Rotary Windscreen Company Limited, Auckland, New Zealand

Application December 5, 1934, Serial No. 756,178

In New Zealand January 27, 1934

1 Claim. (Cl. 296—84)



In windscreens of motor vehicles and the like, a metallic frame composed of two complemental flat plates each provided with a circular opening, the adjacent edges of the plates about the opening and about the outer edges being rabbeted to form grooves, a number of circular enclosure casings disposed at spaced intervals in the plate around the circular opening and formed to communicate at their inner parts with the space in such opening, a grooved roller journalled in each of said casings, a glass disc, a metallic rim encircling and carrying the disc and having a radially projecting flange around its edge and fitted into the circular opening in the frame so that the flange fits into the groove therein while the peripheral edge of the flange engages in the grooves in the several rollers, a wiper arm fixed to the carrying frame and arranged to extend inwardly across the face of the disc, and means for driving at least one of said rollers.

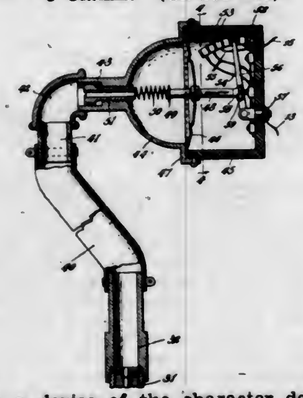
2,071,256

AIR PRESSURE INDICATOR FOR TIRES

Eugene Melton Dobbs, Mason, Tex., assignor of one-eighth to Leonard Miller, Brownwood, Tex.

Application March 25, 1935, Serial No. 12,992

3 Claims. (Cl. 201—48)



3. In a device of the character described, a housing open at one end, a cap for the open end

of said housing having a neck, a diaphragm constituting a flexible partition between the housing and cap, a stationary contact in said housing, a movable contact in the housing mounted for movement relative to the stationary contact, a stem secured through said diaphragm with a portion extending towards the closed end of the housing and connected with the movable contact for imparting movement to the movable contact when the stem is shifted longitudinally by flexing of the diaphragm, the other end portion of said stem projecting from the diaphragm towards the neck of said cap, a hollow adjusting screw threaded through said neck, a spring between the screw and the adjacent end of said stem, and means for connecting said neck with a source of fluid under pressure and delivering the fluid through the cap for actuating the diaphragm.

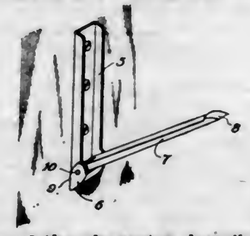
2,071,257

FOLDING CLOTHES HOOK

Fred Hansen, New York, N. Y.

Application August 8, 1934, Serial No. 739,015

1 Claim. (Cl. 248—294)



In a device of the character described, a base plate of substantially channel-shaped construction, one end of said plate having a folded and overlapped portion to provide a hinge, a pivot pin extending thru said overlapped portion, an arm connected to said pivot pin and adapted to rest within said base plate and a spring adapted to move said arm into and out of engagement with said plate.

2,071,258

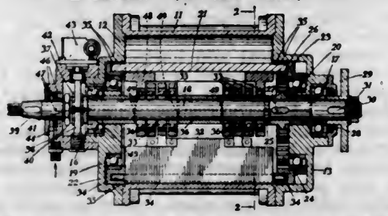
ROTARY BLOWER AND THE LIKE

James Haydock, Jr., Blackburn, John Haythorn and Christopher Shorrock, Preston, England

Application February 27, 1935, Serial No. 8,558

In Great Britain February 27, 1934

1 Claim. (Cl. 230—157)



A device of the class described including a casing having end caps, a shaft extending longitudinally and concentrically of the casing and having a shoulder, bearings carried by the end caps at opposite ends of the casing and journaling the shaft, annular end members carried by the casing within the end caps, one of said members having an annulus provided with spur teeth and said end members having concentric grooves, a rotor within the casing and comprising arcuate members constituting the wall thereof, said arcuate members having their opposite corresponding ends in the grooves of the annular end members, said rotor having slots defined between the adjacent edges of the arcuate members, blades carried on the shaft and extending through the slots of the rotor, a pinion carried by the shaft and engageable with said spur teeth, said shoulder on said shaft being between the pinion and one of said blades within the casing, said shaft being adapted to impart rotation to the annulus through said pinion whereby the rotor will be rotated, said pinion being fixed to the shaft and limited against endwise movement by said shoulder and blade.

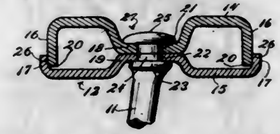
2,071,259

WHEEL STRUCTURE

Joseph L. Hecht and Rudolph H. Beckman, Davenport, Iowa, assignors to French & Hecht, Incorporated, a corporation of Iowa

Application October 24, 1935, Serial No. 46,460

9 Claims. (Cl. 301—67)



9. A metal wheel structure, comprising a hub, a rim formed of two metal bands in the form of opposed concentric channel members whose channel walls overlap in lateral engagement with one another to form deep side walls of the rim, those of the radially inner band being relatively short and those of the radially outer band fitting inside the walls of the inner band and being relatively longer, constituting the greater portion of the side wall of the rim, the radially outer band being depressed along a median circumferential line to an extent less than the height of the channel walls of said band and the radially inner band being bent radially outwardly to engage therewith, aligned apertures formed at spaced intervals in the median engaging portions of the bands, spokes having their inner ends anchored in the hub and their outer ends passing through said aligned apertures, shoulders formed on the spokes to engage the radially inner surface of the inner band, and the outer ends of the spokes being upset and headed over, solidly clamping the bands together along said median line to form a tight closed rim.

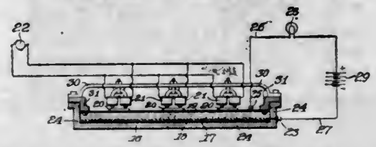
2,071,260

APPARATUS FOR THE SEPARATION OF SOLIDS IN LIQUID SUSPENSION

Charles Revell Holden, Chicago, Ill.

Application April 13, 1935, Serial No. 16,252

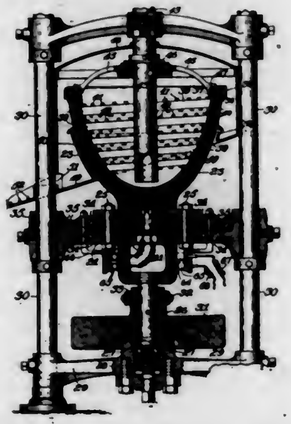
2 Claims. (Cl. 209—179)



2. In a device for the recovery of gold or other noble metals in dispersed phase in a fluid suspension: an amalgamating surface bearing mercury; a source of alternating current; a diaphragm contacting said fluid suspension at a point removed from said amalgamating surface; and means for the conversion of said alternat-

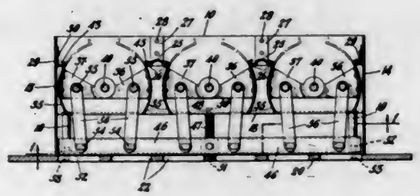
ing current into mechanical vibration of said diaphragm, whereby waves of compression and rarefaction are propagated through said fluid suspension toward said amalgamating surface.

2,071,261
SEPARATOR
Charles Revell Holden and Miguel Drobinsky, Chicago, Ill.; said Drobinsky assignor to said Holden
Application August 14, 1935, Serial No. 36,196
13 Claims. (Cl. 209—179)



1. An amalgamation device of the character described, including: a container; an amalgamation plate in said container; a layer of mercury on said plate; a pair of electrodes in the walls of said container above the level of, and not in contact with the mercury, the sum of the distances from each electrode to the mercury being less than the interelectrode distance; means for passing a pulp comprising a liquid suspension of particles of noble metal over said mercury; and means for passing current through the mercury-pulp interface, said circuit passing current from one of said pair of electrodes to the other thereof.

2,071,262
REGISTER WITH PIVOTED VANES
James D. McKnight, New York, N. Y.
Application November 30, 1932, Serial No. 644,949
6 Claims. (Cl. 98—107)

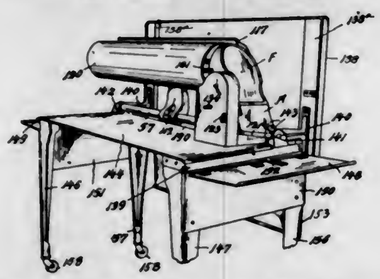


5. In a register, a plurality of pairs of oppositely curved vanes, each of said vanes extending over an arc of about a sixth of a circle, means to pivot said vanes about their centers of curvature, and means comprising a member shiftable perpendicular to the face of the register to move the vanes of each pair in opposite angular directions either toward or away from the face of the register.

2,071,263
CEMENT AND PLASTER MATERIAL
John Warne Phillips, Bridgeport, Conn., assignor of one-half to Fingal J. Lindquist, Bridgeport, Conn.
No Drawing. Application September 28, 1934, Serial No. 745,849
6 Claims. (Cl. 106—24)

1. A method of making a composition comprising mixing China-wood oil with a metallic drier, emulsifying the oil, mixing with water, and then mixing with a powdered cement.

2,071,264
IRONING MACHINE
John W. Racklyeft, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 9, 1932, Serial No. 621,658
39 Claims. (Cl. 38—59)

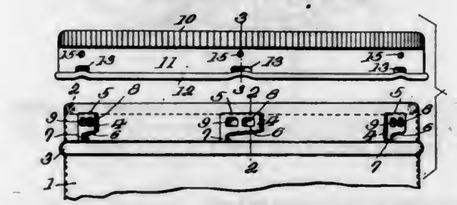


1. A power driven ironing machine comprising the combination with a supporting structure, of an ironer shoe and a power actuated ironing roll mounted upon said structure, said roll being adapted to move toward and away from the said shoe, the shoe being provided with tensioning means from producing yielding pressure when said shoe and roll are in engagement with each other, and means for moving said shoe away from said roll.

4. An ironing machine comprising, in combination, ironing instrumentalities, and a supporting structure comprising a cabinet having a horizontal top plate rigidly connected with the ironing instrumentalities, and adapted to assume a vertical position, a frame carrying said top plate, a bar within said frame, a front plate adapted to assume vertical and horizontal positions and carried by said bar and frame respectively in the respective positions of the said front plate, side plates hinged on the frame and adapted to swing from a vertical into a horizontal position, stop members to hold the side plates in a horizontal position, locking means between the top plate and the side plates, and a rear plate movably connected with the top plate, the rear plate being adapted to remain in a vertical position when the top plate is in its vertical or horizontal position.

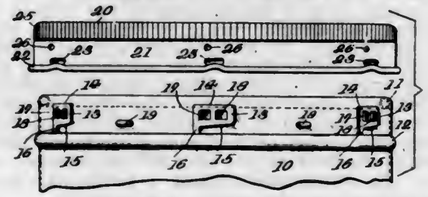
13. An ironing machine comprising, a supporting structure, cooperating ironing elements mounted thereon, means for effecting relative movement between said elements so as to bring them into engagement and disengagement with each other, and means carried by said structure for supporting said elements solely from points intermediate their ends.

2,071,265
METAL CONTAINER
Charles Schmidt, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 22, 1935, Serial No. 27,971
2 Claims. (Cl. 220—40)



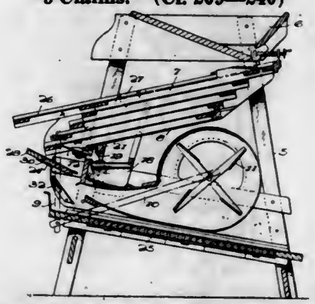
1. A metal container comprising a body portion having the upper edge thereof rolled inwardly to form a strengthening bead and a sealing shoulder, said body portion at widely spaced intervals below and adjacent said bead being outwardly shaped to form a series of retaining lugs, each having the lower face thereof inclined downwardly and terminating in a vertical stop shoulder, a cover having a depending flange, the lower edge of which is rolled outwardly to form a strengthening bead, the flange of said cover adjacent said bead having a series of relatively short widely spaced lugs each being adapted to engage beneath the inclined face of a holding lug on the container body, each lug on the container body directly above the inclined lower face thereof having spaced depressions and said cover directly above each holding lug thereon having an inwardly projecting detent adapted to pass over a holding lug on the container body into said recesses for yieldingly holding the cover lugs in locked engagement with the lugs on the container body.

2,071,266
LOCK TOP METAL CONTAINER
Charles Schmidt, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 31, 1935, Serial No. 47,691
3 Claims. (Cl. 220—40)



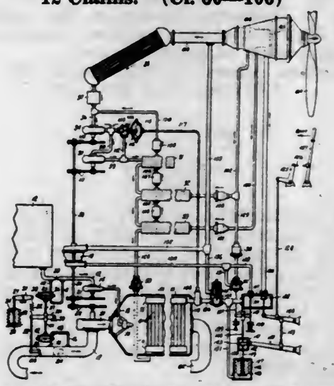
1. A metal container comprising an open-ended body portion, said body portion being shaped below and adjacent the open end thereof to form a series of spaced locking lugs, each of said lugs having a downwardly inclined lower face terminating in a vertical stop shoulder, and a cover having a depending flange, said flange being shaped to provide a series of relatively short holding lugs cooperating with the inclined faces of the locking lugs on said body portion for locking the cover thereon, and said body portion being provided with lugs located between adjacent locking lugs thereon and extending substantially the same distance away from the body portion for preventing the inward flexing of the cover flange between adjacent holding lugs thereon and thereby preventing the outward flexing of the cover flange in the region of the holding lugs thereon so as to prevent the said holding lugs from slipping over said shoulders when the cover is finally seated.

2,071,267
GRAIN CLEANER
Christian Schneider, Vegreville, Alberta, Canada
Application May 27, 1935, Serial No. 23,673
In Canada June 2, 1934
5 Claims. (Cl. 209—240)



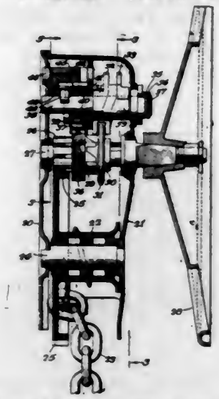
3. A machine of the character described comprising an upper set of sieves adapted to separate smaller grains from larger grains, a lower screen, means for directing a blast of air between the upper set of sieves and lower screen, an extension sieve attached to the lower end of the top sieve member adapted to pass the larger grains, conveyor troughs disposed beneath said set of sieves and an adjustable deflector board for directing the smaller grains discharged from said sieves into said troughs or into the stream of larger grains passing through said extension sieve.

2,071,268
ELASTIC FLUID POWER PLANT
Glenn B. Warren, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 25, 1933, Serial No. 667,812
12 Claims. (Cl. 60—106)



1. In an elastic fluid generator, the combination of a furnace, means including a pump for supplying fuel to the furnace, means including a blower having a suction conduit for supplying air to the furnace to maintain combustion, valve means in the suction conduit, and means for positioning the valve means in response to the barometric air pressure, the velocity of the current of air outside the suction conduit, and the flow of fuel to the furnace.

2,071,269
HAND BRAKE
Herbert E. Bartsch, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., a corporation of Illinois
Application May 15, 1935, Serial No. 21,601
6 Claims. (Cl. 74—505)



1. In a hand brake operating mechanism, in combination, a hand wheel, a winding drum, gearing connecting the hand wheel and drum, a ratchet wheel carried by the gearing, a longitudinally reciprocable pawl cooperating with the ratchet wheel, a counterweighted oscillatable abutment for laterally engaging the pawl, a gravity actuated element for withdrawing the pawl from engagement with the ratchet wheel, a clutch for connecting the hand wheel with the gearing, a cam shaft for controlling the clutch, a counterweighted detent for checking the releasing movement of the cam shaft, and means carried by the cam shaft for controlling the action of the counterweighted elements.

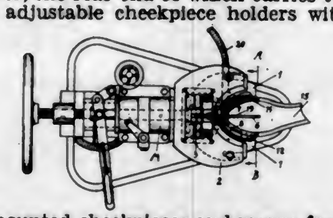
2,071,270
THERMOSTATIC SOCKET, HOLDER, OR COUPLING
Martin C. Dellinger, Lancaster, Pa., assignor to K-D Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 9, 1935, Serial No. 35,534
8 Claims. (Cl. 176—119)



8. A thermostatic socket comprising a pair of opposed spaced longitudinally arched resilient gripping members, in combination with means connecting portions of said members against substantial relative transverse movement, each said member being formed of bimetal, and the outer lamina of each said member having a greater coefficient of expansion than the inner lamina of said member.

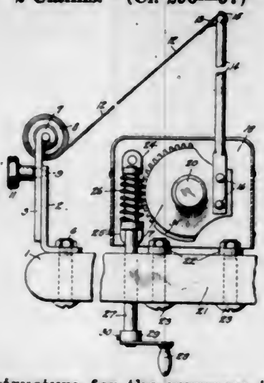
2,071,271
APPARATUS FOR TURNING IN TOE AND HEEL CAPS FOR FOOTWEAR
Karl Mayer, Landau/Pfalz, Germany
Application August 31, 1935, Serial No. 38,848
In Germany July 12, 1935
3 Claims. (Cl. 12—107)

1. In a bed lasting machine, wipers, a presser arranged above the wipers and comprising a pivoted lever, the rear end of which carries two relatively adjustable cheekpiece holders with piv-



otally mounted cheekpieces and means for pressing said cheekpieces against the edge of the upper leather during the fixing of the upper.

2,071,272
GLARE SHIELD
Francis B. O'Shea, Ilion, N. Y., assignor of one-third to Sanford J. Getman, Ilion, N. Y.
Application June 18, 1935, Serial No. 27,156
2 Claims. (Cl. 296—97)

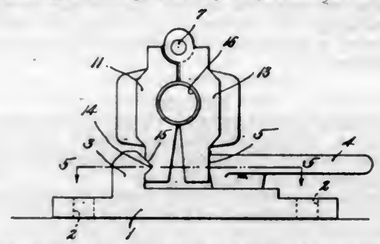


2. In a structure for the purposes indicated a rigid L-shaped arm, said arm being pivotally mounted upon a horizontal member of a windshield frame and adapted to move in a horizontal arc forwardly of the windshield, means for moving the arm as indicated and for sustaining the arm in the desired operative position, a bracket mounted upon a side member of the windshield frame, said bracket being so constructed that, when mounted, its leading edge will be substantially parallel to the vertical section of the said arm, a flexible shade wound upon a yieldingly tensioned roller, said shade and roller being so mounted that upon movement of the arm in a horizontal plane the shade will be extended lengthwise between the arm and the bracket, before the windshield and at a horizontal angle thereto.

2,071,273
PIPE CUTTER GUIDE
Wilmot M. Paterson, Wellesley, Mass., assignor to Trimont Manufacturing Co., Inc., Roxbury, Mass., a corporation of Massachusetts
Application July 8, 1935, Serial No. 30,348
3 Claims. (Cl. 29—67)

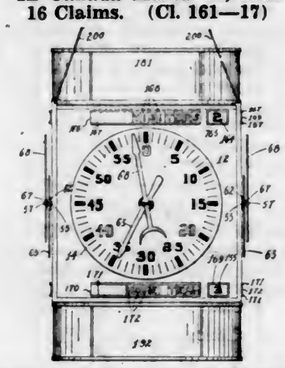
1. In a pipe cutter vise the combination of a base having a transversely extending lug rising therefrom and provided with a wedge-like centering projection the surfaces of which diverge, a pipe holder formed of two members hinged together at their upper portions to swing to and from closed position, one of said members of the pipe holder having a complemental centering device for engagement with the centering device on

the lug when the parts are in operative position and a clamp mounted upon the base for binding the parts in their assembled and operative position so that through the agency of the centering



device mounted on the lug and the cooperating centering device mounted on one of the legs of the clamp, all upward or lateral movement of the pipe holder relative to the base is prevented.

2,071,274
TIME INDICATING DEVICE
Fenton Alexander Ross, Port Arthur, Ontario, Canada, assignor to Port Arthur Shipbuilding Company, Limited, Port Arthur, Ontario, Canada
Application September 24, 1931, Serial No. 564,798
In Canada March 11, 1931
16 Claims. (Cl. 161—17)



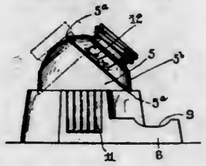
12. A time indicating device including dials, two hands for each dial, means for moving the hands of each dial at relatively different speeds for indicating purposes, and means selectively operable at will to cause the slower of the two hands to move at the speed of the faster of such hands.

2,071,275
BEDSPRING CONSTRUCTION
Jacob Schwartzman, Brooklyn, N. Y., assignor to Samuel E. Schwartzman, Brooklyn, N. Y.
Application November 21, 1935, Serial No. 50,849
6 Claims. (Cl. 5—248)



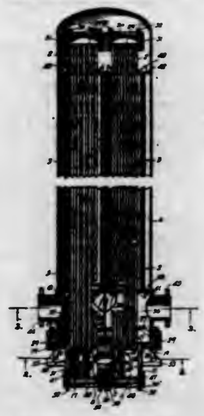
1. A bed spring of the class described comprising a main frame adapted to rest on a bed stead and having upwardly-extending ends terminating in relatively short inwardly-extending side members; a secondary frame formed of a rectangular base having upwardly-extending corner members; the corner members of one end of the secondary frame hinged to the inwardly-extending side members of the main frame so that the secondary frame may be opened upwardly from the main frame; a plurality of upholstery springs mounted in the secondary frame; and all of said springs secured to the secondary frame by resilient means so as to make the whole upper surface of the bed spring resilient.

2,071,276
INKSTAND AND THE LIKE
Ferdinand S. Barbiers, Lancaster, Ohio, assignor to The Hocking Glass Company, Lancaster, Ohio, a corporation of Ohio
Application September 5, 1935, Serial No. 39,318
5 Claims. (Cl. 120—70)



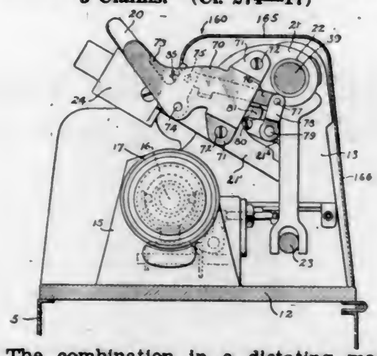
1. A vessel having a body portion of hollow globular form provided with an opening thereinto, a holder for said vessel having a rimmed socket in which said vessel fits and is free to rock in any direction, and means projecting from said vessel around its said opening for positively limiting rocking movement of the vessel in any direction by contact with the rim of said socket.

2,071,277
HEAT EXCHANGER
John M. Barclay, Brooklyn, and James B. Forbes, Mount Vernon, N. Y., assignors to Alco Products Incorporated, New York, N. Y., a corporation of Delaware
Application September 28, 1935, Serial No. 42,646
15 Claims. (Cl. 257—223)



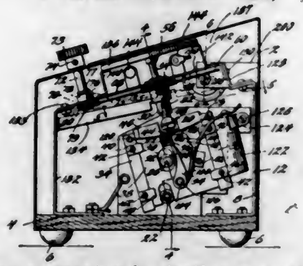
1. Heat exchange apparatus comprising a channel member having a plurality of liquid compartments symmetrically arranged therein, a bundle of cooling tubes associated with each of said compartments, said bundles being connected at one end to said channel member, a partition in each compartment, a floating header for each tube bundle straddling the partition in the respective compartment, a cover for each compartment, said covers being interchangeable and means for clamping each cover individually to said channel member.

2,071,278
DICTATING MACHINE
Theodore H. Beard and John E. Renholdt, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application June 24, 1933, Serial No. 677,447
5 Claims. (Cl. 274—17)



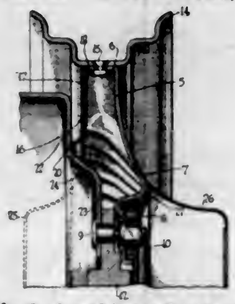
3. The combination in a dictating machine having a housing-like carriage with a connection for a speaking tube projecting toward the front of the machine and a sound-box pivotally mounted within the carriage and adapted to assume certain selected positions, of a bracket plate rigidly secured to a side wall of said carriage and having a forwardly extending projection serving as a sound-box position-indicator, a lever pivotally mounted on said bracket plate and having a forwardly projecting portion adapted to be moved into or out of registry with said indicator, rockable means mounted on said carriage so as to extend laterally beyond said side wall of said carriage and connected interiorly with said sound-box and exteriorly with said lever, and adjustable means for limiting the throw of said lever.

2,071,279
APPARATUS FOR TESTING IGNITION COILS AND CONDENSERS
Irving L. Brick, New York, N. Y., assignor to P. Sorensen Manufacturing Company, Incorporated, a corporation of New York
Application December 3, 1935, Serial No. 52,724
2 Claims. (Cl. 175—183)



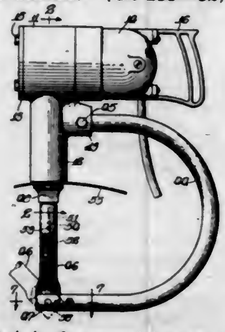
1. In an apparatus for testing a condenser, an electric switch, a rectifier adapted to convert an alternating current into a pulsating direct current, a glow tube, a circuit wherein said rectifier, said glow tube, the condenser and said switch are in series with a source of alternating current, a second circuit establishing series electrical connection from a storage battery, through the switch, through the heater element of the rectifier, through the ground and back to the storage battery, and a third circuit wherein the glow tube is connected in series with the condenser and said switch, said switch being provided with selective means whereby the first described circuit and the second circuit may be closed simultaneously, whereby the second circuit may be closed individually and whereby the third circuit may be closed individually, without disconnecting the condenser.

2,071,280
METHOD OF MAKING VEHICLE WHEELS
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 1, 1934, Serial No. 723,307
7 Claims. (Cl. 29—159.03)



7. The method of making vehicle wheels which comprises simultaneously stamping a spider-shaped portion and partially forming a hub shell portion of sheet metal, severing said portions and completing the formation of the hub shell portion, securing a spider shaped wheel body to a rim and securing said hub shell and spider portions to the wheel body.

2,071,281
BODY AND FENDER STRAIGHTENING TOOL
Edward B. George, Chicago, Ill., assignor of one-half to J. F. Greenebaum, Chicago, Ill.
Application January 10, 1936, Serial No. 58,469
6 Claims. (Cl. 153—32)

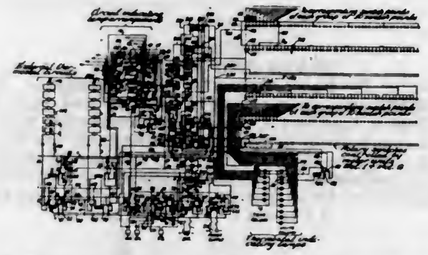


1. An impact tool comprising an electric motor, a cam driven thereby, a piston operable by the cam in one direction, a spring for moving said piston in the opposite direction, a housing for said piston, cam, and motor, a bowed anvil support rigidly and detachably connected at one end to and supported by said housing, an anvil base pivotally mounted on the other end of said support, means for locking said anvil base in alignment with said hammer, an anvil located at the free end of said base and a spring carried by the base for yieldingly maintaining said anvil in operative relation to said hammer.

2,071,282
METHOD OF SEPARATING AMINO-ACIDS READILY SOLUBLE IN WATER AND AMMONIUM SULPHATE
Wilhelm Gluud and Walter Klempt, Dortmund-Eving, Germany, assignors to Bergwerksverband zur Verwertung von Schutz-rechten der Kohlentechnik G. m. b. H., Dortmund-Eving, Germany, a company of Germany
No Drawing. Application March 4, 1935, Serial No. 9,284. In Germany May 18, 1934
3 Claims. (Cl. 260—122)

1. A method of separating amino-acids readily soluble in water from ammonium sulphate which consists in alternatingly carrying out the following operations, namely, on the one hand saturating an aqueous mother liquid containing an amino-acid and ammonium sulphate with ammonia, separating the precipitated ammonium sulphate and distilling off the free ammonia, and on the other hand introducing a mixture of the amino-acid and ammonium sulphate into the liquid freed from ammonia, separating the solid amino-acid, and returning the remaining mother liquid to the process.

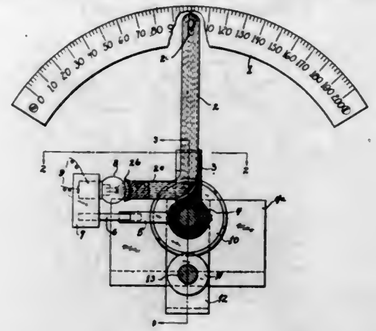
2,071,283
SUPERVISORY CIRCUIT
Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Original application November 21, 1929, Serial No. 408,740. Divided and this application November 10, 1931, Serial No. 574,091
3 Claims. (Cl. 177—355)



1. In combination, a plurality of circuits, current changing means in each circuit, a plurality of electro-responsive indicators corresponding respectively to the plurality of circuits, means connecting said indicators in a series circuit and including switch means, trouble indicating means associated with said series circuit and operated on failure of current therein; and means, including electro-responsive means individual to each of the plurality of circuits and a common means for operating the switch means of the series indicator circuit, for breaking the series circuit and energizing a single indicator upon operation of the current changing means of the corresponding circuit.

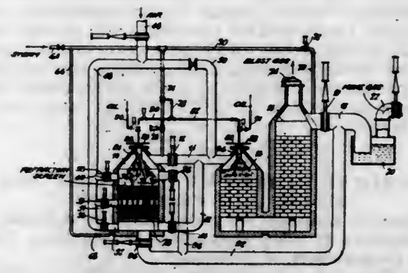
2,071,284
INDICATING DEVICE
Lawrence A. Hyland, Washington, D. C., assignor, by mesne assignments, to Bendix Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 23, 1935, Serial No. 46,413
7 Claims. (Cl. 116—124.1)

1. In indicators for tuning units the combination with a variable tuning unit or units of means for varying said unit or units, a shaft operatively associated with said tuning unit or units, a light source adjacent to said shaft, means for rotating said shaft, a light transmitting member, a light decomposing member interposed between said light source and said light transmitting member,



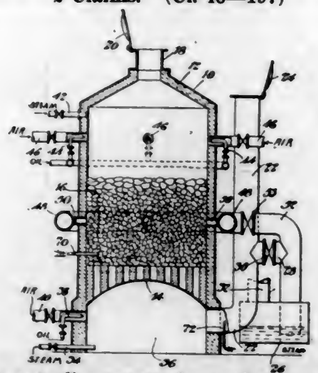
a scale, means for moving one end of said member over said scale and means for continuously transmitting light to said scale from said source through said member to illuminate a small section of said scale as said tuning unit or units are varied.

2,071,285
OIL GASIFICATION PROCESS AND APPARATUS
Alfred Johnson, West New Brighton, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine
Application December 26, 1931, Serial No. 583,260
7 Claims. (Cl. 48—214)



1. In a cyclic process for making combustible gas wherein during a gas make period hydrocarbons are cracked by passing the same downwardly through a relatively deep carbon-filtering bed of highly heated ceramic pieces, with resultant production of hydrocarbon gas and deposition of carbon on the surfaces of the ceramic pieces which carbon is burned during a subsequent air blast period, the steps of blasting air in series through two vertically separate zones of the ceramic bed between make periods in controlled amount approximately sufficient to consume the carbon in the zone of the bed first contacted by the air, suspending the first air blast and blasting additional air through the second zone of the bed only in amount sufficient to consume at least the major portion of the carbon remaining therein, thus rapidly heating each zone of the bed to a high gas-making temperature.

2,071,286
OIL GASIFICATION PROCESS
Alfred Johnson, West New Brighton, N. Y., and Charles E. Hemminger, Westfield, N. J., assignors to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine
Application April 25, 1933, Serial No. 667,818
2 Claims. (Cl. 48—197)



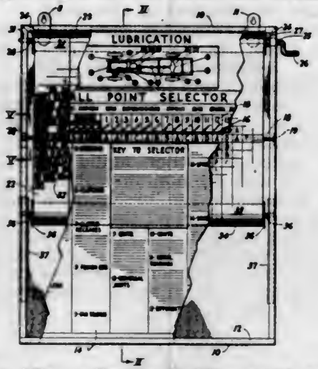
2. In a cyclic process for making combustible gas wherein during a gas make period liquid hydrocarbons are cracked by passing the same downwardly through a deep carbon filtering screen of small highly heated refractory pieces, with resultant formation of gas and deposition of carbon on the surfaces of the refractory which carbon is burned during a subsequent air blast period, the steps comprising successively blasting air vertically in both directions through the screen between make periods, burning fluid fuel within the screen during the blast period, controlling the amount of air employed during the blast period to an amount approximately sufficient to burn the said fluid fuel and to consume the carbon deposited within the screen during the preceding make period, and regulating the calorific value of the gas produced during the make period by withdrawing a regulated amount of the make gas peripherally from the vertical midportion of the screen, while withdrawing the remaining portion of the make gas from below the screen.

2,071,287
ARALKYL ETHERS OF CELLULOSE AND METHOD OF PRODUCING
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1934, Serial No. 751,086
4 Claims. (Cl. 260—152)

1. The method of producing a low substituted aralkyl ether of cellulose which includes reacting alkali cellulose and an aralkylating agent until fibers present in the reaction mass have been completely dispersed while maintaining an alkali concentration of from about 22% to about 28% throughout substantially the entire reaction.

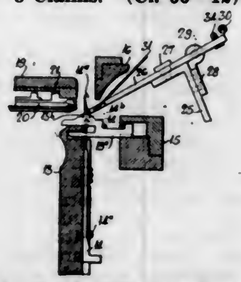
2,071,288
DISPLAY DEVICE
Erskine D. Thompson, Burlingame, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application November 7, 1934, Serial No. 751,803
2 Claims. (Cl. 40—96)

1. A lubrication indicator comprising a frame, means on the face of said frame forming a chart having an exposed surface for receiving grouped indicia representing parts of equipment to be lubricated, a slot in said chart, an endless web removably positioned behind said chart so that a designated portion thereof is visible through said slot, a driving roller for said web removably positioned in said frame, means on said roller extending outside of said frame for rotating said



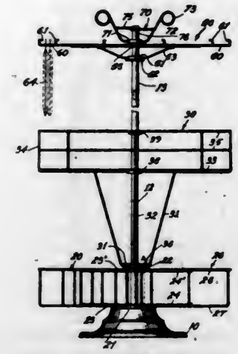
roller, an idler roller for holding said web taut removably positioned in said frame, removable means in said frame for holding said web close to said slot, said web having designating indicia and lubricating indicia adapted to be observed through said slot to cooperate with the grouped indicia on said chart in aligned relation of chart and key to selectively exhibit predetermined relations between said indicia.

2,071,289
MEANS FOR KNITTING
Everett R. Pace, Belmont, N. C., assignor, by direct and mesne assignments, of one-half to Ragan Knitting Company, Thomasville, N. C., a corporation of North Carolina, and one-half to Maurice Mills Company, Thomasville, N. C., a corporation of North Carolina
Application December 24, 1934, Serial No. 759,123
8 Claims. (Cl. 66—12)



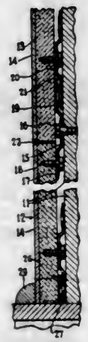
1. In a circular knitting machine having dial and cylinder needles, means for feeding an elastic yarn to the knitting machine at a point removed from the knitting point in the machine, said machine having a few short butt needles for engaging the free end of said yarn and carrying the elastic yarn around to the regular knitting point of the machine to knit it into the fabric for a few loops at its point of introduction, so that the remaining portion of said yarn is fed at a point below the dial needles and over the top of the cylinder needles whereby the yarn is not knitted by either the cylinder or dial needles other than at its point of introduction but is laid in between the loops formed by these needles.

2,071,290
DISPLAY DEVICE
John M. Scriba, Chicago, Ill., assignor to Midland Wire & Metal Products, Chicago, Ill., a corporation of Illinois
Application November 25, 1935, Serial No. 51,465
4 Claims. (Cl. 211—58)



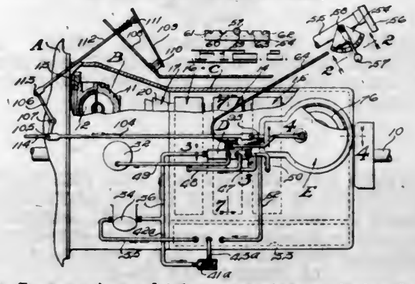
1. A carrier for a display rack comprising a rotatable bearing, a plurality of radially-extending wires secured thereto and having their ends upwardly and inwardly turned to form hooks which positively prevent articles swinging off therefrom, and a plurality of rings secured to said wires at different points and spaced inwardly from their ends to leave free end portions of the wires projecting outwardly.

2,071,291
WALL ASSEMBLY AND CLIP
George E. Shipway, Darien, Conn., and Louis M. Steuber, New York, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 19, 1935, Serial No. 41,234
5 Claims. (Cl. 72—19)



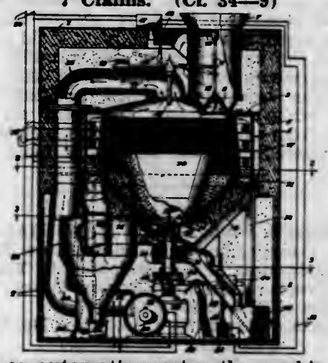
1. A wall assembly comprising a supporting substructure, units of facing material, and means securing the units to the substructure, the said means including a clip, an element securing a portion thereof to the substructure, a part of the clip offset with respect to the said portion and spaced from the substructure, another clip, and means securing a portion thereof to one of the said units, a part of the latter clip engaging the said part of the first-mentioned clip.

2,071,292
MOTOR VEHICLE POWER TRANSMISSION
Harry T. Woolson, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application April 18, 1934, Serial No. 721,106
27 Claims. (Cl. 74—262)



1. In a motor vehicle power transmission having a plurality of speed ratio controlling devices providing a plurality of forward speeds, neutral and reverse, power operated means for actuating said controlling devices, means controlling said power operated means for effecting selective actuation of said controlling devices, means responsive to motor vehicle speed for operating said selective controlling means, a manually contacted adjustable selector element, and manually actuated means actuated in response to manual adjustment of said selector element for operating said speed responsive means to selectively provide a plurality of forward driving speed ratios and reverse to thereby operate said selective controlling means.

2,071,293
AUTOMATIC ROASTER
Harry C. A. Behr and Jules J. Eck, York, Pa., assignors to Yorktown Electric Roaster Manufacturing Corporation, York, Pa., a corporation of Pennsylvania
Application May 19, 1936, Serial No. 80,600
7 Claims. (Cl. 34—9)

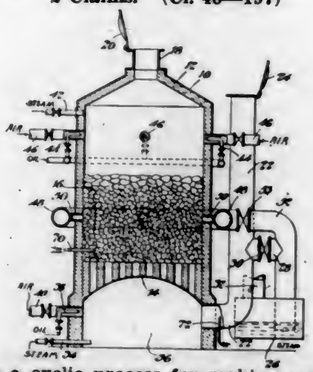


1. In an automatic roaster, the combination of a container provided with a discharge opening, a vertically movable mixing hopper in said container and closing said opening, said mixing hopper provided with an inlet opening, and means for actuating said mixing hopper.

2,071,294
LIGHT REFLECTING SIGN
Edward H. Branson, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 2, 1933, Serial No. 674,053
4 Claims. (Cl. 88—82)

1. In a light reflecting unit, a cylindrical

2,071,286
OIL GASIFICATION PROCESS
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Application April 25, 1933, Serial No. 667,818
2 Claims. (Cl. 48—197)



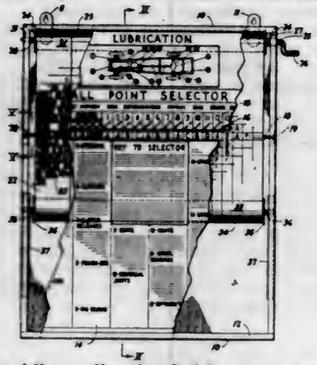
2. In a cyclic process for making combustible gas wherein during a gas make period liquid hydrocarbons are cracked by passing the same downwardly through a deep carbon filtering screen of small highly heated refractory pieces, with resultant formation of gas and deposition of carbon on the surfaces of the refractory which carbon is burned during a subsequent air blast period, the steps comprising successively blasting air vertically in both directions through the screen between make periods, burning fluid fuel within the screen during the blast period, controlling the amount of air employed during the blast period to an amount approximately sufficient to burn the said fluid fuel and to consume the carbon deposited within the screen during the preceding make period, and regulating the calorific value of the gas produced during the make period by withdrawing a regulated amount of the make gas peripherally from the vertical midportion of the screen, while withdrawing the remaining portion of the make gas from below the screen.

2,071,287
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4 Claims. (Cl. 260—152)

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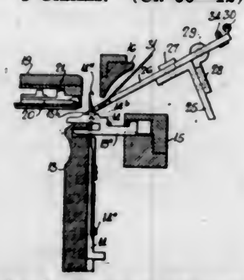
2,071,288
DISPLAY DEVICE
Erskine D. Thompson, Burlingame, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application November 7, 1934, Serial No. 751,803
2 Claims. (Cl. 40—96)

1. A lubrication indicator comprising a frame, means on the face of said frame forming a chart having an exposed surface for receiving grouped indicia representing parts of equipment to be lubricated, a slot in said chart, an endless web removably positioned behind said chart so that a designated portion thereof is visible through said slot, a driving roller for said web removably positioned in said frame, means on said roller extending outside of said frame for rotating said



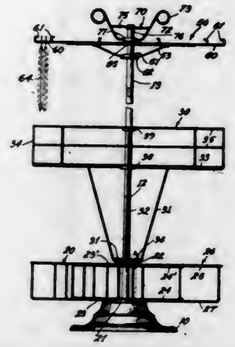
roller, an idler roller for holding said web taut removably positioned in said frame, removable means in said frame for holding said web close to said slot, said web having designating indicia and lubricating indicia adapted to be observed through said slot to cooperate with the grouped indicia on said chart in aligned relation of chart and key to selectively exhibit predetermined relations between said indicia.

2,071,289
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Application December 24, 1934, Serial No. 759,123
8 Claims. (Cl. 66—12)



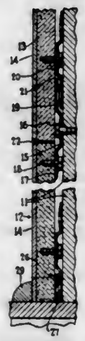
1. In a circular knitting machine having dial and cylinder needles, means for feeding an elastic yarn to the knitting machine at a point removed from the knitting point in the machine, said machine having a few short butt needles for engaging the free end of said yarn and carrying the elastic yarn around to the regular knitting point of the machine to knit it into the fabric for a few loops at its point of introduction, so that the remaining portion of said yarn is fed at a point below the dial needles and over the top of the cylinder needles whereby the yarn is not knitted by either the cylinder or dial needles other than at its point of introduction but is laid in between the loops formed by these needles.

2,071,290
DISPLAY DEVICE
John M. Scriba, Chicago, Ill., assignor to Midland Wire & Metal Products, Chicago, Ill., a corporation of Illinois
Application November 25, 1935, Serial No. 51,465
4 Claims. (Cl. 211—58)



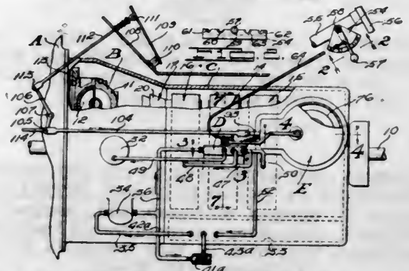
1. A carrier for a display rack comprising a rotatable bearing, a plurality of radially-extending wires secured thereto and having their ends upwardly and inwardly turned to form hooks which positively prevent articles swinging off therefrom, and a plurality of rings secured to said wires at different points and spaced inwardly from their ends to leave free end portions of the wires projecting outwardly.

2,071,291
WALL ASSEMBLY AND CLIP
George E. Shipway, Darien, Conn., and Louis M. Steuber, New York, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 19, 1935, Serial No. 41,234
5 Claims. (Cl. 72—19)



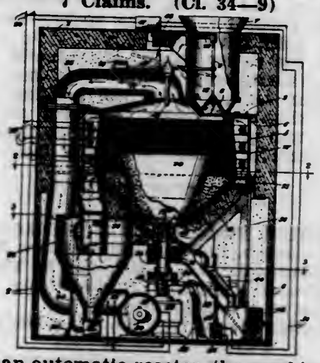
1. A wall assembly comprising a supporting substructure, units of facing material, and means securing the units to the substructure, the said means including a clip, an element securing a portion thereof to the substructure, a part of the clip offset with respect to the said portion and spaced from the substructure, another clip, and means securing a portion thereof to one of the said units, a part of the latter clip engaging the said part of the first-mentioned clip.

2,071,292
MOTOR VEHICLE POWER TRANSMISSION
Harry T. Woolson, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application April 18, 1934, Serial No. 721,106
27 Claims. (Cl. 74—262)



1. In a motor vehicle power transmission having a plurality of speed ratio controlling devices providing a plurality of forward speeds, neutral and reverse, power operated means for actuating said controlling devices, means controlling said power operated means for effecting selective actuation of said controlling devices, means responsive to motor vehicle speed for operating said selective controlling means, a manually contacted adjustable selector element, and manually actuated means actuated in response to manual adjustment of said selector element for operating said speed responsive means to selectively provide a plurality of forward driving speed ratios and reverse to thereby operate said selective controlling means.

2,071,293
AUTOMATIC ROASTER
Harry C. A. Behr and Jules J. Eck, York, Pa., assignors to Yorktown Electric Roaster Manufacturing Corporation, York, Pa., a corporation of Pennsylvania
Application May 19, 1936, Serial No. 80,600
7 Claims. (Cl. 34—9)

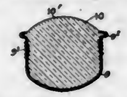


1. In an automatic roaster, the combination of a container provided with a discharge opening, a vertically movable mixing hopper in said container and closing said opening, said mixing hopper provided with an inlet opening, and means for actuating said mixing hopper.

2,071,294
LIGHT REFLECTING SIGN
Edward H. Branson, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 2, 1933, Serial No. 674,053
4 Claims. (Cl. 88—82)

1. In a light reflecting unit, a cylindrical

member closed at its inner end and open at its outer end, an inner reflecting surface on said closed end of said cylindrical member, and light



transmitting material moulded within said cylindrical member to completely fill said member and projecting from said open end thereof to form a convex outer surface.

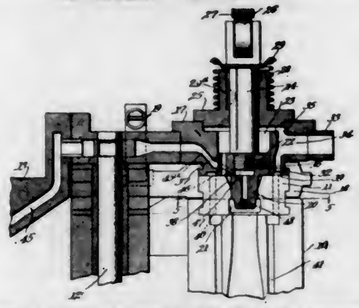
2,071,295

METHOD AND APPARATUS FOR THE MANUFACTURE OF HOLLOW GLASS ARTICLES

Edward G. Bridges, Anderson, Ind., assignor to Lynch Corporation, a corporation of Indiana

Application December 28, 1929, Serial No. 417,166

18 Claims. (Cl. 49—5)



13. Glassware forming apparatus comprising cooperating blank and neck molds, a mouth forming pin adapted to close the mouth cavity of the neck mold, a casing for said mouth forming pin formed with a cylindrical recess therein, means for applying suction and supplying air pressure to said recess, means communicating with said recess for applying suction axially in the neck finish cavity of the neck mold and laterally in the cavity of the blank mold, means for withdrawing said plunger into said recess, and means controlled by the position of the plunger when withdrawn to direct air under pressure from said recess to the neck mold cavity and to exclude it from the blank mold cavity.

2,071,296

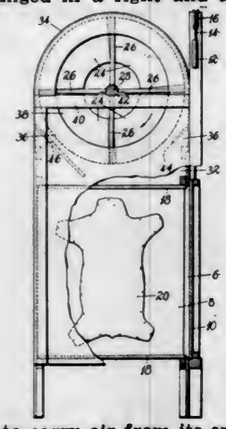
DRIER FOR SHEET MATERIAL

John H. Connor, Newton, and Matthew M. Merritt, Middleton, Mass., assignors to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts

Application March 18, 1935, Serial No. 11,594

4 Claims. (Cl. 34—40)

1. In a drier for work pieces such as hides, skins, and leather, a chamber having guideways for positioning and supporting hides or skins spaced from each other in vertical parallel planes, an outlet for air at the lower end of said chamber, an inlet for air at the upper end of said chamber, said inlet and outlet extending across all of the spaces between the work pieces so that said spaces communicate directly with said inlet and outlet for the admission and escape of air directly to and from said spaces, and a helically bladed blower extending along a horizontal axis and substantially the full length of said chamber at the inlet end thereof to blow air downwardly in a uniform manner through all of the spaces between the work pieces in the chamber, said helically bladed blower having its blades arranged in a right and a left helix of



equal size to carry air from its ends toward the middle of the chamber whereby an adequate supply of air is provided for work pieces at the middle of the chamber as well as at each end thereof.

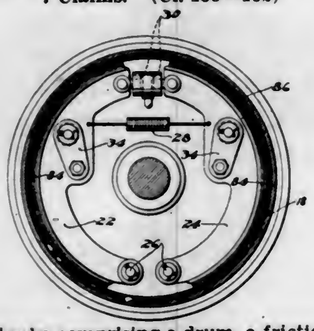
2,071,297

BRAKE

Adiel Y. Dodge and Montgomery W. McConkey, South Bend, Ind., assignors to Bendix Brake Company, South Bend, Ind., a corporation of Illinois

Application May 21, 1931, Serial No. 539,087

7 Claims. (Cl. 188—152)



7. A brake comprising a drum, a friction device therein, and an automatic adjustment device, and said brake being arranged to maintain the parts in such relation that the mechanism will not be operated to adjust for expansion of the drum due to drum heat.

2,071,298

SHOE

Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts

Application November 23, 1934, Serial No. 754,446

4 Claims. (Cl. 36—14)

4. A shoe comprising an upper of fibrous nonvulcanizable material, an insole, the upper being lasted over the margin of the insole, a binder having a high rubber content extending over the bottom of the insole and adhesively bonded securely to said upper upon the overlasted margin of the forepart thereof, and an outsole having a

welt combined therewith, said outsole being adhesively and permanently bonded to said binder and to said insole, the edge of said outsole ex-



tending laterally beyond its junction with said binder, and said binder extending upwardly along and being bonded to the sides of the upper of the shoe to a level above the welt.

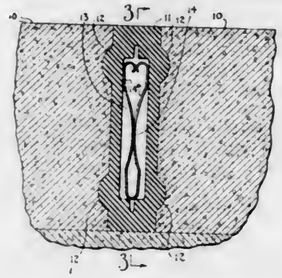
2,071,299

JOINT FOR ROADWAYS

John R. Gammeter, Akron, Ohio

Application December 22, 1933, Serial No. 703,537

17 Claims. (Cl. 94—18)



1. A joint strip for roadways comprising a hollow strip of tough, elastic, water-proof material, and an expansible, metallic, spring strip arranged therein for yieldingly expanding said hollow strip.

2,071,300

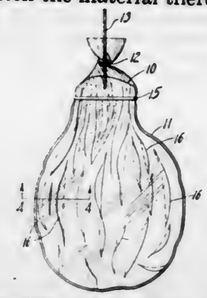
METHOD OF PRESERVING PERISHABLE FOOD PRODUCTS

John R. Gammeter, Akron, Ohio, assignor of one-half to Susan G. Gammeter, Akron, Ohio

Application March 10, 1936, Serial No. 68,036

7 Claims. (Cl. 99—174)

4. That method of preserving perishable products which comprises subjecting a product to CO_2 gas, placing a container around said product, evacuating the interior of said container to remove substantially all of the free CO_2 gas, heat sealing said container to maintain its evacuated condition, and subjecting said container to heated air to soften the material thereof whereby the



evacuated condition of said container causes the latter to contract and adhere to said product.

2,071,301

PRODUCTION OF METHYLAMINES

Paul Herold and Karl Smeykal, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application April 11, 1934, Serial No. 720,042. In Germany April 19, 1933

3 Claims. (Cl. 202—42)

1. The process of producing substantially pure monomethylamine and dimethylamine from mixtures containing mono-, di- and trimethylamines, ammonia and water which comprises subjecting such mixtures to a distillation under pressure in order to separate the amines and ammonia from the water as a substantially anhydrous mixture and subjecting this substantially anhydrous mixture to fractional distillation to obtain a first fraction of ammonia and trimethylamine and other fractions containing monomethylamine and dimethylamine in substantially pure form.

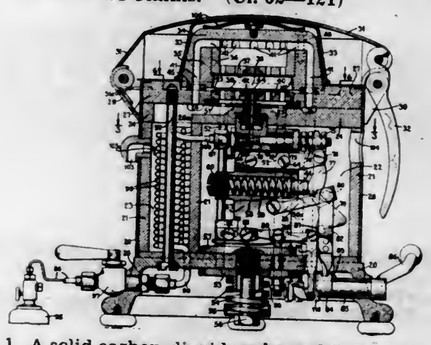
2,071,302

SOLID CARBON DIOXIDE CAKE FORMING MACHINE

Reuben Hill, Detroit, Mich., assignor to Albert J. Smith, Richmond Hill, N. Y.

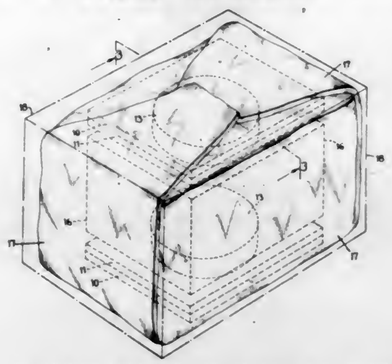
Application April 4, 1935, Serial No. 14,630

24 Claims. (Cl. 62—121)



1. A solid carbon dioxide cake molding machine having a casing and a mold into which CO_2 is introduced under pressure, a valve mechanism within said casing for controlling the supply of CO_2 to the mold, means for moving said valve mechanism upon the building up of pressure conditions in the mold, and means for thermally isolating the said valve mechanism from the cold produced in the mold and from the cold of the vent gases leaving the mold.

2,071,303
MEANS FOR DRY ICING
Reuben Hill, Detroit, Mich., assignor to Albert J. Smith, Richmond Hill, Long Island, N. Y.
Application April 4, 1935, Serial No. 14,631
2 Claims. (Cl. 62—91.5)



1. A carbon dioxide ice carton for a refrigeratable material adapted for insertion in an outer customer carton comprising an outer multiply paper wrapping, means affording a recess adapted for the reception of a carbon dioxide ice cake for disposition at each side of refrigeratable material with the carbon dioxide ice in contact with the carton containing such material, said means having passages for delivering sublimed gases outwardly to the interior of the aforesaid multi-ply wrapping, said means also having heat insulating end portions to hinder the direct outward transfer of cold from the carbon dioxide ice cakes to the ends of the package through the wrapper.

2,071,304
PROCESS OF MANUFACTURE OF PRODUCTS OF GROUND WOOD PULP
Wilhelm Hirschkind, Berkeley, Calif., assignor to Great Western Electro-Chemical Company, a corporation of California
No Drawing. Application December 4, 1934, Serial No. 755,929
3 Claims. (Cl. 8—2)

3. A process for treatment of a mechanical wood pulp suspension comprising subjecting pulp in said suspension to reduction by a salt of hydrosulfurous acid while maintaining said suspension at a pH substantially between 5 and 6 by addition of an inorganic salt effective as a buffer substantially at said pH.

2,071,305
BLEACHING
Wilhelm Hirschkind, Berkeley, Calif., assignor to Great Western Electro-Chemical Company, a corporation of California
No Drawing. Application May 28, 1935, Serial No. 23,850
6 Claims. (Cl. 8—2)

3. Bleaching ground wood pulp at a temperature between 100°–212° F. with the addition product of hydrosulfurous acid and an organic compound of the formula

$$R-\underset{\underset{O}{\|}}{C}-R'$$

where R is any organic radical and R' is hydrogen or any organic radical.

2,071,306
BLEACHING
Wilhelm Hirschkind, Berkeley, Calif., assignor to Great Western Electro-Chemical Company, a corporation of California
No Drawing. Original application May 28, 1935, Serial No. 23,850. Divided and this application July 27, 1936, Serial No. 92,848
9 Claims. (Cl. 8—2)

1. Bleaching ground wood pulp with an organic sulphoxylate at a temperature between 100° and 212° F.

4. Bleaching ground wood pulp at a temperature between 100°–212° F. with the addition product of sulfoxylic acid and an organic compound of the formula—

$$R-\underset{\underset{O}{\|}}{C}-R'$$

where R is any organic radical and R' is hydrogen or any organic radical.

2,071,307
BLEACHING
Wilhelm Hirschkind, Berkeley, Calif., assignor to Great Western Electro-Chemical Company, a corporation of California
No Drawing. Application August 11, 1936, Serial No. 95,430
5 Claims. (Cl. 8—2)

1. Bleaching ground wood at a temperature between 100° and 212° F. with a hydrosulphite at a pH substantially between 4.5 and 6.5 while maintaining said pH during said bleaching by addition of an inorganic buffering salt effective to maintain said pH substantially constant.

2,071,308
BLEACHING CHEMICAL PULP
Wilhelm Hirschkind, Berkeley, Calif., assignor to Great Western Electro-Chemical Company, a corporation of California
No Drawing. Application September 21, 1936, Serial No. 101,791
5 Claims. (Cl. 8—2)

5. Bleaching a chemical wood pulp at a temperature between 100° and 212° F. and at a pH between 4 and 7 with an addition product of sulphoxylic acid and an organic compound of the formula—

$$R-\underset{\underset{O}{\|}}{C}-R'$$

where R is any organic radical and R' is hydrogen or any organic radical.

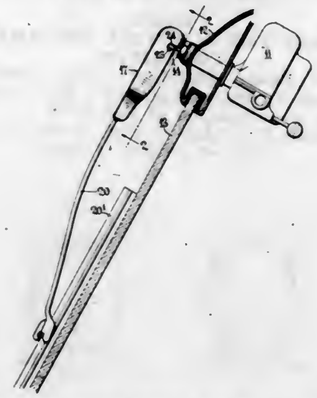
2,071,309
BLEACHING CHEMICAL PULP
Wilhelm Hirschkind, Berkeley, Calif., assignor to Great Western Electro-Chemical Company, a corporation of California
No Drawing. Application September 21, 1936, Serial No. 101,792
4 Claims. (Cl. 8—2)

4. Bleaching a chemical pulp at a temperature between 100° and 212° F. and a pH between 4 and 7 with an addition product of hydrosulphurous acid and an organic compound of the formula

$$R-\underset{\underset{O}{\|}}{C}-R'$$

where R is any organic radical and R' is hydrogen or any organic radical.

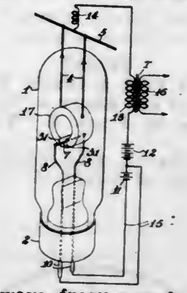
2,071,310
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 26, 1935, Serial No. 18,478
6 Claims. (Cl. 15—255)



1. In a windshield cleaner, a wiper shaft having a terminal portion extending substantially normal to the axis of the shaft proper, said shaft having a deformation providing a seat on the shaft adjacent said terminal portion and on the side of the shaft diametrically opposite to said terminal portion, a casing member housing the end of the shaft including said terminal portion and having a part engaged with said seat for pivotal movement relative thereto, a stirrup member having one end slidably engaged with said terminal portion for movement toward or away from the shaft proper and having its other end pivotally engaged with the casing member, a wiper arm carried by one of said members, and a coiled spring mounted upon said terminal portion and engaging said one end of the stirrup member for urging the latter away from the shaft proper.

2,071,311
MICRO-WAVE OSCILLATOR AND DETECTOR
Ernest G. Linder, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 2, 1934, Serial No. 733,381
8 Claims. (Cl. 250—6)

1. In a transceiver system, an electron discharge tube having split anodes, an evacuated envelope for said tube and means within said envelope, including a short-circuiting conductor interconnecting said anodes at suitable points, for establishing a resonant condition at a micro-wave frequency, means for generating oscillations



of said micro-wave frequency for transmitting means for suppressing said generation of oscillations while receiving, and means for detecting received oscillations.

2,071,312
PROCESS FOR PREPARING A SYNTHETIC RESIN COMPOSITION
Sydney Leonard Morgan Saunders, London, England
No Drawing. Application March 2, 1935, Serial No. 9,103. In Great Britain December 21, 1933
3 Claims. (Cl. 260—8)

1. A process for preparing a synthetic resin composition soluble in vegetable oils which consists in mixing together:—

(*a*) A drying oil which has been previously heat-treated,

(*b*) A monoglyceride of a drying oil acid, and

(*c*) Phthalic anhydride,

and heating the mixture.

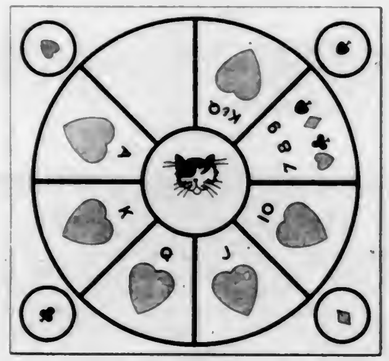
2,071,313
PROCESS FOR PREPARING A SYNTHETIC RESIN COMPOSITION
Sydney Leonard Morgan Saunders, London, England
No Drawing. Application March 2, 1935, Serial No. 9,105. In Great Britain December 21, 1933
3 Claims. (Cl. 260—8)

1. A process for preparing a synthetic resin composition which consists in heating glycerol and phthalic anhydride together until partial reaction occurs, then adding a mono-glyceride of a drying oil acid and continuing the heating at a sufficient temperature to complete the condensation reaction.

DESIGNS

FEBRUARY 16, 1937

103,207
DESIGN FOR A GAME BOARD
Howard E. Baack and Elmer A. Tischer, Chicago, Ill., assignors to Frank Z. Woods, Chicago, Illinois
Application May 1, 1935, Serial No. 56,652
Term of patent 14 years



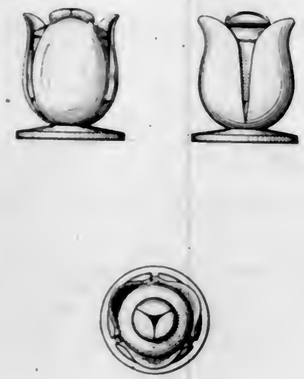
The ornamental design for a game board, as shown and described.

103,208
DESIGN FOR A DRESS
Louis Baum, New York, N. Y.
Application December 29, 1936, Serial No. 66,786
Term of patent 3½ years



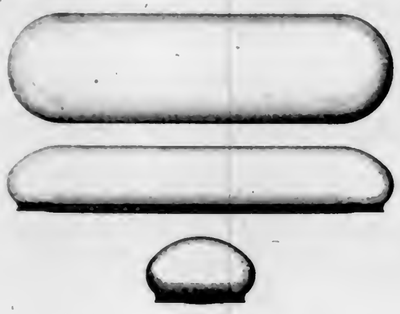
The ornamental design for a dress, substantially as shown and described.

103,209
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Oscar E. Beiser, Stamford, Conn., assignor to Edward T. Beiser Company, Inc., Stamford, Conn., a corporation of New York
Application November 6, 1936, Serial No. 65,724
Term of patent 14 years



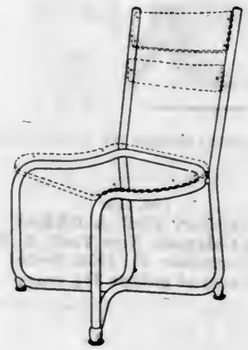
The ornamental design for a bottle or similar container as shown.

103,210
DESIGN FOR A STORAGE TANK
Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, Chicago, Ill., a corporation of Illinois
Application July 29, 1936, Serial No. 64,122
Term of patent 14 years



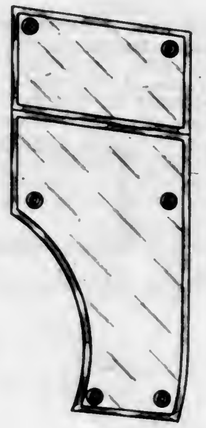
The ornamental design for a storage tank, as shown.

103,211
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application January 9, 1937, Serial No. 66,975
Term of patent 7 years



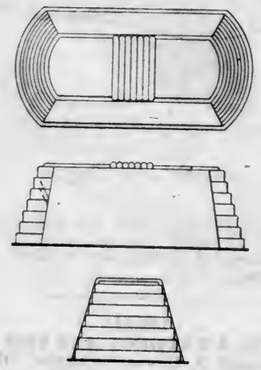
The ornamental design for a chair as shown and described.

103,212
DESIGN FOR AN AIR RETARDER FOR AN AUTOMOBILE RADIATOR
Theodore Arthur Brown, Council Bluffs, Iowa
Application November 30, 1936, Serial No. 66,200
Term of patent 3½ years



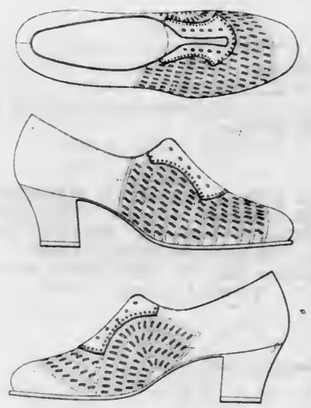
The ornamental design for an air retarder for an automobile radiator, as shown and described.

103,213
DESIGN FOR A LAMP SHADE
William Burger, Jamaica, N. Y., assignor to East Side Metal Spinning & Stamping Corp., New York, N. Y.
Application January 6, 1937, Serial No. 66,915
Term of patent 7 years



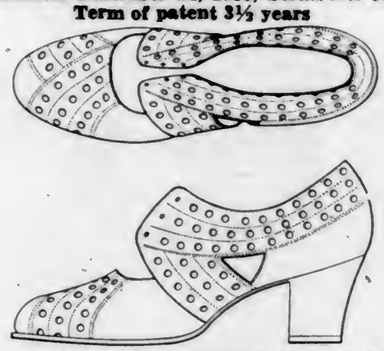
The ornamental design for a lamp shade, as shown.

103,214
DESIGN FOR A SHOE
Charles H. Caldwell, Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application December 24, 1936, Serial No. 66,737
Term of patent 3½ years



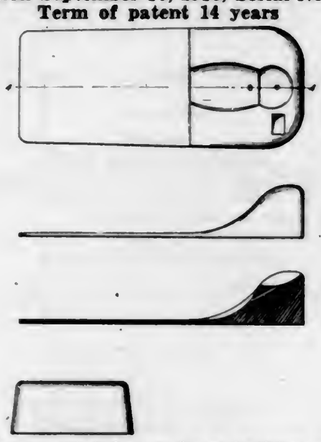
The ornamental design for a shoe, as shown and described.

103,215
DESIGN FOR A SHOE
Charles H. Caldwell, Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application December 24, 1936, Serial No. 66,738
Term of patent 3½ years



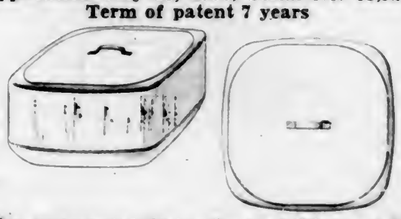
The ornamental design for a shoe, as shown and described.

103,216
DESIGN FOR A BATHING MAT FOR INFANTS
Edmund D. Cevasco, Akron, Ohio
Application September 30, 1936, Serial No. 65,072
Term of patent 14 years



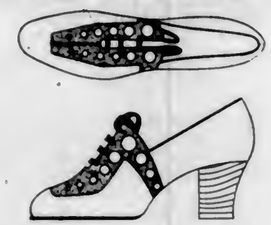
The ornamental design for a bathing mat for infants as shown.

103,217
DESIGN FOR A WASHING MACHINE TUB
Robert M. Chesney, Alliance, Ohio, assignor to The Alliance Porcelain Products Company, Alliance, Ohio, a corporation of Ohio
Application July 18, 1936, Serial No. 63,925
Term of patent 7 years



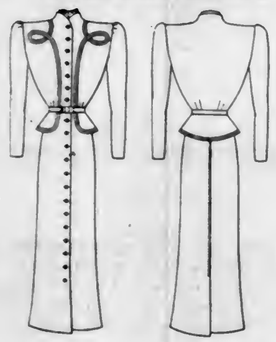
The ornamental design for a washing machine tub as shown.

103,218
DESIGN FOR A SHOE
David S. Cohen, Brooklyn, N. Y.
Application December 29, 1936, Serial No. 66,790
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

103,219
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application December 29, 1936, Serial No. 66,796
Term of patent 3½ years



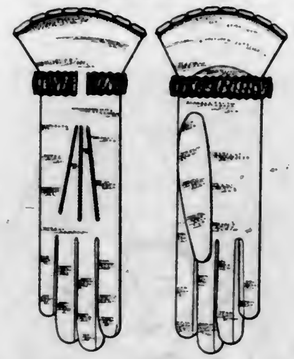
The ornamental design for a dress as shown.

103,220
DESIGN FOR A BREAD BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application December 12, 1936, Serial No. 66,498
Term of patent 7 years



The ornamental design for a bread box substantially as shown.

103,221
DESIGN FOR A GLOVE
Mildred Crandall, New York, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Application December 2, 1936, Serial No. 66,256
Term of patent 3½ years



The ornamental design for a glove as shown.

103,222
DESIGN FOR A SANDAL
Gennaro Del Re, New York, N. Y.
Application December 28, 1936, Serial No. 66,747
Term of patent 3½ years



The ornamental design for a sandal, substantially as shown.

103,223
DESIGN FOR A SANDAL
Gennaro Del Re, New York, N. Y.
Application December 28, 1936, Serial No. 66,748
Term of patent 3½ years



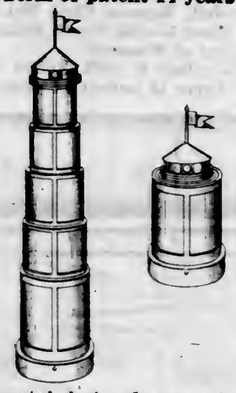
The ornamental design for a sandal, substantially as shown.

103,224
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application December 30, 1936, Serial No. 66,813
Term of patent 3½ years



The ornamental design for a slipper, substantially as shown.

103,225
DESIGN FOR AN ADVERTISING DEVICE
Charles Doering, Chicago, Ill.
Application September 12, 1936, Serial No. 64,832
Term of patent 14 years



The ornamental design for an advertising device, substantially as shown and described.

103,226
DESIGN FOR A SHOE
Jacob Fishman, Brooklyn, N. Y., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application December 28, 1936, Serial No. 66,772
Term of patent 3½ years



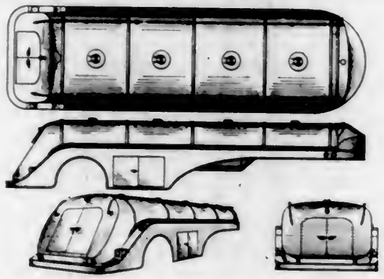
The ornamental design for a shoe, as shown and described.

103,227
DESIGN FOR A SHOE
Samuel Fradkin, Lewiston, Maine
Application December 24, 1936, Serial No. 66,742
Term of patent 3½ years



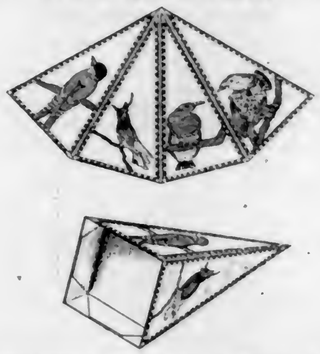
The ornamental design for a shoe, as shown.

103,228
DESIGN FOR A TRUCK TANK
Otto N. Gredell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application July 6, 1936, Serial No. 63,664
Term of patent 14 years



The ornamental design for a truck tank, as shown.

103,229
DESIGN FOR A CARTON OR SIMILAR ARTICLE
Max Haessler, Buenos Aires, Argentina
Application December 31, 1936, Serial No. 66,838
Term of patent 14 years



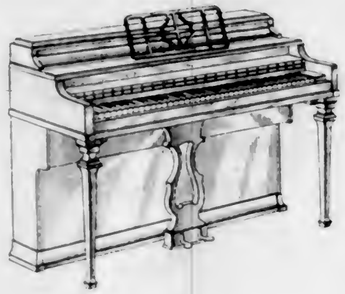
The ornamental design for a carton or similar article as shown.

103,230
DESIGN FOR A LABEL BLANK
Arthur William Hanley, Tampa, Fla.
Application November 16, 1935, Serial No. 59,618
Term of patent 14 years



The ornamental design for a label blank, as shown and described.

103,231
DESIGN FOR AN UPRIGHT PIANO
Henry R. Heller, Larchmont, N. Y.
Application November 27, 1936, Serial No. 66,162
Term of patent 3½ years



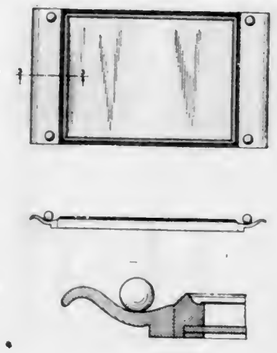
The ornamental design for an upright piano substantially as shown.

103,232
DESIGN FOR A PLATE OR SIMILAR ARTICLE
George J. Higginson, New York, N. Y., assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y., a corporation of Great Britain
Application January 2, 1937, Serial No. 66,874
Term of patent 7 years



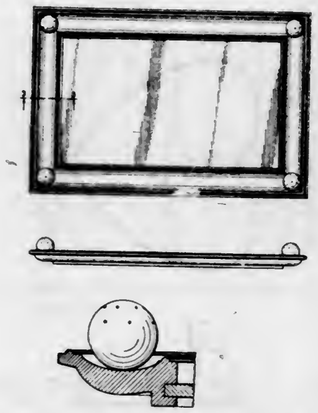
The ornamental design for a plate or similar article, as shown.

103,233
DESIGN FOR A TRAY
Arthur B. Hoffheimer, Chicago, Ill.
Application October 31, 1936, Serial No. 65,616
Term of patent 3½ years



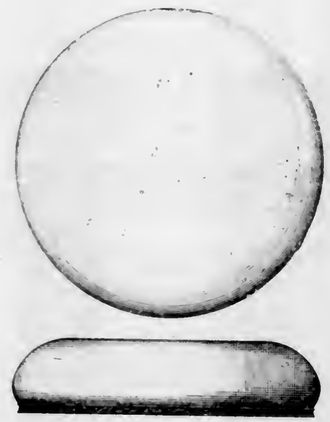
The ornamental design for a tray, as shown.

103,234
DESIGN FOR A TRAY
Arthur B. Hoffheimer, Chicago, Ill.
Application October 31, 1936, Serial No. 65,617
Term of patent 3½ years



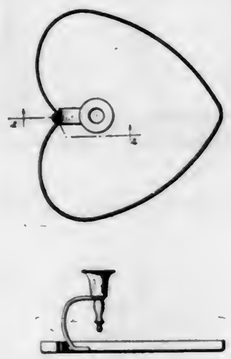
The ornamental design for a tray, as shown.

103,235
DESIGN FOR A STORAGE TANK
George T. Horton, Chicago, Ill., assignor to Chicago Bridge & Iron Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1936, Serial No. 64,162
Term of patent 14 years



The ornamental design for a storage tank as shown.

103,236
DESIGN FOR A COMBINED TRAY AND HOLDER
Joseph F. Hufnagel, Los Angeles, Calif.
Application June 2, 1936, Serial No. 62,968
Term of patent 3½ years



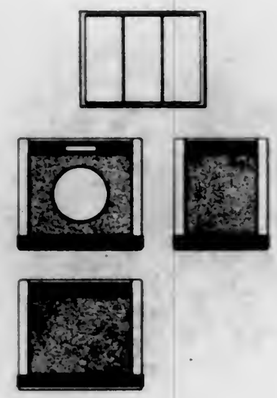
The ornamental design for a combined tray and holder, as shown.

103,237
DESIGN FOR A DRESS
Irwin Kranz, New York, N. Y.
Application December 8, 1936, Serial No. 66,384
Term of patent 3½ years



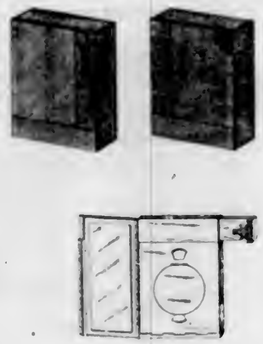
The ornamental design for a dress, substantially as shown.

103,238
DESIGN FOR A BATTERY BOX
Raymond Le Clercq, Los Angeles, Calif., assignor to Pacific Hard Rubber Co., Los Angeles, Calif., a corporation of California
Application December 28, 1936, Serial No. 66,776
Term of patent 7 years



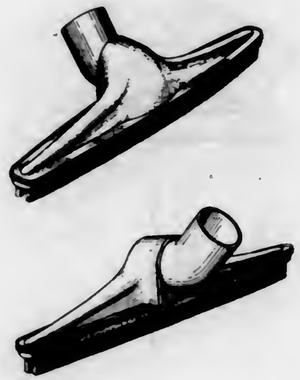
The ornamental design for a battery box, as shown and described.

103,239
DESIGN FOR A VANITY CASE
Florence N. Lewis, New York, N. Y., assignor to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of New York
Application December 31, 1936, Serial No. 66,832
Term of patent 7 years



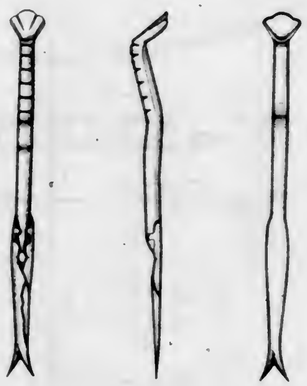
The ornamental design for a vanity case, as shown and described.

103,240
DESIGN FOR A COMBINED BRUSH AND NOZZLE
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application January 2, 1937, Serial No. 66,875
Term of patent 14 years



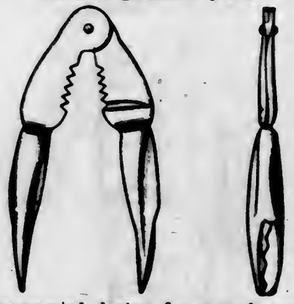
The ornamental design for a combined brush and nozzle as shown.

103,241
DESIGN FOR A SEA FOOD PICK
Malcolm W. Lowenstein, Baltimore, Md., assignor of one-half to Samuel Silberstein, Baltimore, Md.
Application December 29, 1936, Serial No. 66,783
Term of patent 7 years



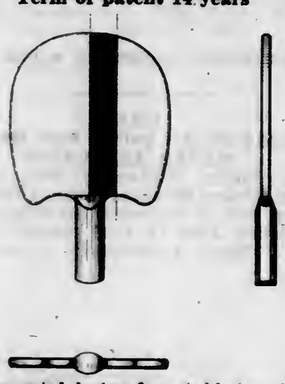
The ornamental design for a sea food pick, as shown.

103,242
DESIGN FOR A CRAB AND LOBSTER CRACKER
Malcolm W. Lowenstein, Baltimore, Md., assignor of one-half to Samuel Silberstein, Baltimore, Md.
Application December 29, 1936, Serial No. 66,784
Term of patent 7 years



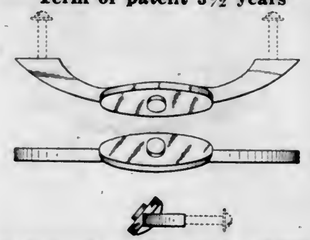
The ornamental design for a crab and lobster cracker, as shown.

103,243
DESIGN FOR A TABLE TENNIS RACKET
Finn Magnus, East Orange, N. J.
Application December 1, 1936, Serial No. 66,232
Term of patent 14 years



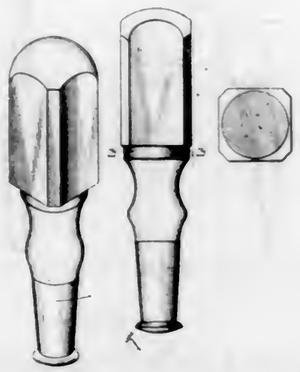
The ornamental design for a table tennis racket, as shown and described.

103,244
DESIGN FOR A DRAWER PULL
Francis McConville, Framingham, Mass., assignor to Sack, Inc., Boston, Mass., a corporation of Massachusetts
Application December 22, 1936, Serial No. 66,685
Term of patent 3½ years



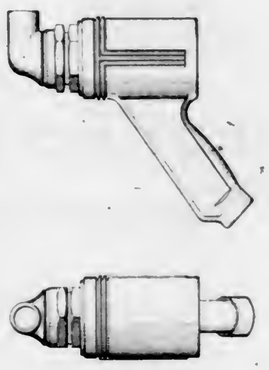
The ornamental design for a drawer pull, as shown.

103,245
DESIGN FOR A TOOL HANDLE
Elmer T. McPherson, Sabina, Ohio
Application October 19, 1936, Serial No. 65,358
Term of patent 7 years



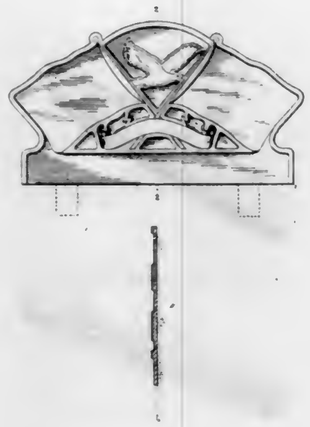
The ornamental design for a tool handle as shown.

103,246
DESIGN FOR A CASING FOR HOSE-END METER AND VALVE
Jacob C. Miller, Milwaukee, Wis., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 10, 1936, Serial No. 63,187
Term of patent 3½ years



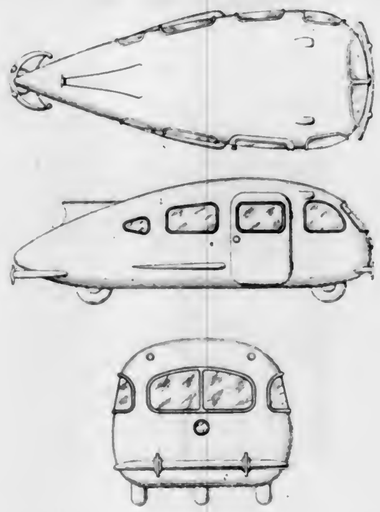
The ornamental design for a casing for hose-end meter and valve, as shown.

103,247
DESIGN FOR AN AUTOMOBILE LICENSE PLATE ORNAMENT
Hugh Mooney and Walter E. Christensen, San Francisco, Calif.
Application November 2, 1936, Serial No. 65,645
Term of patent 7 years



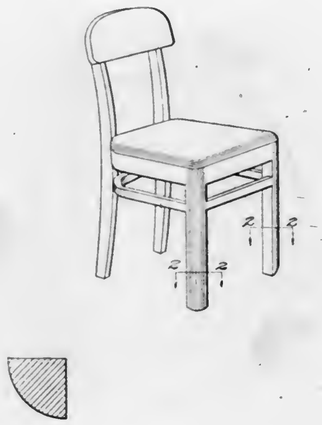
The ornamental design for an automobile license plate ornament as shown.

103,248
DESIGN FOR A VEHICLE
Alexis R. Pribil, Saginaw, Mich.
Application February 21, 1936, Serial No. 61,283
Term of patent 7 years



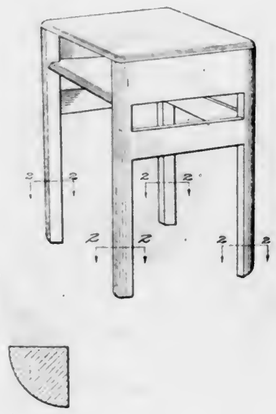
The ornamental design for a vehicle as shown.

103,249
DESIGN FOR A CHAIR
Frank T. Parrish, Gardner, Mass., assignor to Heywood-Wakefield Company, Boston, Mass., a corporation of Massachusetts
Application January 7, 1937, Serial No. 66,936
Term of patent 7 years



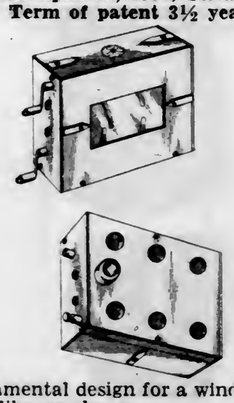
The ornamental design for a chair, as shown and described.

103,250
DESIGN FOR A DESK
Frank T. Parrish, Gardner, Mass., assignor to Heywood-Wakefield Company, Boston, Mass., a corporation of Massachusetts
Application January 7, 1937, Serial No. 66,937
Term of patent 7 years



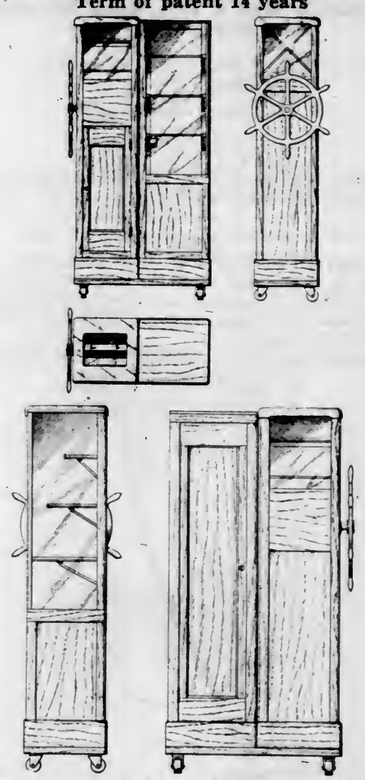
The ornamental design for a desk as shown and described.

103,251
DESIGN FOR A WIND REED MUSICAL TOY OR THE LIKE
Harry Pullen, Preston, Md.
Application April 29, 1936, Serial No. 62,377
Term of patent 3½ years



The ornamental design for a wind reed musical toy or the like, as shown.

103,252
DESIGN FOR A COMBINED TICKET MUTILATING AND COMMODITY DISPLAY CABINET
Ernest V. Richards, Jr., New Orleans, La.
Application December 7, 1936, Serial No. 66,375
Term of patent 14 years



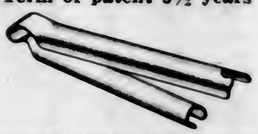
The ornamental design for a combined ticket mutilating and commodity display cabinet, as shown.

103,253
DESIGN FOR A BATHING GARMENT
John Rosenfeld, Philadelphia, Pa.
Application June 3, 1936, Serial No. 62,996
Term of patent 7 years



The ornamental design for a bathing garment, as shown and described.

103,254
DESIGN FOR A CURLER OR SIMILAR ARTICLE
Marie C. Steichen, West Englewood, N. J.
Application June 1, 1935, Serial No. 57,087
Term of patent 3½ years



The ornamental design for a curler or similar article, substantially as shown.

103,255
DESIGN FOR A VACUUM CLEANER
Arthur A. Stone and Charles E. Cook, Highland Park, Mich., assignors to Storoco Engineering Corporation, Highland Park, Mich., a corporation of Michigan
Application July 6, 1936, Serial No. 63,687
Term of patent 3½ years



The ornamental design for a vacuum cleaner, substantially as shown.

103,256
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Annie Trarieux, Tulle, France, assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 18, 1936, Serial No. 63,917
Term of patent 14 years



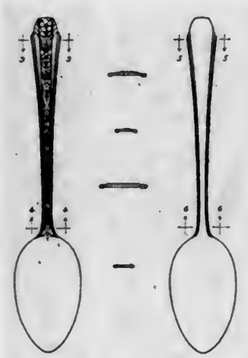
The ornamental design for a plate or similar article, substantially as shown.

103,257
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Annie Trarieux, Tulle, France, assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 18, 1936, Serial No. 63,918
Term of patent 14 years



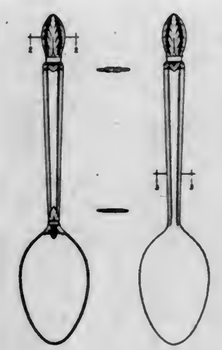
The ornamental design for a plate or similar article, substantially as shown.

103,258
DESIGN FOR A SPOON OR SIMILAR ARTICLE
George L. Turner, Taunton, Mass.
Application December 18, 1936, Serial No. 66,638
Term of patent 14 years



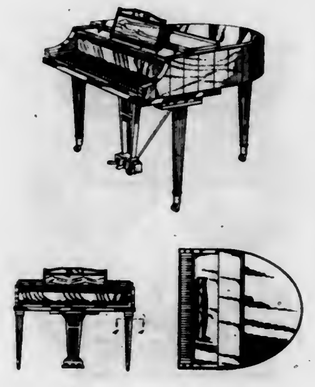
The ornamental design for a spoon or similar article as shown.

103,259
DESIGN FOR A SPOON OR SIMILAR ARTICLE
George L. Turner, Taunton, Mass.
Application December 18, 1936, Serial No. 66,639
Term of patent 14 years



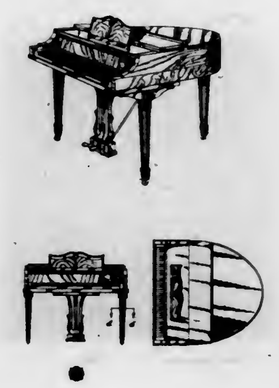
The ornamental design for a spoon or similar article as shown.

103,260
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application December 22, 1936, Serial No. 66,693
Term of patent 7 years



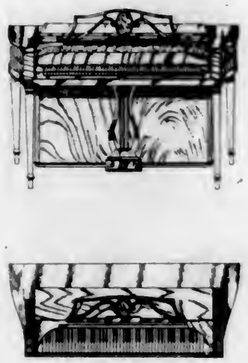
The ornamental design for a piano substantially as shown.

103,261
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application December 22, 1936, Serial No. 66,694
Term of patent 7 years



The ornamental design for a piano substantially as shown.

103,262
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application December 22, 1936, Serial No. 66,695
Term of patent 7 years



The ornamental design for a piano substantially as shown.

103,263
DESIGN FOR A SHOE
Sol J. Waxelbaum, Atlanta, Ga.
Application December 28, 1936, Serial No. 66,773
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

103,264
DESIGN FOR A RUG
Moubrey D. Baird, Babylon, N. Y., assignor to Nathan Emerson Herzfeld and Saul Stephen Herzfeld, co-partners doing business as Stephen Rug Mills, New York, N. Y.
Application January 11, 1937, Serial No. 67,008
Term of patent 3½ years



The ornamental design for a rug, as shown and described.

103,265
DESIGN FOR A RUG
Moubrey D. Baird, Babylon, N. Y., assignor to Nathan Emerson Herzfeld and Saul Stephen Herzfeld, co-partners doing business as Stephen Rug Mills, New York, N. Y.
Application January 11, 1937, Serial No. 67,009
Term of patent 3½ years



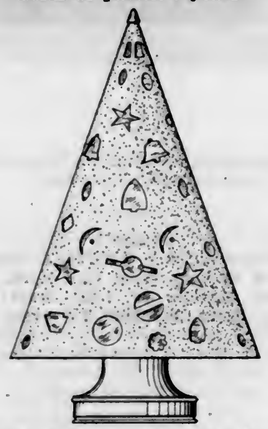
The ornamental design for a rug, as shown and described.

103,266
DESIGN FOR A BOTTLE HOOD
Samuel H. Berch, Los Angeles, Calif., assignor to Western Dairy Products, Inc., Los Angeles, Calif., a corporation of Maryland
Application May 23, 1936, Serial No. 62,791
Term of patent 14 years



The ornamental design for a bottle hood, substantially as shown and described.

103,267
DESIGN FOR AN ARTIFICIAL CHRISTMAS TREE
Bernard F. Muldoon, Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application November 25, 1936, Serial No. 66,135
Term of patent 7 years



The ornamental design for an artificial Christmas tree, as shown and described.

103,268
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application January 5, 1937, Serial No. 66,890
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

103,269
DESIGN FOR A COMBINED CAP AND PEDESTAL FOR A COLLAPSIBLE TUBE
Philip Reinsberg, Chicago, Ill.
Application December 11, 1936, Serial No. 66,481
Term of patent 3½ years



The ornamental design for a combined cap and pedestal for a collapsible tube, substantially as shown.

103,270
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 21, 1937, Serial No. 67,161
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,271
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 21, 1937, Serial No. 67,162
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,272
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 21, 1937, Serial No. 67,163
Term of patent 3½ years



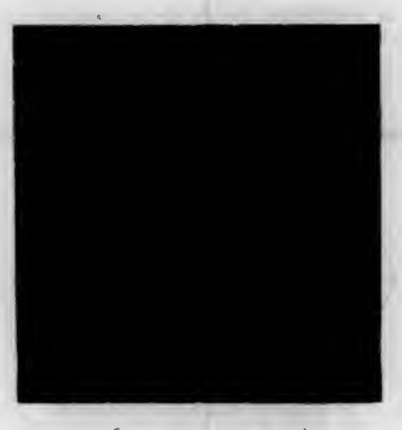
The ornamental design for a textile fabric, substantially as shown and described.

103,273
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 21, 1937, Serial No. 67,164
Term of patent 3½ years



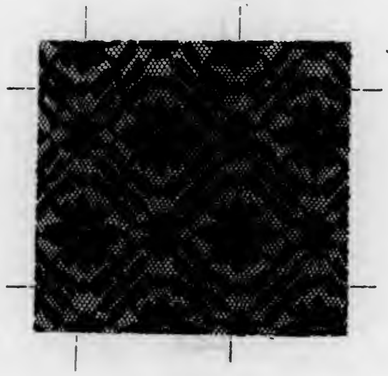
The ornamental design for a textile fabric, substantially as shown and described.

103,274
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application January 21, 1937, Serial No. 67,165
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

103,275
DESIGN FOR A LACE
Leon Birnbaum, New York, N. Y.
Application January 21, 1937, Serial No. 67,180
Term of patent 3½ years



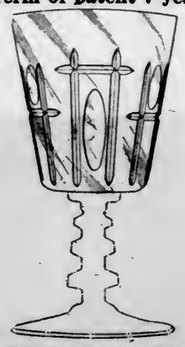
The ornamental design for a lace substantially as shown and described.

103,276
DESIGN FOR A TEXTILE FABRIC
Oscar J. Cahn, New York, N. Y.
Application February 27, 1936, Serial No. 61,376
Term of patent 3½ years



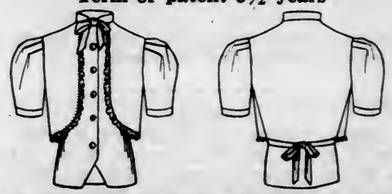
The ornamental design for a textile fabric substantially as shown and described.

103,277
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application December 23, 1936, Serial No. 66,699
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

103,278
DESIGN FOR A BLOUSE
William Freedman, New York, N. Y.
Application December 31, 1936, Serial No. 66,827
Term of patent 3½ years



The ornamental design for a blouse, substantially as shown and described.

103,279
DESIGN FOR A TEXTILE FABRIC
Attilio Gatti, New York, N. Y.
Application January 21, 1937, Serial No. 67,204
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

103,280
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 10, 1936, Serial No. 65,236
Term of patent 3½ years



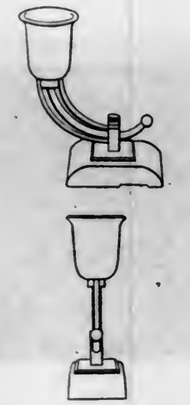
The ornamental design for a textile fabric substantially as shown and described.

103,281
DESIGN FOR DECORATIVE PAPER
Robert F. Hobbs, Jr., Washington, N. J., assignor to Hazen Paper Company, Holyoke, Mass.
Application December 16, 1936, Serial No. 66,579
Term of patent 7 years



The ornamental design for decorative paper, as shown.

103,282
DESIGN FOR A LAMP
Maurice Langbaum, Brooklyn, N. Y.
Application December 4, 1936, Serial No. 66,310
Term of patent 3½ years



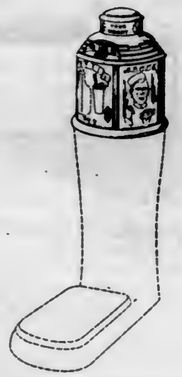
The ornamental design for a lamp, substantially as shown, and described.

103,283
DESIGN FOR A SHOE
Samuel Weinstat, New York, N. Y., assignor to Bancroft Walker Company, Waltham, Mass., a corporation of Massachusetts
Application July 25, 1936, Serial No. 64,037
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

103,284
DESIGN FOR A WEIGHING DEVICE
Ode D. Jennings, Chicago, Ill., assignor to O. D. Jennings & Co., Chicago, Ill., a corporation of Illinois
Application December 18, 1936, Serial No. 66,627
Term of patent 3½ years



The ornamental design for a weighing device, as shown.

103,285
DESIGN FOR A GLOVE
Lucie J. Maclear, New York, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Application December 2, 1936, Serial No. 66,254
Term of patent 3½ years



The ornamental design for a glove, as shown and described.

103,286
DESIGN FOR A JUG
Willis O. Prouty, Hermosa Beach, Calif.
Application June 23, 1936, Serial No. 63,444
Term of patent 14 years



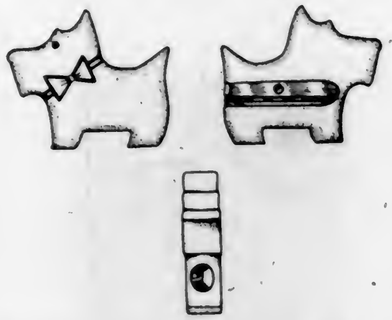
The ornamental design for a jug substantially as shown and described.

103,287
DESIGN FOR A BOTTLE
Edwin T. Reynolds, West New York, N. J., assignor to Lorr Laboratories, Inc., West New York, N. J., a corporation of New Jersey
Application December 21, 1936, Serial No. 66,667
Term of patent 14 years



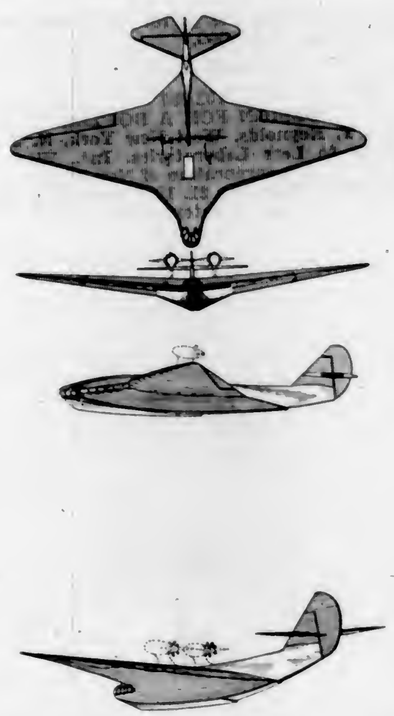
The ornamental design for a bottle, as shown.

103,288
DESIGN FOR A PENCIL SHARPENER
Joseph Ross, New York, N. Y.
Application October 20, 1936, Serial No. 65,381
Term of patent 3½ years



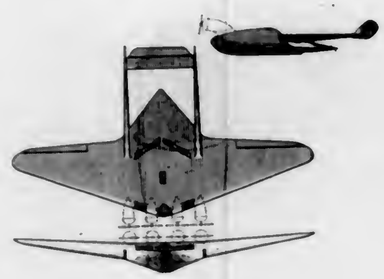
The ornamental design for a pencil sharpener, substantially as shown and described.

103,289
DESIGN FOR AN AEROPLANE
Johannes H. Wendt, Chicago, Ill., assignor of one-half to Mart E. Lee, Chicago, Ill.
Application January 25, 1935, Serial No. 55,053
Term of patent 14 years



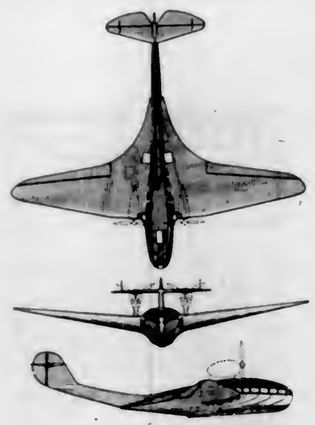
The ornamental design for an aeroplane substantially as shown and described.

103,290
DESIGN FOR AN AEROPLANE
Johannes H. Wendt, Chicago, Ill., assignor of one-half to Mart E. Lee, Chicago, Ill.
Application March 8, 1935, Serial No. 55,783
Term of patent 14 years



The ornamental design for an aeroplane substantially as shown and described.

103,291
DESIGN FOR AN AEROPLANE
Johannes H. Wendt, Chicago, Ill., assignor of one-half to Mart E. Lee, Chicago, Ill.
Application April 6, 1936, Serial No. 61,967
Term of patent 14 years



The ornamental design for an aeroplane substantially as shown.

Patents Nos. 2,071,314 to 2,072,075

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 475—No. 4 TUESDAY, FEBRUARY 23, 1937 Price—$16 per year

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February 23, 1937

Trade-Marks	211—No.	343,423 to No.	343,633, inclusive.
T. M. Renewals	15		
Labels	57—No.	48,969 to No.	49,025, inclusive.
Prints	17—No.	16,080 to No.	16,096, inclusive.
Reissues	4—No.	20,275 to No.	20,278, inclusive.
Patents	762—No.	2,071,314 to No.	2,072,075, inclusive.
Designs	92—No.	103,292 to No.	103,383, inclusive.
Total	1,158		

Trade-Marks—Philippine Islands—Period for Opposition to Registration

DECEMBER 1, 1936.
COMMERCE ADMINISTRATIVE ORDER No. 8-2

Subject: Further amending section 20 of Commerce Administrative Order No. 8.

1. Section 20 of Commerce Administrative Order No. 8, issued on May 11, 1934, is hereby further amended so as to read as follows:

"Sec. 20. Any person who believes that his interests or rights would be prejudiced by registration of a trade-mark or a trade-name used on cigars or cigarettes may oppose the same by filing a written notice of opposition stating the ground therefor with the Director of Commerce within fifteen days after the last publication of the application in the OFFICIAL GAZETTE; and any person who believes that his interests or rights would be prejudiced by registration of any trade-mark or trade-name used on any article of commerce other than cigars or cigarettes, may oppose the same by filing with the Director of Commerce, a written notice of opposition stating the grounds therefor within 60 days after the publication of the application in the OFFICIAL GAZETTE. All notices of opposition shall be duly verified by the persons filing the same. In case the person filing the opposition resides in any State, Territory, District of Columbia, or any dependency of the United States, verification may be made before a notary public or an officer duly authorized by law of such State, Territory, District, or dependency to take acknowledgements provided that the certificate of said notary public or officer shall be authenticated by the county clerk or his deputy, or by a clerk or deputy clerk of any court of record of the county, municipality, or judicial district, or by the secretary of state, executive secretary, or other similar functionary of the State, Territory, District, or dependency wherein the verification is made. In case the person resides in a foreign country, verification may be made before (1) an ambassador, minister, secretary of legation, chargé d'affaires, consul, vice-consul, or consular agent of the United States; or (2) a notary public or officer duly authorized by law of the country to take acknowledgements provided that the certificate of such notary public or officer shall be authenticated by an ambassador, minister, secretary of legation, chargé d'affaires, consul, vice-consul, or consular agent of the United States. Three specimens (or facsimiles) of the trade-mark actually used by the opposer, if there be such, should be filed. An opposition may be filed by a duly authorized attorney, but such opposition shall be null and void unless duly verified by the opposer, within a reasonable time after such filing. Two duplicate copies of the notice of opposition must be filed, either with the notice of opposition or within a reasonable time after the filing of the same."

2. This Administrative Order shall take effect as of the date of its publication in the OFFICIAL GAZETTE.

(Signed) EULOGIO RODRIGUEZ,
Secretary of Agriculture and Commerce.

Recommended:
(Signed) CORNELIO BALMACEDA,
Director of Commerce.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Feb. 6, 1937.*

The heirs, assigns, or legal representatives of Franklin Schroyer, deceased, take notice:

A cancellation proceeding has been instituted by this Office upon the application of May Oil Burner Corporation, Maryland Avenue and Oliver Street, Baltimore, Md., to effect the cancellation of the trade-mark registration of Franklin Schroyer, Lock Box #11, Hutchinson, Kans., No. 212,028, dated April 27, 1926, and the notice of such proceeding sent by registered mail to said Franklin Schroyer at the said address has been returned by the post office with the notation "Deceased" endorsed thereon. The letter sent to the legal representatives of said Schroyer, suspending proceedings in order that they might intervene, has also been returned by the post office as undeliverable. Notice is hereby given that unless said Franklin Schroyer, his heirs, assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business February 6, 1937

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 36,366; Trade-Mark Division, 1,509. Oldest new case, August 21, 1936; oldest amended, July 31, 1936.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 16	Nov. 27	388
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Sept. 12	Sept. 4	836
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 12	Nov. 14	474
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Oct. 8	Oct. 13	582
3077	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Nov. 11	Nov. 13	445
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 14	Oct. 5	600
5725	7. JARBOE, C. G., Optics; Photography	Nov. 10	Nov. 9	824
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 12	Oct. 29	433
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 9	Nov. 14	387
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Nov. 5	Nov. 13	466
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 9	Nov. 13	415
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Sept. 29	Sept. 5	596
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 11	Nov. 24	488
5097	14. SMITH, G. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Oct. 21	Oct. 22	555
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 5	Nov. 5	910
5612	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 17	Oct. 17	619
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 12	Nov. 11	525
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 14	Oct. 5	476
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 10	Oct. 20	678
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 17	Oct. 20	476
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 6	Nov. 6	598
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 9	Nov. 9	695
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Aug. 22	July 31	251
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 10	Nov. 12	572
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 5	Nov. 2	552
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Nov. 23	Nov. 25	361
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Sept. 7	Sept. 7	760
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Nov. 5	Oct. 29	324
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Nov. 6	Nov. 9	478
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 8	Oct. 7	660
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 13	Nov. 7	427
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation, Agitating.	Nov. 5	Nov. 11	449
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Oct. 13	Nov. 6	646
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Nov. 7	Nov. 9	320
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 19	Oct. 6	692
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 12	Nov. 19	277
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 12	Oct. 23	668
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Nov. 16	Oct. 24	388
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 28	Nov. 5	420
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 7	Oct. 7	1066
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 21	Aug. 24	464
5882	42. CUTTING, H. O., Electric Signaling	Nov. 6	Oct. 31	405
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Nov. 6	Nov. 6	615
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Oct. 12	Oct. 7	646
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 19	Oct. 17	574
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 17	Oct. 20	505
7600	47. BARKER, H., Clutches; Brakes	Nov. 12	Nov. 12	462
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 7	Nov. 7	547
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 27	Nov. 23	379
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Nov. 6	Nov. 6	558
5628	51. BACKUS, C. D., Radiant Energy	Nov. 7	Nov. 7	701
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 13	Nov. 16	654
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 30	Sept. 30	993
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Nov. 11	Nov. 14	312
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 10	Sept. 10	741
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Oct. 23	Oct. 23	914
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Oct. 15	Oct. 27	527
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 6	Nov. 11	305
4709	59. SHEPARD P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Nov. 8	Nov. 16	371
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Oct. 3	Oct. 2	617
6724	61. PARKS, O. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Nov. 10	Nov. 24	254
3876	62. PUOH, E. C., Games; Geometrical Instruments	Nov. 14	Nov. 11	449
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Oct. 29	Oct. 29	517
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Nov. 7	Nov. 7	782
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 29	Aug. 24	768
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Dec. 28	Jan. 8	1358
	{Labels and Prints	Jan. 9	Jan. 22	211
2605	DESIGNS, H. H. KALUPY	Jan. 12	Jan 21	539

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE DAVIS

No. 3,571. Decided November 30, 1936.

86 F.(2d) 342

PATENTABILITY—BUILDING SLABS AND STRUCTURE MADE OF SAME.

Certain claims for a building slab and for a structure made of such slabs *Held* unpatentable over the prior art, and a claim for such atructure reciting metallic members on said slabs tongued and grooved together in a tight frictional joint *Held* patentable.

APPEAL from the Patent Office. Modified.

Mr. Ellis S. Middleton and *Mr. Walter M. O'Brien* for Davis.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

The appellant made application to the United States Patent Office for a patent for a certain alleged new and useful improvement in gypsum lumber. The application was for a reissue. Claims 1 to 10, being claims of the original patent, were allowed, while the remainder of the claims, 11 to 22, inclusive, were denied by both the Examiner and the Board of Appeals.

The appellant has appealed from the decision of the Board, as to all of said rejected claims.

The subject matter of the application is a so-called improvement in slabs for building purposes, which slabs are preferably made of gypsum. The appellant's claims are typified by claims 11 and 12, which are as follows:

11. A precast slab of set plastic material having metallic members extending over all four edges thereof, each of said members having a horizontal flange, parallel with a slab face, a metallic member on one edge being longitudinally tongued and the opposite member being correspondingly grooved, the metallic members being rigidly joined together at their abutting ends.

12. In a building construction, a plurality of preformed gypsum slabs arranged in a plane, each slab having on at least one pair of opposite edges metallic members, said members having inwardly turned flanges in the planes of the slab surfaces and forming edge reinforcements for opposite edges of each of said slabs, adjacent metallic members being tongued and grooved together in a tight frictional joint, and means for supporting said slabs.

These claims were rejected on reference to the following: Bailey, 603,591, May 3, 1898; Fusch, 917,859, April 13, 1909; Birdsey, 1,902,835, March 28, 1933; Marks, 1,912,290, May 30, 1933.

The gypsum lumber, as shown by appellant's specification, is made as follows: Each precast slab is composed of metallic members consisting essentially of a channel having top and bottom flanges, which respectively overlie a body of set cementitious material poured between the structural members. This may be of gypsum with a proportion of wood chips as a filler, or of some other material which can be readily worked and sawed or nailed. The metallic structural members which surround the slab are made with a tongue in one member which fits into a corresponding groove in the member which is to be placed adjacent to it. The channel members which surround the margins of the block and form its frame are fastened together at the corners, although the specification provides that in some cases this need not be done, as the cementitious material will obviate the necessity of such connection between the various structural members. These slabs are of sufficient size and strength to make units in a roof or floor construction, and when placed in a building are interlocked in such a manner, by means of the tongues and grooves, that joints can be broken and an entire structure be made without particular reference to the location of the purlins or beam spacings. It is specified that the tongues and grooves shall be so constructed that the plane surfaces which compose the respective grooves and tongues shall make an angle of less than 45 degrees with the plane of one face of the slab. This, it is claimed, prevents slipping and constitutes a tight frictional engagement of the slabs when placed in position.

The Board of Appeals was of opinion that claim 11 was anticipated by the patents to Fusch and Bailey; that claims 15 and 16 were "fairly met" by Fusch and Marks, and were unpatentable over Fusch in view of Bailey. The remaining claims, which include claim 17, amended for the purposes of appeal, were rejected "on the combination of references to which we have referred, adding the Marks' patent to Fusch in combining with Bailey." The patent to Birdsey was, in the view of the Board, not essential, but was considered as cumulative.

The patent to Bailey discloses improvements in fireproof partitions relating essentially to metallic tongued and grooved matching strips arranged between the edges of terra-cotta slabs, blocks, or plates used in the construction of walls, partitions, ceilings, and the like. These slabs or blocks may be made of plaster, cement, or any material which may be molded in a soft shape, and which will harden for use. In one form of his invention, Bailey shows his slabs to be made with metal reinforcements about the edges, and which slabs are adapted to be fastened together by tongues and grooves of metal, placed on adjacent slabs, and which tongues and grooves are, as shown by the drawings, semicircular in shape.

The patent to Fusch shows a reinforced concrete slab, which consists of a metal framework with reinforcing cross rods, and which metal framework is filled with a slab of concrete. In the construction of the frame, channel beams are used to fabricate the edges, which channel beams have flanges, and in the corners of which channel beams are openings, through which pins are inserted to secure the slabs together at the corners by means of a metallic plate provided for that purpose. It will be noted that the specification recites, in part:

"The frame is rectangular in shape, and may be of any size desired. In the construction of the frame I employ

channel *beams*, the flanges 6 of which are inwardly directed as clearly shown in Fig. 4 of the drawings." [Italics ours.]

[Italics ours.]

The patent to Birdsey shows a ceiling construction, showing the use of gypsum or concrete slabs which are so cast as to provide tongues along the longitudinal edge of each slab so that the slabs may be interlocked by means of the union of these tongues in contacting slabs.

The patent to Marks shows slabs of gypsum with edges enclosed in metal channels along the opposite longitudinal sides of the slabs.

It is argued by the appellant that the rejected claims herein recite the use of *"metallic members"* [italics ours] surrounding each gypsum slab, and that the patent to Fusch, which is principally relied upon by the Patent Office, shows the use of but one member, it being thought by the appellant that the surrounding metallic frame of the slab in Fusch is cast in a unitary way. We have already recited that in the specification of Fusch, the patentee states that in the construction of these slabs, channel beams are used, and there is also good reason to assume that more than one member is used, from the appearance of Figure 2 of the drawings in this patent. However, be this as it may, we are inclined to agree with the Board of Appeals that the change of a unitary frame into one of several pieces welded together would not create a patentable distinction. *In re Holmes*, 20 C. C. P. A. (Patents) 899, 63 F.(2d) 642, 431 O. G. 780.

We have examined the claims of the appellant which were rejected, and agree with the Board of Appeals that claim 11, and claims 13 to 22, inclusive, are unpatentable over the references cited by the Board of Appeals.

However, as to claim 12, we have arrived at a different conclusion. It will be observed that this claim recites that the adjacent metallic members are tongued and grooved together "in a tight frictional joint". The Board of Appeals was of opinion that the tongued and grooved construction of the appellant was anticipated by the disclosure of Bailey. As we have said, however, Bailey shows a tongue and groove construction which is half-round in shape. The argument is appealing that such a construction does not constitute a tight frictional joint, but is a joint which would readily yield to vertical pressure. The construction shown by the appellant being composed of adjacent surfaces, with angles of less than 45 degrees, would, to our minds, constitute a tight frictional joint which would add to the solidity and firmness of the structure. It is admitted by counsel for appellant that there is at least one other tight frictional joint used on such slabs. This structure, however, is not found in any of the references, and the matter must be determined upon the record as it comes to us. We are concerned only with the showing made by the references here, in particular the reference Bailey. We are of opinion that the patent to Bailey does not disclose a tight frictional joint, and are therefore of the opinion that the Board of Appeals should have allowed claim 12.

The decision of the Board of Appeals is modified, being affirmed as to claims 11, and 13 to 22, inclusive, and reversed as to claim 12.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,153,217, J. F. Grace, Condenser, C. C. A., 2d Cir., Doc. 14779, *Worthington Pump & Machinery Corp.* v. *Ingersoll-Rand Co.* Decree affirmed (notice Jan. 4, 1937).

1,354,939, H. D. Arnold, Vacuum tube device; 1,459,412, A. M. Nicolson, Thermionic translating device; 1,479,778, H. J. Van der Bijl, Vacuum tube device; 1,893,466, R. F. Gowen, Audion construction, filed Dec. 16, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 1077–J, *R. C. A. et al.* v. *Pacific Trading Co.*

1,410,662, C. Even, License plate, D. C., S. D. Calif., C. Div., Doc. E 1010–S, *L. E. Stark et al.* v. *Kelley Kar Co.* Consent decree for plaintiff Nov. 6, 1936.

1,441,545. (See Re. 16,257.) 1,459,412. (See 1,354,939.)

1,479,778. (See 1,354,939.)

1,550,332, P. A. Bancel, Surface condenser, C. C. A., 2d Cir., Doc. —, *Ingersoll-Rand Co.* v. *Worthington Pump & Machinery Corp.* Decree affirmed (notice Jan. 4, 1936).

1,646,563, J. R. Sonneborn, Box wrapping system, D. C., M. D. Pa. (Scranton), Doc. 885, *Autokraft Box Corp.* v. *New Cumberland Box Co.* Injunction Dec. 23, 1936.

1,718,474, J. W. McQuaid, Piston, D. C., S. D. Tex. (Houston), Doc. E 532, *D. & M. Machine Works et al.* v. *Texas Rubber & Specialty Corp.* Decree of dismissal as directed by mandate from C. C. A. Dec. 22, 1936.

1,754,669, J. H. Cohen, Heater, appeal filed Dec. 9, 1936, C. C. A., 1st Cir., Doc. 3211, *Casco Products Corp.* v. *M. Zaiger (Lion Products Co.).*

1,754,959, D. F. Matushenko, Bracelet lock, filed Dec. 29, 1936, D. C., E. D. N. Y., Doc. E 8236, *D. F. Matushenko et al.* v. *Moray's Watch Case Co., Inc.*

1,782,870, J. G. Dickson, Gasket, D. C. Wis. (Milwaukee), Doc. 4847, *Dickson Gasket Co.* v. *De Boer Motors, Inc.* Patent held invalid; bill dismissed Dec. 15, 1936.

1,799,987, C. F. Rauen, Power transmission, filed Dec. 7, 1936, D. C., E. D. Mich., N. Div., Doc. 589, *C. F. Rauen* v. *Chevrolet Motor Co.*

1,802,700, V. A. Boker, Nozzle for lubricating systems, D. C., N. D. Ill., E. Div., Doc. 14362, *Min-A-Mac Co. et al.* v. *The Norlipp Co.* Consent decree holding patent valid and infringed by structure identified as defendant's Exhibit "A" Sept. 30, 1936.

1,815,768, A. Georgiev, Electrolyte, D. C., S. D. N. Y., Doc. E 76/188, *Aerovox Corp.* v. *Bruno-N. Y., Inc.* Dismissed without prejudice Jan. 11, 1937.

1,844,354, J. Grant, Expanding well reamer, D. C., S. D. Calif. (Los Angeles), Doc. E 389–J, *J. Grant* v. *E. Koppl et al. (Wesko Oil Tool Co.).* Decree for defendant, patent held not infringed Jan. 7, 1937.

1,886,250, G. W. Bungay, Juice extractor, D. C., W. D. Mo. (Kansas City), Doc. 2200, *Aluminum Cooking Utensil Co. et al.* v. *Standard Brass Mfg. Co. et al.* Decree for permanent injunction Jan. 8, 1937.

1,886,257, O. Brisbois, Type bar soldering machine, D. C., N. D. Ill., E. Div., Doc. 14191, *O. Brisbois et al.* v. *Woodstock Typewriter Co.* Dismissed with prejudice Dec. 8, 1936.

1,893,466. (See 1,354,939.)

1,897,153, R. Thornton, Tandem drive for motor vehicles, D. C., E. D. Mich. (Detroit), Doc. 7533, *Patent Developers, Inc., et al.* v. *Gear Grinding Machine Co. et al.* Decree for plaintiff Dec. 19, 1936.

1,928,404, J. H. Woock et al., Method and apparatus for retreading tires, D. C., S. D. Calif. (Los Angeles), Doc. E 266–J, *Super Mold Corp.* v. *S. Schuster et al.* Decree for plaintiff; injunction Jan. 8, 1937.

1,945,734, H. R. Cullmer, Doorlock and framing; 2,060,283, same, Elevator car control, filed Dec. 16, 1936, D. C., S. D. N. Y., Doc. E 84/215, *Elevator Appliance Co., Inc., et al.* v. *H. Leon.* Same, filed Dec. 18, 1936, D. C., E. D. N. Y., Doc. E 8199, *Elevator Appliance Co., Inc., et al.* v. *Atlantic Metal Products, Inc.*

1,947,748, G. van Wormer, Paper cleaning machine, filed Dec. 24, 1936, D. C., S. D. Ohio, W. Div., Doc. 1004, *G. van Wormer* v. *The Champion Paper & Fibre Co.*

1,953,122, Munson & Becker, Apparatus for the manufacture of containers from cellulose sheets, D. C., N. D. Ill., E. Div., Doc. 14673, *Du Pont Cellophane Co., Inc.* v. *Vis-O-Tube Co.* Decree holding patent invalid for want of invention and dismissing bill May 14, 1936.

1,956,249, H. R. Paulick, Ventilator, D. C., N. D. Ill., E. Div., Doc. 14164, *Dearborn Glass Co.* v. *R. C. Burgess.* Claims 1 and 2 held valid and infringed; injunction Oct. 13, 1936.

1,965,995, F. R. Tripp, Overcoat, raincoat, and like garments, C. C. A., 2d Cir., Doc. —, *Wreal Cravat Holder Co., Inc., et al.* v. *Lordds, Inc., et al.* Decree affirmed (notice Jan. 4, 1937).

1,966,063, C. A. Domler, Bracelet connector, filed Jan. 13, 1937, D. C. R. I., Doc. E 554, *The Hadley Co., Inc.*, v. *Providence Stock Co.*

1,966,722, A. C. Hoof, Governor, filed Dec. 14, 1936, D. C., E. D. Mich. (Detroit), Doc. 7817, *Hoof Products Co.* v. *Handy Governor Corp.* Same, D. C., N. D. Ill., E. Div., Doc. 14017, *Hoof Products Co.* v. *Klemm Automotive Products Co.* Claims 1, 4, 7, 8, 9, and 11 of 1,915,188 (patent set up in answer) and claims 2, 3, 4, 5, and 7 of 1,966,722 held invalid; bill, counterclaim, and cross counterclaim dismissed Oct. 30, 1936.

1,968,226, C. R. Simpkins, Vending machine, D. C., N. D. Ill., E. Div., Doc. 14954, *The Exhibit Supply Co.* v. *The Ad-Lee Co.* Consent decree holding patent valid and infringed; injunction July 7, 1936.

1,973,842, F. C. Broderick, Hot-water heating system, D. C., N. D. Ill., E. Div., Doc. 14661, *F. C. Broderick* v. *Bell & Gossett Co.* Dismissed by stipulation May 28, 1936.

1,974,535, A. M. Graffis, Motor vehicle, D. C., N. D. Ill., E. Div., Doc. 14942, *K. M. Graffis et al.* v. *T. J. Hay, Inc.* Dismissed without prejudice Oct. 30, 1936.

1,977,138, W. H. Newey, Receptacle cleaning and filling apparatus, D. C., N. D. Ill., E. Div., Doc. 14295, *Pneumatic Scale Corp., Ltd.* v. *U. S. Bottlers Machinery Co.* Bill and counterclaim dismissed without prejudice Dec. 3, 1936.

1,980,048, G. F. French, Ladder web of venetian blind, filed Dec. 16, 1936, D. C. Conn. (New Haven), Doc. E 2581, *Thos. French & Sons, Ltd.* v. *Russell Mfg. Co.*

1,984,827, H. Derman, Covered rack for doors, D. C., S. D. N. Y., Doc. E 84/192, *Decorative Cabinet Corp et al.* v. *Sebrite, Inc.* Consent order discontinuing action and admitting validity of patent (notice Jan. 8, 1937).

1,984,973, S. Krasnov, Slip cover for furniture, filed Jan. 11, 1937, D. C., S. D. N. Y., Doc. E 84/246, *Sure-Fit Products Co.* v. *Vatco Mfg. Co., Inc.*

1,998,994, G. S. Lewis, Bicycle frame, D. C., N. D. Ill., E. Div., Doc. 14860, *Battery Patents Corp* v. *Sears, Roebuck and Co.* Dismissed by stipulation without prejudice May 4, 1936.

2,002,102, W. M. Veaux, Apple box, filed Dec. 15, 1936, D. C. Oreg. (Portland), Doc. E 9675, *W. Veaux* v. *Southern Oregon Sales, Inc.*

2,005,361, Rollins & Dobbs, Cap, C. C. A., 2d Cir., Doc. —, *G. D. Rollins et al.* v. *Liggett Drug Co., Inc.* Decree reversed (notice Jan. 4, 1937).

2,007,805, Lippert & Cramer, Self-locking cap for gas tanks, D. C., N. D. Ill., E. Div., Doc. 15022, *The Norlipp Co.* v. *Franklin Die Casting Co. et al.* Consent decree holding patent valid and infringed; injunction Nov. 18, 1936.

2,008,858, H. C. French, Tank vehicle; Des. 91,930, same, Design for a tank truck; Des. 92,686, F. G. Thwaits, Design for a trailer tank vehicle; Des. 93,190, Des. 94,790, Des. 94,791, Des. 98,125, Des. 100,883, Des. 101,016, same, Design for a tank vehicle; Des. 97653, same, Design for a semitrailer vehicular tank, filed Dec. 14, 1936, D. C., E. D. Ill. (East St. Louis), Doc. E 4711, *The Heil Co.* v. *A. Martin et al. (Progress Mfg. Co.).*

2,009,199, M. W. Pehotsky, Battery bracket, filed Dec. 23, 1936, D. C., N. D. Ohio, E. Div., Doc. 5554, *M. Pehotsky* v. *The Ford Motor Co.*

2,025,691, H. A. Mintz, Stamping machine, D. C., N. D. Ill., E. Div., Doc. 15391, *Franklin Patent Co., Inc.*, v. *C. & E. Marshall Co.* Dismissed on motion of plaintiff Dec. 18, 1936.

2,039,529, R. H. Guinzburg, Rubber products, D. C., S. D. N. Y., Doc. E 84/147, *I. B. Kleinert Rubber Co.* v. *Ira Novick & Co.* Consent decree for plaintiff (notice Dec. 26, 1936).

2,041,982, Van Doren & Rideout, Sled, filed Dec. 15, 1936, D. C., E. D. Mich. (Detroit), Doc. 7818, *American National Co.* v. *Pratt Mfg. Co.*

2,043,418, J. Newmark, Valve stem handle, filed Dec. 23, 1936, D. C., S. D. N. Y., Doc. E 84/223, *Die Casting Corp. of America* v. *Frank Bros. Mfg. Co., Inc.*

2,045,149, E. W. Vessey, Apparatus for harvesting and packaging lettuce, D. C., S. D. Calif. (Los Angeles), Doc. E 1032–H, *E. W. Vessey* v. *C. H. Martin et al.* Decree sustaining patent Dec. 15, 1936.

2,049,029, M. H. Storch, Frame assembly for mirrors, D. C., S. D. N. Y., Doc. E 84/89, *M. H. Storch et al.* v. *Ramel Mfg. Co., Inc.* Consent order of discontinuance (notice Dec. 23, 1936).

2,053,504, C. S. Van Sickle, Soil disrupter, filed Dec. 23, 1936, D. C., E. D. Wash. (Spokane), Doc. E 4478, *C. S. Van Sickle* v. *W. H. Pendell et al.*

2,060,283. (See 1,945,734.)

Re. 16,257, J. G. Thomas, Clutch and brake control on road vehicles, filed Nov. 23, 1936, D. C., N. D. Ill., E. Div., Doc. 15408, *General Motors Corp et al.* v. *Berg Bros. Mfg. Co.*

Re. 16,941, R. E. Ottenheimer, Refrigerating case, C. C. A., 4th Cir., Doc. 4091, *Ottenheimer Bros., Inc., et al.* v. *A. Libowitz (Howard Store Fixture Co.).* Decree holding patent void for lack of invention affirmed; bill dismissed Jan. 7, 1937.

Re. 18,211, D. Tulchin, Turnstile, C. C. A., 2d Cir., Doc. —, *D. Tulchin* v. *Perey Mfg. Co., Inc., et al.* Decree reversed (notice Jan. 4, 1937).

Re. 19,030, L. Sugerman, Twin-section egg carton, filed Dec. 9, 1936, D. C., N. D., Ill., E. Div., Doc. 15473, *L. Benoit* v. *Spring Cushion Egg Carton Corp.*

Des. 86,217, G. W. Bungay, Juice extractor, D. C., W. D. Mo. (Kansas City), Doc. 2061, *Bungay-Wolf Corp* v. *Standard Brass Mfg. Co. et al.* Injunction Jan. 8, 1937.

Des. 87,097, J. J. Klecka, Finger ring, D. C., S. D. N. Y., Doc. E 81351, *J. R. Wood & Sons, Inc.*, v. *B. & E. J. Gross Co., Inc.* Dismissed without prejudice (notice Dec. 23, 1936).

Des. 91,692, C. A. Stuart, Metal furniture tubing, D. C., N. D. Ill., E. Div., Doc. 13946, *Simmons Co.* v. *The Rome Co., Inc.* Dismissed without prejudice June 15, 1936.

Des. 91,930. (See 2,008,858.) Des. 92,686. (See 2,008,858.)

Des. 93,190. (See 2,008,858.) Des. 94,790. (See 2,008,858.)

Des. 94,791. (See 2,008,858.) Des. 97,653. (See 2,008,858.)

Des. 97,969, Des. 97,970, A. S. Bowen, Bottle or similar container, filed Oct. 2, 1936, D. C. Honolulu (Hawaii), Doc. E 716, *S. & G. Co.* v. *F. F. Benoit* (*Honolulu Perfumers*).

Des. 97,970. (See Des. 97,969.)

Des. 98,125. (See 2,008,858.)

Des. 98,722, M. R. Hamre, Printed textile fabric, D. C., S. D. N. Y., Doc. E 84/184, *Chas. Bloom, Inc.*, v. *J. W. Woods Co., Inc.* Consent order of discontinuance (notice Dec. 22, 1936).

Des. 100,883. (See 2,008,858.)

Des. 101,016. (See 2,008,858.)

T. M. 309,112, M. L. Mester, Modern Packing Co., Salad and olive oils, D. C., N. D. Ill., E. Div., Doc. 15380, *M. L. Mester et al.* v. *Reliance Products Co.* Consent decree enjoining defendant from using the word "Balbo" Nov. 17, 1936.

T. M. 321,815, I. Palewonsky, Rum, filed Nov. 24, 1936, D. C., N. D. Ill., E. Div. 15411, *I. Palewonsky* v. *H. H. Hartman et al.*

Disclaimers

Re. 19,428.—*Piero Mariano Salerni*, Westminster, England. POWER TRANSMISSION MECHANISM. Patent dated January 15, 1935. Disclaimer filed January 19, 1937, by the patentee.

Hereby enters disclaimer as follows with respect to claims 1, 2, 3, and 4 of said patent:

Your petitioner disclaims from claim 1 of said patent any "synchronizer" which does not, when actuated for the purpose of making change of gear ratio, so interrupt connection between the "driven shaft" and the "propeller shaft" that neither can be caused to transmit power to the other under any conditions of direction of rotation or of speed imparted to said shafts or either of them, and also disclaims from said claim any "synchronizer" in which the drive interrupting elements thereof are not prevented, during reconnecting movement, from coming into contact while their speeds of rotation substantially differ.

Your petitioner disclaims from each of claims 2, 3, and 4 of said patent any "synchronizing means" which does not, when operated for the purpose of making change of gear ratio, so interrupt connection between the "driven shaft" and the "propeller shaft" that neither can be caused to transmit power to the other under any conditions of direction of rotation or of speed imparted to said shafts or either of them, and also disclaims from each of said claims any "synchronizing means" in which the drive interrupting elements thereof are not prevented, during reconnecting movement, from coming into contact while their speeds of rotation substantially differ.

1,852,367.—*Ray Plank*, Rochester, N. Y. TRAIN DISPATCHING SYSTEM FOR RAILROADS. Patent dated April 5, 1932. Disclaimer filed January 21, 1937, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer by disclaiming from claim 1 any system, except wherein the "plurality of circuit branches" include distinctive circuit branches which are controlled by the operation of the "supplemental means" to establish such a distinctive circuit branch at each of the "selector means" for each of said "certain steps".

1,896,936.—*Bruno Bornkessel, Ernst Breitling, Wilhelm Brauer, and Karl August Lehmann*, Essen, Germany. BOOKKEEPING MACHINE. Patent dated February 7, 1933. Disclaimer filed January 21, 1937, by the assignee, *The National Cash Register Company*.

Hereby enters this disclaimer to claim 58 in said specification.

1,980,816.—*Rex D. McDill*, East Cleveland, Ohio. CONTROLLING APPARATUS. Patent dated November 13, 1934. Disclaimer filed January 19, 1937, by the patentee.

Hereby enters this disclaimer to claims 2, 3, 4, and 6 of said patent.

2,013,583.—*Hugh W. Sanford*, Knoxville, Tenn. LOW BOTTOM CAR. Patent dated September 3, 1935. Disclaimer filed January 27, 1937, by the patentee; *Sanford Investment Company*, concurring.

Hereby enters this disclaimer to that part of the claims in said specification which bear Nos. 4 and 12; to the end that the patent shall persist and continue in force with claims 1 to 3, inclusive, 5 to 11, inclusive, and 13 to 35, inclusive, as though originally granted with said inclusive groups of claims only.

Adjudicated Patents

(C. C. A. N. Y.) McManus patent, No. 1,339,066, for bottle-closure, claims 3 and 8 *Held* invalid. *Crown Cork & Seal Co.* v. *Ferdinand Gutmann & Co.*, 86 F.(2d) 698.

(C. C. A. N. Y.) Warth patent, No. 1,899,783, for bottle cap and method of manufacturing same, claim 4 *Held* invalid. *Id.*

(C. C. A. N. Y.) Cohn patent, No. 1,921,808, for method of making closures, *Held* not infringed. *Id.*

(C. C. A. N. Y.) Warth patent, No. 1,956,481, for spot crown and liner material therefor, *Held* invalid. *Id.*

(C. C. A. N. Y.) Warth patent, No. 1,967,195, for method of manufacturing bottle caps, claims 1, 2, and 3 *Held* invalid because of laches in filing claims. *Id.*

(C. C. A. N. Y.) Warth reissue patent, No. 19,117, for process of producing closures, claims 1 and 3 *Held* not infringed. *Id.*

Adverse Decisions in Interference

In interfefences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,887,582, J. H. Davis, Air conditioning method and apparatus for passenger cars, decided October 6, 1936, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 18.

Pat. 1,970,625, G. B. Reed, Method and apparatus for making pile fabrics, decided January 5, 1937, claim 41.

Pat. 2,001,261, B. B. Manaster, Adjustable cravat holder, decided January 6, 1937, claims 1 and 4.

Pat. 2,033,004, B. C. Phillips, Intake control for internal combustion engines, decided January 23, 1937, claim 3.

Pat. 2,043,194, L. W. Eggleston, Valve, decided January 23, 1937, claims 6 and 7.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING JANUARY, 1937

EX PARTE AVENARIUS BROTHERS (R. AVENARIUS & Co., ASSIGNEE, SUBSTITUTED), Serial No. 22,885.

In a decision rendered January 6, 1937 (159 Ms. Dec. 825), *Assistant Commissioner Frazer* held that R. Avenarius & Co., as assignee of Avenarius Brothers, of Stuttgart, Germany, is entitled to have the registration of a trade-mark issued under the act of 1881 renewed, notwithstanding the fact that the mark had never been registered in the country where the original applicant was domiciled.

In his decision after referring to the provisions of the Trade-Mark Act of 1905 with reference to marks used by parties domiciled in a foreign country and noting that there were no corresponding provisions in the act of 1881, and quoting section 12 of the act of 1905, which provides for renewals of registrations and which contains the following provisions:

"Certificates of registration in force at the date at which this act takes effect shall remain in force for the period for which they were issued, but shall be renewable on the same conditions and for the same periods as certificates issued under the provisions of this act, and when so renewed shall have the same force and effect as certificates issued under this act."

he referred to the Examiner's holding that the renewal of a registration granted under the act of 1881 is conditioned upon compliance to the requirements of section 4 of the Trade-Mark Act of 1905, and further noted that the Examiner, in answer to the appeal, had expressed the view that:

"* * * the 'conditions' referred to in section 12 of the act of February 20, 1905, manifestly include compliance with the prerequisites for registration."

He then pointed out why the facts of the present case distinguish from two unpublished decisions of the Patent Office cited by the Examiner and said:

"As construed by the Examiner the statute would confer no right to renew a registration of this character, and the provision for renewal found in the last sentence of section 12 would be rendered meaningless. Such a construction is neither warranted nor desirable. Appellant's rights are fixed by the statute in clear and unambiguous language, and the only 'conditions' there imposed are the filing of a request for renewal within the time prescribed and the payment of the renewal fee. The showing required in the Brown case [Ex parte John S. Brown & Sons, 151 Ms. D. 83] was for the purpose of determining whether the original certificate was actually in force at the time its renewal was requested, and that is of course a necessary condition to all renewals. These conditions have been fully met by appellant, and it is therefore entitled to the renewal of its registration as a matter of right."

EX PARTE JAMES HENRY MURPHY, Serial No. 69,492.

In a decision rendered January 7, 1937 (159 Ms. Dec. 827), *Assistant Commissioner Frazer* held that registration of a label was properly refused where the specimens bore no notice of copyright.

In his decision he noted the following provision of section 9 of the Copyright Act:

"That any person entitled thereto by this act may secure copyright for his work by publication thereof with the notice of copyright required by this act; and such notice shall be affixed to each copy thereof published or offered for sale in the United States by authority of the copyright proprietor, except in the case of books seeking ad interim protection."

and noted that it was not claimed by applicant that any attempt had been made to comply with that requirement and the record shows that the failure to do so was deliberate since applicant argued that the case was covered by the decision of the Court of Appeals in *Four Roses Products Co.* v. *Small Grain Distilling & Drug Co.*, 58 App. D. C. 299, 378 O. G. 506, 1929 C. D. 108, where the applicant for registration was held to have falsely used the notation "Trade-Mark Reg. U. S. Pat. Off." on labels accompanying a petition for registration of a trade-mark.

He then said:

"Applicant states in his brief that this case 'was carefully examined previous to the filing of the label and it was thought then, and is still thought to be the law covering copyrights relative to labels,' and continues:

"'Having in mind, that when the appellant filed his petition, his label was not registered, and was filed for that very purpose, and because the appellant presented the facts as they really existed at the time of filing, not half truths, the seemingly wholly unreasonable and arbitrary power of the Honorable Examiner in refusing to register his label, seems incontestably in contravention of the Federal Constitution, the interest of the public, for the advancement of which the laws were enacted.'

"It appears to be applicant's belief that copyright is obtained by registration, and that until registration of his label has been effected it would be unlawful to affix the notice of copyright. However, as the Examiner has repeatedly attempted to explain to applicant, copyright is secured by publication with notice of copyright, and is a prerequisite to registration."

CALIFRUIT WINERIES, INC., *v.* LEWIS GUERRIERI (A. MORAMARCO, ASSIGNEE, SUBSTITUTED) *v.* MISSION DRY CORPORATION, LTD. (MISSION DRY CORPORATION, ASSIGNEE, SUBSTITUTED), Trade-Mark Interference No. 2185.

In a decision rendered January 13, 1937 (159 Ms. Dec. 830), *Assistant Commissioner Frazer* held that priority of adoption and use of a trade-mark was properly awarded to A. Moramarco, as assignee of Lewis Guerrieri, of Los Angeles, Calif.

The interference involved the application of three parties but only Mission Dry Corporation, of Los Angeles, Calif., appealed.

The mark sought to be registered by the Mission Dry Corporation is the word "Mission", and that sought to be registered by the other two parties consisted of the words "Old Mission".

In his decision, after stating that both appellant and appellee used the mark on wines, and each alleged April 7, 1933 as the first date of use, the Assistant Commissioner said:

"It is not seriously disputed that Moramarco's immediate predecessor began use of the mark on sacramental wines in 1927; and unquestionably interstate sales of his commercial product, likewise bearing the mark, were

commenced in April, 1933. Appellant, on the other hand, made its first shipment of wine under this particular trade-mark July 7, 1933. Not only was this subsequent to the latest possible date of first use to which Moramarco may be restricted, but it was more than two months subsequent to appellant's own filing date, which was April 24, 1933. It seems manifest that either of these facts necessarily precludes favorable action on appellant's application."

Then, after stating that appellant had used its mark since about the year 1919 on various non-alcoholic beverages and insists that such use should inure to its benefit since the use on wines was a proper, logical and reasonable expansion of its business, he said:

"Such a contention may have merit in an opposition proceeding, but here it is clearly untenable. The applications in this interference cover wines only, and the sole question for determination is which of the applicants was the first to adopt and use the trade-mark for that particular merchandise. Appellant's use on other products is not in issue, and in my opinion may not properly be considered."

HIRAM WALKER & SONS, LIMITED (HIRAM WALKER, ASSIGNEE, SUBSTITUTED) *v.* W. & H. WALKER, INC., (TOM WALKER, INC., ASSIGNEE, SUBSTITUTED), Opposition No. 13,941.

In a decision rendered January 16, 1937 (159 Ms. Dec. 832), *Assistant Commissioner Frazer* held that Tom Walker, Inc., as the assignee of W. & H. Walker, Inc., of Pittsburgh, Pa., is not entitled to register the term "Tom Walker" as a trade-mark for whisky both because opposer's priority of use is conceded and because the mark of applicant is the name of an individual not displayed in a "particular or distinctive manner".

Opposer's marks consist of the words "Walker's London Dry Gin", "Walker's Old Rye", "Walker's American Rye Whisky" and "Walker's Bourbon Whisky".

In his decision, after noting applicant's argument that in determining the question of similarity the marks must be considered in their entirety, the Assistant Commissioner said:

"I am constrained to agree with the Examiner that it is 'at least doubtful whether purchasers would be likely to rely upon the descriptive words used in association with the word "Walker's" for the purpose of distinguishing opposer's products from those of other distillers.' Nor do I think the pictorial design of applicant's mark lends sufficient distinction to insure against likelihood of confusion. Applicant's whisky would of necessity be known and called for as 'Tom Walker' whisky, just as opposer's is known and called for as 'Walker's' rye and 'Walker's' bourbon. That confusion would result seems to me at least probable, if not in fact inevitable." (Citing *J. B. Williams Co.* v. *Williams*, 18 C. C. P. A. 1133, 48 Fed.(2d) 398.)

With reference to the argument that the name "Walker" occurs in marks registered to other parties for use on whisky and that such registrations must be considered in determining what must be relied upon by the public in buying "Walker" whisky, he said:

"A similar contention was made before the Court of Customs and Patent Appeals in the recent case of *The Pepsodent Co.* v. *Comfort Manufacturing Co.*, 23 C. C. P. A. 1224, 83 Fed.(2d) 906, and it was there held that evidence of this character may not be considered in determining the question of registrability of an applicant's trade-mark. That ruling is of course controlling here, regardless of prior decisions of the Patent Office in which a contrary view has been expressed."

With reference to the name clause of the statute, he said:

"The registration here opposed was also involved in the opposition proceeding of *John Walker & Sons, Limited*, v. *W. & H. Walker, Inc.*, 470 O. G. 953, 30 U. S. P. Q. 375, and on appeal to the Commissioner the Examiner of Interferences was affirmed in holding applicant's mark unregistrable by reason of the so-called name clause of section 5 of the Trade-Mark Act of 1905. For the reasons fully stated in my decision in that case, I am clearly of the opinion that the name 'Tom Walker' as it appears in applicant's mark is not displayed in a 'particular or distinctive manner' within the meaning of the statute, and that registration was properly refused on that ground."

EX PARTE THE HETTRICK MANUFACTURING COMPANY, Serial No. 375,211.

In a decision rendered January 18, 1937 (159 Ms. Dec. 835), *Assistant Commissioner Frazer* held that The Hettrick Manufacturing Company, of Toledo, Ohio, is not entitled to register, under the act of February 20, 1905, a composite mark used on metal furniture in the absence of a disclaimer of the geographical word "Edgewood" which is the predominating feature of the mark.

In his decision, after referring to section 5 of the Trade-Mark Act and noting applicant's argument that while its mark is geographical it is not "merely" so, since it is suggestive of a shady, restful spot where furniture might be used, the Assistant Commissioner said:

"This argument finds some support in several old Patent Office decisions cited in the brief, but in my opinion it is nevertheless clearly untenable. As I read the language of the statute it leaves no room for exception, but forbids registration of all geographical terms, including those with alternative meanings, one of which may be non-geographical. As opposed to this conclusion applicant relies on the case of *In re Plymouth Motor Corporation*, 18 C. C. P. A. 838, 46 Fed.(2d) 211; but in so far as it is pertinent here, that case has been expressly overruled since applicant's brief was filed. *In re Canada Dry Ginger Ale, Inc.*, (C. C. P. A.), 32 U. S. P. Q. 49.

EX PARTE DUTCH MAID ICE CREAM CO., Serial No. 366,936.

In a decision rendered January 22, 1937 (159 Ms. Dec. 837), *Assistant Commissioner Frazer* held that Dutch Maid Ice Cream Co., of Fargo, N. Dak., is not entitled to register, under the Act of 1905, as a trade-mark for ice cream, a mark consisting of the words "Dutch Maid" in association with the pictorial representation of a Dutch girl, a windmill, and two cows.

In his decision the Assistant Commissioner said:

"Applicant insists that the two marks as a whole are distinctively dissimilar, and that the word features are different in 'spelling and significance.' The fact remains however, that the words when spoken are substantially identical in sound." (Citing the decision in *Marion Lambert, Inc.*, v. *Edward J. O'Connor*, (C. C. P. A.) 32 U. S. P. Q. 41.)

THE FYR-FYTER COMPANY *v.* WILLIAM L. BARRELL CO., INC., Opposition No. 14,122.

In a decision rendered January 25, 1937 (159 Ms. Dec. 833), *Assistant Commissioner Frazer* held that William L. Barrell Co., Inc., of New York, N. Y., is not entitled to register the term "Fire Fighter" as a trade-mark for a "flame-proof, waterproof cotton duck," in view of the corporate name

of the opposer The Fyr-Fyter Company, of Dayton, Ohio.

In his decision, after stating that the opposer was incorporated in 1916 under the name "The Fyr-Fyter Company" and has since that time conducted under that name the business of manufacturing mechanical fire extinguishing apparatus and certain chemical preparations for use in connection therewith, and also a preparation said to have peculiar fire-resisting and fire-proofing characteristics, and noting that the Examiner of Interferences had held that the goods of the parties were not of the same descriptive properties, the Assistant Commissioner said:

"Applicant took no testimony, and there is nothing in the record beyond the mere description of its goods to indicate the nature of their use. It seems reasonable to assume, however, that a flame-proof fabric would be employed only where contact with fire is likely to occur, and its use in connection with fire-extinguishing equipment certainly is not improbable. Hence, while it may be conceded that the goods of the parties are of different descriptive properties, in practice they are likely to be somewhat closely related. In fact I cannot escape the conclusion that the average individual, being familiar with opposer's merchandise and hearing for the first time of 'Fire Fighter' flame-proof cotton duck, would assume that this item was put out by opposer."

He then, after stating that similarity of goods need not be shown in such a proceeding as the present where there has been a substantially complete appropriation of the opposer's name, said:

"In that situation 'the rule of the statute, by its own terms, is absolute and the proposed mark must be denied registration without more.' *American Steel Foundries* v. *Robertson*, 269 U. S. 372. In *The Asbestone Company* v. *The Philip Carey Manufacturing Company*, 41 App. D. C. 507, the word 'Asbestone' was held by the Court of Appeals of the District of Columbia to be the corporate name of The Asbestone Company; and that case was cited with approval by the Court of Customs and Patent Appeals in *Feldman* v. *Amos and Andy*, 21 C. C. P. A. 823, 68 Fed.(2d) 746, where an opposition was sustained on similar grounds though the business interests of the parties were entirely unrelated."

Then, with reference to applicant's contention that opposer was entitled only to protection in the particular spelling of his name and that "Fire Fighter" is not the same as "Fyr-Fyter", he said:

"I think the argument is without merit. The two expressions are identical in sound, and when spoken each is necessarily opposer's corporate name."

PRO-PHY-LAC-TIC BRUSH COMPANY *v.* LESTER D. LAWSON, Trade-Mark Interference No. 2612.

In a decision rendered January 28, 1937 (159 Ms. Dec. 838), *Assistant Commissioner Frazer* held that priority of adoption and use of the trade-mark "Monogram" applied to tooth brushes was properly awarded to Pro-phy-lac-tic Brush Company, of Northampton, Mass.

In his decision the Assistant Commissioner stated that the mark had been registered to the Pro-phy-lac-tic Brush Company and Lester D. Lawson, of Long Beach, Calif., had thereafter applied for registration of the mark, and he further stated that the Pro-phy-lac-tic Company, whose standard product is sold under the trade-mark "Pro-phy-lac-tic" puts out several cheaper grades of brushes, to one of which is applied the mark "Monogram"; that these cheaper brushes do not bear the company's name and the retail purchasers do not know that they are of that company's manufacture; and that counsel for Lawson argued that under these circumstances the manufacturer's mark is nothing more than a grade mark and is not a trade-mark because "of its failure to indicate the origin of the goods."

He then said:

"That a trade-mark must indicate origin is of course fundamental, but I do not think this means that the ultimate consumer of the trade-marked goods must necessarily be informed as to the identity of the trade-mark owner. The public's only concern is that all similar goods bearing a particular brand shall emanate from the same source as those of the same brand with which it is familiar. In the comparatively recent case of *Manhattan Shirt Co.* v. *Sarnoff-Irving Hat Stores*, 164 At. 246, 23 T. M. R. 60, it was said by the Court of Chancery of Delaware: 'When the courts speak of the public's identifying the source of origin, they do not mean thereby that the purchasing public can identify the maker by his specific name or the place of manufacture by precise location. What they mean by such expression is that the purchaser of goods bearing a given label believes that what he buys emanated from the source, whatever its name or place, from which goods bearing that label have always been derived.'"

He also stated that that principle had been recognized in the decision in *Bayer Co.* v. *United Drug Co.*, 272 Fed. 505, in which was cited the English case of *Birmingham Vinegar Brewery Co.* v. *Powell* (1897) App. Cas. 710, 14 R. P. C. 720.

He then said:

"So in the instant case the trade-mark 'Monogram' had become identified with tooth brushes manufactured by the Pro-phy-lac-tic Brush Company, and the fact that the purchasing public was kept in ignorance of that specific source of origin could not impair the company's ownership of its trade-mark. As was said by the Lord Chancellor in *Birmingham Vinegar Brewery Co.* v. *Powell*, supra: 'It may be true that the customer does not know or care who the manufacturer is, but it is a particular manufacture that he desires.' Moreover it must not be overlooked that to the company's immediate customers its identity as the manufacturer of the goods was necessarily known.

"Having been used to indicate origin, the fact that the mark may also have functioned to indicate grade or quality is admittedly immaterial, and need not be considered."

Then with reference to the question, that the Pro-phy-lac-tic Company was estopped to deny ownership of the mark, by Lawson, and referring to a letter written by Lawson to that company, in which he said: "I expect to be able to place an order with you about May, and the brand I have decided to use is 'Monogram.'", and asked to be advised "if there is any objection to using this name" and the company replied "that it would be satisfactory for you to use the name 'Monogram' on your special imprint brushes," and noting that Lawson sought to interpret the correspondence as a contract by which the company divested itself of the right to deny ownership in Lawson, he said:

"The argument seems plausible when viewed in the light of the supposed facts set forth in the brief, but it is not supported by the actual facts disclosed by the record. Lawson took no testimony, and most of that taken by the company relating to this particular transaction is utterly incompetent. It sufficiently appears, however, that the company was supplying its 'Monogram' brushes to any dealer who ordered them; and when Lawson wrote that 'the brand I have decided to use is "Monogram,"' I think he was simply selecting one of several of the company's 'special imprint' brushes. That being true it cannot be said that the company waived any rights by authorizing him to use the mark on the brushes he was about to order. Without such use it would have been at least difficult for him to dispose of the brushes supplied him, for as I understand the record the mark was affixed direct to the goods."

EX PARTE ONE MINUTE WASHER COMPANY, Serial No. 361,831.

In a decision rendered January 29, 1937 (159 Ms. Dec. 841), *Assistant Commissioner Frazer* held that One Minute Washer Company, of Newton, Iowa, is not entitled to register, under the Act of 1905, the notation "One Minute" as a trade-mark for washing machines since the notation is merely descriptive of the goods.

In his decision, after noting applicant's argument that no washing machine had been developed which could wash a garment in a minute and that therefore the term "One Minute" is not descriptive of applicant's product and the contention that the case is controlled by the decision in *Holeproof Hosiery Co.* v. *Wallach Bros.*, 172 Fed. 859, in which "Holeproof", as applied to hosiery, was not descriptive, false, or misleading, the Assistant Commissioner said:

"I do not think that reasoning applies here. Conceivably many prospective purchasers of applicant's goods, while knowing that socks inevitably wear out, may nevertheless be without 'the slightest familiarity with washing machines;' and to such uninformed individuals the term 'One Minute' could rationally convey no other meaning than that pertaining to the machine's speed of operation.

"In my opinion the mark sought to be registered is either descriptive or deceptive, and in either event it is unregistrable under the Act of 1905."

EX PARTE M. H. LYON, Serial No. 347,988.

In a decision rendered January 29, 1937 (159 Ms. Dec. 840), *Assistant Commissioner Frazer* held that M. H. Lyon, of Cincinnati, Ohio, is not entitled to register, under the Act of 1905, the notation "Cleer-Proof", as a trade-mark for printer's ink since the mark is merely descriptive of the goods.

In his decision, after noting applicant's argument that the case is controlled by the decision of the Supreme Court in *Hamilton-Brown Shoe Co.* v. *Wolf Brothers*, 240 U. S. 251, in which the term "The American Girl" was held to be a valid trade-mark for shoes; and stating that he was unable to agree that the decision was even pertinent to the present case, the Assistant Commissioner said:

"In the printing business a proof is 'a trial impression, as from type, taken for correction or examination.'—Webster's New International Dictionary. Its clearness, which is manifestly an important consideration, depends to a great extent on the character of the ink employed. That applicant has developed an ink which he considers especially suitable for this purpose is evidenced by the specimen labels submitted with the application. The directions for use printed thereon are restricted to proof taking, and the printer is cautioned to 'use enough ink to produce a good solid black proof.' To say that 'Cleer-Proof' is not descriptive of the 'character or quality' of an ink designed to produce a clear proof, or 'a good solid black proof,' would in my opinion require an unwarranted distortion of words."

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 23, 1937

[VOL. 475. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 381,312. HÖGANÄS-BILLESHOLMS A-B., Höganas, Sweden. Filed July 22, 1936.

ALUMO

For Electrically Fused Alumina or Bauxite.
Claims use since 1922.

Ser. No. 381,936. HAROLD PAUL FOX, Camden, N. J. Filed Aug. 8, 1936.



The drawing is lined for red and blue.
For Ocean Beach Sand.
Claims use since May, 1932.

Ser. No. 386,458. THE SOCIETÀ ANONIMA SNIA-VISCOSA, SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy. Filed Dec. 7, 1936.

AMBA

For Artificial Textile Fibres, in Staples, Having High Tensile Strength.
Claims use since May 26, 1936.

Ser. No. 386,883. APRIL-CUTTNER CORP., New York, N. Y. Filed Dec. 18, 1936.



For Raw, Dressed, and/or Dyed and/or Blended Furs.
Claims use since Apr. 10, 1935.

Ser. No. 386,953. A. C. LAWRENCE LEATHER COMPANY, Peabody, Mass. Filed Dec. 19, 1936.

BUCCANEER

For Leather.
Claims use since Dec. 3, 1936.

Ser. No. 387,279. J. M. HUBER, INC., New York, N. Y. Filed Dec. 30, 1936.

KAOLEX

For Clays.
Claims use since May 30, 1935.

CLASS 2

Receptacles

Ser. No. 338,571. KEYES FIBRE COMPANY, INC., Waterville, Maine. Filed June 6, 1933.

KEYES
Filler-Flats
KEYES

The words "Filler Flats" are disclaimed apart from the mark.

For Protective Packing Sheets of Molded Pulp Used in Packing and Shipping Eggs and Like Frangible Articles.

Claims use since Nov. 1, 1932.

Ser. No. 385,625. DECOLL, INC., New York, N. Y. Filed Nov. 17, 1936.

DEGLASS

For Hat Boxes Made of Transparent Material.
Claims use since Oct. 14, 1936.

Ser. No. 386,633. EMILY DEWEY, doing business as Emily Dewey Studios, Lake Placid, Fla., and Lake Placid Club, N. Y. Filed Dec. 11, 1936.

Dra-protekt

For Drapery and Curtain Covers Consisting of Bag-Like, Sleeve-Like, or Envelope Covers Made of Cloth or Other Opaque or Transparent Flexible Materials.
Claims use since June 15, 1935.

Ser. No. 386,785. ATLANTA PAPER COMPANY, Atlanta, Ga. Filed Dec. 16, 1936.

APACO

For Paper Bags and Receptacles.
Claims use since 1900.

Ser. No. 387,494. BROOKS PAPER COMPANY, St. Louis, Mo. Filed Jan. 6, 1937.

Red Flash

For Bags Constructed of Wax Paper, "Cellophane", Glassine, and Other Transparent Material.
Claims use since Feb. 28, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 369,134. ERWIN F. LECHLER, New York, N. Y. Filed Sept. 9, 1935.

CURL-A-NEW

The word "Curl" is disclaimed except in connection with the rest of the mark.

For Permanent Wave Soap, Soap for Treating Hair, Medicated Soap.

Claims use since June 1, 1935.

Ser. No. 384,239. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 12, 1936.

MAS-Q-LINE

For Shaving Lotion for Use as a Beard Softener.
Claims use since May 7, 1936.

Ser. No. 384,535. AXEL E. JOHNSON, doing business as Shu-Men-Ize Waterproofing Co., Galesburg, Ill. Filed Oct. 19, 1936.

SHU-MEN-IZE

For Preservative Compound or Preparation Expressly Made for Waterproofing Leather and Leather Goods, and Especially for Preserving Boots, Shoes, and the Like.
Claims use since Oct. 15, 1936.

Ser. No. 384,611. THE CLEVELAND CONVERTING COMPANY, Cleveland, Ohio. Filed Oct. 21, 1936.



The word "Buff" apart from the mark is disclaimed.

For Polishing and Buffing Wheels and Spacers or Separators Therefor.

Claims use since Oct. 7, 1936.

Ser. No. 384,934. RUMFORD CHEMICAL WORKS, Rumford, R. I. Filed Oct. 29, 1936.

MICRONITE

For Abrasive in Comminuted Form.
Claims use since Sept. 26, 1936.

Ser. No. 385,281. DOMESTIC PRODUCTS, INC., Minneapolis, Minn. Filed Nov. 9, 1936.

KLOK

For Dry Cleaning Compound.
Claims use since June 6, 1936.

Ser. No. 385,448. GEORGE W. NICKERSON, doing business as Nickerson Manufacturing Co., Butte, Mont. Filed Nov. 12, 1936.

DEXSTONE

For Friction Block Containing a Substance for Use on the Hands and Fingers to Prevent Slipping.
Claims use since Oct. 14, 1936.

Ser. No. 385,528. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Nov. 14, 1936.

GREEN NILE

For Toilet Soap.
Claims use since Oct. 13, 1936.

Ser. No. 385,529. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Nov. 14, 1936.

GYPSY



The representation of a girl's head is fanciful.
For Toilet Soap.
Claims use since Oct. 13, 1936.

Ser. No. 385,531. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Nov. 14, 1936.



The words "Mor Foam" are disclaimed apart from the mark.

For Toilet Soap.
Claims use since Oct. 13, 1936.

Ser. No. 385,710. WALLERSTEIN COMPANY, INC., New York, N. Y. Filed Nov. 18, 1936.

RSK

For Enzymatic Product for use as a Cleaning Compound and for the Removal of Protein Stains, Such as Blood, Albumen, Casein, etc., and Starch From Textile and Other Materials.
Claims use since July, 1936.

Ser. No. 386,456. SHOE PRESS CORPORATION, Philadelphia, Pa. Filed Dec. 7, 1936.

SHOE PRESS

For Burnishing Ink for Finishing Soles and Heels of Boots and Shoes.
Claims use since Dec. 1, 1936.

Ser. No. 386,722. IRINEOS CASSIMATIS, Gary, Ind. Filed Dec. 14, 1936.

PICTORIAL

For Toilet Soap.
Claims use since Nov. 9, 1935.

Ser. No. 386,802. GULF OIL CORPORATION, Pittsburgh, Pa. Filed Dec. 16, 1936.



The drawing is lined for orange and blue.
For Auto Cleaner and Spot Remover.
Claims use since November, 1934.

Ser. No. 386,984. JULES DONSHICK, Oakland, Calif. Filed Dec. 21, 1936.

JULES' HI-LI

For Metal Polish in Powder Form.
Claims use since Nov. 11, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 352,165. THE EMULSOL CORPORATION, Chicago, Ill. Filed June 2, 1934.

EMULSOL

For Interface Modifying Agents of Various Types Sold for use in the Processing and Finishing of Textiles, as Mineral Flotation Agents, as Leather Treating Materials and as Paper Treating and Fabricating Agents; for Lipsticks and Other Cosmetics Including Face Creams and the like, for Chemical Preparations Acting as Emulsifying, Anti-Weeping and Anti-Spattering Agents in Margarine; for Chemical Preparations for Preventing the Staling of Bread; for Chemical Improving and Preserving Agents for Horseradish.

The trade-mark has been continuously used and applied to all of said goods in applicant's business, except chemical preparations acting as emulsifying, anti-weeping and anti-spattering agents in margarine, chemical preparations for preventing the staling of bread, and chemical improving and preserving agents for horseradish, since January 1, 1930, and as to said latter goods since January 1, 1929.

Ser. No. 359,352. MAY DAVIDSON ISBELL, Washington, D. C. Filed Dec. 15, 1934.

LACTO - BROM

For Sedative.
Claims use since Dec. 13, 1934.

Ser. No. 375,450. A. M. MEINCKE & SON, INC., Chicago, Ill. Filed Mar. 2, 1936.

ANGUS SUPERFINE

The word "Superfine" is disclaimed apart from the mark.
For Pigment Filler for Paper Filling.
Claims use since May 15, 1931.

Ser. No. 380,051. HENRY M. GIESSELMANN, doing business as Giesselmann Laboratories, Brooklyn, N. Y. Filed June 22, 1936.

GERI

For Mentholated Expectorant.
Claims use since 1916.

Ser. No. 380,701. CHRYSON'S, LTD., Los Angeles, Calif. Filed July 7, 1936.

chryson

For Skin Creams and Skin Lotions, Almond Tissue Cream, Emulsified Cleansing Cream, Liquefying Cleansing Cream, Herbal Skin Tonic, Herbal Astringent, Herbal Astringent Cream, Lipstick, Eye-Shadow Paste, Eyebrow Pencil, Sun Tan Oil, and Sunburn Preventive Cream.

Claims use on skin creams and lotions since Oct. 20, 1933; almond tissue cream, emulsified cleansing cream, and liquefying cleansing cream since Sept. 5, 1934; herbal skin tonic, herbal astringent and herbal astringent cream since Feb. 19, 1935; lipstick since Mar. 25, 1935; eyeshadow paste since June 3, 1935; eyebrow pencil since Mar. 13, 1936; and sun tan oil and sunburn preventive cream since May 22, 1936.

Ser. No. 381,776. NOBS CHEMICAL COMPANY, Los Angeles, Calif. Filed Aug. 3, 1936.

NOBS

For Parasiticides, Algaecides, Industrial Solvents, Chemical Solvents for Use in Oil Wells, Citrus Fruit Sprays, and Compounds for Use in Liquids to Prevent Corrosive and Scale Formations and Fungicidal Growths.
Claims use since Aug. 1, 1934.

Ser. No. 382,848. WHELAN DRUG STORES DELAWARE CORPORATION, New York, N. Y. Filed Sept. 2, 1936.



The outline of the label is disclaimed.
For Astringent Tonic, Cold Cream, Liquefying Cleansing Cream, Skin and Tissue Cream, Muscle Oil, Brilliantine, Nail Polish, Olive Oil Shampoo, Lipstick, Rouge, Face Powder, and Nail Polish Remover.
Claims use since Aug. 26, 1936.

Ser. No. 383,265. EUGENE A. GATTERDAM, doing business as Pollen Laboratories, Phoenix, Ariz. Filed Sept. 15, 1936.

ADRENO-MIST

For Inhalant Containing the Active Principle of the Adrenal Glands (Epinephrine), Used in the Form of a Fine Spray, or Mist, Also Prepared from Synthetic Epinephrine.
Claims use since Sept. 12, 1935.

Ser. No. 383,368. NUMOL, LIMITED, Newcastle-on-Tyne, England. Filed Sept. 17, 1936.

HOMOCEA

For Healing Ointment for Skin Ailments.
Claims use since 1893.

Ser. No. 383,491. SURE-GO MANUFACTURING CO., Toledo, Ohio. Filed Sept. 21, 1936.



For Preparation for the Treatment of Dandruff and Other Scalp Conditions.
Claims use since Aug. 15, 1935.

Ser. No. 383,610. J. ALLAN HUMPHREY, St. Louis, Mo. Filed Sept. 21, 1936.



For Cleansing Cream, Tissue Cream, Rouge, Lipstick, Face Powder, Bath Powder, Astringent, Skin Tonic, Soapless Shampoo, Bath Salts, Mascara, Perfume, Hair Tonic, Tooth Paste, Tooth Powder, Hand Lotion, Powder Base, Face Pack, Nail Polish, Nail Cream, Nail Polish Remover, Permanent Wave-Set Oil, Muscle Oil, Acne Cream, Bleaching Cream, Cucumber Cream, Eye Lotion.
Claims use since Jan. 8, 1935.

Ser. No. 384,165. PURCELL & CO. INC., Chicago, Ill. Filed Oct. 9, 1936.



All wording is disclaimed apart from the mark as shown except the numeral 84.
For Permanent Wave Solution.
Claims use since Sept. 1, 1934.

Ser. No. 384,576. CHICAGO PHARMACAL CO., Chicago, Ill. Filed Oct. 19, 1936.

OXITIN

For Preparation for Internal Treatment of Staphylococcus Infections, Boils, and Furuncles.
Claims use since July 1, 1936.

Ser. No. 384,885. DESTILERIA SERRALLES, INC., Ponce, P. R. Filed Oct. 28, 1936.

SERRASOL

For Denatured Alcohol.
Claims use since March, 1936.

Ser. No. 384,997. MICHAEL GIALAFOS, doing business as Gialafos Sunray Mfg. Co., New York, N. Y. Filed Oct. 31, 1936.

AUTO-THERMIC

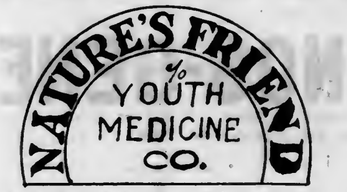
The word "Thermic" is disclaimed apart from the mark.
For Hair Waving Lotion (Permanent), Soapless Shampoo.
Claims use since July, 1936.

Ser. No. 385,320. WESTERN CHEMICAL COMPANY OF KANSAS CITY, MISSOURI, Kansas City, Mo. Filed Nov. 9, 1936.

CORAVOL

For Chemical for Creating and Maintaining an Alkaline Condition in Boiler, Steam, Condensate, and Water Systems for the Prevention of Rust and Corrosion.
Claims use since Oct. 22, 1936.

Ser. No. 385,329. CHARLES WEATHERALL, doing business as Youth Medicine Co., Detroit, Mich. Filed Nov. 9, 1936.



For Diuretic Preparation.
Claims use since July 11, 1933.

Ser. No. 385,369. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Nov. 10, 1936.

PARANOX

For Inhibitor Employed in Motor Oils to Decrease Their Corrosiveness to Bearing Metal and to Lessen Their Tendency to Stick Rings, Form Sludge, or Otherwise Deteriorate as the Result of Oxidation.
Claims use since Sept. 21, 1936.

Ser. No. 385,374. JACQUES WOLF & CO., Clifton, N. J. Filed Nov. 11, 1936.

TANASOL

For Chemical Preparation for Tanning Leathers.
Claims use since Sept. 9, 1936.

Ser. No. 385,476. GLENN FISHER, Bowling Green, Ky. Filed Nov. 13, 1936.

Pure Paris

For Permanent Wave Solution, Face Creams, Muscle Oil, Astringent, Rouge, Lipstick, Face Powders, and Hair Oil.
Claims use since Dec. 1, 1934.

Ser. No. 385,484. MASSICOTTE IMPORT COMPANY, Montreal, Quebec, Canada. Filed Nov. 13, 1936.

FEMOL

For Medicinal Preparation Used in General Medicine and Obstretrical and Gynecological Practice for its Anti-spasmodic and Sedative Action.
Claims use since 1918.

Ser. No. 385,651. SOYSEIN PROCESS CORPORATION, New York, N. Y. Filed Nov. 17, 1936.

SOYSEIN

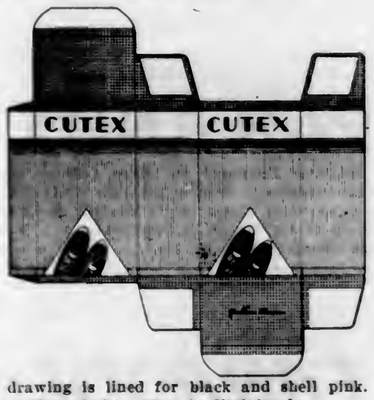
For Vegetable Protein Used for Coating and Sizing Paper.
Claims use since Oct. 20, 1936.

Ser. No. 385,784. ETTLIN, INC., New York, N. Y. Filed Nov. 20, 1936.

NOS-GENE

For Nasal Douches.
Claims use since Oct. 30, 1936.

Ser. No. 385,989. NORTHAM WARREN CORPORATION, New York, N. Y. Filed Nov. 25, 1936.



The drawing is lined for black and shell pink. The representation of the carton is disclaimed.
For Nail Polish.
Claims use since July 2, 1936.

Ser. No. 386,098. PETER CHARLES NAIL POLISH CO., New York, N. Y. Filed Nov. 30, 1936.

Peter Charles
FINGER NAIL VARNISH
FINGER NAIL TONIC

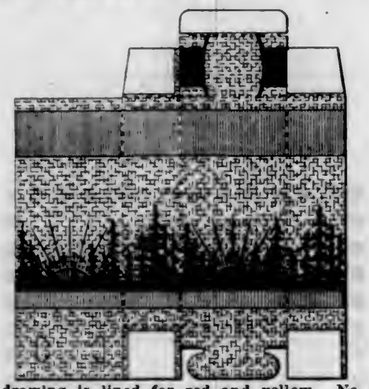
The words "varnish", "Tonic", and "Finger Nail" are disclaimed apart from the mark.
For Finger Nail Preparation.
Claims use since Nov. 14, 1936.

Ser. No. 386,103. FORTY SECOND STREET SALES CO., Chicago, Ill. Filed Nov. 30, 1936.

THEATER BOX

For Bleach Creams, Tissue Creams, Cold Creams, Cleansing Creams, Hand Creams, Nourishing Creams, Hand Lotions, Perfumes, Face Powders, Rouge, Lipstick, Eyebrow and Eyelash Mascara, and Nail Polish.
Claims use since Nov. 27, 1935.

Ser. No. 386,125. POLK MILLER PRODUCTS CORP., Richmond, Va. Filed Nov. 30, 1936.



The drawing is lined for red and yellow. No claim is made to the representation of a carton per se.
For Disinfectants—Namely, Antiseptics, Germicide Cleanser, and Deodorant Preparations.
Claims use since Aug. 19, 1936.

Ser. No. 386,129. R. R. STREET & CO. INC., Chicago, Ill. Filed Nov. 30, 1936.

Gelatone

For Size and Finish for Textile Fabrics.
Claims use since 1911.

Ser. No. 386,149. CANDY COD LABORATORIES CORP., New York, N. Y. Filed Dec. 1, 1936.

"Chocolate Sunshine"

The word "Chocolate" is disclaimed apart from the mark.
For Medicated Chocolate Bars Containing a Concentrate of Fish Liver Oil and Vitamins Thereof.
Claims use since Nov. 19, 1936.

Ser. No. 386,216. MOSBY MEDICINE CO., INC., Cincinnati, Ohio. Filed Dec. 2, 1936.



The portrait is that of Gilbert H. Mosby, president of applicant corporation.
For Laxative Tablets and Indigestion Tablets.
Claims use since Mar. 30, 1936.

Ser. No. 386,222. JOSEPH PLUMERI, New York, N. Y. Filed Dec. 2, 1936.



The words "Skin" and "Contains Vitamin 'F'" except as shown and the outline of the label, per se, are disclaimed.
For Toilet Cream.
Claims use since September, 1936.

Ser. No. 386,230. HOWARD H. CAPLAN, doing business as Davis Drug Company, Baltimore, Md. Filed Dec. 2, 1936.

PHOSPHO MULSION

For General Tonic Recommended in Cases Where There is a Vitamin Deficiency.
Claims use since Dec. 5, 1934.

Ser. No. 386,233. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Dec. 1, 1936.

CONCEMIN B

The letter B is disclaimed apart from the mark as shown.
For Preparation for the Treatment of Vitamin B Deficiency Conditions.
Claims use since Nov. 17, 1936.

Ser. No. 386,420. EMPIRE DISTILLING CORPORATION OF NEW YORK, Yonkers, N. Y. Filed Dec. 7, 1936.



The words "The Right Protection" are disclaimed apart from the mark.
For Anti-Freeze Preparation for Motor Vehicles and Heating Systems.
Claims use since Oct. 21, 1936.

Ser. No. 386,538. H. CLAY GLOVER CO., INC., New York, N. Y. Filed Dec. 9, 1936.

Double Action

For Capsules for Round Worms and Hook Worms in Puppies, Dogs, Cats, and Foxes.
Claims use since Dec. 1, 1936.

Ser. No. 386,550. CHARLES MEISEZAHL MANUFACTURING COMPANY, New York, N. Y. Filed Dec. 9, 1936.

Reichs-Quellen

The drawing is lined for red.
For Artificial Sparkling Mineral Water.
Claims use since 1896.

Ser. No. 386,581. DAUBERT AND KNIGHT, Columbus, Ohio. Filed Dec. 10, 1936.

Rays

For Medicinal Preparation in the Form of an Ointment and Adapted for Use in the Treatment of Piles, Hemorrhoids, and Rectal Disorders.
Claims use since July 15, 1936.

Ser. No. 386,608. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky. Filed Dec. 10, 1936.

VAPO-FUME

For Parasiticides—Namely, Insecticides, Fungicides, and Plant Bactericides.
Claims use since Nov. 16, 1936.

Ser. No. 386,615. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky. Filed Dec. 10, 1936.

VAPO-FUME

For Parasiticides—Namely, Insecticides, Fungicides, and Plant Bactericides.
Claims use since Nov. 16, 1936.

Ser. No. 386,635. ENDO PRODUCTS, INC., New York, N. Y. Filed Dec. 11, 1936.

ANTRONE

For Various Pharmaceuticals and Drug Medication to Be Used in the Treatment of Sexual Underdevelopment, Sterility, Ovarian Dysfunction, Amenorrhea, Habitual Abortion, and Uterine Bleeding.
Claims use since June 1, 1935.

Ser. No. 386,636. ENDO PRODUCTS, INC., New York, N. Y. Filed Dec. 11, 1936.

ESTROMONE

For Various Pharmaceuticals and Drug Medication to Be Used in the Treatment of Gonorrheal Vaginitis in Children, Senile Vaginitis, Functional Dysmenorrhea Due to Deficiency of Estrine.
Claims use since Nov. 24, 1936.

Ser. No. 386,637. ENDO PRODUCTS, INC., New York, N. Y. Filed Dec. 11, 1936.

VIROSTERONE

For Various Pharmaceuticals and Drug Medication to Be Used in the Treatment of Impotence, Sexual Nervous Debility, Ejaculatio Praecox, Delayed Puberty, and Enlargement of the Prostate.
Claims use since Nov. 15, 1935.

Ser. No. 386,646. BENJAMIN F. GERLICHER, doing business as The Ben Gerlicher Company, Winona, Minn. Filed Dec. 11, 1936.

GRUB-NOX

For Powder to Combat Grub Worms in Corn and Barley.
Claims use since May, 1935.

Ser. No. 386,653. NATIONAL REMEDY COMPANY, INC., New York, N. Y. Filed Dec. 11, 1936.

DOK

For Preparation for the Relief of Rheumatism.
Claims use since Dec. 9, 1936.

Ser. No. 386,676. D. M. CLEMENT, doing business as Mid-State Laboratories, Marshfield, Wis. Filed Dec. 12, 1936.

BOVIN-SAV
(PETRO-LAN)

For Salve for Veterinary Uses in the Treatment of Chapped Teats, Caked and Inflamed Bags, Cow Pox, Wire Cuts, and Shoulder Galls.
Claims use since Nov. 6, 1936.

Ser. No. 386,705. EUGENE, LTD., New York, N. Y. Filed Dec. 14, 1936.

aerogène

For Permanent Waving Solutions.
Claims use since Nov. 24, 1936.

Ser. No. 386,729. GANE'S CHEMICAL WORKS, INC., New York, N. Y. Filed Dec. 14, 1936.

Cyclopal

For Medicinal Tablet Used as a Hypnotic and Sedative.
Claims use since Sept. 12, 1936.

Ser. No. 386,762. D'ORSAY SALES CORPORATION, New York, N. Y. Filed Dec. 15, 1936.

TROPHÉE

For Toilet Preparations and Cosmetics—Namely, Perfume, Extract, Toilet Water, Face Powder, Bath Powder, Bath Salts, Rouge, and Sachet.
Claims use since July 10, 1936.

Ser. No. 386,765. HARRY L. HERBERT, doing business as Herbert Manufacturing Co., Irving, Ill. Filed Dec. 15, 1936.

HERBERT'S
Magi-Curo

For Medicinal Preparation for External Use in the Treatment of Eczema, Tetter, Ivy Poisoning, Mange, Syphilitic Sores, Athlete's Foot, Pimples, and Other Sores.
Claims use since Nov. 12, 1936.

Ser. No. 386,779. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Dec. 15, 1936.

HEXATOL

For Textile Finishing Agent and Printing Assistant for Printing with Vat Colors.
Claims use since Dec. 4, 1936.

Ser. No. 386,893. GRENOVILLE, INC., New York, N. Y. Filed Dec. 18, 1936.

LES QUATRE SAISONS

For Perfumes.
Claims use since Oct. 1, 1936.

Ser. No. 387,023. JOSE MIGUEL GIOL CARASSA, doing business as Laboratorios Granchel, Santurce, P. R. Filed Dec. 22, 1936.

Ricaroma

For Perfumed Rubbing Alcohol (Alcoholado), Cologne Water, and Facial Powder.
Claims use since July, 1936.

Ser. No. 387,037. ESTATE OF SAMUEL HECHT, doing business as Harlem Chemical Co., Long Island City, N. Y. Filed Dec. 22, 1936.

Snaplite

For Lighting Fluid.
Claims use since Dec. 1, 1936.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 387,241. THE ENSIGN-BICKFORD CO., Simsbury, Conn. Filed Dec. 29, 1936.

PRIMACORD

For Detonating Fuse.
Claims use since Dec. 11, 1936.

CLASS 12

Construction Materials

Ser. No. 383,293. THE CAMBRIDGE-WHEATLEY CO., Cincinnati, Ohio. Filed Sept. 16, 1936.

Suntile

Bright with color-Right for life

The words "Bright with Color" are disclaimed apart from the mark shown.
For Ceramic, Clay, Wall Tile Glazed and Unglazed.
Claims use since Mar. 1, 1936.

Ser. No. 385,194. NATIONAL MORTAR & SUPPLY COMPANY OF PITTSBURG, Pittsburgh, Pa. Filed Nov. 5, 1936.

ROYAL

For Lime.
Claims use since May 7, 1931.

Ser. No. 385,215. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill. Filed Nov. 6, 1936.



The words "Portland Cement" and "Cement City, Michigan" are disclaimed apart from the mark. The drawing is lined for orange.
For Portland Cement.
Claims use since 1925.

Ser. No. 385,223. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill. Filed Nov. 6, 1936.



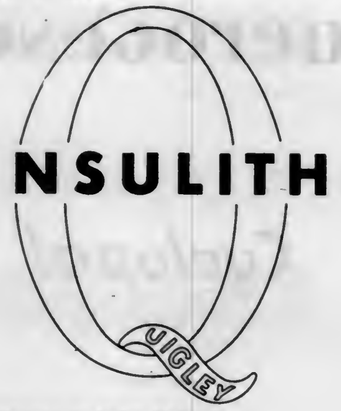
The words "Portland Cement" and "Fredonia, Kansas" are disclaimed apart from the mark. The drawing is lined for orange.
For Portland Cement.
Claims use since 1925.

Ser. No. 385,783. ELECTRO-CHEMICAL SUPPLY & ENGINEERING CO., Paoli, Pa., and Wilmington, Del. Filed Nov. 20, 1936.

DURO

For Acid-Proof Cement.
Claims use since November, 1914.

Ser. No. 385,804. QUIGLEY COMPANY, INC., New York, N. Y. Filed Nov. 20, 1936.



For Refractory Surfacing Materials.
Claims use since June 15, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 372,198. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind. Filed Dec. 3, 1935.

Dirigold

For Base Metal Pots, Kettles, Frying Pans, Broilers, and Grilles.
Claims use since Aug. 13, 1935.

Ser. No. 379,430. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio. Filed June 8, 1936.

FILTRAP

For Combination Traps and Filters.
Claims use since January, 1932.

Ser. No. 384,696. AMERICAN FINDINGS MANUFACTURING COMPANY, Indianapolis, Ind. Filed Oct. 20, 1936.



The representation of the goods showing the location of applicant's symbols is disclaimed as no part of the mark.
For Metal Shoe Taps not Made of Precious Metal.
Claims use since Sept. 1, 1935.

Ser. No. 386,336. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

BULLS-EYE

For Metal Cuspidors.
Claims use since Nov. 1, 1936.

Ser. No. 386,357. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.

TARGET

For Metal Cuspidors.
Claims use since Nov. 1, 1936.

Ser. No. 386,690. PALATINE INDUSTRIAL CO., INC., New York, N. Y. Filed Dec. 12, 1936.

STRONGHOLD

For Fibre Screw Anchors.
Claims use since Nov. 15, 1932.

CLASS 15

Oils and Greases

Ser. No. 381,939. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Aug. 8, 1936.

DIKTATOR

For Lubricating Oils and Greases.
Claims use since June 1, 1935.

Ser. No. 383,284. HUGO G. REICHERT, Salt Lake City, Utah. Filed Sept. 16, 1936.

Lubritorium

For Lubricating Oils, Gasoline, Cup Grease, and Gear Oil.
Claims use since Apr. 8, 1933.

Ser. No. 385,609. L. J. SAUERBORN, doing business as Lubaid Company, Milwaukee, Wis. Filed Nov. 16, 1936.



The drawing is lined for orange and green.
For Oiliness Concentrate to be Added to Oils and Greases to Increase the Film Strength of the Oil and to Cold-proof Oil and Grease, Penetrating Oil and Also Upper Cylinder Lubrication.
Claims use since Sept. 1, 1936.

Ser. No. 385,868. U. S. OIL COMPANY, East Providence, R. I. Filed Nov. 21, 1936.

HYPOLUBE

For Lubricating Oils and Greases.
Claims use since Oct. 15, 1936.

Ser. No. 386,815. PENN CITY-NATIONAL OIL CO., Philadelphia, Pa. Filed Dec. 16, 1936.

PENN CITY

For Motor Lubricating Oil.
Claims use since January, 1932.

CLASS 16

Paints and Painters' Materials

Ser. No. 368,734. ANGELO BROTHERS LIMITED, Calcutta, India. Filed Aug. 27, 1935.



The letters "D. G." are disclaimed apart from the mark.
For Prepared Shellacs and Lacs.
Claims use since June, 1933.

Ser. No. 368,735. ANGELO BROTHERS LIMITED, Calcutta, India. Filed Aug. 27, 1935.

ANGELO

D.L.

The letters "D. L." are disclaimed apart from the mark.
For Prepared Shellacs and Lacs.
Claims use since June, 1933.

Ser. No. 368,736. ANGELO BROTHERS LIMITED, Calcutta, India. Filed Aug. 27, 1935.

ANGELO

D.O.

The letters "D. O." are disclaimed apart from the mark.
For Prepared Shellacs and Lacs.
Claims use since June, 1933.

Ser. No. 368,737. ANGELO BROTHERS LIMITED, Calcutta, India. Filed Aug. 27, 1935.

ANGELO

BLONDE

The word "Blonde" is disclaimed apart from the mark.
For Prepared Shellacs and Lacs.
Claims use since June, 1933.

Ser. No. 382,664. LOUISE CHALKLEY GIVEN, doing business as The Cresson Products Co., New Hope, Pa. Filed Aug. 28, 1936.

KAR-SKIN

For Waxes for Polishing Automobiles.
Claims use since May 18, 1936.

Ser. No. 386,958. NATIONAL SOLVENTS CO., Washington, D. C. Filed Dec. 19, 1936.

GLEAMAX

For Liquid Polishing Wax.
Claims use since May 1, 1935.

Ser. No. 387,327. ROBERT HUMPHREYS, doing business as Humphreys Specialty Co., Rochester, N. Y. Filed Dec. 31, 1936.

Mod-Rel

For Oil Plastic Texture Wall Paint.
Claims use since Nov. 1, 1936.

Ser. No. 387,490. BINNEY & SMITH CO., New York, N. Y. Filed Jan. 6, 1937.

POSTA

For Water Colors.
Claims usesince Dec. 18, 1936.

CLASS 17

Tobacco Products

Ser. No. 385,058. PETRI CIGAR CO., San Francisco, Calif. Filed Nov. 2, 1936.

SIGARETTO

MARCA PETRI

The words "Sigaretto" and "Marca Petri" are disclaimed apart from the mark.
For Cigars.
Claims use since Aug. 14, 1936.

Ser. No. 385,059. PETRI CIGAR CO., San Francisco, Calif. Filed Nov. 2, 1936.

Toscanini

MARCA PETRI

Applicant is the owner of registration No. 329,380, dated Oct. 29, 1935. The words "Toscanini" and "Marca Petri" are disclaimed for registration purposes apart from the mark shown in the drawing, with reservation of applicant's common law rights in the premises.
For Cigars.
Claims use since Aug. 14, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 386,009. BEL-PARK MOTORS, INC., Chicago, Ill. Filed Nov. 27, 1936.

SCOOTMOBILE

For Motor Vehicle on Two or Three Wheels (Similar to Children's Scooters).
Claims use since Oct. 19, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 385,498. TUNG-SOL LAMP WORKS INC., Newark, N. J. Filed Nov. 13, 1936.

TRIANGLE A

For Incandescent Lamp Bulbs, Radio Tubes and Valves, Thermionic Detector and Amplifier Tubes and Valves, Oscillator Tubes, Rectifier Tubes, Ballast and Gaseous Glow Discharge Tubes, and Electronic Tubes.
Claims use since June 1, 1914.

Ser. No. 387,192. LEEDS & NORTHRUP COMPANY, Philadelphia, Pa. Filed Dec. 28, 1936.

HOMOCARB

For Electric Furnaces and Ovens, Electric Heat-Treating Furnaces and Ovens, and Reagent-Treating Retorts, for Case-Forming Carburization and for Prevention of Decarburization of Ferrous Metals, Steels, and Alloys; and for Parts and Accessories of and for the Aforesaid Furnaces, Ovens and Retorts.
Claims use since Aug. 27, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 371,781. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Nov. 20, 1935.

MONTE CARLO

For Coin-Controlled Amusement Apparatus.
Claims use since Oct. 1, 1935.

Ser. No. 385,513. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Nov. 14, 1936.

SHOOT-A-LITE

For Target Apparatus in Which a Bullet of Light is Employed to Impinge Upon a Photo-Electric Cell.
Claims use since Sept. 15, 1936.

Ser. No. 385,550. H. C. EVANS & COMPANY, Chicago, Ill. Filed Nov. 13, 1936.

GALLOPING DOMINOS

For Coin Operated Game Device.
Claims use since Oct. 1, 1936.

Ser. No. 386,118. S. H. KRESS AND COMPANY, New York, N. Y. Filed Nov. 30, 1936.

KREKO CLUB

For Baseball Bats, Golf Balls, Tennis Balls, Footballs, Baseballs, and Ping Pong Balls, Indoor Baseballs, Playing Cards, Card Games, Poker Chips, and Dice.
Claims use since December, 1932.

Ser. No. 386,491. THE JOHNSON FAMILY, INC., Cincinnati, Ohio. Filed Dec. 8, 1936.

TURKEY DOODLE

For Game Utilizing a Target and Plurality of Darts to be Thrown by Hand at Said Target.
Claims use since Nov. 30, 1936.

Ser. No. 387,169. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Dec. 28, 1936.

'BABY SISTER'

For Dolls.
Claims use since Sept. 21, 1936.

Ser. No. 387,443. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Jan. 4, 1937.

MAN HUNT

For Board Game Played with Movable Pieces.
Claims use since Dec. 19, 1936.

Ser. No. 387,724. NESTOR JOHNSON MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 13, 1937.

TORPEDO

For Ice Skates and Skate Outfits, the Latter Consisting of Attached Shoes and Skates.
Claims use since Jan. 4, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 372,403. DURO METAL PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 9, 1935.

DURO

For Power Driven Woodworking Machinery—Namely, Drill Presses, Bench Saws, Band Saws, Scroll Saws, Jig Saws, Lathes, Jointers, Horizontal Spindle Jointers, Vertical Spindle Jointers, Combination Carver-Router-Shapers, Portable Sanders, Bench Sanders; Power Driven Metal Working Machinery—Namely, Drill Presses and Lathes; Wrenches, Wrench Sets; and Parts, Accessories, and Attachments for the Foregoing, Not Including Saw Blades.
Claims use since January, 1929, on wrenches and wrench sets; and since July, 1934, on remaining goods.

Ser. No. 372,404. DURO METAL PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 9, 1935.

DURO METAL PRODUCTS CO. CHICAGO

The word "Chicago" is disclaimed apart from the mark as shown.
For Power Driven Woodworking Machinery—Namely, Drill Presses, Bench Saws, Band Saws, Scroll Saws, Jig Saws, Lathes, Jointers, Horizontal Spindle Jointers, Vertical Spindle Jointers, Combination Carver-Router-Shapers, Portable Sanders, Bench Sanders; Power Driven Metal Working Machinery—Namely, Drill Presses and Lathes; and Parts, Accessories, and Attachments for the Foregoing, Not Including Saw Blades.
Claims use since July, 1934.

Ser. No. 383,612. GEO. J. MEYER MANUFACTURING CO., Cudahy, Wis. Filed Sept. 23, 1936.

Dumore

Applicant claims ownership of registered trade-mark No. 133,164 issued July 13, 1920.
For Machines to Fill Bottles and Cans, for Machines to Pasteurize Foods, for Machines to Rinse Containers Prior to Filling, and Other Machines Used to Preserve Foods or Beverages.
Claims use since Jan. 1, 1928.

Ser. No. 387,093. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J., and New York, N. Y. Filed Dec. 23, 1936.

SYNCHRO

For Work-Tables, Stands, Chutes, Conveyor-Rods and Racks for Use in Manufacturing Clothing and the Like.
Claims use since Dec. 17, 1936.

Ser. No. 387,102. ATLANTIC BLADE CORPORATION, Brooklyn, N. Y. Filed Dec. 24, 1936.

SAVAGE

For Razors and Razor Blades.
Claims use since Dec. 15, 1936.

Ser. No. 387,118. HARRY J. FORSTER, Chicago, Ill. Filed Dec. 24, 1936.

SOOTMASTER

For Tube Scrapers or Cleaners.
Claims use since July 15, 1936.

Ser. No. 387,130. THE JOYCE-GRIDLAND CO., Dayton, Ohio. Filed Dec. 24, 1936.

Liftmaster

For Lifting Mechanism, More Particularly Lifting Jacks.
Claims use since Aug. 29, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 387,021. THE BRISTOL COMPANY, Waterbury, Conn. Filed Dec. 22, 1936.

PYROMASTER

For Electrical Potentiometers for the Measurement and/or Control of Electromotive Force or any Magnitude Which Can be Represented by an Electromotive Force.
Claims use since Oct. 1, 1936.

Ser. No. 387,066. ADAM HILGER LIMITED, London, England. Filed Dec. 23, 1936.

BARFIT

For Spectrometers, Polarimeters, and Spectrographs.
Claims use since May 1, 1936.

CLASS 27

Horological Instruments

Ser. No. 372,493. WATCH-MOTOR MAINSPRING CO., INC., New York, N. Y. Filed Dec. 10, 1935.



For Mainsprings for Watches.
Claims use since June 17, 1935.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 385,197. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Nov. 5, 1936.

CORONATION

For Porcelain Tableware.
Claims use since Oct. 16, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 386,353. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Dec. 5, 1936.



For Electrically Operated Coolers for Bottled Beverages.
Claims use since June 1, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 386,681. S. KARPEN & BROS., Chicago, Ill. Filed Dec. 12, 1936.

All Year

For Mattresses and Box Springs.
Claims use since Nov. 15, 1936.

Ser. No. 386,682. S. KARPEN & BROS., Chicago, Ill. Filed Dec. 12, 1936.

Duo Rest

For Mattresses and Box Springs.
Claims use since Nov. 15, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 385,363. MAY OIL BURNER CORPORATION, Baltimore, Md. Filed Nov. 10, 1936.

ECON-O-MAY

For Heat Absorption Baffles for Use in the Combustion and/or Gas Spaces and/or Passages of Boilers and Heaters.
Claims use since September, 1931.

Ser. No. 385,617. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Filed Nov. 16, 1936.

ICE-O-MATIC REFRIGERATION WILLIAMS OIL-O-MATIC HEATING AIR-O-MATIC PRODUCTS AIR CONDITIONING

The words "Refrigeration", "Heating", "Air Conditioning", and "Products" are disclaimed apart from the mark as shown.
For Fluid Fuel Heaters—Namely, Automatic Electrically Controlled and Operated Fuel Heating Systems, Parts Thereof, and Electrically Operated Controls Therefor; Domestic Water Heaters and Parts Therefor; and Air Conditioning Systems and Heating, Cooling, Humidifying and Dehumidifying Units for Air Conditioning Systems and Parts Thereof.
Claims use since Nov. 26, 1935.

Ser. No. 386,668. WILLIAM B. STEPHENSON, doing business as Simplex Manufacturing Company, Chicago, Ill. Filed Dec. 11, 1936.

SIM-TROL

For Draft Controls for Furnaces, Boilers, and Similar Heating Equipment.
Claims use since July, 1936.

Ser. No. 386,749. THE SWARTWOUT COMPANY, Cleveland, Ohio. Filed Dec. 14, 1936.

HEAT VALVE

For Gravity Roof Ventilators.
Claims use since June 1934.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 386,901. ALVIN J. MUSSELMAN, doing business as Musselman Products Company, Cleveland, Ohio. Filed Dec. 18, 1936.

DOENUT

For Pneumatic Tires.
Claims use since June 1, 1933.

CLASS 37

Paper and Stationery

Ser. No. 380,342. CELLULOID CORPORATION, Newark, N. J. Filed June 27, 1936.

PROTECTOID

For Transparent or Translucent Non-Textile Cellulosic Strips and Ribbons of Various Widths Suitable for Securing and Wrapping Packages and Decorative Purposes.
Claims use since July 1, 1932.

Ser. No. 385,587. THE KINSEY-JOHNSTON COMPANY, Cincinnati, Ohio. Filed Nov. 16, 1936.

KAY-JAY TRU-KULUR CHIP

The words "Tru-Kulur Chip" are disclaimed apart from the mark as shown.
For Chips Placed on Cards to be Used as Color Charts.
Claims use since Sept. 30, 1936.

Ser. No. 385,610. THE SITROUX COMPANY, INC., Brooklyn, N. Y. Filed Nov. 16, 1936.

SITROUX-AIDS

For Mentholated Paper Handkerchiefs.
Claims use since Aug. 26, 1936.

Ser. No. 386,454. SHELLMAR PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 7, 1936.

SHELL-PLI

For Laminated Products Consisting of Cellulose Sheeting Combined with Other Products.
Claims use since July 9, 1936.

Ser. No. 386,570. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Dec. 7, 1936.

NORTHERN

For Paper Towels.
Claims use since Mar. 3, 1917.

Ser. No. 386,571. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Dec. 7, 1936.

Northern BANQUET

For Paper Napkins.
Claims use since Jan. 19, 1935.

Ser. No. 386,623. THE STERILEK COMPANY INC., Brooklyn, N. Y. Filed Dec. 12, 1936.

BOB-ETTE

For Facial Tissues.
Claims use since July 14, 1936.

Ser. No. 386,650. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 11, 1936.

TROPIC

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Oct. 23, 1936.

Ser. No. 386,742. THE RELIABLE SCHOOL SUPPLY AND EQUIPMENT COMPANY, Cincinnati, Ohio. Filed Dec. 14, 1936.



Bur-Oak

For Pencil Tablets, Ink Tablets, Note Books, Composition Books, Memo Books, Mimeograph Papers, Ruled and Unruled School Papers, Typewriter Paper, Hektograph Paper, and Note Book Fillers.
Claims use since Sept. 10, 1936.

Ser. No. 386,888. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Dec. 18, 1936.

"ROTOTIP"

For Lead Pencils.
Claims use since December, 1935.

Ser. No. 387,225. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Dec. 28, 1936.

Courier

For Writing and Printing Paper.
Claims use since December, 1929.

Ser. No. 387,226. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Dec. 28, 1936.

Diagonelle

For Paper and Cards for Correspondence, Announcement and Greeting Purposes.
Claims use since August, 1936.

Ser. No. 387,227. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Dec. 28, 1936.

Saxonet

For Writing and Printing Paper.
Claims use since September, 1927.

Ser. No. 387,243. FITCHBURG PAPER COMPANY, Fitchburg, Mass. Filed Dec. 29, 1936.

FACILEX

For Book and Printing Papers.
Claims use since Dec. 19, 1936.

CLASS 38

Prints and Publications

Ser. No. 374,937. OTTE & CO., INC., New York, N. Y. Filed Feb. 17, 1936.

KRŪDOIL

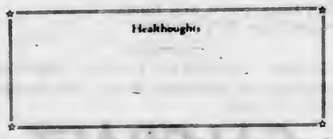
For Publications Relating to Petroleum Production and Marketing Issued from Time to Time.
Claims use since Feb. 7, 1936.

Ser. No. 382,840. SPORTS ILLUSTRATED, INC., New York, N. Y. Filed Sept. 2, 1936.

BEST of the MONTH

For Sections in a Periodical Magazine.
Claims use since Aug. 27, 1936.

Ser. No. 384,181. JOSEPH FRANKLIN MONTAGUE, New York, N. Y. Filed Oct. 8, 1936.



For Column Devoted to Health Items to be Published from Time to Time in Various Publications.
Claims use since June 15, 1936.

Ser. No. 384,913. T. R. WOODBURN PRINTING CO., doing business as The Highway News, Terre Haute, Ind. Filed Oct. 28, 1936.

the highway news

For Monthly Publication for the Motor Freight Transportation Industry.
Claims use since Feb. 18, 1935.

Ser. No. 385,092. HUGO GERNSBACK, New York, N. Y. Filed Nov. 3, 1936.

MOVIE EXPOSÉ

For Monthly Publication Devoted to the Moving Picture Industry.
Claims use since Oct. 28, 1936.

Ser. No. 385,789. NICHOLAS S. HALL, Philadelphia, Pa. Filed Nov. 20, 1936.

RAILS

For Monthly Publication Dealing with Railroads and Allied Subjects.
Claims use since Nov. 1, 1936.

Ser. No. 385,941. SAMUEL READER, Chicago, Ill. Filed Nov. 24, 1936.

MILITANT DRUGGIST

For Trade Periodical Publications.
Claims use since Aug. 1, 1935.

Ser. No. 386,063. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Nov. 24, 1936.

JIM HARDY

The name "Jim Hardy" is the name of a fictitious character appearing from day to day in applicant's comic strip.
For Comic Drawing Published in a Series in a Newspaper.
Claims use since June 1, 1936.

Ser. No. 386,080. NEA SERVICE, INC., Cleveland, Ohio. Filed Nov. 28, 1936.

The Family Doctor

For Column Appearing in a Newspaper or Periodical.
Claims use since Aug. 28, 1936.

Ser. No. 386,513. WID'S FILMS AND FILM FOLK, INC., New York, N. Y. Filed Dec. 8, 1936.

RADIO DAILY

For Periodical.
Claims use since Dec. 2, 1936.

CLASS 39

Clothing

Ser. No. 371,402. VENUS FOUNDATION GARMENTS INC., doing business as Nature's Rival Co., Chicago, Ill., and Garrett, Ind. Filed Nov. 9, 1935.

NATURE'S RIVAL

For Fitted Garments for Women and Children Comprising Corsets, Corset Combinations, Corset Step-Ins with and without Openings, Garter Belts, and Girdles.
Claims use since Mar. 13, 1935.

Ser. No. 372,588. H. DAROFF & SONS, INC., Philadelphia, Pa. Filed Dec. 13, 1935.

The Tailored Man

For Men's and Young Men's Suits, Trousers, Top Coats, and Overcoats.
Claims use since Dec. 11, 1935.

Ser. No. 379,692. THE ELDER AND JOHNSTON COMPANY, Dayton, Ohio. Filed June 13, 1936.

Pierre

For Women's Gloves Made of Leather or Fabric.
Claims use since Nov. 11, 1932.

Ser. No. 382,509. THE BERT FINCH MFG. CO., LTD., Los Angeles, Calif. Filed Aug. 24, 1936.

Personality Frocks FROM HOLLYWOOD

The words "Frocks" and "From Hollywood" are disclaimed apart from the mark.
For Dresses for Women and Misses, Pajamas for Women and Misses.
Claims use since Mar. 15, 1936.

Ser. No. 383,324. E. B. PIEKENBROCK & SONS COMPANY, Dubuque, Iowa. Filed Sept. 16, 1936.

Kantbreak ARCH SHOE

The words "Arch Shoe" and "Kantbreak" are disclaimed apart from the mark as a whole.
For Leather Shoes, Shoes of Leather with Fabric Linings, Shoes of Leather with Fabric Linings and Rubber Heels.
Claims use since Mar. 19, 1936.

Ser. No. 384,330. ALBERT HYMAN, Far Rockaway, N. Y. Filed Oct. 14, 1936.

FOOT GUARDS

For Shoes Made of Leather and Fabric and Combinations of Leather and Fabric.
Claims use since April, 1934.

Ser. No. 384,817. RED STAR SHOE REPAIRING COMPANY, INC., Philadelphia, Pa. Filed Oct. 26, 1936.

NOTHING OVER 18¢ ORIGINAL

The wording and the numeral are disclaimed apart from the mark as shown.
For Heel Lifts, Soles, and Rubber Heels.
Claims use since July 1, 1935.

Ser. No. 385,069. SOUTHWEST SECURITY MORTGAGE CORP., doing business as Knitcraft Mills, Los Angeles, Calif. Filed Nov. 2, 1936.

CALCRAFT

For Knit Sweaters, Hose, Knitted and/or Fabric Women's and Children's Dresses and Outer Skirts, Swim Suits, Play Shorts, Play Suits, Men's and Boys' Outer Dress, Negligee, and Work Shirts, Men's Women's, and Children's Suits, Jackets, Coats, Hats, and Caps, Capes, Bathrobes, Beach Robes, Trunks, Halters, Ski Togs—Namely, Jackets, Pants, Scarves, Caps, Gloves, and Mittens, and Brassieres, and Bandannas.
Claims use since Oct. 2, 1936.

Ser. No. 385,298. JOHN MCCORMICK, Los Angeles, Calif. Filed Nov. 9, 1936.

Islander

For Swim Trunks.
Claims use since Nov. 9, 1935.

Ser. No. 385,392. BROWN CLOTHING COMPANY, Minneapolis, Minn. Filed Nov. 11, 1936.

BROWN'S Kyro-Pedic

For Shoes Made of Leather.
Claims use since October, 1935.

Ser. No. 385,694. LIVINGSTON & LIEBERMAN, New York, N. Y. Filed Nov. 18, 1936.

HOLLYVOGUE MANNISH-TAILORED

The expression "Mannish Tailored" is disclaimed apart from the mark as shown.
For Beach Wear Such as Capes, Skirts, and Bathing Suits; Sportswear for Men and Women Such as Hats, Blouses, and Gloves of Leather and Fabric; Riding Apparel Such as Breeches, Blouses, Skirts, and Jackets for Men and Women; Skating Clothes for Men and Women Such as Sweaters, Breeches, Blouses; Men's Underwear, Dress Shirts; and Women's and Children's Underwear.
Claims use since Apr. 6, 1935.

Ser. No. 385,909. LEWIS SMITH, doing business as Belle Form Brassiere Co., New York, N. Y. Filed Nov. 23, 1936.

Belle-Form

The word "Form" is disclaimed apart from the mark.
For Brassières, Girdles, and Corsets.
Claims use since Nov. 16, 1936.

Ser. No. 385,912. SWAN SHOE COMPANY, INC., Baltimore, Md. Filed Nov. 23, 1936.

FOOTGLUV



For Slippers and Shoes of Leather and/or Fabric, and/or Rubber, and/or Combination of Said Materials, and Fastenings for the Same.
Claims use since July, 1910.

Ser. No. 386,019. EISENBERG BROS., New York, N. Y. Filed Nov. 27, 1936.

ROLLEM TRADE MARK Anyway BEAVER FINISH

The expression "Rollem Anyway", "Beaver Finish", and "Trade Mark" are disclaimed.
For Ladies' Hats.
Claims use since Oct. 1, 1935.

Ser. No. 386,117. KNOTHE BROS. CO., INC., New York, N. Y. and Westbrook, Conn. Filed Nov. 30, 1936.

Siltex

For Suspenders and Garters for Men and Boys.
Claims use since Aug. 25, 1936.

Ser. No. 386,246. COMMONWEALTH SHOE & LEATHER COMPANY, Whitman, Mass. Filed Dec. 3, 1936.

NOR-MOC

The word "Moc" is disclaimed apart from the mark.
For Slippers of Leather, Fabric, Rubber, or Combinations Thereof, for Men, Women, and Children.
Claims use since Sept. 1, 1936.

Ser. No. 386,247. THE IRVING DREW COMPANY, Portsmouth, Ohio. Filed Dec. 3, 1936.

REDU FIT

The word "Fit" is disclaimed except as shown.
For Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather or Textile Material.
Claims use since October, 1936.

Ser. No. 386,263. MARTIN'S, Brooklyn, N. Y. Filed Dec. 3, 1936.

Marcuna

For Knitted Sweaters, Knitted Skirts, and Knitted Sweater Suits for Women, Misses, Girls, and Infants.
Claims use since Oct. 19, 1936.

Ser. No. 386,302. WILLIAM BASS DRESS CORPORATION, New York, N. Y. Filed Dec. 4, 1936.

Dimlight Dresses

The word "Dresses" and the outline representation of a tag are disclaimed apart from the mark as shown.
For Ladies' Dresses.
Claims use since Nov. 19, 1936.

Ser. No. 386,364. FLASHY DRESS COMPANY, INC., New York, N. Y. Filed Dec. 5, 1936.

Tea Time Prints

The word "Prints" is disclaimed apart from the mark as shown.
For Dresses for Women.
Claims use since October, 1936.

Ser. No. 386,368. ELI GORDON, doing business as Milady's Modes, Los Angeles, Calif. Filed Dec. 5, 1936.

Sun Sea Togs
THE VOGUE OF CALIFORNIA

The words "Togs" and "The Vogue of California" are disclaimed apart from the mark shown.
For Women's Dresses, Coats, Gowns, and Ensemble Suits.
Claims use since June 1, 1936.

Ser. No. 386,465. WAMSUTTA MILLS, New Bedford, Mass. Filed Dec. 7, 1936.

KANAKA

For Men's and Women's Outer Shirts, Shorts, Slacks, and Sportswear Consisting of Dresses, Blouses, and Jackets.
Claims use since Aug. 5, 1936.

Ser. No. 386,552. NATIONAL DEPARTMENT STORES MANAGEMENT & BUYING CORPORATION, New York, N. Y. Filed Dec. 9, 1936.

Artspun

For Women's and Misses' Hats, Coats, Dresses, Suits, Jerkins, Sweaters, Bathing Suits, Beach Robes, Hosiery, Underwear of Knitted, Netted, and Textile Fabrics, and Leather Fabric, and Knitted Gloves.
Claims use since Sept. 22, 1936.

Ser. No. 386,609. TABIN-PICKER & COMPANY, Chicago, Ill. Filed Dec. 10, 1936.

GIANA

For Women's Dresses.
Claims use since Oct. 1, 1936.

Ser. No. 386,828. TRU-FIT UNDERGARMENT CORPORATION, Brooklyn, N. Y. Filed Dec. 16, 1936.

DEBUTANSET

For Women's and Children's Undergarments Specifically Combinations of Vests and Pants, Step-Ins, Slips, Chemises, Vests.
Claims use since Sept. 15, 1936.

Ser. No. 386,877. TRUHU SILK CORPORATION, New York, N. Y. Filed Dec. 17, 1936.

TRUHU

For Women's and Misses' Hats, Coats, Dresses, Suits, Sweaters, Bathing Suits, Beach Robes, Hosiery, and Underwear: Hats, Caps, Suits, Overcoats, Top Coats, Trousers, Jackets, and Coats for Men and Boys; Wearing Apparel of Silk, Rayon or Combinations Thereof for Men and Boys—Namely, Vests and Sweaters, Pullovers, Stockings, Socks, Half Hose, Sport Hose, Golf Hose and Anklets, Swim Suits, Bathing Suits, Bathing Shirts, Shorts and Trunks, Bath Robes, Beach Robes and Scarfs, Mufflers, Negligee and Sport Shirts, Underwear and Gloves.
Claims use since Mar. 30, 1920.

Ser. No. 386,939. THE LEON GODCHAUX CLOTHING CO. LTD., New Orleans, La. Filed Dec. 19, 1936.

JOSHUA-BROWN CO.
G
Godchaux's

For Men's and Women's Hats and Caps.
Claims use since Aug. 15, 1936.

Ser. No. 387,167. A. S. BECK SHOE CORPORATION, New York, N. Y. Filed Dec. 28, 1936.

BOLERO SANDALS

The word "Sandals" is disclaimed apart from the mark.
For Shoes for Women, of Leather, Fabric, and Rubber, and Combinations Thereof.
Claims use since Dec. 7, 1936.

Ser. No. 387,211. SACKMAN BROTHERS COMPANY, New York, N. Y. Filed Dec. 28, 1936.

BUCKAROO

For Children's Playsuits.
Claims use since Dec. 5, 1936.

Ser. No. 387,212. SACKMAN BROTHERS COMPANY, New York, N. Y. Filed Dec. 28, 1936.

DUDE RANCH

For Children's Playsuits.
Claims use since Dec. 5, 1936.

Ser. No. 387,245. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Dec. 29, 1936.

DECALITE

For Hats for Men.
Claims use since Dec. 16, 1936.

Ser. No. 387,324. THE HECHT CO., doing business as Hecht Bros., Baltimore, Md., Washington, D. C., and New York, N. Y., and The Hub, Baltimore, Md. Filed Dec. 31, 1936.

Park Manor

For Women's Coats and Suits.
Claims use since Aug. 28, 1936.

Ser. No. 387,331. ADRIENNE LIVINGSTON, New York, N. Y. Filed Dec. 31, 1936.

FANTASLIP

For Slips, Panties, Brassières, Chemises, and Girdles.
Claims use since Oct. 1, 1936.

Ser. No. 387,353. SILVEROD MFG. CO., INC., New York, N. Y. Filed Dec. 31, 1936.



Sunshine Kiddies

The four heads are fanciful.
For Infants' and Children's Undergarments.
Claims use since September, 1936.

Ser. No. 387,382. LIBBY DRESS CO., New York, N. Y. Filed Jan. 2, 1937.

LIBBY



For Children's and Ladies' Dresses.
Claims use since Dec. 1, 1936.

Ser. No. 387,390. PATRICIA PETTICOAT CO., INC., New York, N. Y. Filed Jan. 2, 1937.

TRICKER

For Ladies' and Misses' Chemises, Negligees, Costume Slips, Panties, Brassières, Bloomers, Nightgowns, and Pajamas, Made of Knitted, Netted, or Woven Textile Fabrics, of Cotton, Linen, Silk, Artificial Silk, and All Mixtures or Combinations of Said Materials.
Claims use since Aug. 12, 1935.

Ser. No. 387,445. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed Jun. 4, 1937.



For Men's and Young Men's Suits and Overcoats.
Claims use since January, 1931.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 381,026. ETTORE DOMINICI, Turin, Italy. Filed July 15, 1936.

NIGRIS

For Combs Not Made of Precious Metal, Including Combs Provided with a Reservoir for Containing Liquids Such as Dyes.
Claims use since June 1, 1935.

Ser. No. 386,827. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn. Filed Dec. 16, 1936.

ELECTROCOLOR

For Safety Pins Not of Precious Metal.
Claims use since June 26, 1936.

Ser. No. 386,965. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed Dec. 19, 1936.

METEOR

For Hat Braids Made of Rayon Fabric.
Claims use since Oct. 1, 1936.

Ser. No. 386,966. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed Dec. 19, 1936.

SATURN

For Hat Braids Made of Rayon Fabric.
Claims use since Nov. 24, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 386,642. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 11, 1936.

Yarnley Prints

The word "Prints" is disclaimed apart from the mark.
For Piece Goods of Cotton, Rayon, Silk, Wool, and/or Combinations Thereof.
Claims use since Nov. 1, 1936.

CLASS 43

Thread and Yarn

Ser. No. 386,459. THE SOCIETÀ ANONIMA SNIA-VISCOSA SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy. Filed Dec. 7, 1936.



The word "Viscosa" is disclaimed apart from the mark as shown.
For Threads and Yarns Made of Artificial Wool Obtained from Caseine.
Claims use since June 8, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 385,956. TEMPEX MANUFACTURING CO. INC., New York, N. Y. Filed Nov. 20, 1936.

TEMPEX

For Glass Surgical Appliances, Glass Syringes, Ampoules, and Chemical Pharmaceutical Glassware.
Claims use since Sept. 9, 1935.

Ser. No. 386,829. WATCHEMOKET OPTICAL COMPANY, East Providence, R. I. Filed Dec. 16, 1936.

VAC-CLUDER

For Optical Occluders.
Claims use since Nov. 21, 1936.

Ser. No. 386,904. THE NEW SCIENCE INSTITUTE OF CORRECTIVE SERVICES, INC., St. Joseph, Mo. Filed Dec. 18, 1936.

NEW SCIENCE
CORREC-TAINER

For Arch Supports, Bunion Corrective Appliances, and Trusses.
Claims use since Sept. 14, 1936.

Ser. No. 386,983. C. & W. MANUFACTURING CO., Chicago, Ill. Filed Dec. 21, 1936.

PREMIER

For Permanent Hair Waving Machines.
Claims use since Mar. 10, 1931.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 386,405. CLOVER FARM STORES CORPORATION, doing business as Clover Farm Stores, Cleveland, Ohio. Filed Dec. 7, 1936.

BEST O'LUCK

For Maltless Soft Drinks.
Claims use since Dec. 1, 1935.

Ser. No. 386,406. CLOVER FARM STORES CORPORATION, doing business as Clover Farm Stores, Cleveland, Ohio. Filed Dec. 7, 1936.



The word "Clover" is disclaimed apart from the mark shown.
For Maltless Soft Drinks.
Claims use since July 1, 1933.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 373,564. FARALLONE PACKING CO., San Francisco, Calif. Filed Jan. 11, 1936.

FARALLONE

For Fish Meal for Poultry and Stock Food.
Claims use since Oct. 1, 1935.

Ser. No. 376,316. WILLIAM R. WHEELER, Harwichport, Cape Cod, Mass. Filed Mar. 23, 1936.



The drawing is lined for red, blue, and green. The representation of the cranberries, the numerals 1, 2, 3, 4, 5, 6, 7, 8, and all wording except "Harvest Queen", "Queen of the C's", and applicant's name are disclaimed except as shown.
For Cranberries (Fresh Fruit).
Claims use since Nov. 1, 1934.

Ser. No. 382,443. PROCERA BREAD PROCESS (NEW ZEALAND) LIMITED, Wellington, New Zealand. Filed Aug. 21, 1936.



All wording except "Procera" is disclaimed apart from the mark as shown.
For Bread.
Claims use since May 15, 1935.

Ser. No. 383,432. JOHN GRANA, Manhattan Beach, Calif. Filed Sept. 19, 1936.

Guy-Tano

For French Dressing.
Claims use since Jan. 1, 1933.

Ser. No. 384,924. FLORIDAGOLD CITRUS CORPORATION, Lake Alfred, Fla. Filed Oct. 29, 1936.

FLORIDAGOLD

For Grapefruit and Orange Segments Packed in Cans.
Claims use since April, 1930.

Ser. No. 385,273. ZION NATIONAL KOSHER SAUSAGE FACTORY, INC., New York, N. Y. Filed Nov. 7, 1936.

ZIONAT
כשר
MEAT PRODUCTS

The words "Meat Products" and the Hebrew characters meaning "Kosher" are disclaimed apart from the mark shown.
For Salami and Bologna.
Claims use since July 1, 1936.

Ser. No. 385,410. JEFFERSON FOOD PRODUCTS, INC., Kearneysville, W. Va. Filed Nov. 11, 1936.

Natural SUNBLOWN

The word "Natural" is disclaimed apart from the mark shown.
For Apple Juice for Food Purposes.
Claims use since Oct. 14, 1936.

Ser. No. 385,667. B. GERTZ, INC., Jamaica, N. Y. Filed Nov. 18, 1936.

Hampton House

For Canned Fruits, Vegetable and Fruit Juices for Food Purposes, Canned Vegetables, and Bottled Preserves—Namely, Pineapple, Red Cherry, Strawberry, Peach, Apricot, Red Raspberry, Watermelon, Blackberry, and Orange Marmalade, Pickles, Jellies, Olives, and Vegetable Relishes.
Claims use since July 5, 1936.

Ser. No. 386,902. NATIONAL COAST PRODUCTS CORPORATION, Swedesboro, N. J. Filed Dec. 18, 1936.



BLUE PLATE

For Canned Dog and Cat Food.
Claims use since Dec. 4, 1936.

Ser. No. 387,052. WETUMPKA FRUIT COMPANY, Hastings, Fla. Filed Dec. 22, 1936.

PRAIRIE FLOWER

For Fresh Citrus Fruits and Fresh Vegetables.
Claims use since Sept. 12, 1936.

Ser. No. 387,053. WETUMPKA FRUIT COMPANY, Hastings and Lowell, Fla. Filed Dec. 22, 1936.

PRAIRIE GARDEN

For Fresh Citrus Fruits and Fresh Vegetables.
Claims use since September, 1905.

Ser. No. 387,124. GROCERY PRODUCTS MANUFACTURING CORPORATION, doing business as Green Hill Mushroom Farms, New York, N. Y., and West Chester, Pa. Filed Dec. 24, 1936.

Green Hill

For Canned Mushrooms.
Claims use since 1923.

Ser. No. 387,337. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Dec. 31, 1936.

HI-HO

For Crackers, Biscuits, and Cakes.
Claims use since December, 1931.

Ser. No. 387,339. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Dec. 31, 1936.

KENT HOUSE

For Crackers, Biscuits, and Cakes.
Claims use since Nov. 18, 1936.

Ser. No. 387,446. VIMPEP FOODS, INC., Cambridge, Md. Filed Jan. 4, 1937.

Always ON TOP

For Canned Food for Dogs and Other Carnivorous Animals.
Claims use since Dec. 19, 1936.

Ser. No. 387,512. OLD DUTCH MILLS, INC., New York, N. Y. Filed Jan. 6, 1937.

HAMPTON HOUSE

For Coffee, Tea, and Cocoa.
Claims use since December, 1935.

CLASS 48

Malt Beverages and Liquors

Ser. No. 370,754. BREWING CORPORATION OF CANADA LIMITED, Toronto, Ontario, Canada., assignors, by mense assignments, to Taylor and Bate, Limited, a corporation of Ontario, Canada. Filed Oct. 24, 1935.



The words "St. Catharines, Ontario" are disclaimed.
For Ales and Lager Beer.
Claims use since Dec. 1, 1934.

Ser. No. 385,510. DREWRYS LIMITED U. S. A., INC., South Bend, Ind. Filed Nov. 14, 1936.

DREWRYS

The representation of the label is disclaimed.
For Beer.
Claims use since Oct. 2, 1936.

Ser. No. 386,649. HILLSBORO BREWING COMPANY, Hillsboro, Wis. Filed Dec. 11, 1936.

HEINIE'S



The words "Old Lager Beer" are disclaimed apart from the mark as shown.
For Beer, Ale, and Porter.
Claims use since Sept. 4, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 385,952. TAYLOR AND WILLIAMS DISTILLERIES, INC., Louisville, Ky. Filed Nov. 24, 1936.

Rich Hill

For Whiskey.
Claims use since 1879.

Ser. No. 386,002. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 25, 1936.

INDIAN TRAIL

For Whiskey.
Claims use since Oct. 16, 1936.

Ser. No. 386,265. MIDWEST DISTRIBUTING COMPANY, Kansas City, Mo. Filed Dec. 3, 1936.

BLUE VALLEY

For Whiskey.
Claims use since Oct. 10, 1936.

Ser. No. 386,548. MCKESSON & ROBBINS, INCORPORATED, Fairfield, Conn. Filed Dec. 9, 1936.

PATROL

For Whiskey.
Claims use since Nov. 17, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 373,714. THE ART POSTER COMPANY, New York, N. Y. Filed Jan. 16, 1936.

BLOCKART

For Printed Advertising Signs.
Claims use since Dec. 16, 1931.

Ser. No. 385,712. WELLINGTON SEARS COMPANY, Boston, Mass. Filed Nov. 18, 1936.

AQUAPELLE

For Waterproofed Sateen, Corduroy, and Suiting.
Claims use since Mar. 26, 1936 on suiting; claims use since Apr. 25, 1936 on sateen; claims use since July 30, 1936 on corduroy.

Ser. No. 386,824. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn. Filed Dec. 16, 1936.

ELECTROCOLOR

For Insignia Badges.
Claims use since June 26, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 23, 1937

343,423. PERFUMES AND LOTIONS. YBRY, INC., Wilmington, Del., and New York, N. Y.
Filed July 12, 1934. Serial No. 353,831. PUBLISHED DECEMBER 8, 1936. Class 6.

343,424. MEN'S AND BOYS' SOCKS, DRESS SHIRTS, WORK SHIRTS, NEGLIGEE SHIRTS, AND UNDERCLOTHING. CONSOLIDATED HAT STORES, LTD., Los Angeles, Calif.
Filed September 18, 1934. Serial No. 356,282. PUBLISHED DECEMBER 15, 1936. Class 39.

343,425. BODIES FOR AMBULANCES AND FUNERAL CARS. KNIGHTSTOWN FUNERAL CAR CO., INC., Knightstown, Ind.
Filed February 25, 1935. Serial No. 361,807. PUBLISHED DECEMBER 15, 1936. Class 19.

343,426. PREPARATION FOR THE TREATMENT OF INFECTIONS DUE TO PNEUMOCOCCIC ORGANISMS. RARE CHEMICALS, INC., Nepera Park, N. Y.
Filed March 20, 1935. Serial No. 362,788. PUBLISHED DECEMBER 8, 1936. Class 6.

343,427. CONFECTIONERY PRODUCT, SPECIFICALLY A CANDY BAR. PEARSON CANDY COMPANY, Minneapolis, Minn.
Filed June 24, 1935. Serial No. 366,685. PUBLISHED DECEMBER 8, 1936. Class 46.

343,428. CANNED SALMON. FIDALGO ISLAND PACKING COMPANY, Seattle, Wash.
Filed July 29, 1935. Serial No. 367,788. PUBLISHED DECEMBER 8, 1936. Class 46.

343,429. CANNED SALMON. FIDALGO ISLAND PACKING COMPANY, Seattle, Wash.
Filed July 29, 1935. Serial No. 367,789. PUBLISHED DECEMBER 8, 1936. Class 46.

343,430. BUSINESS MACHINES—NAMELY, ADDING MACHINES, LISTING MACHINES, CALCULATING MACHINES, KEY OPERATED CALCULATORS, AUTOMATIC CALCULATORS, BOOKKEEPING MACHINES, ACCOUNTING MACHINES, STATISTICAL MACHINES, BILLING MACHINES, TYPEWRITER CALCULATING MACHINES, CASH MACHINES, CASH REGISTERS, AND PARTS FOR ALL OF SAID MACHINES INCLUDING PLATEN TWIRLERS, RUBBER FEET, AND RUBBER KEY TOPS. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed August 1, 1935. Serial No. 367,890. PUBLISHED DECEMBER 15, 1936. Class 26.

343,431. WOMEN'S AND MISSES' SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. GLADDING'S INCORPORATED, Providence, R. I.
Filed September 16, 1935. Serial No. 369,354. PUBLISHED DECEMBER 10, 1935. Class 39.

343,432. FACE POWDER, TOILET WATERS, LOTIONS FOR THE SKIN AND HAIR, BRILLIANTINE, POWDER AND ROUGE COMPACTS, ROUGES, TALCUM POWDERS, DUSTING POWDERS, FACE CREAMS, BATH SALTS, LIPSTICKS, PERFUMES, AND SACHET POWDERS. EVE D'ALPERN, Pittsburgh, Pa.
Filed September 18, 1935. Serial No. 369,444. PUBLISHED DECEMBER 8, 1936. Class 6.

343,433. CHEWING GUM. MACK HUSTON, doing business as Smokers Gum Company, Columbus, Ga., and Knoxville, Tenn.
Filed October 12, 1935. Serial No. 370,325. PUBLISHED DECEMBER 15, 1936. Class 46.

343,434. OINTMENT FOR THE RELIEF OF RHEUMATISM, CORNS, CALLOUSES, SWOLLEN GLANDS, AND SPRAINS; TOOTHPASTE, TOOTHACHE DROPS, COUGH SYRUP, ETC. JOSEPH GELBMAN, doing business as Quick J Laboratories Co., Pittsburgh, Pa.
Filed October 16, 1935. Serial No. 370,411. PUBLISHED DECEMBER 8, 1936. Class 6.

343,435. INTER-OFFICE RADIO COMMUNICATING DEVICES. UNITED SCIENTIFIC LABORATORIES, INC., New York, N. Y.
Filed October 16, 1935. Serial No. 370,437. PUBLISHED DECEMBER 15, 1936. Class 21.

343,436. FOOT LOTION. ANDREW B. BONN, doing business as Bonaseptic Co., Fairmont, W. Va.
Filed December 2, 1935. Serial No. 372,160. PUBLISHED DECEMBER 8, 1936. Class 6.

343,437. PREPARATION FOR THE SKIN, FOR ATHLETE'S FOOT AND RING WORMS. N. C. GOODWIN'S LABORATORY INC., Brooklyn, N. Y.
Filed December 2, 1935. Serial No. 372,171. PUBLISHED JANUARY 21, 1936. Class 6.

343,438. PREPARATION FOR USE IN THE TREATMENT OF THE HAIR AND SCALP. ZON, INC., New York, N. Y.
Filed December 4, 1935. Serial No. 372,262. PUBLISHED MARCH 24, 1936. Class 6.

343,439. SPECIFIC FOR THE EYES. LABORATORIOS SOLIRIS, S. A., Habana, Cuba.
Filed December 14, 1935. Serial No. 372,628. PUBLISHED NOVEMBER 24, 1936. Class 6.

343,440. SPRATS. KRAJOWA FABRYKA KONSERW "KAEFKA" SPOLKA, Warsaw, Poland.
Filed December 19, 1935. Serial No. 372,842. PUBLISHED DECEMBER 8, 1936. Class 46.

343,441. IODINE TABLETS FOR INTERNAL USE, RECOMMENDED IN CASES OF IODINE DEFICIENCY. IODINE CORPORATION OF AMERICA, Los Angeles, Calif.
Filed January 13, 1936. Serial No. 373,607. PUBLISHED MAY 26, 1936. Class 6.

343,442. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, SILK, WOOL, AND/OR COMBINATIONS THEREOF. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed January 15, 1936. Serial No. 373,698. PUBLISHED DECEMBER 15, 1936. Class 42.

343,443. STORAGE BATTERIES. MAGNETIC BATTERY MFG. & EQUIP. CO., Detroit, Mich.
Filed January 15, 1936. Serial No. 373,699. PUBLISHED DECEMBER 15, 1936. Class 21.

343,444. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, SILK, WOOL, AND/OR COMBINATIONS THEREOF. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed January 16, 1936. Serial No. 373,739. PUBLISHED DECEMBER 15, 1936. Class 42.

343,445. HOSIERY. HANES ASSOCIATED MILLS, INC., New York, N. Y.
Filed February 8, 1936. Serial No. 374,619. PUBLISHED MARCH 31, 1936. Class 39.

343,446. SANITARY NAPKINS. CARL J. SHAPIRO, New York, N. Y.
Filed March 28, 1936. Serial No. 376,550. PUBLISHED DECEMBER 15, 1936. Class 44.

343,447. PREPARATION FOR THE RELIEF OF COUGHS. CHARLES ROGERS, doing business as Rogers Drug Company, Astoria, N. Y.
Filed April 2, 1936. Serial No. 376,735. PUBLISHED DECEMBER 8, 1936. Class 6.

343,448. VERMOUTH. G. & L. FLLI CORA, SOCIÉTÉ ANONYME, Levallois-Perret, France.
Filed April 6, 1936. Serial No. 376,843. PUBLISHED DECEMBER 15, 1936. Class 47.

343,449. LINEN, RAYON, AND COTTON PIECE GOODS AND PIECE GOODS MADE OF A COMBINATION OF SUCH MATERIALS. LESEM BACH & CO. INCORPORATED, New York, N. Y.
Filed April 10, 1936. Serial No. 377,051. PUBLISHED DECEMBER 15, 1936. Class 42.

343,450. ASH TRAYS, ASH RECEIVERS, CIGAR AND CIGARETTE RESTS, CIGAR AND CIGARETTE EXTINGUISHERS, AND CIGAR AND CIGARETTE HOLDERS. EKSTRAND MFG. CO. INC., New York, N. Y.
Filed April 15, 1936. Serial No. 377,291. PUBLISHED DECEMBER 15, 1936. Class 8.

343,451. YARNS. EASTYARN, INC., Brooklyn, N. Y.
Filed April 20, 1936. Serial No. 377,384. PUBLISHED DECEMBER 15, 1936. Class 43.

343,452. GARDEN HOSE. THE GATES RUBBER COMPANY, Denver, Colo.
Filed April 20, 1936. Serial No. 377,390. PUBLISHED DECEMBER 15, 1936. Class 35.

343,453. CIGARETTES, CIGARS, AND SMOKING TOBACCO. LEAVITT AND PEIRCE, INCORPORATED, Cambridge, Mass.
Filed April 24, 1936. Serial No. 377,584. PUBLISHED DECEMBER 15, 1936. Class 17.

343,454. MEN'S AND BOYS' FELT AND STRAW HATS. THE FRANK H. LEE COMPANY, Danbury, Conn.
Filed May 1, 1936. Serial No. 377,877. PUBLISHED DECEMBER 1, 1936. Class 39.

343,455. CORSETS, GIRDLES, AND CORSET-BRASSIÈRE COMBINATIONS. MILLER CORSETS, INC., Canandaigua, N. Y.
Filed May 8, 1936. Serial No. 378,219. PUBLISHED DECEMBER 8, 1936. Class 39.

343,456. CEREAL PRODUCTS—NAMELY, CORN FLAKES, RICE FLAKES, AND FLOUR AND GRAINS OF CORN, WHEAT, RYE, OATS, AND RICE PACKAGED AND IN BULK. AXEL OLIVER LJUNGQVIST, Fornasa, Sweden.
Filed May 14, 1936. Serial No. 378,443. PUBLISHED DECEMBER 8, 1936. Class 46.

343,457. DUPLICATING, MANIFOLDING, AND COPYING APPARATUS USING A COPYING INK CARBON AND DRAWING OFF COPIES FROM A REVERSED MASTER COPY MADE BY SAID CARBON. FRANK R. FORD LIMITED, Small Heath, Birmingham, England.
Filed May 21, 1936. Serial No. 378,693. PUBLISHED DECEMBER 15, 1936. Class 23.

343,458. MEMBRANEOUS AND RUBBER PROPHYLACTIC ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. EDGAR GRAVES FLETCHER, Cincinnati, Ohio.
Filed May 29, 1936. Serial No. 379,044. PUBLISHED DECEMBER 15, 1936. Class 44.

343,459. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed June 4, 1936. Serial No. 379,301. PUBLISHED DECEMBER 8, 1936. Class 39.

343,460. MAGNESIA TABLETS, MINT FLAVORED, PAPAIN AND BILE SALTS, MILK OF MAGNESIA AND MINERAL OIL, ANTISEPTIC, MILK OF MAGNESIA, CHEWING GUM LAXATIVE, ETC. SYL-MAY DRUGS CO., doing business as Pan-Dent Laboratories, Stamford, Conn.
Filed June 17, 1936. Serial No. 379,856. PUBLISHED DECEMBER 8, 1936. Class 6.

343,461. ANTACID. ROBERT G. BLACKIE, doing business as Fermex Laboratories, West Springfield, Mass.
Filed June 23, 1936. Serial No. 380,095. PUBLISHED DECEMBER 8, 1936. Class 6.

343,462. HOUSEHOLD CLEANSER FOR CLEANING, SCOURING, AND POLISHING, AND HAVING INCIDENTAL DEODORANT AND PURIFICATION PROPERTIES. KEENE WASHING PRODUCTS CO., Keene, N. H.
Filed June 26, 1936. Serial No. 380,287. PUBLISHED DECEMBER 8, 1936. Class 4.

343,463. WOMEN'S SHOES OF LEATHER. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed July 13, 1936. Serial No. 380,972. PUBLISHED SEPTEMBER 15, 1936. Class 39.

343,464. CHECK BOOKS. METERED CHECK SYSTEM, INCORPORATED, New York, N. Y.
Filed July 17, 1936. Serial No. 381,131. PUBLISHED DECEMBER 15, 1936. Class 37.

343,465. CANNED CHERRY JUICE FOR FOOD PURPOSES. THE REYNOLDS PRESERVING COMPANY, Sturgeon Bay, Wis.
Filed July 20, 1936. Serial No. 381,220. PUBLISHED DECEMBER 8, 1936. Class 46.

343,466. BLENDED BRIAR SMOKING PIPES. COMOLITE CORPORATION, Long Island City, N. Y.
Filed July 25, 1936. Serial No. 381,394. PUBLISHED DECEMBER 15, 1936. Class 8.

343,467. TYPEWRITERS INCLUDING PLATEN TWIRLERS, RUBBER FEET, AND RUBBER KEY TOPS. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed July 29, 1936. Serial No. 381,554. PUBLISHED DECEMBER 15, 1936. Class 23.

343,468. WOMEN'S CLOTHING—NAMELY, FROCKS, LOUNGING PAJAMAS, NEGLIGEES, SLIPS, NIGHTGOWNS, BED JACKETS, PANTIES, AND AFTERNOON AND EVENING GOWNS. KITTY CAROL LINGERIE CO., San Antonio, Tex.
Filed July 30, 1936. Serial No. 381,605. PUBLISHED DECEMBER 15, 1936. Class 39.

343,469. LIVING ROOM, DINING ROOM, BEDROOM, KITCHEN, PORCH, TERRACE, AND LAWN CHAIRS. S. KARPEN & BROS., Chicago, Ill.
Filed August 3, 1936. Serial No. 381,765. PUBLISHED DECEMBER 15, 1936. Class 32.

343,470. CHEMICAL USED FOR DEHYDRATING PETROLEUM OILS. NORS DEHYDRATING CORPORATION, Los Angeles, Calif.
Filed August 3, 1936. Serial No. 381,775. PUBLISHED DECEMBER 8, 1936. Class 6.

343,471. PREPARATION USED IN THE TREATMENT OF RHEUMATISM, SCIATICA, LUMBAGO, DISEASES OF THE NERVOUS SYSTEM, NEURITIS, AND ARTHRITIS. HENRI ACHILLE ETIENNE PORSIN, Paris, France.
Filed August 4, 1936. Serial No. 381,810. PUBLISHED DECEMBER 8, 1936. Class 6.

343,472. LIQUID PASTE AND LIQUID THREAD FOR OFFICE AND DOMESTIC USE AND FOR MENDING PURPOSES. CHARLES P. COSCIA, Pittsburgh, Pa.
Filed August 5, 1936. Serial No. 381,890. PUBLISHED DECEMBER 8, 1936. Class 5.

343,473. NON-ELECTRICAL ADVERTISING BILLBOARDS. ISADORE WARSHAW, Albany, N. Y.
Filed August 7, 1936. Serial No. 381,924. PUBLISHED DECEMBER 15, 1936. Class 50.

343,474. BLANKETS, SHEETING, COMFORTABLES, LINENS, TABLE CLOTHS, NAPKINS, MATTRESS PADS AND COVERS, AND CURTAINS. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed August 11, 1936. Serial No. 382,036. PUBLISHED DECEMBER 15, 1936. Class 42.

343,475. BOOTS, SHOES, SANDALS, AND SLIPPERS MADE OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS OF THESE MATERIALS. JOCK SHOES LIMITED, London, England.
Filed August 11, 1936. Serial No. 382,146. PUBLISHED DECEMBER 8, 1936. Class 39.

343,476. ERASERS. A. W. FABER, INC., Newark, N. J.
Filed August 15, 1936. Serial No. 382,209. PUBLISHED DECEMBER 15, 1936. Class 37.

343,477. YARNS OF WOOL, WORSTED, OR HAIR. PATONS & BALDWINS, LIMITED, Halifax, England.
Filed August 15, 1936. Serial No. 382,232. PUBLISHED DECEMBER 8, 1936. Class 43.

343,478. CANNED HAMS. JOHN THALLON & CO. INC., New York, N. Y.
Filed August 15, 1936. Serial No. 382,246. PUBLISHED DECEMBER 8, 1936. Class 46.

343,479. WHITE AND COLORED CHALK AND OIL CRAYONS. AMERICAN ART CLAY COMPANY, Indianapolis, Ind.
Filed August 18, 1936. Serial No. 382,299. PUBLISHED DECEMBER 15, 1936. Class 37.

343,480. ROUGE, LIPSTICKS, LOOSE POWDER, EYESHADOW, CREAM ROUGE, FACE CREAMS, CAKE MASCARA, CREAM MASCARA, LOTIONS, AND HAIR PREPARATIONS. LESSING L. KOLE, doing business as Kolmar Laboratories, Milwaukee, Wis.
Filed August 18, 1936. Serial No. 382,315. PUBLISHED DECEMBER 8, 1936. Class 6.

343,481. RAZOR BLADES. AIRFLOW BLADE COMPANY, Cleveland, Ohio.
Filed August 19, 1936. Serial No. 382,332. PUBLISHED DECEMBER 15, 1936. Class 23.

343,482. LADIES' CORSETS, GIRDLES, FOUNDATION GARMENTS, CORSELETS, SHOES MADE OF LEATHER AND A COMBINATION OF LEATHER AND FABRIC, AND BATHING SUITS. CAROLINE BROWN, New York, N. Y.
Filed August 22, 1936. Serial No. 382,463. PUBLISHED DECEMBER 8, 1936. Class 39.

343,483. SILK, COTTON, AND RAYON PIECE GOODS, AND COMBINATIONS THEREOF. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y.
Filed August 22, 1936. Serial No. 382,495. PUBLISHED DECEMBER 15, 1936. Class 42.

343,484. RAZOR BLADES. THE FEDERAL RAZOR BLADE COMPANY, Newark, N. J.
Filed August 24, 1936. Serial No. 382,508. PUBLISHED DECEMBER 15, 1936. Class 23.

343,485. PERMANENT WAVING PAD. WILLIAM A. GILBERT, Milwaukee, Wis.
Filed August 24, 1936. Serial No. 382,510. PUBLISHED DECEMBER 15, 1936. Class 44.

343,486. HAIR OIL AND DANDRUFF REMOVER. RALPH J. PATTERSON, doing business as R. J. Patterson Co., Des Moines, Iowa.
Filed August 24, 1936. Serial No. 382,520. PUBLISHED DECEMBER 8, 1936. Class 6.

343,487. ELECTRICAL INCANDESCENT LAMPS FOR THERAPEUTIC USES. SIRIAN LAMP COMPANY, Newark, N. J.
Filed August 24, 1936. Serial No. 382,533. PUBLISHED DECEMBER 15, 1936. Class 44.

343,488. LINIMENT RECOMMENDED FOR SPRAINS, MINOR CUTS, AND BRUISES, AND STIFFNESS DUE TO MUSCULAR EXERCISE. BROWN BROTHERS COMPANY, Gainesville, Ga.
Filed August 22, 1936. Serial No. 382,546. PUBLISHED DECEMBER 8, 1936. Class 6.

343,489. POULTRY MEDICINES. ISAIAH D. RUSSELL, doing business as I. D. Russell Company, Kansas City, Mo.
Filed August 26, 1936. Serial No. 382,617. PUBLISHED DECEMBER 8, 1936. Class 6.

343,490. COOKIE AND BISCUIT BAKING PANS. OSMUND L. WENDEROTH, Baltimore, Md.
Filed August 27, 1936. Serial No. 382,643. PUBLISHED DECEMBER 15, 1936. Class 13.

343,491. COTTON YARN. ABERFOYLE MANUFACTURING CO., Chester, Pa.
Filed August 28, 1936. Serial No. 382,651. PUBLISHED DECEMBER 8, 1936. Class 43.

343,492. HERB TEA FOR PROMOTING AND MAINTAINING REGULAR ELIMINATION. SINCLAIR G. STANLEY, doing business as Stanis, Chicago, Ill.
Filed August 28, 1936. Serial No. 382,680. PUBLISHED DECEMBER 8, 1936. Class 6.

343,493. INFANTS' TOILET TRAINING SEATS. WALTER S. KRAUS, Woodside, N. Y.
Filed August 26, 1936. Serial No. 382,699. PUBLISHED DECEMBER 15, 1936. Class 13.

343,494. WRITING PADS, COMPOSITION BOOKS, NOTE BOOKS FOR STENOGRAPHIC AND GENERAL USAGE, BLANK MUSIC NOTATION BOOKS, SPELLING TABLETS, DRAWING PAPER TABLETS, PENCIL TABLETS, PRACTICE TABLETS, WRITING PAPER, AND LOOSE LEAVES FOR LOOSE LEAF BINDERS. THE STEDMAN COMPANY, Beaumont, Tex.
Filed August 29, 1936. Serial No. 382,730. PUBLISHED DECEMBER 15, 1936. Class 37.

343,495. SHAMPOO, WAVE SET, HAIR TONIC, HAIR RINSE, FACE CREAMS, NAIL POLISH, CUTICLE OIL, FACE POWDER, AND LIPSTICK. MCLAUGHLIN-OWEN COMPANY, Chicago, Ill.
Filed August 31, 1936. Serial No. 382,758. PUBLISHED NOVEMBER 17, 1936. Class 6.

343,496. HAIR WAVING SOLUTION, HAIR RINSE, HAIR TONIC, AND HAIR SHAMPOO. BONAT & BONAT, INC., New York, N. Y.
Filed September 2, 1936. Serial No. 382,819. PUBLISHED DECEMBER 8, 1936. Class 6.

343,497. PREPARATION OF SPICES, MINERAL SALTS, VEGETABLE SALTS, HERBS, AND DEHYDRATED VEGETABLES IN POWDER FORM FOR SEASONING FOODS. PERRY A. CLARK, doing business as Imperial Food Products, Los Angeles, Calif.
Filed September 2, 1936. Serial No. 382,822. PUBLISHED DECEMBER 8, 1936. Class 46.

343,498. PREPARATION FOR REMOVING HAIR. MORRIS COOPER, Baltimore, Md.
Filed September 4, 1936. Serial No. 382,906. PUBLISHED DECEMBER 1, 1936. Class 6.

343,499. ACTIVATED FULLER'S EARTH FOR TREATING MINERAL AND VEGETABLE OILS. WALTER S. BAYLIS, Los Angeles, Calif.
Filed September 8, 1936. Serial No. 383,001. PUBLISHED DECEMBER 15, 1936. Class 1.

343,500. BOOTS AND SHOES OF LEATHER. JOHN ENNIS, INC., Brooklyn, N. Y.
Filed September 8, 1936. Serial No. 383,010. PUBLISHED DECEMBER 8, 1936. Class 39.

343,501. EGGS. THE FARMVIEW STORES COMPANY, Cleveland, Ohio.
Filed September 9, 1936. Serial No. 383,055. PUBLISHED DECEMBER 8, 1936. Class 46.

343,502. PERFUME, TOILET WATER, SKIN LOTION, EAU VEGETAL, COLD CREAM, FACE POWDER, SACHETS, DUSTING POWDER, TALCUM POWDER, COMPACT POWDER, COMPACT ROUGE, BATH SALTS, BRILLIANTINE, LIPSTICK, AND BANDOLINE. HOUBIGANT, INC., New York, N. Y.
Filed September 9, 1936. Serial No. 383,060. PUBLISHED DECEMBER 8, 1936. Class 6.

343,503. PERFUME, TOILET WATER, SKIN LOTION, EAU VEGETAL, COLD CREAM, FACE POWDER, SACHETS, DUSTING POWDER, TALCUM POWDER, COMPACT POWDER, COMPACT ROUGE, BATH SALTS, BRILLIANTINE, LIPSTICK, AND BANDOLINE. HOUBIGANT, INC., New York, N. Y.
Filed September 9, 1936. Serial No. 383,061. PUBLISHED DECEMBER 8, 1936. Class 6.

343,504. SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. GENERAL SHOE CORPORATION, Nashville, Tenn.
Filed September 11, 1936. Serial No. 383,127. PUBLISHED DECEMBER 8, 1936. Class 39.

343,505. LADIES' UNDERWEAR, BANDEAUS, GIRDLES, FOUNDATION GARMENTS, AND SWIMMING SUITS. VASSAR COMPANY, Chicago, Ill.
Filed September 11, 1936. Serial No. 383,148. PUBLISHED DECEMBER 8, 1936. Class 39.

343,506. ACTIVATED FULLER'S EARTH FOR TREATING AND REFINING LUBRICATING OILS. WALTER S. BAYLIS, Los Angeles, Calif.
Filed September 12, 1936. Serial No. 383,157. PUBLISHED DECEMBER 15, 1936. Class 1.

343,507. INSECTICIDES, FUNGICIDES, GERMICIDES, AND BACTERICIDES. RUDOLPH REHOLD, New York, N. Y.
Filed September 14, 1936. Serial No. 383,226. PUBLISHED DECEMBER 8, 1936. Class 6.

343,508. MEN'S AND BOYS' CLOTHING—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS; NECKTIES; SUSPENDERS, TROUSER BELTS FOR OUTER WEAR; HANDKERCHIEFS, ETC. FRANKEL CLOTHING COMPANY, Des Moines, Iowa.
Filed September 15, 1936. Serial No. 383,264. PUBLISHED DECEMBER 15, 1936. Class 39.

343,509. LADIES' PANTIES. ARTHUR ADELMAN, doing business as Continental Undergarment Co., Brooklyn, N. Y.
Filed September 16, 1936. Serial No. 383,289. PUBLISHED DECEMBER 15, 1936. Class 39.

343,510. CORN CRIBS. NORTHWESTERN BARB WIRE COMPANY, Sterling, Ill.
Filed September 23, 1936. Serial No. 383,540. PUBLISHED DECEMBER 15, 1936. Class 2.

343,511. CORN CRIBS. NORTHWESTERN BARB WIRE COMPANY, Sterling, Ill.
Filed September 23, 1936. Serial No. 383,542. PUBLISHED DECEMBER 15, 1936. Class 2.

343,512. LIPSTICKS, PERFUMES, FACE POWDER COMPACTS, AND FACE POWDER. PRINCE MATCHABELLI PERFUMERY, INC., New York, N. Y.
Filed September 23, 1936. Serial No. 383,545. PUBLISHED DECEMBER 1, 1936. Class 6.

343,513. LIQUID TREATMENT FOR DISEASES AND AFFECTIONS OF THE EYES. SYLVAIN ROSENGART, Paris, France.
Filed September 24, 1936. Serial No. 383,601. PUBLISHED DECEMBER 1, 1936. Class 6.

343,514. FACE POWDER. TOKALON CHEMICAL CORPORATION, New York, N. Y.
Filed September 24, 1936. Serial No. 383,604. PUBLISHED DECEMBER 1, 1936. Class 6.

343,515. YARNS OF HIGH LUSTRE MADE BY SPINNING FLAX IN COMBINATION WITH OTHER FIBRES. FREDERICK J. FAWCETT, Boston, Mass.
Filed September 23, 1936. Serial No. 383,611. PUBLISHED DECEMBER 15, 1936. Class 43.

343,516. PERFUME. THE BUERGER BROTHERS SUPPLY COMPANY, Denver, Colo.
Filed September 24, 1936. Serial No. 383,613. PUBLISHED DECEMBER 1, 1936. Class 6.

343,517. PREPARED MINERAL INGREDIENTS COMPRISING LIME AND MAGNESIA WITH VARYING AMOUNTS OF ALUMINA AND SILICA FOR USE IN GLASS BATCH MIXTURES. BASIC DOLOMITE, INCORPORATED, Cleveland, Ohio.
Filed September 25, 1936. Serial No. 383,617. PUBLISHED DECEMBER 15, 1936. Class 1.

343,518. CARBON BLACK HAVING A COMBINATION OF USES IN THE INDUSTRIAL ARTS. J. M. HUBER, INC., New York, N. Y.
Filed September 25, 1936. Serial No. 383,622. PUBLISHED DECEMBER 1, 1936. Class 6.

343,519. BLEACH CREAMS, TISSUE CREAMS, COLD CREAMS, CLEANSING CREAMS, HAND CREAMS, HAND LOTIONS, PERFUMES, FACE POWDERS, ROUGE, LIPSTICK, EYEBROW AND EYELASH MASCARA. CHARLES P. HUGHES, Chicago, Ill.
Filed September 25, 1936. Serial No. 383,623. PUBLISHED DECEMBER 8, 1936. Class 6.

343,520. PIECE GOODS OF COTTON, WOOL, AND COTTON AND WOOL. KENILWORTH MFG. CO., INC., New York, N. Y.
Filed September 25, 1936. Serial No. 383,629. PUBLISHED DECEMBER 15, 1936. Class 42.

343,521. PREPARATION FOR CANCERS. CLARA RUSSELL, Flint, Mich.
Filed September 25, 1936. Serial No. 383,645. PUBLISHED DECEMBER 1, 1936. Class 6.

343,522. SKIN CREAM. TOKALON CHEMICAL CORPORATION, New York, N. Y.
Filed September 25, 1936. Serial No. 383,658. PUBLISHED DECEMBER 1, 1936. Class 6.

343,523. FACE POWDER. TOKALON CHEMICAL CORPORATION, New York, N. Y.
Filed September 25, 1936. Serial No. 383,659. PUBLISHED DECEMBER 1, 1936. Class 6.

343,524. PHOTOGRAPHIC CHEMICALS AND PARTICULARLY FOR PHOTOGRAPHIC DEVELOPER. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed September 26, 1936. Serial No. 383,667. PUBLISHED DECEMBER 1, 1936. Class 6.

343,525. PHOTOGRAPHIC CHEMICALS AND PARTICULARLY FOR PHOTOGRAPHIC DEVELOPER. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed September 26, 1936. Serial No. 383,668. PUBLISHED DECEMBER 1, 1936. Class 6.

343,526. WOOLEN GOODS—NAMELY, PIECE GOODS AND BLANKETS. AMERICAN WOOLEN COMPANY, New York, N. Y.
Filed September 26, 1936. Serial No. 383,669. PUBLISHED DECEMBER 15, 1936. Class 42.

343,527. WOOLEN GOODS—NAMELY, PIECE GOODS AND BLANKETS. AMERICAN WOOLEN COMPANY, New York, N. Y.
Filed September 26, 1936. Serial No. 383,670. PUBLISHED DECEMBER 15, 1936. Class 42.

343,528. COAL AND COKE. CLARK-COLEMAN COAL & COKE CO., Peoria, Ill.
Filed September 26, 1936. Serial No. 383,675. PUBLISHED DECEMBER 15, 1936. Class 1.

343,529. SHOES MADE OF LEATHER OR FABRIC OR A COMBINATION OF LEATHER AND FABRIC. SOMERSET SHOE CO., Auburn, Maine.
Filed September 26, 1936. Serial No. 383,691. PUBLISHED DECEMBER 8, 1936. Class 39.

343,530. METAL CANS. CROWN CAN COMPANY, Philadelphia, Pa.
Filed September 28, 1936. Serial No. 383,721. PUBLISHED DECEMBER 15, 1936. Class 2.

343,531. IMITATION VANILLA FLAVOR FOR FOODS, WORCESTERSHIRE SAUCE, STEAK SAUCE, CHOP SUEY SAUCE, AND HOT SAUCE. JERSEY-CREME COMPANY, doing business as The Julep Company, Fort Worth, Tex., and Chicago, Ill.
Filed September 28, 1936. Serial No. 383,742. PUBLISHED DECEMBER 15, 1936. Class 46.

343,532. COMPOUND OF CHLORAMINE-T AND SODIUM BICARBONATE FOR USE AS A GERMICIDAL WASH AND RINSE. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware.
Filed September 29, 1936. Serial No. 383,779. PUBLISHED DECEMBER 8, 1936. Class 6.

343,533. FACE POWDER, LIP STICK, FACE ROUGE, CLEANSING CREAM, COLD CREAM, FOUNDATION CREAM, ETC. HARRY D. KOENIG, New York, N. Y.
Filed September 30, 1936. Serial No. 383,810. PUBLISHED DECEMBER 1, 1936. Class 6.

343,534. COMBINED CARBONATING AND DISPENSING RECEPTACLE FOR LIQUIDS. EATON DETROIT METAL COMPANY, Cleveland, Ohio.
Filed October 1, 1936. Serial No. 383,837. PUBLISHED DECEMBER 15, 1936. Class 2.

343,535. DYES FOR LEATHER. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed October 1, 1936. Serial No. 383,838. PUBLISHED DECEMBER 1, 1936. Class 6.

343,536. PREPARATION FOR RELIEF OF ATHLETE'S FOOT. RONALD ELLROY NEY, doing business N & B Laboratories, Harrisonburg, Va.
Filed October 1, 1936. Serial No. 383,850. PUBLISHED DECEMBER 8, 1936. Class 6.

343,537. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT. HAYS MACFARLAND AND COMPANY, doing business as Togo, Chicago, Ill.
Filed October 2, 1936. Serial No. 383,884. PUBLISHED DECEMBER 8, 1936. Class 6.

343,538. INSECTICIDES. THE MABEX CO., Philadelphia, Pa.
Filed October 2, 1936. Serial No. 383,889. PUBLISHED DECEMBER 8, 1936. Class 6.

343,539. MEN'S SHOES OF LEATHER. R. H. MACY & CO., INC., New York, N. Y.
Filed October 2, 1936. Serial No. 383,890. PUBLISHED DECEMBER 8, 1936. Class 39.

343,540. PERFUME. LUCIEN LELONG INC., Chicago, Ill.
Filed October 3, 1936. Serial No. 383,931. PUBLISHED DECEMBER 8, 1936. Class 6.

343,541. MEDICINAL PREPARATION—NAMELY, A VASODILATOR-HYPERTENSION IN TABLET FORM. Mrs. JAMES S. ROBINSON, doing business as James S. Robinson, Apothecary, Memphis, Tenn.
Filed October 3, 1936. Serial No. 383,943. PUBLISHED DECEMBER 8, 1936. Class 6.

343,542. FRESH CITRUS FRUITS. SANTA PAULA ORANGE ASSN., Santa Paula, Calif.
Filed October 3, 1936. Serial No. 383,948. PUBLISHED DECEMBER 8, 1936. Class 46.

343,543. WINES. CARMELO TORNELLO, doing business as C. Tornello & Co., Youngstown, Ohio.
Filed October 3, 1936. Serial No. 383,961. PUBLISHED DECEMBER 15, 1936. Class 47.

343,544. WOMEN'S AND MISSES' DRESSES, HOUSE DRESSES, WASH FROCKS, HOOVERETTES, OR ANY FORM OF WRAP-AROUND DRESSES. B. & B. MANUFACTURING CO., INC., Orange, N. J.
Filed October 5, 1936. Serial No. 383,974. PUBLISHED DECEMBER 8, 1936. Class 39.

343,545. BOOK PAPERS, ROTOGRAVURE, AND NEWS PRINT PAPER. CONSOLIDATED WATER POWER & PAPER COMPANY, Wisconsin Rapids, Wis.
Filed October 5, 1936. Serial No. 383,987. PUBLISHED DECEMBER 15, 1936. Class 37.

343,546. BAGS MADE OF PAPER AND/OR BURLAP. DARLING & COMPANY, Chicago, Ill.
Filed October 5, 1936. Serial No. 383,988. PUBLISHED DECEMBER 15, 1936. Class 2.

343,547. PICKLING COMPOUNDS IN LIQUID AND POWDERED FORM FOR REMOVING SCALE FROM STEEL. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed October 5, 1936. Serial No. 384,000. PUBLISHED DECEMBER 8, 1936. Class 6.

343,548. CARBURIZERS FOR LIQUID BATHS USED IN THE TREATMENT OF STEEL. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed October 5, 1936. Serial No. 384,001. PUBLISHED DECEMBER 8, 1936. Class 6.

343,549. HAND KNITTING YARN. WALTER MCCOOK, Philadelphia, Pa.
Filed October 5, 1936. Serial No. 384,004. PUBLISHED DECEMBER 15, 1936. Class 43.

343,550. ANTI-ACID, CARMINATIVE, DIGESTANT, AND LAXATIVE. E. G. NETZEL, Los Angeles, Calif.
Filed October 5, 1936. Serial No. 384,007. PUBLISHED DECEMBER 8, 1936. Class 6.

343,551. MEN'S AND BOYS' COATS, SUITS, PANTS, VESTS, OVERCOATS, AND JACKETS. LOUIS KAPLAN, INCORPORATED, New York, N. Y.
Filed October 6, 1936. Serial No. 384,037. PUBLISHED DECEMBER 8, 1936. Class 39.

343,552. ALIMENTARY PASTE. NATIONAL FOOD PRODUCTS CO., New Orleans, La.
Filed October 6, 1936. Serial No. 384,046. PUBLISHED DECEMBER 8, 1936. Class 46.

343,553. PREPARATION FOR THE RELIEF OF ATHLETE'S FOOT AND COMMON FUNGUS SKIN INFECTIONS. OLD RELIABLE LABORATORIES, INCORPORATED, Ashland, Ky.
Filed October 6, 1936. Serial No. 384,048. PUBLISHED DECEMBER 8, 1936. Class 6.

343,554. ANTISEPTIC AND GERMICIDE FOR RELIEF OF SUNBURN, WINDBURN, AND CHAPPING, FOR CUTS, BLISTERS, COLD SORES, RING WORM, ATHLETE'S FOOT, HIVES, BURNS, ABRASIONS, SCALDS, AND OTHER SKIN IRRITATIONS. SKOL PRODUCTS CO. INC., now by change of name Skol Company, Inc., Mount Kisco, N. Y.
Filed October 6, 1936. Serial No. 384,054. PUBLISHED DECEMBER 8, 1936. Class 6.

343,555. BRAKE DRUMS. CHRISTIANA MACHINE COMPANY, Christiana, Pa.
Filed October 7, 1936. Serial No. 384,071. PUBLISHED DECEMBER 15, 1936. Class 19.

343,556. BOYS' PANTS AND BOYS' SPORT JACKETS. DUNRITE TROUSER COMPANY, New York, N. Y.
Filed October 7, 1936. Serial No. 384,074. PUBLISHED DECEMBER 15, 1936. Class 39.

343,557. CRACKERS. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed October 8, 1936. Serial No. 384,112. PUBLISHED DECEMBER 15, 1936. Class 46.

343,558. FIBROUS PULP COASTERS. M. T. BIRD & CO., INCORPORATED, Boston, Mass.
Filed October 8, 1936. Serial No. 384,115. PUBLISHED DECEMBER 15, 1936. Class 50.

343,559. AMMONIA, GERMICIDE, DISINFECTANTS, AND BLUING. MARIO CAPELLO, doing business as The Effor Co., Boston, Mass.
Filed October 8, 1936. Serial No. 384,127. PUBLISHED DECEMBER 8, 1936. Class 6.

343,560. ROLLS OF KRAFT PAPER. NORTHERN KRAFT ASSOCIATION, Chicago, Ill.
Filed October 8, 1936. Serial No. 384,133. PUBLISHED DECEMBER 15, 1936. Class 37.

343,561. PREPARATION FOR THE TREATMENT OF BOILS AND OTHER STAPHYLOCOCCIC INFECTIONS. SPICER AND COMPANY, Glendale, Calif.
Filed October 8, 1936. Serial No. 384,142. PUBLISHED DECEMBER 8, 1936. Class 6.

343,562. WINES. FREIDELL WINERY COMPANY, INC., Hammondsport, N. Y.
Filed October 9, 1936. Serial No. 384,155. PUBLISHED DECEMBER 15, 1936. Class 47.

343,563. SPRING WATER AND NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. THE PEQUOT SPRING WATER CO., Hartford, Conn.
Filed October 9, 1936. Serial No. 384,164. PUBLISHED DECEMBER 15, 1936. Class 45.

343,564. VAGINAL ANTISEPTIC. LYDIA ALLEN DEVILBISS, Miami, Fla.
Filed October 10, 1936. Serial No. 384,201. PUBLISHED DECEMBER 8, 1936. Class 6.

343,565. LATHER SOAP DISPENSERS. MAC B. FEINSON, doing business as Bobrick Dispenser Co., New York, N. Y.
Filed October 10, 1936. Serial No. 384,204. PUBLISHED DECEMBER 15, 1936. Class 13.

343,566. LADIES' SHOES MADE OF LEATHER AND LEATHER AND FABRIC COMBINATIONS. HOMAN SHOE CO., INC., Philadelphia, Pa.
Filed October 10, 1936. Serial No. 384,212. PUBLISHED DECEMBER 8, 1936. Class 39.

343,567. TEXTILE FABRICS IN THE PIECE OF ALL TYPES AND STYLES, MADE OF COTTON, SILK, RAYON, ARTIFICIAL SILK, ETC. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed October 10, 1936. Serial No. 384,217. PUBLISHED DECEMBER 15, 1936. Class 42.

343,568. MEDICINAL PREPARATION IN TABLET FORM TO BE TAKEN INTERNALLY FOR TREATMENT IN RHEUMATISM, CONSTIPATION, KIDNEY TROUBLE, TORPID LIVER, INDIGESTION, STOMACH TROUBLE, HEADACHE, GRIP, AND ECZEMA, AND AS A BLOOD TONIC. SEMINOLE DRUG COMPANY, Lebanon, Pa.
Filed October 10, 1936. Serial No. 384,219. PUBLISHED DECEMBER 8, 1936. Class 6.

343,569. MEN'S AND WOMEN'S HATS. TEXAS HARVEST HAT COMPANY, Laredo, Tex.
Filed October 10, 1936. Serial No. 384,223. PUBLISHED DECEMBER 8, 1936. Class 39.

343,570. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS. GERSON GOODMAN TUTELMAN COMPANY, Philadelphia, Pa.
Filed October 12, 1936. Serial No. 384,228. PUBLISHED DECEMBER 15, 1936. Class 39.

343,571. HOSIERY. SAMUEL M. BISSINGER, doing business as S. M. Bissinger Co., New York, N. Y.
Filed October 12, 1936. Serial No. 384,238. PUBLISHED DECEMBER 8, 1936. Class 39.

343,572. HOSIERY. GUDE'S, Los Angeles, Calif.
Filed October 12, 1936. Serial No. 384,252. PUBLISHED DECEMBER 8, 1936. Class 39.

343,573. GAS ANALYZERS. THE HAYS CORPORATION, Michigan City, Ind.
Filed October 12, 1936. Serial No. 384,254. PUBLISHED DECEMBER 15, 1936. Class 26.

343,574. HOUSE CLEANING DEVICES—NAMELY, DUST MOPS, OIL MOPS, YACHT MOPS, SELF-WRINGING MOPS, MOP STICKS, MOP HEADS, BROOMS, FLOOR BRUSHES, AND WALL DUSTERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 12, 1936. Serial No. 384,270. PUBLISHED DECEMBER 15, 1936. Class 29.

343,575. HOSIERY PROTECTORS ADAPTED TO BE WORN ON THE FOOT. MAURICE B. SCHARFELD, doing business as Cap-A-Toe Company, Cleveland, Ohio.
Filed October 12, 1936. Serial No. 384,272. PUBLISHED DECEMBER 1, 1936. Class 39.

343,576. ELECTRIC MOTORS AND ELECTRIC SWITCHES. WALKER-TURNER COMPANY, INC., Plainfield, N. J.
Filed October 12, 1936. Serial No. 384,277. PUBLISHED DECEMBER 15, 1936. Class 21.

343,577. PAPER NAPKINS AND DOILIES. DANIELS MANUFACTURING COMPANY, Rhinelander, Wis.
Filed October 12, 1936. Serial No. 384,282. PUBLISHED DECEMBER 15, 1936. Class 37.

343,578. MEN'S NECKTIES AND MUFFLERS. CHARLES S. GELLES, Boston, Mass.
Filed October 13, 1936. Serial No. 384,290. PUBLISHED DECEMBER 8, 1936. Class 39.

343,579. PAINT PIGMENTS. KREBS PIGMENT & COLOR CORPORATION, Wilmington, Del.
Filed October 13, 1936. Serial No. 384,293. PUBLISHED DECEMBER 15, 1936. Class 16.

343,580. WOMEN'S AND MISSES' BLOUSES. MITCHELL & WEBER, INC., New York, N. Y.
Filed October 13, 1936. Serial No. 384,296. PUBLISHED DECEMBER 8, 1936. Class 39.

343,581. CLOTHING—NAMELY, MEN'S SUITS. SEWELL MANUFACTURING COMPANY, Bremen, Ga.
Filed October 13, 1936. Serial No. 384,303. PUBLISHED DECEMBER 15, 1936. Class 39.

343,582. PIECE GOODS CONSISTING IN WHOLE OR IN PART OF PURE OR WEIGHTED SILK, RAYON, SYNTHETIC YARN, COTTON, OR WOOL. JULES L. FOREMAN, New York, N. Y.
Filed October 14, 1936. Serial No. 384,323. PUBLISHED DECEMBER 15, 1936. Class 42.

343,583. PIECE GOODS CONSISTING IN WHOLE OR IN PART OF PURE OR WEIGHTED SILK, RAYON, SYNTHETIC YARN, COTTON, OR WOOL. JULES L. FOREMAN, New York, N. Y.
Filed October 14, 1936. Serial No. 384,324. PUBLISHED DECEMBER 15, 1936. Class 42.

343,584. HEMORRHOIDAL SUPPOSITORIES AND OINTMENT. F. AD. RICHTER & Co. INC., Brooklyn, N. Y.
Filed October 14, 1936. Serial No. 384,336. PUBLISHED DECEMBER 8, 1936. Class 6.

343,585. COTTON PIECE GOODS, PARTICULARLY DRILL. WELLINGTON SEARS COMPANY, Boston, Mass.
Filed October 14, 1936. Serial No. 384,346. PUBLISHED DECEMBER 15, 1936. Class 42.

343,586. HOSIERY, MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR, BATHING SUITS, BEACH ROBES, POLO SHIRTS, SLACKS, AND SWEATERS. BROWN DURRELL CO., Boston, Mass., and New York, N. Y.
Filed October 15, 1936. Serial No. 384,367. PUBLISHED DECEMBER 15, 1936. Class 39.

343,587. WOMEN'S AND MISSES' LINGERIE—NAMELY, SLIPS, CHEMISES, DANCE SETS COMPRISED OF BRASSIÈRES AND PANTIES; NIGHTGOWNS, PAJAMAS, PANTIES, HALF-SLIPS. CANNON SHOE COMPANY, Baltimore, Md.
Filed October 15, 1936. Serial No. 384,369. PUBLISHED DECEMBER 15, 1936. Class 39.

343,588. SHEET GLASS, FLAT GLASS, PLATE GLASS, WINDOW GLASS, VERTICALLY DRAWN GLASS, AND CASE-HARDENED GLASS SHEETS KNOWN AS SAFETY GLASS. FOURCO GLASS COMPANY, Clarksburg, W. Va.
Filed October 15, 1936. Serial No. 384,376. PUBLISHED DECEMBER 15, 1936. Class 33.

343,589. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed October 15, 1936. Serial No. 384,378. PUBLISHED DECEMBER 8, 1936. Class 39.

343,590. PIECE GOODS OF SILK, RAYON, AND COMBINATIONS THEREOF. LANOLEY FABRICS, INC., New York, N. Y.
Filed October 15, 1936. Serial No. 384,380. PUBLISHED DECEMBER 15, 1936. Class 42.

343,591. DRESS TROUSERS AND SLACKS. S. MAKRANSKY & SONS, Philadelphia, Pa.
Filed October 15, 1936. Serial No. 384,385. PUBLISHED DECEMBER 8, 1936. Class 39.

343,592. WOMEN'S AND MISSES' DRESSES. THE MAY DEPARTMENT STORES, New York, N. Y.; Cleveland and Akron, Ohio; Baltimore, Md.; St. Louis, Mo.; Denver, Colo., and Los Angeles, Calif.
Filed October 15, 1936. Serial No. 384,386. PUBLISHED DECEMBER 15, 1936. Class 39.

343,593. HOSIERY. PRIM-ERA HOSIERY MILLS, INC., Chester, Ill.
Filed October 15, 1936. Serial No. 384,390. PUBLISHED DECEMBER 8, 1936. Class 39.

343,594. ABRADING ELEMENTS—NAMELY, ABRASIVE DISKS, ABRASIVE BELTS, AND ABRASIVE PAPERS AND CLOTHS. INDUSTRIAL ABRASIVES, INCORPORATED, Chicago, Ill.
Filed October 16, 1936. Serial No. 384,421. PUBLISHED DECEMBER 8, 1936. Class 4.

343,595. BOYS' CLOTHING—NAMELY, SUITS, PANTS, JACKETS, AND OVERCOATS. SEARS, ROEBUCK & Co., Chicago, Ill.
Filed October 16, 1936. Serial No. 384,440. PUBLISHED DECEMBER 8, 1936. Class 39.

343,596. SHEETS AND PILLOW CASES. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed October 17, 1936. Serial No. 384,448. PUBLISHED DECEMBER 15, 1936. Class 42.

343,597. GLASS CLEANSER. H. KIRK WHITE & Co., Oconomowoc, Wis.
Filed October 17, 1936. Serial No. 384,488. PUBLISHED DECEMBER 8, 1936. Class 4.

343,598. NECKTIES. BOTANY WORSTED MILLS, Passaic, N. J.
Filed October 19, 1936. Serial No. 384,500. PUBLISHED DECEMBER 8, 1936. Class 39.

343,599. ALE. FRANK FEHR BREWING COMPANY, INCORPORATED, Lonisville, Ky.
Filed October 19, 1936. Serial No. 384,520. PUBLISHED DECEMBER 15, 1936. Class 48.

343,600. WOMEN'S AND MISSES' DRESSES. GOLDSTEIN & LEVIN, Philadelphia, Pa.
Filed October 19, 1936. Serial No. 384,529. PUBLISHED DECEMBER 8, 1936. Class 39.

343,601. WOMEN'S AND MISSES' DRESSES, COATS, AND LINGERIE—NAMELY, VESTS, PANTIES, UNDERSHIRTS, BLOOMERS, STEPINS, CHEMISES, BED JACKETS, NIGHTGOWNS, SLIPS, PETTICOATS, KIMONOS, BLOOMER SUITS, AND PAJAMAS. DANA H. GRANT, New York, N. Y., assignor to Jaska Limited, Leicester, England.
Filed October 19, 1936. Serial No. 384,530. PUBLISHED DECEMBER 8, 1936. Class 39.

343,602. LADIES' DRESSES. KLASO GARMENT CO., INC., St. Louis, Mo.
Filed October 19, 1936. Serial No. 384,536. PUBLISHED DECEMBER 8, 1936. Class 39.

343,603. DRY CLEANING SOAP. DAVID B. LESSER, doing business as The Benzofoam Products Co., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,540. PUBLISHED DECEMBER 8, 1936. Class 4.

343,604. SUITS, COATS, VESTS, PANTS, OVERCOATS, AND TOPCOATS FOR MEN. S. MAKRANSKY & SONS, Philadelphia, Pa.
Filed October 19, 1936. Serial No. 384,543. PUBLISHED DECEMBER 8, 1936. Class 39.

343,605. YARNS. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 20, 1936. Serial No. 384,580. PUBLISHED DECEMBER 15, 1936. Class 43.

343,606. MEN'S DRESS AND SPORT SHIRTS, BOYS' BLOUSES, MEN'S UNDERSHIRTS, AND MEN'S SHORTS. LOUIS MILLER, doing business as Louis Miller and Co., New York, N. Y.
Filed October 20, 1936. Serial No. 384,594. PUBLISHED DECEMBER 15, 1936. Class 39.

343,607. ELECTRICAL CONDUITS. PARR ELECTRIC EXPORT CORPORATION, Brooklyn, N. Y.
Filed October 21, 1936. Serial No. 384,625. PUBLISHED DECEMBER 15, 1936. Class 21.

343,608. RAZOR BLADES. THE FEDERAL RAZOR BLADE COMPANY, Newark, N. J.
Filed October 22, 1936. Serial No. 384,656. PUBLISHED DECEMBER 15, 1936. Class 23.

343,609. VARNISHES, BAKING ENAMELS, AND SYNTHETIC RESIN. HERESITE & CHEMICAL COMPANY, Manitowoc, Wis.
Filed October 22, 1936. Serial No. 384,659. PUBLISHED DECEMBER 15, 1936. Class 16.

343,610. BALATA AND COTTON BELTING. VICTOR BALATA & TEXTILE BELTING CO., Easton, Pa., and New York, N. Y.
Filed October 23, 1936. Serial No. 384,697. PUBLISHED DECEMBER 15, 1936. Class 35.

343,611. LADIES' WASHABLE DRESSES OF COTTON AND RAYON. RELIANCE MANUFACTURING COMPANY, doing business as The Sterling Company, Chicago, Ill.
Filed October 23, 1936. Serial No. 384,719. PUBLISHED DECEMBER 15, 1936. Class 39.

343,612. TOPCOATS AND OVERCOATS FOR MEN AND YOUNG MEN. EAGLE CLOTHES, New York, N. Y.
Filed October 24, 1936. Serial No. 384,737. PUBLISHED DECEMBER 15, 1936. Class 39.

343,613. CONCENTRATED PASTE PAINT. AMERICAN ARTISTS' COLOR WORKS INC., Brooklyn, N. Y.
Filed October 27, 1936. Serial No. 384,837. PUBLISHED DECEMBER 15, 1936. Class 16.

343,614. BASE BALLS, FIELDERS' GLOVES, TENNIS RACKETS, GOLF BALLS, BASKET BALLS, FOOT BALLS, AND SOCCER BALLS. SUPPLEE-BIDDLE HARDWARE COMPANY, doing business as Crown Manufacturing Co., Philadelphia, Pa.
Filed November 2, 1936. Serial No. 385,073. PUBLISHED DECEMBER 15, 1936. Class 22.

343,615. HIGH EXPLOSIVE. HERCULES POWDER COMPANY, Wilmington, Del.
Filed November 4, 1936. Serial No. 385,122. PUBLISHED DECEMBER 15, 1936. Class 9.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

343,616. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY KOENIG, doing business as The Fern Andra Company, Chicago, Ill. Filed Sept. 3, 1935. Serial No. 368,938.

Fern Andra

For Cleansing Cream.
Claims use since Aug. 13, 1935.

343,617. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Sept. 10, 1935. Serial No. 369,158.

SWETPRUF

For Wrist Watch Straps.
Claims use since July 1, 1935.

343,618. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCREEN AND STAGE MAKE-UP BY ELIZABETH ARDEN LTD., Hollywood, Calif. Filed Nov. 11, 1935. Serial No. 371,448.

SCREEN & STAGE MAKE-UP by Elizabeth Arden

For Eyelash Make-Up, Lip Rouge, Foundation Cream, Face Powder, Rouge.
Claims use since July 1, 1935.

343,619. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOSEPH E. LAYTON, Seattle, Wash. Filed Nov. 29, 1935. Serial No. 372,108.

PIKGARD

For Beak Guards for Chickens or Other Fowls.
Claims use since Aug. 21, 1933.

343,620. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GENCO, INC., Chicago, Ill. Filed Dec. 30, 1935. Serial No. 373,169.

GOLD MEDAL

For Coin Controlled Amusement Apparatus.
Claims use since Nov. 4, 1935.

343,621. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn., a corporation of Connecticut. Filed Jan. 14, 1936. Serial No. 373,635.

Even-Glow

For Electric Floor and Table Lamps.
Claims use since Dec. 31, 1935.

343,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. M. MEINCKE & SON, INC., Chicago, Ill. Filed Mar. 2, 1936. Serial No. 375,452.

TUFJEL

For Sizing for Paper and Textiles.
Claims use since Nov. 25, 1931.

343,623. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NYAL COMPANY, Detroit, Mich. Filed Apr. 13, 1936. Serial No. 377,164.

HOLDTITE

For Dental Plate Powder.
Claims use since Dec. 5, 1932.

343,624. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KAPLAN RICE MILL, INC., Kaplan, La. Filed Apr. 20, 1936. Serial No. 377,399.

VERMILION

For Rice.
Claims use since March, 1934.

343,625. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PACIFIC CAR AND FOUNDRY COMPANY, Seattle and Renton, Wash. Filed May 26, 1936. Serial No. 378,902.

Steelcoach

For Bus Bodies.
Claims use since Feb. 1, 1930.

343,626. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EBERLE TANNING COMPANY, Westfield, Pa. Filed June 6, 1936. Serial No. 379,375.

STURDY OAK

For Sole Leather.
Claims use since Jan. 1, 1936.

343,627. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN JOSEPH MUSSELMAN, Watertown, N. Y. Filed Sept. 3, 1936. Serial No. 382,880.

FRU"TANG"
"The Tang of the Fruit"

For Nonalcoholic, Maltless Beverages, Sold as Soft Drinks, and Syrups for Making the Same.
Claims use since Jan. 1, 1932.

343,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST T. PARKER, doing business as Parker Products Company, Abilene, Tex. Filed Oct. 2, 1936. Serial No. 383,896.

KWIKOUT

For A Chemical Ink Eradicator.
Claims use since Aug. 1, 1934.

343,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. J. F. TRUE & COMPANY, INC., Auburn, Maine. Filed Oct. 3, 1936. Serial No. 383,962.

Dr. True's Elixir
The True Family Laxative and Round Worm Expeller

For Vermifuge and Medicines for Indigestion, Biliousness, Headaches, Colds, and Diseases of the Stomach and Liver.
Claims use since Oct. 1, 1934.

343,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STOUGHTON GRAIN CO., Stoughton, Mass. Filed Oct. 13, 1936. Serial No. 384,304.



For Mixed Poultry Feeds and Dried Yeast Used for Animal Feeding.
Claims use since Jan. 1, 1936.

343,631. (CLASS 37. PAPER AND STATIONERY.) GETTIER-MONTANYE, INC., Baltimore, Md. Filed Oct. 17, 1936. Serial No. 384,459.

RITE-EZEE

For Mechanical Pencils.
Claims use since June 1, 1935.

343,632. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LEVERING LABORATORIES, INC., St. Louis, Mo. Filed Nov. 7, 1936. Serial No. 385,262.

Levering's

For Nasal Vaporizers.
Claims use since Dec. 23, 1935.

343,633. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID SALZMAN, New York, N. Y. Filed Nov. 10, 1936. Serial No. 385,368.

JUNE ARDINGTON

For Astringent Lotion, Lemon Rinse Concentrate, Revitalizing Permanent Wave Lotion, Wave Set Tonic, Permanent Wave Oil, Permanent Wave Shampoo, Antiseptic Oil, Ammonia, Peroxide, Egyptian Henna, White Henna, Soapless Shampoo Oil, Solvent for Removing Nail Polish, Softener for Cuticles, Nail White, Cuticle Cream, Cucumber Cream, Nail Polish.
Claims use since June 15, 1935.

TRADE-MARK REGISTRATIONS RENEWED

110,912. PERFUMES, TOILET WATERS, FACE-POWDERS, AND FACE-CREAMS. Registered June 20, 1916. GEORGE H. BETTS. Renewed June 20, 1936, to Glebeas Importation Co. Inc., New York, N. Y., a corporation of New York, successor.

111,387. ROASTED COFFEE. Registered July 11, 1916. STEINWENDER-STOFFREGEN COFFEE CO., St. Louis, Mo. Renewed July 11, 1936, to The McAtee Newell Coffee Co., Inc., Bloomington, Ill., a corporation of Illinois, successor.

114,378. ROOFING PAPER AND FELT, AND PREPARED ROOFING. Registered December 12, 1916. PIONEER PAPER CO. Renewed December 12, 1936, to Pioneer-Flintkote Company, Los Angeles, Calif., a corporation of California, by change of name.

114,630. HOSIERY. Registered December 26, 1916. DREIFUS, TICHNER & ECKSTEIN. Renewed December 26, 1936, to Elsie Hosiery Co. Inc., New York, N. Y., a corporation of New York, successor.

114,740. ROASTED COFFEE. Registered January 2, 1917. FORT SMITH COFFEE COMPANY, Fort Smith, Ark., a corporation of Arkansas. Renewed January 2, 1937.

114,822. COOKING-FAT. Registered January 2, 1917. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed January 2, 1937.

114,870. REFINED PETROLEUM TO BE USED AS A REMEDY OR EMOLLIENT. Registered January 9, 1917. CENTRAL COMMERCIAL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 9, 1937.

114,912. WATCHES, WATCHCASES, ALL PARTS OF WATCHES AND WATCH-MOVEMENTS. Registered January 9, 1917. WALTHAM WATCH COMPANY. Renewed January 9, 1937, to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts, assignee.

114,914. CLOCKS AND WATCHES. Registered January 9, 1917. WESTERN CLOCK CO., Peru, Ill. Renewed January 9, 1937, to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

115,084. A PREPARATION FOR THE TREATMENT OF HEADACHES, FEVER, NEURALGIA, SCIATICA, NERVOUSNESS, AND INSOMNIA. Registered January 23, 1917. Hed-Tone Company. Renewed January 23, 1937, to G. C. Thomsen, Waco, Tex., successor.

115,102. BOND-PAPER AND WAXING-PAPER. Registered January 23, 1917. MUNISING PAPER COMPANY. Renewed January 23, 1937, to The Munising Paper Company, Munising, Mich., a corporation of Ohio, successor.

116,644. HAIR-DRESSING. Registered May 15, 1917. HOPFINGER & ROTH. Renewed May 15, 1937, to Ho-Ro-Co Manufacturing Company, St. Louis, Mo., a corporation of Missouri, successor.

116,944. COAL. Registered June 5, 1917. THE CONSOLIDATION COAL CO., Baltimore, Md. Renewed June 5, 1937, to Consolidation Coal Company, New York, N. Y., a corporation of Maryland.

116,985. SILK CLOTH IN THE PIECE, BOTH KNITTED AND TEXTILE. Registered June 5, 1917. SCHUYLKILL SILK MILLS. Renewed June 5, 1937, to Vanity Fair Silk Mills, Reading, Pa., a corporation of Pennsylvania, by change of name.

117,200. WHEAT-FLOUR, SELF-RISING. Registered June 19, 1917. PORTLAND FLOURING MILLS COMPANY, Portland, Oreg. Renewed June 19, 1937, to Sperry Flour Company, San Francisco, Calif., a corporation of Delaware, assignor by mesne assignments.

LABELS

REGISTERED FEBRUARY 23, 1937

48,969.—*Title:* ADLA TABLETS. For Stomach Tablets. THE ADLERIKA COMPANY, St. Paul, Minn. Published October 6, 1936.

48,970.—*Title:* DEBS. For Butter Crackers. AMERICAN BAKERIES CO., Atlanta, Ga. Published September 18, 1936.

48,971.—*Title:* BABY CHICKS. For Baby Chicks. ANDERSON BOX COMPANY, Indianapolis, Ind. Published May 30, 1935.

48,972.—*Title:* ANTROL. For Ant Traps. ANTROL LABORATORIES, INC., Los Angeles, Calif. Published December 1, 1936.

48,973.—*Title:* FLYROL. For a Household Insecticide. ANTROL LABORATORIES, INC., Los Angeles, Calif. Published December 1, 1936.

48,974.—*Title:* DUROGRAPHIC CARBON PAPER. For Carbon Paper. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Published December 3, 1936.

48,975.—*Title:* B B B BLAIZE BLUE RAZOR BLADE. For Razor Blades. BLAIZE BLUE RAZOR BLADE CO., Detroit, Mich. Published October 31, 1936.

48,976.—*Title:* SKY PEAK. For Citrus Fruits. BONITA FRUIT SALES CO., INC., Davenport, Fla. Published September 1, 1936.

48,977.—*Title:* LAZY BONES. For Citrus Fruits. BONITA FRUIT SALES CO., INC., Davenport, Fla. Published September 1, 1936.

48,978.—*Title:* VIRGINIA GENTLEMAN. For Straight Bourbon Whiskey. ABRAM SMITH BOWMAN, doing business as A. Smith Bowman Distillery, Sunset Hills, Va. Published November 13, 1936.

48,979.—*Title:* CORD-WIRE ANCHORS. For Cord-Wire Anchors. ARTHUR C. BROWN, doing business as Cord-Wire Anchor Company, New York, N. Y. Published November 2, 1936.

48,980.—*Title:* JOCKEY CLUB. For Beer. RALPH BUGLIO, doing business as R. Buglio Beer Distributors, Chicago, Ill. Published December 1, 1936.

48,981.—*Title:* PEG-A-PICTURE. For a Toy. HARRY J. CHAPMAN, doing business as Chappy Craft Industries, Chelsea, Mich. Published August 20, 1936.

48,982.—*Title:* BIRD-E-RATION. For Mixed Bird Seed. CHAPPELL BROS. INC., Rockford, Ill. Published October 1, 1936.

48,983.—*Title:* BEAR BRAND SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 4, 1936.

48,984.—*Title:* BUY 3 ROLLS AND GET 1 ROLL FREE. For Toilet Tissue. COMFORT PAPER CORPORATION, San Francisco, Calif. Published December 22, 1936.

48,985.—*Title:* GET ONE ROLL FOR ½ PRICE. For Toilet Tissue. COMFORT PAPER CORPORATION, San Francisco, Calif. Published December 22, 1936.

48,986.—*Title:* DE LUCA SOLUTION. For an External Application or Solution for Use on Skin Diseases. HENRY DE LUCA, doing business as De Luca Chemical COMPANY, New York, N. Y. Published December 8, 1936.

48,987.—*Title:* DERMO-D. For Skin Lotion. MAUDE V. DULL, doing business as Dermo-D-Laboratories, Richland Center, Wis. Published October 23, 1936.

48,988.—Title: McSORLEY'S ALE. For Ale. FIDELIA BREWERY INC., New York, N. Y. Published December 28, 1936.

48,989.—*Title:* DITTO. For Canned Peas. FINE FOODS, INC., Seattle, Wash. Published August 19, 1936.

48,990.—*Title:* GINGERBREADMAN COOKIES. For Cookies. WILLIAM GASTON, New York, N. Y. Published December 24, 1936.

48,991.—*Title:* DELCO HYDRAULIC BRAKE SERVICE PART. For Hydraulic Brake Service Parts. GENERAL MOTORS CORPORATION, Dayton, Ohio. Published December 1, 1936.

48,992.—*Title:* HARVARD CLUB. For Coffee. MARTIN L. HALL COMPANY, Boston, Mass. Published January 11, 1937.

48,993.—*Title:* NORMAL. For a Drugless, Intestinal Food Corrective for Constipation. ED. B. HIGBY, Mobile, Ala. Published November 1, 1936.

48,994.—*Title:* QUENCHOR. For a Thirst-Quenching Beverage. NORMAN E. HIRSCH, St. Louis, Mo. Published December 14, 1936.

48,995.—*Title:* ESQUIRE SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published May 18, 1936.

48,996.—*Title:* ESQUIRE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published May 18, 1936.

48,997.—*Title:* DE LUXE FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 10, 1936.

48,998.—*Title:* SOUTH SEA PERMA-MESH SPIRAL GEARS SALT WATER REEL. For Fishing Reels. HORROCKS-IBBOTSON COMPANY, Utica, N. Y. Published June 15, 1936.

48,999.—*Title:* JOHNSON'S GLO-COAT ENAMEL. For Enamel. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 7, 1936.

49,000.—*Title:* PILOT. For a Salve. JOHN L. F. LAHR, Harrisburg, Pa. Published November 1, 1936.

49,001.—*Title:* MAX'S CORN. For Corn Whiskey. MAX LEVENSON, doing business as Pennsylvania Liquor Imports Company, Pittsburgh, Pa. Published December 22, 1936.

49,002.—*Title:* WHITEETH. For Tooth Brushes. DR. N. LE VINE, Chicago, Ill. Published December 22, 1936.

49,003.—*Title:* MECHLING'S KLOR-KAL. For Calcium Chloride. MECHLING BROTHERS CHEMICAL COMPANY, Camden, N. J. Published December 15, 1936.

49,004.—*Title:* MIT. For Insect Spray and Sprayers. THE MITCHELLITE LABORATORIES, San Antonio, Tex. Published July 1, 1936.

49,005.—*Title:* NATIONAL PLASTIC ROOF COTE. For a Heavy, Elastic and Durable Material for Sealing Cracks and Holes in Roofs of All Types. THE NATIONAL REFINING COMPANY, Cleveland, Ohio. Published December 10, 1936.

49,006.—*Title:* NATIONAL PLASTIC ROOF COTE. For a Heavy, Elastic and Durable Material for Sealing Cracks and Holes in Roofs of All Types. THE NATIONAL REFINING COMPANY, Cleveland, Ohio. Published December 10, 1936.

49,007.—*Title:* NATIONAL OIL SOAP. For Oil Soap. THE NATIONAL REFINING COMPANY, Cleveland, Ohio. Published December 10, 1936.

49,008.—*Title:* AUNT SALLY'S LUCKY DREAM INCENSE. For Incense. MORTON G. NEUMANN, doing business as Famous Products Company, Chicago, Ill. Published October 30, 1936.

49,009.—*Title:* SWEET GEORGIA BROWN COCOANUT OIL SHAMPOO. For Emulsified Cocoanut Oil Shampoo. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published July 22, 1936.

49,010.—*Title:* VALMOR MENTHO VAPOR SALVE. For Vapor Salve. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published October 30, 1936.

49,011.—*Title:* VALMOR COUGH SYRUP. For Cough Syrup. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published July 1, 1936.

49,012.—*Title:* VALMOR BUCHU COMPOUND LITTLE BLUE PILLS. For Buchu Compound Diuretic Pills. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published December 22, 1936.

49,013.—*Title:* SEAL OF QUALITY. For Canned Salmon. NEW ENGLAND FISH COMPANY, Seattle, Wash. Published August 22, 1936.

49,014.—*Title:* SUPERB SALMON. For Canned Salmon. NEW ENGLAND FISH COMPANY, Seattle, Wash. Published August 25, 1936.

49,015.—*Title:* THIS IS A GENUINE VALCUNA GARMENT. For Garments. NEW YORK KNITTING MILLS, INC., New York, N. Y. Published November 30, 1936.

49,016.—*Title:* BERNIE BIERMAN'S CHAMPIONS. For a Game. SAMUEL J. READER, doing business as Indoor Games Co., Minneapolis, Minn. Published October 27, 1936.

49,017.—*Title:* TRU-CURVE. For Nail Polish and Applicators Thereof. SALLY PAYNE ROBERTS, doing business as Sally Roberts, New York, N. Y. Published November 23, 1936.

49,018.—*Title:* SCHOENLING BEER. For Beer. THE SCHOENLING BREWING & ICE CO., doing business as The Schoenling Brewing Co., Cincinnati, Ohio. Published June 11, 1936.

49,019.—*Title:* EATSWELL. For Citrus Fruit. F. L. SKINNER, Dunedin, Fla. Published November 5, 1936.

49,020.—*Title:* STANTON. For Lager Beer. THE STANTON BREWERY, INC., Troy, N. Y. Published December 18, 1936.

49,021.—*Title:* STANTON. For Amber Ale. THE STANTON BREWERY, INC., Troy, N. Y. Published December 18, 1936.

49,022.—*Title:* STANTON. For Pale Ale. THE STANTON BREWERY, INC., Troy, N. Y. Published December 18, 1936.

49,023.—*Title:* ANTONIO ARAGON. For Cigars. R. STEINECKE CO., Passaic, N. J. Published November 2, 1936.

49,024.—*Title:* BATTLE CREEK. For Whiskey. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published December 1, 1936.

49,025.—*Title:* REVELATION BURS. For Dental Burrs. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Published October 1, 1936.

PRINTS

REGISTERED FEBRUARY 23, 1937

16,080.—*Title:* GERMICIDAL DIP. For a Germicidal Dip. FRED. W. AMES, doing business as Ames Germicides, New Orleans, La. Published November 1, 1936.

16,081.—*Title:* HICKORY NUTS 18¢ LB. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published December 15, 1936.

16,082.—*Title:* SANTA CLAUS MADE OF PURE CHOCOLATE. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published December 18, 1936.

16,083.—*Title:* CANDY. For Hand-Dipped Assorted Chocolates. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published December 21, 1936.

16,084.—*Title:* WHAT IS IT? For Cashew-Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published December 22, 1936.

16,085.—*Title:* ONLY DWIN HAS IT. For a Household Insect Killer. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published November 23, 1936.

16,086.—*Title:* ACOUSTITE ROCK WOOL COMPOSITION. For a Plastic Building Material Developed for the Absorption of Sound. COAST INSULATING CORPORATION, Los Angeles, Calif. Published December 16, 1936.

16,087.—*Title:* ACOUSTITE ROCK WOOL COMPOSITION. For a Plastic Building Material Developed for the Absorption of Sound. COAST INSULATING CORPORATION, Los Angeles, Calif. Published December 16, 1936.

16,088.—*Title:* IT'S FUN TO BE YOUNG! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published January 10, 1937.

16,089.—*Title:* STOCK EXCHANGE. For a Game. CHARLES B. HEWISON, Rensselaer, N. Y. Published March 2, 1936.

16,090.—*Title:* FOR BROOD SOWS AND GROWING PIGS. For Pig and Hog Feed. THE LARROWE MILLING COMPANY, Detroit, Mich. Published December 14, 1936.

16,091.—*Title:* PRESENTING MARKWELL FASTENER. For Fasteners. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published December 16, 1936.

16,092.—*Title:* FYFFE'S GOORA ADMEES EMBROCATION. For a Liniment. ANDREW MCNALLY, Wilmar, Calif. Published October 10, 1936.

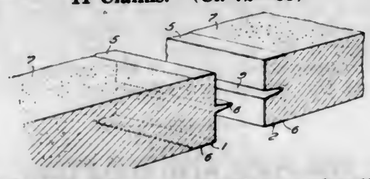
16,093.—*Title:* MUELLER SPECIAL LINE BATTERY AND TEST CLIPS. For Battery and Test Clips. MUELLER ELECTRIC COMPANY, Cleveland, Ohio. Published January 2, 1937.

16,094.—*Title:* UNIVERSAL BATTERY AND TEST CLIPS. For Battery and Test Clips. MUELLER ELECTRIC COMPANY, Cleveland, Ohio. Published January 2, 1937.

16,095.—*Title:* THE WLS DETECTOR. For Poultry and Cattle Markers. THE PRAIRIE FARMER, Chicago, Ill. Published June 1, 1936.

16,096.—*Title:* MY OVEN NEVER SEEMS TO WORK RIGHT. For Flour. ROYAL MILLING COMPANY, Minneapolis, Minn. Published January 16, 1937.

20,275
GYPSUM LUMBER
Clarke F. Davis, Short Hills, N. J., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
Original No. 1,854,396, dated April 19, 1932, Serial No. 523,523, March 18, 1931. Application for reissue April 14, 1934, Serial No. 720,653
11 Claims. (Cl. 72—68)



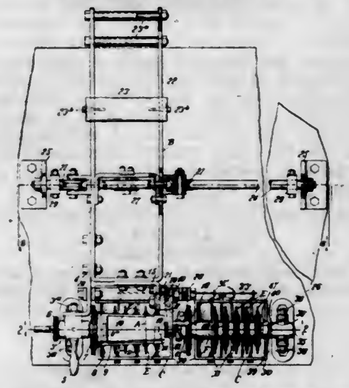
11. In a building construction, a plurality of preformed gypsum slabs arranged in a plane, each slab having on at least one pair of opposite edges metallic members, said members having inwardly turned flanges in the planes of the slab surfaces and forming edge reinforcements for opposite edges of each of said slabs, adjacent metallic members being tongued and grooved together in a tight frictional joint, and means for supporting said slabs.

20,276
BEAUTY APPLIANCE
Elsa Knauth, New York, N. Y.
Original No. 1,963,237, dated June 19, 1934, Serial No. 636,696, October 7, 1932. Application for reissue June 11, 1936, Serial No. 84,734
11 Claims. (Cl. 128—164)



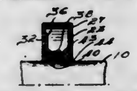
7. In a beauty appliance adapted to be associated with a head and parts of the face of the wearer, the combination of a hair cap of openwork fabric including a crown portion and side portions for disposition against the sides of the head, said hair cap and side portions being shaped to expose the head of the wearer at the back, a portion connecting the lower ends of the side portions and adapted to be disposed beneath the chin of the wearer and forming with said crown and side portions a delimited facial open to leave free the central portion of the face, and means for securing the hair cap on the head and simultaneously tensioning the portion adapted to be disposed beneath the chin, said means including fastening means connected to the lower rear parts of the side portions and fastening means connected to the rear of the crown portion and disposed at the top of the rear opening formed by said hair cap, said fastening means being adapted to be interengaged to cause a downward tension at the rear of said crown portion and a rearward tension on both sides of the portion adapted to be disposed beneath the chin.

20,277
BANDING MACHINE
Harold R. Schutz, Ottawa Hills, Ohio, assignor, by mesne assignments, to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Original No. 1,985,800, dated December 25, 1934, Serial No. 627,902, August 8, 1932. Application for reissue March 19, 1935, Serial No. 11,898
14 Claims. (Cl. 91—12)



1. A banding machine comprising a support adapted to rotatably support an article, a plurality of paint reservoirs, a plurality of series of paint applying discs adapted to rotate against said article and in said reservoirs, and a carriage vertically pivotal and horizontally movable on which said support is mounted whereby said chuck can be moved successively to points adjacent each series of discs and against the discs of such series.

20,278
GREASE SEAL
John R. Winter, Detroit, Mich.
Original No. 1,961,438, dated June 5, 1934, Serial No. 585,300, January 7, 1932. Application for reissue July 23, 1934, Serial No. 736,616
10 Claims. (Cl. 288—1)

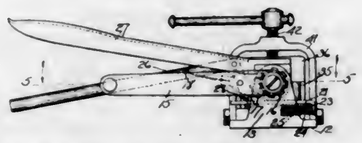


1. A grease seal comprising a shell having an apertured end wall, a shaft passing through said aperture, an annular radially floating plate member within the shell, sealing means between the plate member and end wall of the shell, said plate member having an axially inclined wall surface, a sealing ring engaging such wall surface, and resilient means for wedging the sealing ring between the inclined surface and shaft.

PATENTS

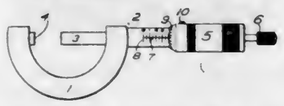
GRANTED FEBRUARY 23, 1937

2,071,314
PIPE FLANGING MACHINE
Foscoe H. Andrus, Windsor, Conn.
Application December 10, 1935, Serial No. 53,773
7 Claims. (Cl. 153—81)



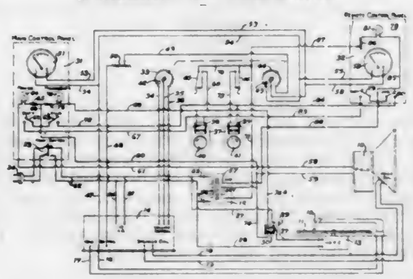
1. A flanging machine including a rotatably mounted flanging tool, means for supporting a pipe adjacent said tool, a shaft to support said tool, a bearing for said shaft, a cam projecting from the end of said bearing, a tool feeding disk loosely supported on said shaft, a cam lug projecting from the face of said disk to operatively engage said lug on the end of said bearing, and means for effecting relative movement between said cams to cause feeding movement of said member.

2,071,315
MICROMETER
Charles F. Axelson, Los Angeles, Calif.
Application May 2, 1934, Serial No. 723,537
6 Claims. (Cl. 33—164)



1. In a micrometer employing a thimble rotatable about a barrel, a projection near the calibrated end of said thimble for indicating tactually one circuit of said thimble, said projection adapted to pass freely beneath a finger of the operator when said finger lies in the path of said projection, the plane of said path passing through said barrel.

2,071,316
SOUND REPRODUCING SYSTEM AND APPARATUS
Richard D. Aurandt, San Francisco, Calif.
Application November 16, 1935, Serial No. 50,181
5 Claims. (Cl. 179—100.4)



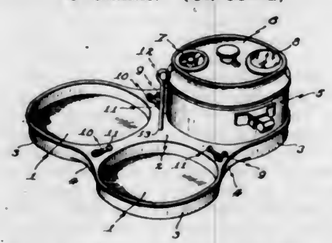
1. In a sound reproducing system, the combination of a source of modulated current to be reproduced as sound, an amplifier for increasing the volume of said modulated current, a sound reproducer connected to said amplifier, a volume control resistance associated with said amplifier to control the tonal output thereof, a motor unit for operating said volume control resistance, a plurality of push button stations for controlling the operation of said motor unit, a limit switch operated by said motor unit when said volume control resistance has moved to its lower limit of travel in either direction, and means associated with said limit switch adapted to render said source of modulated current inoperative, whereby upon a restarting of the system the tone value of the reproduced sound will be at a low level.

2,071,317
AEROPLANE WING STRUCTURE
Archibald S. Barkley, Detroit, Mich.
Application February 5, 1934, Serial No. 709,802
3 Claims. (Cl. 244—123)



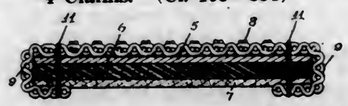
2. An aeroplane wing comprising an upper and a lower stressed skin and interconnected walls forming a plurality of polygonal cells, said skins being connected in the longitudinally extending region of greatest thickness entirely through the inter-connected walls of said plurality of polygonal cells, each cell having all of its walls diagonal with respect to both skins so that said diagonal walls transmit all of the interskin shear loads in said region.

2,071,318
COOKING UTENSIL
William S. Bremer, New Washington, Ohio
Application May 20, 1935, Serial No. 22,385
3 Claims. (Cl. 53—1)



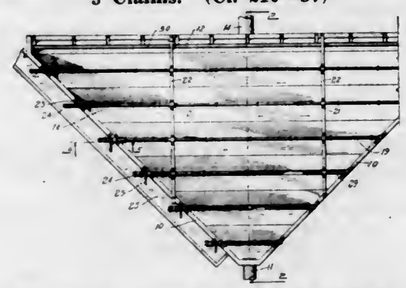
1. A cooking plate comprising a plurality of spaced pan-like portions arranged in a symmetrical group and having upstanding side walls, a web extending between the adjacent portions of the upper margins of said side walls and joining said pan-like portions in said group, and flanges depending from the outer margins of said web and extending therealong between the said side walls, said flanges having less vertical depth than said side walls and their bottom edges spaced above the bottoms of said pan-like portions.

2,071,319
TEXTILE STRAP CONSTRUCTION
James A. Buchanan, Rochester, N. Y., assignor to Vogt Manufacturing Corporation, Rochester, N. Y., a corporation of New York
Application April 13, 1935, Serial No. 17,011
4 Claims. (Cl. 105—354)



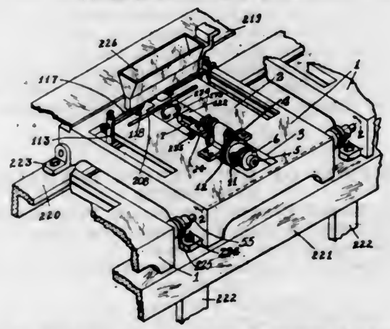
1. As an article of manufacture, a strap-like article consisting of a stiffening body, and a surfacing web of fabric spanning the front and outer side of the stiffening body, said web embodying integral selvage margins turned over the edges of the stiffening body for a short distance and secured thereto, respectively, on the reverse side by individual lines of stitching running through the strap.

2,071,320
CLARIFIER
Carroll H. Coberly, Denver, Colo.
Application October 22, 1935, Serial No. 46,110
5 Claims. (Cl. 210—57)



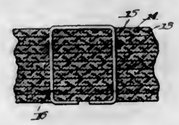
3. A clarifier comprising: a substantially triangular basin; means for admitting influent at the apex of said basin; means for discharging effluent along the side opposite said apex; and a series of parallel ridges extending upwardly from the bottom of said tank parallel with said latter side.

2,071,321
DEVICE FOR TWISTING AND SHAPING PRETZELS
Charles Adler, Cincinnati, Ohio
Application July 3, 1933, Serial No. 678,766
27 Claims. (Cl. 107—8)



1. In a device for making pretzels, a table, a rigid pretzel form mounted thereon, means for shaping a noodle around the form and bringing free end portions of said noodle into parallel relation, means for making a twist in the noodle, means for spreading end portions of said noodle, folding means adapted to bring the end portions of said noodle into contact with the central portion thereof and means for ejecting the pretzel from the form.

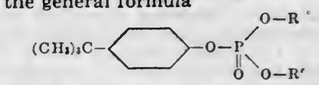
2,071,322
LAMINATED GASKET
George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich., a corporation of Michigan
Application April 18, 1935, Serial No. 17,123
2 Claims. (Cl. 288—1)



1. A laminated gasket comprising superposed preformed gaskets having a metal layer and coextensive cushion layers united thereto, said gaskets stitched together by metal stitching, at spaced points.

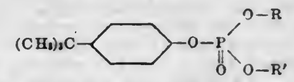
2,071,323
ORGANIC PHOSPHATES AND METHOD OF MAKING SAME
Shailer L. Bass, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 19, 1935, Serial No. 2,585
10 Claims. (Cl. 260—99.20)

1. In a method of making a triaryl phosphate having the general formula



wherein R and R′ represent aromatic radicals which may contain substituents that are substantially non-reactive toward a phosphorus oxyhalide, the step which consists in reacting an aryl phosphoric acid halide with para-tertiary-butylphenol at a temperature not exceeding 200° C.

7. A triaryl phosphate having the general formula

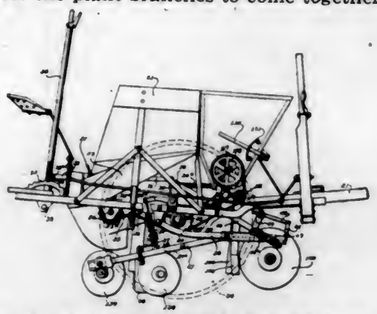


wherein R and R′ represent aromatic radicals which may contain substituents that are substantially non-reactive toward a phosphorus oxyhalide.

2,071,324
TWIN-ROW POTATO PLANTER
Frederic H. Bateman and Isaac Trolley, York, Pa., assignors to Fred H. Bateman Company, Camden, N. J., a corporation of New Jersey
Application April 7, 1934, Serial No. 719,574
36 Claims. (Cl. 111—52)

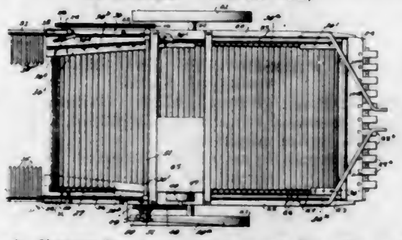
1. A potato planter for planting twin-rows simultaneously, comprising a frame, supporting wheels spaced to track in the spaces between the twin rows and potato planter devices for planting two rows of potatoes sufficiently close together to permit the roots of the adjacent rows

in a twin-row to intermingle with each other and for the plant branches to come together and



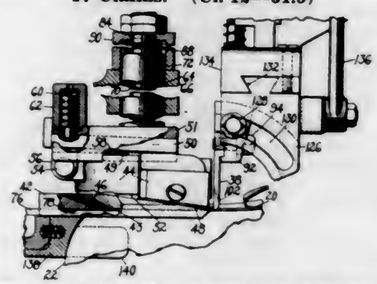
means for covering the seed potatoes after they have been deposited.

2,071,325
VEGETABLE DIGGER
Frederic H. Bateman and Isaac Trolley, York, Pa., assignors to Fred H. Bateman Company, Camden, N. J., a corporation of New Jersey
Application January 25, 1935, Serial No. 3,482
26 Claims. (Cl. 55—51)



1. A digger for removing vegetables from the ground comprising plow means for digging a plurality of rows simultaneously, and a separating means for supporting and separating the vegetables from the soil and of a width as great as the combined width of the rows and the space between the rows, said separating means having yielding non-metallic surfaces on all vegetable-contacting portions.

2,071,326
HEEL-SEAT FITTING MACHINE
Earl A. Bessom, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 4, 1934, Serial No. 728,905
17 Claims. (Cl. 12—31.5)



1. In a heel-seat fitting machine, a support for a sole, and a knife mounted for movement in a path extending transversely across the sole in the vicinity of its heel-breast line, said knife having a cutting edge which comprises a leading portion inclined at a slight angle to the path of movement of the knife and constructed and arranged to form a heel-breast receiving shoulder upon the sole, said cutting edge also comprising a trailing portion which is constructed and arranged to form a fillet between the heel-breast receiving shoulder and the heel seat of the sole and which extends rearwardly of the sole and toward the support from the leading portion of the cutting edge during the movement of the knife in said path.

2,071,327
PROCESS OF RACEMIZING AMINO ACIDS
Rudolph S. Bley, Elizabethton, Tenn.
No Drawing. Application August 15, 1935, Serial No. 36,439
15 Claims. (Cl. 260—108)

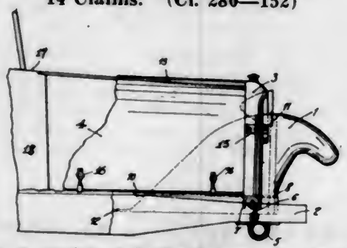
14. A new chemical compound acetyl-l-tyrosine chlorhydrate having the formula

$$C_{11}H_{13}NO_4.HCl$$

and a melting point of about 244° C., said compound being obtained by causing acetyl chloride and concentrated acetic acid to react upon l-tyrosine.

15. The process of racemizing an optically active amino acid comprising treating said amino acid with an acetyl halide in the presence of acetic acid.

2,071,328
FITTING OF FRONT FENDERS, LAMPS, AND RADIATOR UPON A CARRIAGE BODY
Georges Broulhiet, Paris, France
Application January 30, 1933, Serial No. 654,293
In Germany February 5, 1932
14 Claims. (Cl. 280—152)

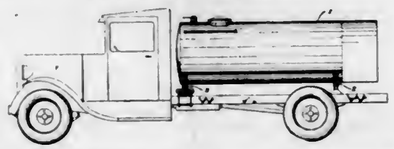


1. In a motor vehicle comprising a chassis frame, a body supported on said frame, a radiator and a pair of front fenders, a secondary frame rigidly supporting the radiator and the fenders, and means for supporting said secondary frame on the chassis including means for attaching said secondary frame to said chassis frame at points of the latter intermediate the body and the radiator where the oscillatory movements of the front part of said chassis frame are considerably reduced.

2,071,329
METHOD OF RECOVERING PHTHALIC ANHYDRIDE
Ralph Lyman Brown, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application August 22, 1935, Serial No. 37,373
14 Claims. (Cl. 260—123)

1. The method of removing the phthalic anhydride product from the hot gases resulting from the vapor phase partial oxidation of polynuclear aromatic compounds, which comprises bringing a stream of the hot reaction gases, while yet at a temperature above the condensation temperature of phthalic acid or anhydride in solid phase, into intimate contact with water to simultaneously cool the gases and remove phthalic anhydride therefrom.

2,071,330
THREE-POINT SUSPENSION FOR TANK TRUCKS
René F. Buchholz, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 12, 1933, Serial No. 684,865
10 Claims. (Cl. 280—5)



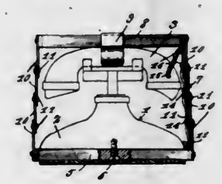
3. In tank wagon construction, a flexible chassis frame, an elongated tank adapted to be supported thereton, a rigid support between the frame and the tank at one section along the length of the tank, and means for supporting the tank on the frame at at least one point remote from the aforesaid support which permits pivotal and restricted lateral movement of the tank with respect to the frame, said latter supporting means comprising a roller resting upon a plate rigidly affixed to a cross-piece of the aforesaid flexible frame, said roller being adapted to roll laterally of said frame to permit lateral and pivotal motion of the tank with respect to the frame, a shaft journaled in said roller, a housing keyed to said shaft and supporting said tank, whereby the weight of said tank is transmitted through said shaft to said roller and said plate and thence to the cross-piece of said flexible frame, and means acting to urge the roller from a position of lateral displacement on either side of its predetermined normal position relative to the frame, back to said predetermined normal position.

2,071,331
LENS MOUNTING
Charles J. Callahan, Providence, R. I., assignor of one-half to Edward A. Johnson, Taunton, Mass.
Application January 11, 1935, Serial No. 1,305
5 Claims. (Cl. 88—41)



2. In a lens mounting, a pair of lens rim members, interconnected telescoping bridge members each having one end portion secured to one of said lens rim members and the opposite end slidably engaging a portion of the other bridge member to provide means for positioning said lens rim members in longitudinally spaced relation with each other or for locating them in a position of substantial lateral opposition with each other and extensible means carried by said bridge members and located adjacent to their points of connection with the lens rim members and each extensible in a plane coinciding substantially with the plane of the lens rim member for permitting movement of said lens rim members outwardly from each other beyond the limit of their telescoping movement.

2,071,332
TELEPHONE HOLDER
Walter B. Chapman, Boise City, Okla.
Application November 13, 1935, Serial No. 49,579
1 Claim. (Cl. 179—150)



A device for pivotally supporting a telephone of the French type, comprising a member to which the base of the telephone is centrally pivoted and which member has its ends extending beyond said base, arms having one of their ends pivoted to the ends of the member, each of said arms comprising a plurality of pivotally associated links provided at their said pivoted ends respectively with annularly arranged projections and sockets around the pivots and which are influenced into interengagement by the said pivots, a bar pivoted to the outer links, and a substantially C shaped clamp frictionally engaging the bar and for removably clamping the bar to the removable receiving element of the telephone.

2,071,333
MANUFACTURE OF ORGANIC ESTERS OF CELLULOSE
Camille Dreyfus, New York, N. Y., and Herbert E. Martin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 5, 1933, Serial No. 701,049
5 Claims. (Cl. 260—102)

1. The process of stabilizing organic acid esters of cellulose containing sulfur compounds that impart thereto a tendency to decompose and discolor, which comprises treating the same with an atmosphere of uncontaminated water vapor at temperatures and for periods of time sufficient to remove substantially such sulfur compounds but insufficient to cause substantial hydrolysis of the organic acid ester of cellulose.

2,071,334
FREIGHT CONTAINER
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application November 23, 1933, Serial No. 699,584
12 Claims. (Cl. 220—1.5)

1. A portable freight container comprising side walls and a fixed end wall secured together by corner angle bars, horizontally extending angle bars at the base of the sides having their vertical flanges secured to the sides and their horizontal flanges extending inwardly, the floor resting on the horizontal flanges, reinforces at the top of the sides, a top having a depending skirt reinforced at its lower edge, the reinforces of the body stand-

ing beneath the reinforces of the skirt and engaging them to support the top when it is in place,



means for locking the top to the body, and means for attaching a hoist to the top.

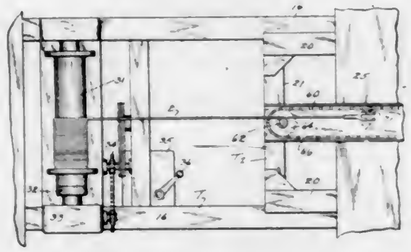
2,071,335

APPARATUS FOR TRANSFERRING MOVABLE CONTAINERS

Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware

Application December 17, 1934, Serial No. 757,833

13 Claims. (Cl. 214—38)



12. The combination of a vehicle, a demountable body on the vehicle, a cable winding mechanism on the vehicle, means independent of said mechanism and disposed between the body and the vehicle, said means being arranged to travel back and forth and to feed a cable from the winding mechanism to a position beyond the body in a direction away from said mechanism.

2,071,336

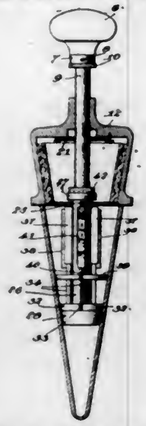
YARN CONE PRINTING DEVICE

George G. Glenn and John D. Glenn, Gastonia, N. C.

Application March 25, 1936, Serial No. 70,870

10 Claims. (Cl. 101—35)

1. In a printing device for yarn cones, a base portion for frictionally engaging the interior of the cone, a shaft movable toward said base portion, movable type, and means actuated by the movement of the shaft toward the base for forcing the type into printing engagement with the interior wall of the cone.



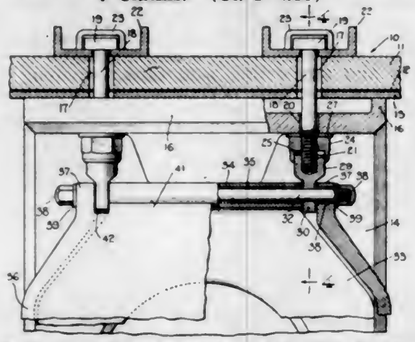
2,071,337

SEAT ATTACHMENT FOR WATER CLOSETS

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application June 7, 1935, Serial No. 25,474

7 Claims. (Cl. 4—236)



6. In combination with a defecator bowl and a seat and cover therefor, of means including a pair of threaded bolts and a pair of threaded members for securing the defecator bowl in position against a wall and with the threaded bolts extending horizontally outward from the wall above, and parallel to, the upper surface of the defecator bowl, and bearing means for the seat and cover movable longitudinally of the threaded bolts and independently of the threaded means.

2,071,338

ILLUSION PORTRAIT MOUNT AND COMPACT FOR FASHION ANTICIPATION

Otto C. W. Henze, Brooklyn, and Ruth V. Tremain, New York, N. Y.; said Tremain assignor to said Henze

Application November 2, 1932, Serial No. 640,751

4 Claims. (Cl. 35—59)

1. An illusion portrait mount or compact comprising a fixed portrait of a person, a mask element movable relative to said portrait, said mask element having marginate incurvate facial cut outs for selective superposition over the head portion of said portrait, and various fashion styles



of head dress provided on said mask element adjacent to said marginate cut outs.

2,071,339

PROCESS OF MAKING FERRO-ALLOYS AND OF MAKING ALLOY STEELS FROM SUCH ALLOYS

Ben F. Hardesty, Cleveland, Ohio, assignor to Perfection Steel Company, Pittsburgh, Pa.

No Drawing. Application January 14, 1932, Serial No. 586,699. Renewed January 13, 1936

8 Claims. (Cl. 75—54)

1. The process of making alloy steel which consists in adding to the steel in molten condition a mixture composed substantially of barium peroxide and barium carbonate, the amount of barium peroxide being substantially in excess of the amount of barium carbonate.

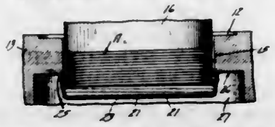
2,071,340

METHOD OF DRAWING FIBER CAPS

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application February 20, 1931, Serial No. 517,243

4 Claims. (Cl. 113—51)



1. The method of drawing fiber caps with internally grooved walls, which comprises forcing sheet stock along a smooth wall and through an external die member while supporting it on a corrugated wall of an internal die member, the said corrugated wall being spaced from the said smooth wall a distance less than the thickness of the stock whereby said corrugations are embedded in a wall of the cap and internal grooves formed therein, and then forcing the formed cap beyond the external die member, so that the cap is disengaged from the latter and its corrugated wall springs away from the internal die member.

2,071,341

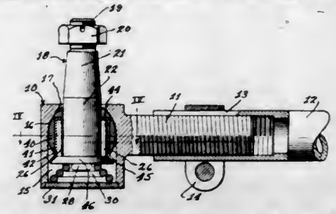
NEEDLE BEARING JOINT

George H. Hufferd and Matthew P. Graham, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application February 26, 1934, Serial No. 712,901

8 Claims. (Cl. 287—90)

8. In a joint, a housing, a stud extending therefrom having a cylindrical bearing portion therein, a plurality of needle bearings disposed circumferentially around said bearing portion in full bearing contact therewith and with each other, a cylindrical metallic sleeve around said bearing portion of the stud forming an outer raceway for the needle bearings, said sleeve having a diagonal slot cut thereacross and an inturned end flange terminating in close proximity to the stud bearing surface to form a retainer for the ends of the needle bearings, and resilient means in said housing for producing a radial compression of said sleeve to take up wear of the bearing surfaces.



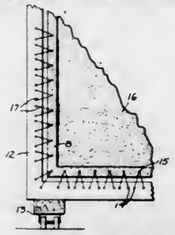
2,071,342

TRANSLUCENT PROJECTION SCREEN

Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application June 17, 1935, Serial No. 27,017

6 Claims. (Cl. 88—24)



1. A translucent projection screen comprising a plurality of layers integrally united to form a sheet of cellulose material, and a reinforcing border interposed between certain layers around the edge of said sheet and integrally united within said sheet.

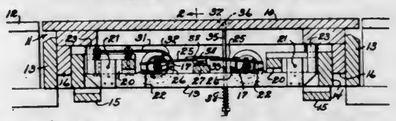
2,071,343

BURGLAR ALARM SWITCH

Harry Jackson and Mary E. Jackson, Harrisburg, Pa.

Original application July 2, 1934, Serial No. 733,492, now Patent 2,038,491. Divided and this application May 7, 1935, Serial No. 20,293

1 Claim. (Cl. 200—85)



A protective appliance for use in banks or the like and in which the floor of the bank is provided with a cut-away portion or clearance, comprising a platform fitted for movement in said clearance and spring influenced to normally arrange the outer face of the same flush with the floor, guide means for directing the movement of the platform in the clearance, means limiting the downward movement of the platform through said clearance, rocker arms below the platform, means depending from the platform contacting

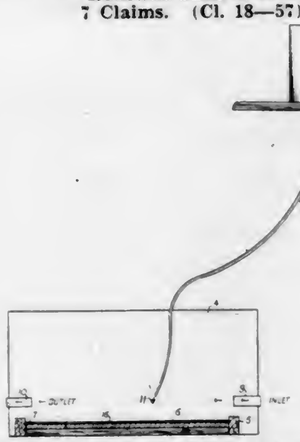
with the rocker arms for normally holding the same in one position, rocker shafts journaled below the platform, elements fixed thereto and engaged by the rocker arms for turning the shafts when the platform is lowered, an adjustable sweeper element on each of the shafts, a spring influenced wiper arm, the rocker arms being moved by the wiper arm into contact with the sweeper element when the platform is lowered and the rocker shafts turned, in combination with means operative from the outer face of the platform for holding such switches in open position.

2,071,344

METHOD OF MAKING A TRANSLUCENT PICTURE PROJECTION SCREEN

Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application September 7, 1932, Serial No. 631,964
Renewed June 5, 1936
7 Claims. (Cl. 18—57)



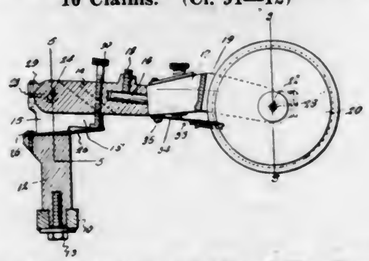
5. The method of making a translucent screen with a reinforced edge, which comprises placing a reinforcing edge adjacent a roughened surface, spraying a plurality of coats of a solution of cellulose material on said surface and on said edge to integrally unite said edge with the sprayed material on said surface, allowing each coat to dry, and stripping the sheet with its reinforcing edge thus produced from said surface.

2,071,345

STRIPING OR BANDING MACHINE

Alfred Johnson, Uniontown, Pa., and Robert H. Johnson, Morgantown, W. Va.

Application August 16, 1934, Serial No. 740,201
10 Claims. (Cl. 91—12)



1. In an ornamenting device of the class described a wheel for applying coating material to an article, an arm carrying the wheel, a post to which the arm is pivoted, said arm being formed of two longitudinally extending sections with the wheel carrying section rotatably supported by the other section for movement about its longitudinal axis and means for holding said wheel carrying section in adjusted position.

9. In an ornamenting machine, a scraper, magnetic means upon energization thereof for periodically urging said scraper in one direction, a spring actuated plunger for urging said scraper in a direction opposite thereto upon de-energization of said magnetic means, and means for adjusting the tension of said spring.

2,071,346

PROCESS OF MAKING LACTIC COMPOUNDS

Arnold H. Johnson, Samuel M. Weisberg, and James J. Johnson, Baltimore, Md., and Milton E. Parker, Danville, Ill., assignors to Research Laboratories of National Dairy Products Corporation, Inc., Baltimore, Md., a corporation of Maryland

No Drawing. Application April 17, 1933, Serial No. 666,624
35 Claims. (Cl. 260—122)

1. The process of making lactic compounds from whey, comprising forming the lactic compound in solution in the whey, removing undesired nitrogenous substances from the solution, alkalinating the solution and rendering remaining undesired substances removable, removing such substances, and neutralizing the solution.

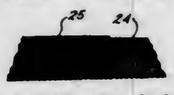
30. The process of making lactic compounds from whey comprising adding to the whey and reacting with the lactic acid therein an acid-binding compound containing the cation of the lactic compound to be formed, heating the solution to render undesired substances separable therefrom, separating undesired substances from the solution, alkalinating the solution to render remaining undesired substances removable, removing such substances, and neutralizing the solution with lactic acid.

2,071,347

MULTILATERALLY STRETCHABLE CREPED PAPER PRODUCT

William C. Kemp, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio

Application August 24, 1931, Serial No. 558,884
21 Claims. (Cl. 154—55)



1. A multi-laterally stretchable web characterized by a plurality of sets of superposed substantially oppositely and diagonally arranged creping crinkles.

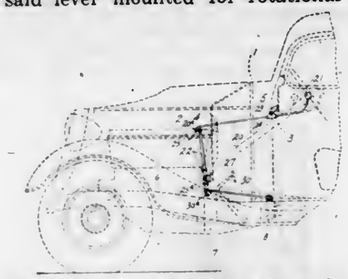
2,071,348

CONTROL MECHANISM

Cyrus B. Kurtz, Cleveland, Ohio, assignor to Chas. Carter as trustee for himself, Cyrus B. Kurtz, and Cyrus B. Kurtz, Jr.

Application April 13, 1935, Serial No. 16,228
23 Claims. (Cl. 180—64)

1. In a motor vehicle having a change speed transmission, a transmission gear shifting mechanism comprising a pair of rods extending generally longitudinally of the vehicle, one of said rods being longitudinally and rotatably movable and having an operative and gear selective connection with said transmission at one end, the other rod being spaced from said first named rod and manually movable both longitudinally and rotationally, a lever arranged between said rods, said lever mounted for rotational move-



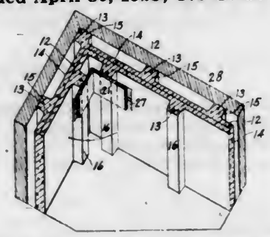
ment about its longitudinal axis and pivoted about an axis transverse to said longitudinal axis, and means operatively connecting said rods to said lever for transmitting rotational movement from one rod to the other through said lever and for transmitting longitudinal movement of said rods through said lever.

2,071,349

BUILDING CONSTRUCTION

Orley B. Lane, Washington, D. C.

Application June 5, 1936, Serial No. 83,686
10 Claims. (Cl. 72—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. For use in a building construction as a spacing and supporting means for two wall structures, an elongated inner wall comprising a body portion with relatively narrow ribs extending in staggered relationship from opposite sides thereof and appreciably longitudinally spaced from each other so that when said inner wall is placed between said wall structures said ribs are substantially in abutment with the adjacent of said wall structures, leaving an appreciable space between the greater majority of the length of the inner wall and both of said wall structures and rendering the solid path of conduction between said wall structures appreciably greater than the actual distance therebetween.

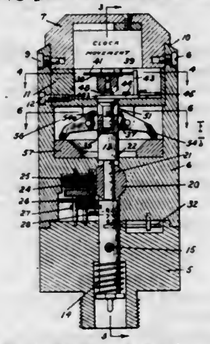
2,071,350

FUSE

Marvin L. Mathsen, Wharton, N. J.

Application July 18, 1935, Serial No. 32,050
5 Claims. (Cl. 102—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fuse, a casing including a rotatable nose, a clockwork carried by the nose and including a timing lever, a firing pin in the casing, a firing pin spring, a stem on the firing pin and having a groove for receiving an arm of the timing lever, a shear pin connecting the stem and firing pin, a removable arming pin normally holding the firing pin against the action of its spring and in position to hold the clockwork against starting, a removable arming bolt arresting the firing pin after the firing pin has moved a limited distance



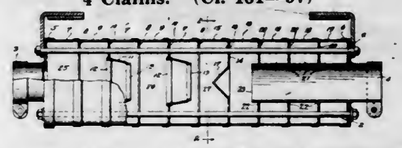
upon removal of the arming pin, means for controlling the speed of movement of the arming bolt, levers adapted to engage the end of the firing pin, and an inertia plunger operable on impact to move the levers and cause them to move the firing pin and break the shear pin.

2,071,351

MUFFLER FOR INTERNAL COMBUSTION ENGINES

Ambrose J. McNamara, Utica, N. Y.

Application January 18, 1928, Serial No. 247,550
4 Claims. (Cl. 181—57)



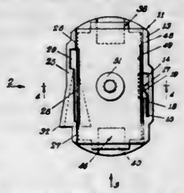
1. In an exhaust gas muffler the combination of a shell, heads at the opposite ends having respectively an inlet and an outlet, transversely extending flat partition plates in said shell spaced from the heads and from each other and forming a plurality of chambers, each of the said plates having an aperture approximately half the diameter of the shell, a longitudinally extending tubular member secured to each aforesaid plate within said aperture and tapering to be smaller at its end towards the outlet and a further baffle plate numerously perforated over its area and placed across the shell, and spaced from the nearest tubular member and from either head.

2,071,352

PENCIL SHARPENER

Edwin C. Meyer, Los Angeles, Calif.

Application February 25, 1935, Serial No. 7,999
14 Claims. (Cl. 120—93)



1. A pencil sharpener having a supporting base with two abutment shoulders on one side, a socket

for a pencil and a slot communicating with the socket between said shoulders, a blade having a cutting edge, means to press the blade to contact a portion of the cutting edge with the abutment shoulders, and means to clamp the blade to the base.

2,071,353

COMPOSITIONS FOR FIREPROOFING

Willard L. Morgan, Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Application July 13, 1935, Serial No. 31,229

9 Claims. (Cl. 134—78.6)

1. A fireproofing composition comprising a water soluble salt of an aliphatic organic nitrogen base with an acid of phosphorus.

2,071,354

FIREPROOFING COMPOSITIONS

Willard L. Morgan, Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Application July 13, 1935, Serial No. 31,230

6 Claims. (Cl. 134—78.6)

1. A fireproofing composition comprising a water soluble salt of a sulphonated aryl derivative of an acid of phosphorus.

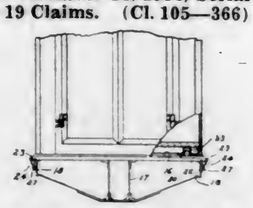
2,071,355

VEHICLE FOR CARRYING DEMOUNTABLE BODIES

Ragnar A. Norbom, Clifton, N. J., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware

Application December 14, 1934, Serial No. 757,529

19 Claims. (Cl. 105—366)



1. The combination of a vehicle having a load carrying surface and a set of projections attached to the vehicle in such manner that each projection may be moved independently of the others and is adapted to be positioned with respect to said surface to extend upwardly therefrom so as to occupy a socket in a demountable body, and, selectively, to be removed laterally from said position so as to occupy an idle position beyond the edge of said surface.

2,071,356

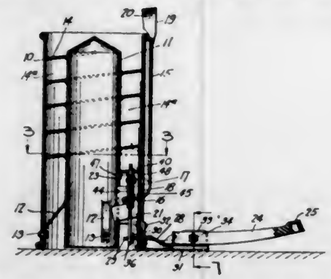
METHOD FOR TEEING GOLF BALLS AND DEVICE THEREFOR

William Paul Pagett, Denver, Colo.

Application October 3, 1932, Serial No. 635,983

16 Claims. (Cl. 273—33)

1. In an automatic golf ball feeding and teeing device, a spirally descending magazine having an outer and an inner vertical cylinder, a tee pivotally mounted on the magazine, delivery means mounted on the magazine for successively delivering said golf balls to the tee, comprising a weighted delivery trough suspended at one end by a hinge bearing subjacently at right angles to the discharge end of said magazine, and curving abruptly upward through a slotted opening in said outer vertical cylinder, and merging into a straight upwardly extending portion, and having at its outer end an integral annular delivery guide with an opening therethrough to permit the downward passage of a golf ball, said delivery trough being counter-weighted at its bearing end to hold it normally in said upwardly extending position, whereby the trough will be caused to



swing downward and register the delivery guide with the tee when overbalanced by the weight of a golf ball delivered from said magazine to the bearing end of said delivery trough, and means operably connected to the inner end of said tee, and operated by each vertical reciprocation thereof, whereby one ball at a time is fed from the magazine to the tee, upon each vertical reciprocation of the tee, said reciprocation being caused by golf ball weight successively applied to and removed from the tee.

2,071,357

RECOVERY OF PHTHALIC ANHYDRIDE OR ACID

Frank Porter, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application August 22, 1935, Serial No. 37,361

12 Claims. (Cl. 260—123)

1. The method of removing phthalic anhydride or acid from hot gases containing vapors thereof, which comprises passing the hot gases into direct contact with an aqueous slurry containing more than 5% solid phthalic acid.

2,071,358

GAUGE AND LOCATING DEVICE FOR TORPEDO TUBES

Howard E. Procter, Portsmouth, N. H.

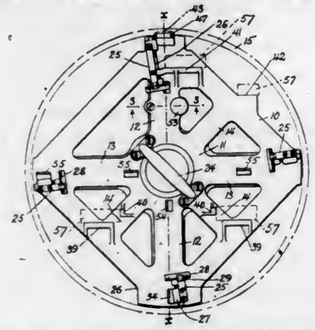
Application January 8, 1936, Serial No. 58,051

8 Claims. (Cl. 33—174)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A gauge for locating the operating instrumentalities of a torpedo tube and for measuring the range of movement thereof with respect to the cooperating control devices of a torpedo to be discharged from said tube, comprising a frame adapted to be inserted in said torpedo tube; means carried by said frame for adjusting said frame bodily in a direction transverse to the longitudinal axis of said tube to a position in which the center of said frame coincides with said axis; means carried by said frame at positions corresponding to those of the control devices of a torpedo for determining the location and range of movement of the operating instrumentalities of said tube; and means carried by said frame for adjusting said frame about the longitudinal

axis of said tube to a position in which a predetermined transverse reference axis thereof



coincides with a corresponding reference axis of said tube.

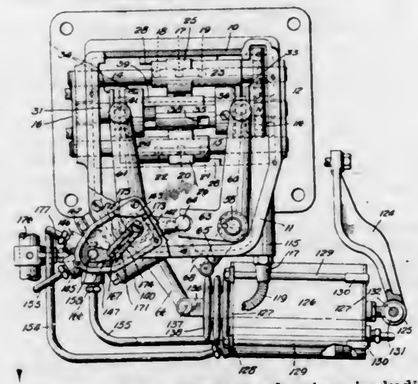
2,071,359

TRANSMISSION CONTROL MECHANISM FOR MOTOR VEHICLES

Glenn T. Randol, Marmaduke, Ark.

Application August 12, 1935, Serial No. 35,891

21 Claims. (Cl. 74—334)



1. Transmission control mechanism including shifting means for rendering a selected speed active, means including an oscillating element operable upon either throw thereof for actuating said shifting means, reciprocable power operated means for actuating said element, and means including means controlled by the movement of said power-operated means for reversing the travel of said power operated means automatically.

2,071,360

WATERPROOFED PAPER

James Reid, Darien, Conn.

No Drawing. Application August 7, 1934, Serial No. 738,829

9 Claims. (Cl. 154—33)

1. In the art of waterproofing paper, the steps of coating a surface of a sheet of paper with a melted compound pitch having a melting point above normal temperatures and comprising at least 20% of blown stearine pitch, and permitting such stearine pitch to cool and oxidize on the fibers of the paper.

5. In the art of waterproofing paper, the steps of coating one face of each of two sheets of paper with a compound pitch comprising at least 35% of stearine pitch, scraping off excess pitch, squeezing together such sheets while hot and permitting the pitch to cool and oxidize on the fibers of the paper.

2,071,361

CATALYTIC OXIDATION OF NAPHTHALENE

Donald A. Rogers, Petersburg Va., and Frank Porter, Syracuse, N. Y., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application August 22, 1935, Serial No. 37,360

12 Claims. (Cl. 260—123)

1. In the preparation of phthalic anhydride by the catalytic oxidation of naphthalene in vapor phase, the improvement which comprises passing a mixture of naphthalene vapor and oxidizing gas in a molar ratio between 1:200 and 1:500 through a catalytic converter containing an oxidation catalyst, and regulating the ratio of naphthalene to oxidizing gas so as to maintain a temperature between 450° and 600° C. in the catalytic converter.

2,071,362

BAG AND CONTAINER FOR HEAVY DUTY

William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio

Application April 4, 1933, Serial No. 664,377

16 Claims. (Cl. 229—55)



1. A plural ply, flexible bag or like container, all elements of which are capable of giving or stretching bodily in opposite directions along the axes of said container, said container comprising a plurality of layers of universally stretchable substance, at least one layer of which is a layer characterized by universal stretchability derived from gatherings therein, and at least one layer of which operates to retard the distention of said gatherings in said first mentioned layer, all of said layers being in intimate contact with each other.

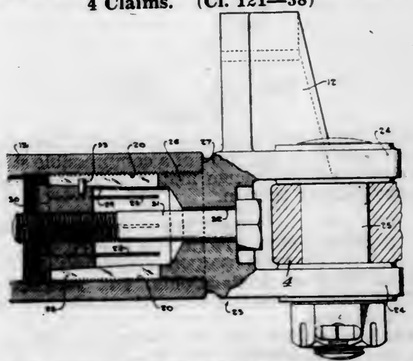
2,071,363

POWER REVERSE GEAR

Ellwood M. Shannon, Bala, Pa.

Application April 20, 1933, Serial No. 667,033

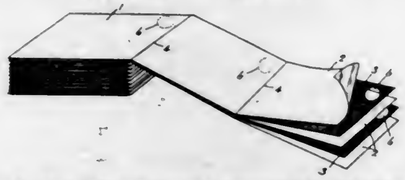
4 Claims. (Cl. 121—38)



1. A power reverse gear comprising, in combination, a cylinder having cylinder heads at

each end, packing glands carried by each of said heads, a piston and a double end piston rod extending entirely through said heads and surrounded by the packings thereof, one end of said rod having a threaded hollow portion and a smooth periphery, a head having a radially expansible internally tapered hollow shank in threaded engagement with the interior of said hollow threaded end of the rod, a complementary tapered plug disposed within said tapered shank, a bolt having threaded engagement with said plug and extending through said head to be axially accessible from the outside whereby rotation of said bolt will cause said plug to be moved axially of said shank and expand the same to tighten said threaded engagement, a jaw extending axially of said head, a pivot pin extending transversely of said jaw and substantially in the path of said bolt whereby the bolt is removable only upon removal of said pivot pin, and an arm projecting downwardly and laterally from one side of said head for operative connection to a follow-up link, whereby said bolt is accessible from opposite sides of said jaw.

2,071,364
MANIFOLD MATERIAL
John Q. Sherman, Dayton, Ohio
Application April 16, 1930, Serial No. 444,724
8 Claims. (Cl. 282—12)



1. A pair of continuous unmutilated strips of record material and an interposed strip of transfer material, said strips being divisible into sections upon substantially coincident transverse weakened division lines, said strip of transfer material having therein a series of cutouts in spaced relation with the terminal margins of succeeding sections.

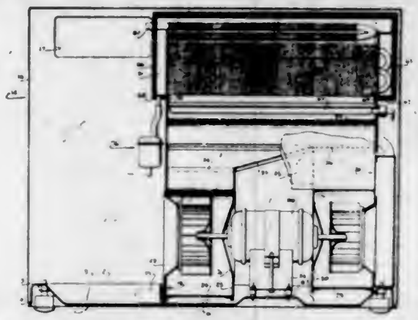
2,071,365
WAX APPLICATOR AND METHOD OF MAKING THE SAME
John Stroop, New York, N. Y., assignor to Pad-Y-Wax Company, Inc., a corporation of New York
Application November 27, 1934, Serial No. 754,951
13 Claims. (Cl. 91—62.5)



1. A container type wax applicator having a wax reservoir in the form of a compressible structure of cellulose sponge material, and a charge of wax carried therein.

2,071,366
FABRICATED STRUCTURE FOR AIR CONDITIONING UNITS
Alfred Weiland, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application June 29, 1933, Serial No. 678,242
23 Claims. (Cl. 62—129)

3. An air conditioning apparatus comprising, in combination, a base, a sheet metal end standard supported thereon, an air duct secured to the



side of said standard, and a fan casing secured to the side of said standard and also to said duct.

2,071,367
METHOD OF TREATING LACTIC FLUIDS
Samuel M. Weisberg and Arnold H. Johnson, Baltimore, Md., and Milton E. Parker, Danville, Ill., assignors to Research Laboratories of National Dairy Products Corporation, Inc., Baltimore, Md., a corporation of Maryland
No Drawing. Application January 5, 1933, Serial No. 650,364
9 Claims. (Cl. 99—55)

1. The process of preparing a condensed buttermilk product which comprises heating and cooling the buttermilk and forming a stratified mass having a clear relatively thin upper stratum or whey containing a low solids content and substantially all of the truly soluble constituents and a lower stratum or sludge comprising the colloidal constituents, separating one from the other, treating the sludge with a suitable enzyme to partially digest the hydrated colloidal constituents and concentrating the partially digested sludge to the required consistency.

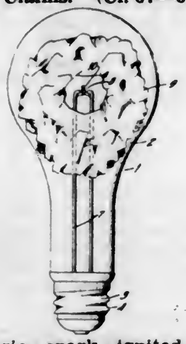
2,071,368
PROCESS OF MAKING LACTATE SALTS AND LACTIC ACID
Samuel M. Weisberg, Baltimore, Md., and Frank L. Chappell, William E. Stringer, and Stoddard Stevens, Hobart, N. Y., and Henning A. Trebler, Baltimore, Md., assignors to Sealtest System Laboratories, Inc., Baltimore, Md., a corporation of Maryland
No Drawing. Application December 28, 1935, Serial No. 56,584
20 Claims. (Cl. 260—112)

1. The process of making lactic compounds from whey comprising adding to the whey and reacting with lactic acid therein, an acid binding compound containing the cation of the lactic compound desired, adding to the whey solution of the lactic compound an adsorbing agent capable of adsorbing albuminous and other undesired substances in the presence of an alkali, alkalinizing the whey solution for coagulating albuminous and other undesired substances to produce a separable mass, removing the albuminous and other undesired substances from the whey solution, and neutralizing the purified whey solution.

19. The process of making lactic acid comprising repeatedly dissolving an alkali earth metal lactate in lactic acid and reacting the lactate with another acid capable of forming an insoluble salt and lactic acid and removing the insoluble salt reaction product, the lactate and

acid being in proportions and the steps being repeated a sufficient number of times to progressively, for each such repetition of steps, increase the concentration of the lactic acid and build up a desirable concentration thereof.

2,071,369
FLASH LAMP
Harry A. Williams and Enrique G. Touceda, Albany, N. Y.
Application January 24, 1934, Serial No. 708,081
6 Claims. (Cl. 67—31)



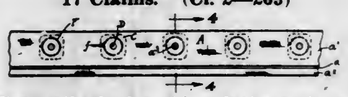
1. An electric-spark-ignited photographic flash lamp having a type of construction characterized by the lapse of a substantially constant interval of time between the instant of electric current application thereto and the instant of full illumination, whereby it is adapted for positive synchronization with camera shutter openings, of the order of 1/100 of a second and shorter, said lamp comprising a gas-tight translucent envelope containing a rapidly oxidizable substance adapted to emit light upon combustion thereof, electrical ignition means comprising terminals disposed in fixed, spaced relation within said envelope to form a spark gap within effective ignition range of said substance, spaced terminals on the exterior of said envelope, and electrical conductors extending between said spark-gap-forming terminals and said exterior terminals.

2,071,370
FLASH LIGHTING DEVICE
Harry A. Williams and Enrique G. Touceda, Albany, N. Y.
Application January 24, 1934, Serial No. 708,082
14 Claims. (Cl. 67—29)



1. In a camera, the combination with a shutter of the high-speed type and operating mechanism for driving said shutter at a speed to provide an exposure of the order of 1/50 of a second or shorter, of operator controlled means for releasing said driving means, an electric switch adapted to be connected in a flash light igniting or activating circuit, and means independent of said operator controlled means and correlated with said shutter operating mechanism for automatically effecting an opening of said switch.

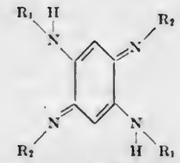
2,071,371
METHOD OF MAKING FASTENER TAPE
Frank E. Wilson, East Cleveland, Ohio, assignor to The Wilson Fastener Company, Cleveland, Ohio, a corporation of Ohio
Application August 28, 1931, Serial No. 559,919
Renewed March 4, 1936
17 Claims. (Cl. 2—265)



1. The method of making fastener tape, comprising taking a strip of fabric, cementing to it patches arranged equi-distantly on the strip, punching through the patches and strip holes which are much smaller than the external contour of the fastener, placing fastener members in central registration with the holes, folding a ply of the fabric over onto the fastener members so that they lie between two plies of fabric, and then passing an annular row of stitches about each fastener member, the stitches passing through two plies of fabric and the corresponding patch.

2,071,372
DYESTUFFS OF THE FLUORINDINE SERIES AND A PROCESS OF PREPARING THEM
Arthur Wolfram and Kurt Bonstedt, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., of New York, N. Y., a corporation of Delaware
No Drawing. Application August 10, 1934, Serial No. 739,326. In Germany August 11, 1933
12 Claims. (Cl. 260—29)

9. The compounds substantially identical with those obtainable by the process which comprises oxidizing to the fluorindine compound according to known methods an azophenin compound of the general formula:

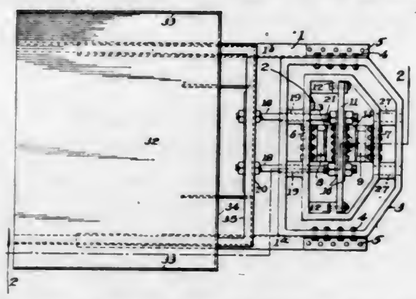


wherein R_1 represents a member selected from the group consisting of an aromatic radicle of the benzene series containing a negative substituent of the group consisting of nitro, co-alkyl, co-aryl and carboxyl, a carbocyclic aromatic radical containing more than one aromatic nucleus, and a carbocyclic aromatic radical containing a quinone nucleus and wherein R_2 represents an aromatic hydrocarbon radical of the benzene and naphthalene series and sulfonating the product thus obtained.

2,071,373
VIBRATORY APPARATUS
Hugh E. Wurzbach and Clyde H. Konold, Magna, Utah
Application January 12, 1935, Serial No. 1,550
6 Claims. (Cl. 259—72)

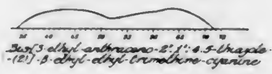
1. In a vibratory apparatus, a vibratory motor means comprising an elongated resilient vibratory member having a relatively fixed portion and a vibratory portion supported for vibration in a direction transverse to the length thereof, a vibrating element secured to said vibratory member adjacent the vibratory portion thereof and provided with rigid driving plate means; a vibrated

member; means separately supporting said vibrated member for vibration in a path having a substantial component parallel to the direction



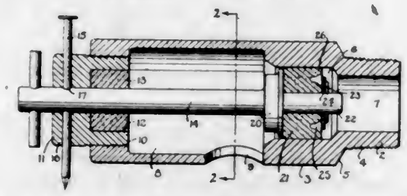
of vibration of said vibratory member; and driving rod means connected to said driving plate means and to said vibrated member.

2,071,374
SENSITIZING OF PHOTOGRAPHIC EMULSIONS
Walter Zeh, Dessau in Anhalt, Willi Gaedke, Hofheim in Taunus, Martin Dabelow, Frankfort-Hochst, and Werner Zerweck, Frankfort-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application July 8, 1932, Serial No. 621,474
In Germany July 11, 1931
5 Claims. (Cl. 95—7)



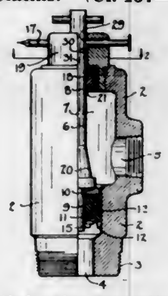
1. A photographic material comprising a silver halide emulsion containing a dye selected from the group consisting of bis-[3-alkyl-anthraceno, phenanthreno, fluoreno, chryseno and acenaphtheno-thiazole-(2)]-trimethine-cyanine salts.

2,071,375
RELIEF VALVE
Herbert Allen, Houston, Tex., assignor, by mesne assignments, to Abercrombie Pump Company, Houston, Tex., a corporation of Texas
Application January 23, 1932, Serial No. 588,280
7 Claims. (Cl. 137—53)



5. A relief valve including a housing having a cylindrical passage therethrough, a shear pin carried by said housing, a stem held immovable in said passage by said pin, a flexible packing mounted on said stem and disposed in said passage, the periphery of said packing seating in said passage, said stem being movable in response to pressure in said passage to shear said pin, said packing being of a length so that the pin is sheared before the seal with the housing is broken.

2,071,376
RELIEF VALVE
Herbert Allen, Houston, Tex., assignor to Abercrombie Pump Co., Houston, Tex., a corporation of Texas
Application July 8, 1933, Serial No. 679,467
9 Claims. (Cl. 137—53)

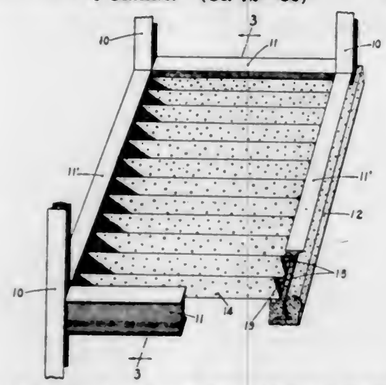


4. A shear relief valve including a lip packing valve member, a seat therefor, shear means to release said valve member from said seat, and coengaging means on said valve member and said valve to cushion the opening of said member, said means providing varying contact areas.

2,071,377
LAMINATED SAFETY GLASS
William J. Arner and Roy W. Wampler, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application June 28, 1934, Serial No. 732,835
2 Claims. (Cl. 49—81)

1. The process of producing an adhesive for the manufacture of transparent laminated safety glass comprising two sheets of glass and an interposed adherent layer of cellulose acetate plastic, including the steps of forming a reaction product by treating cellulose acetate with a mixture of hydrochloric acid and ortho-phosphoric acid, and then dissolving the same in a plasticizer therefor.

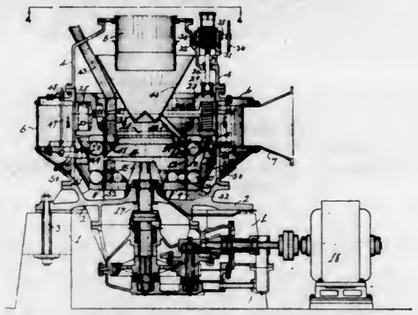
2,071,378
CONCRETE BUILDING CONSTRUCTION
Albert Arnn, Norwood, N. J.
Application November 1, 1934, Serial No. 750,969
6 Claims. (Cl. 72—66)



1. A building unit for concrete arch construction comprising a solid pre-cast concrete beam of substantially isosceles triangular lateral cross-section, having metal reinforcements embedded

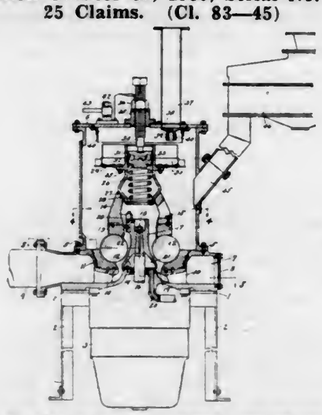
therein, said metal reinforcements comprising a metal T-beam extended longitudinally throughout the concrete beam, the flanges and the web of the T-beam being disposed substantially parallel to the base and in the plane of the altitude, respectively, of the concrete beam.

2,071,379
PULVERIZER
Ervin G. Bailey, Easton, Pa., Perry R. Cassidy, Short Hills, N. J., and Ralph M. Hardgrove, Westfield, N. J., assignors, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application September 6, 1929, Serial No. 390,698
Renewed July 26, 1934
15 Claims. (Cl. 83—45)



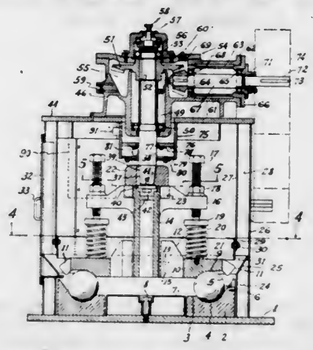
1. In a grinding mill, a plurality of rows of rotating grinding elements, means for feeding material to one row of said elements in one direction and to another row in the opposite direction, and means to limit the size of particles that pass from one row to the other.

2,071,380
PULVERIZER
Ervin G. Bailey, Easton, and Perry R. Cassidy and Ralph M. Hardgrove, Bethlehem, Pa., assignors, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application October 31, 1930, Serial No. 492,494
25 Claims. (Cl. 83—45)



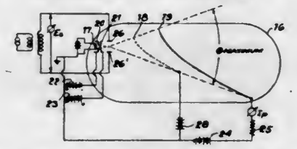
8. A single stage air-swept pulverizing mill having a mill casing with a material outlet opening formed in the upper part thereof, a lower grinding ring mounted within said casing, a circular row of grinding balls contacting with said lower ring, an upper grinding ring contacting with said balls, a drive shaft arranged axially of said ball row and having a drive connection with one of said rings, resilient means arranged above said ball row and engaging the upper side of said upper ring for applying a grinding pressure between said balls and rings, means for feeding material to be ground to the outer side of said ball row, and means for directing an air blast below said lower grinding ring and thence upwardly in contact with and past the lower inner sectors of said balls to sweep up pulverized material.

2,071,381
PULVERIZING UNIT
Ralph M. Hardgrove, Westfield, N. J., assignor, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application November 16, 1931, Serial No. 575,317
12 Claims. (Cl. 83—45)



1. A pulverizer including a stationary and a movable grinding ring in opposing relation, rolling grinding elements therebetween, driving mechanism for said movable grinding ring, a casing for the pulverizer and a concentric shell within said casing forming an annular peripheral entrance between said rings for introducing air and material to be pulverized, means for feeding air and material thereto, and means annularly dividing the entrance between said rings and adjustable to regulate the air velocity in the zone adjacent the grinding elements.

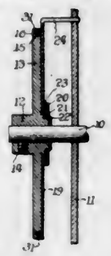
2,071,382
ELECTRON DISCHARGE DEVICE
James R. Balsley, La Canada, Calif., assignor of one-half to Frank L. A. Graham, San Marino, Calif.
Application July 11, 1934, Serial No. 734,607
4 Claims. (Cl. 250—27)



2. In an electron discharge device: a cathode; a plate; a grid between said cathode and said plate; means for confining the electron stream emitted from said cathode to form a beam projected on said plate; a pair of deflecting plates positioned on opposite sides of the path of said beam between said cathode and said plate; and

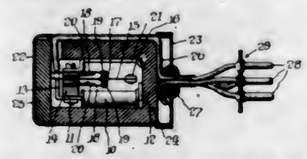
means for applying an oscillating potential across the gap between said deflecting plates whereby said beam is swung with the oscillations, said plate being shaped and positioned to conform with a curve the axis of ordinates of which is perpendicular to the neutral position of said beam, the abscissa of said plate curve being a function of a plate current-electrode distance curve obtainable with constant input voltage and the ordinate of said plate curve being the function of a preselected plate current-input voltage curve which is based on a swinging electron beam and constant electrode distance.

2,071,383
MECHANICAL POWER TRANSMITTING OR RECEIVING DEVICE
Edward L. Barrett, La Grange, and Folke Brandstrom, Chicago, Ill., assignors to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application November 9, 1933, Serial No. 697,274
10 Claims. (Cl. 74—501)



1. In a device of the character described the combination of a rotatable shaft, a disk having a hub fixed on said shaft, a plate disposed on said hub in abutment with a side face of said disk, a washer fixed to said hub to hold said plate in place and having clearance with said plate to allow limited relative axial movement therebetween, a finger on said plate loosely engaging a stationary part to hold said plate against rotative movement with said disk but permitting other movement, a power transmitting element, said disk having a groove therein facing said plate for receiving said element, and means on said plate for directing longitudinal movement of said element toward said groove substantially tangentially and at an angle thereto.

2,071,384
VIBRATORY MOTOR DEVICE
Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application January 19, 1934, Serial No. 707,309
2 Claims. (Cl. 200—90)

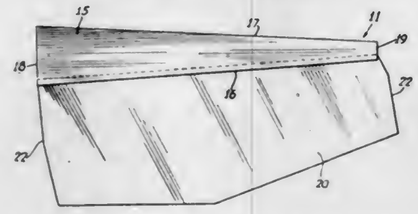


1. A vibratory motor device comprising, in combination, a support having a vibratory member mounted thereon, a winding secured to said support to extend along said member and cooperating therewith to induce a vibratory movement thereof, an enclosing case for the unit formed by said support and its associated parts including an inner case of yielding material by which said unit is freely supported for self-induced vibratory movement, and a guard on said support extending along the side of said vibratory member opposite said winding whereby said guard and winding cooperate in spacing said member from said inner case.

2,071,385
TREATMENT OF TEXTILE MATERIALS
Edward B. Bell, Lowell, Mass., assignor to The Buromin Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 12, 1933, Serial No. 680,151
2 Claims. (Cl. 8—5)

1. In the process of dyeing textile materials, the step which consists in subjecting the textiles to a dyeing bath containing an alkali metal hexametaphosphate.

2,071,386
NECKTIE WRAPPER
Harry A. Berger, New York, N. Y.
Application May 21, 1936, Serial No. 80,981
1 Claim. (Cl. 206—7)

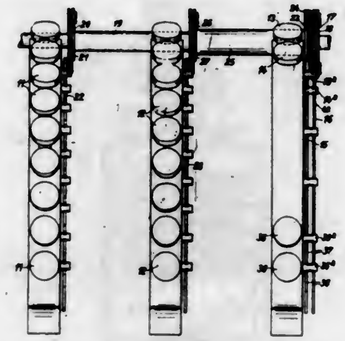


A tie package for a plurality of neckties comprising an elongated stiff sheet supporting and retaining member corresponding in taper to the taper of a plurality of neckties folded in half and placed thereover, said ties folded at an intermediate portion thereof about the smaller end edge of said member and contacting the opposite faces of the latter and extending toward the opposite larger end edge of said sheet member, a flexible, translucent sheet secured to and extending laterally from a side edge of said member and of a size to fully and tightly wrap said folded ties, said translucent member encircling said supporting and retaining member and ties on both side faces thereof and forming an additional overlapping edge portion, and means for holding said wrapped sheet in a wrapped condition.

2,071,387
ACCOUNTING MACHINE
Ernst Breitling, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application July 19, 1935, Serial No. 32,241
In Germany September 25, 1933
6 Claims. (Cl. 235—130)

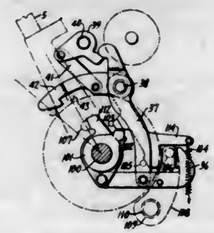
1. In a machine of the class described, a plurality of banks of transaction keys, a bank of balance keys including a plurality of normally operable keys and a plurality of normally inoperative keys, one of said normally inoperative keys being related to each of said banks of transaction keys, and control means comprising a plurality of slides selectively moved by said transaction keys being mounted adjacent the bank of balance keys and having means thereon selectively cooperable with

said balance keys to control the operation of the balance key related to the transaction bank in



which the key is depressed and to simultaneously lock the normally operable keys against operation.

2,071,388
ACCOUNTING MACHINE
Ernst Breitling, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application July 19, 1935, Serial No. 32,242
In Germany July 15, 1932
5 Claims. (Cl. 235—7)



1. In an accounting machine for registering the new balance resulting from the entry of an old balance and subsequent transactions, a balance lever, a mode of operation lever settable to a plurality of positions including a special correction position, means for automatically latching the mode of operation lever when set to the correction position, normally inoperative means for releasing said latching means, normally operative but ineffective means for operating said releasing means, and means to render the operating means effective to operate the releasing means when the balance lever has been set to take a total.

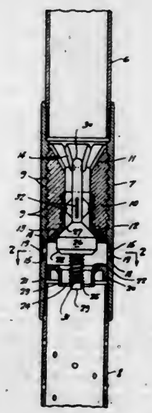
2,071,389
WELL CEMENTING
Erd V. Crowell, Los Angeles, Calif.
Application December 5, 1932, Serial No. 645,656
10 Claims. (Cl. 166—21)

1. The method of cementing casing in a well bore, which includes circulating hydraulic fluid through the casing, and while retaining the hydraulic fluid in the casing to a level above that of normally closed ports in the side wall of the casing, opening said ports and closing the bore of the casing below said ports, discharging through the open ports the hydraulic fluid standing in the casing above said ports, and then



ejecting cement from the casing through the open ports.

2,071,390
APPARATUS FOR CEMENTING WELLS
Erd V. Crowell, Los Angeles, Calif.
Application August 6, 1935, Serial No. 34,920
15 Claims. (Cl. 166—1)

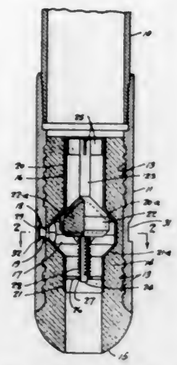


2. In a cementing apparatus, a section of well casing, a pair of valve seats formed in said casing, a valve between said seats adapted to contact either seat by variance in pressure differentials above and below said valve.

2,071,391
APPARATUS FOR CEMENTING WELLS
Erd V. Crowell, Los Angeles, Calif.
Application September 20, 1935, Serial No. 41,400
21 Claims. (Cl. 166—1)

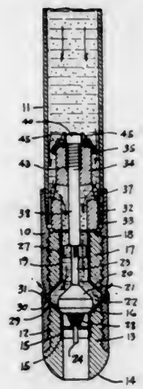
10. In a well cementing apparatus, a well casing, a hollow valve body secured in said casing forming a pair of oppositely-disposed valve seats,

a valve between, and adapted to close the bore through said valve body by contact with either of,



said seats, and resilient means to urge said valve against its upper seat.

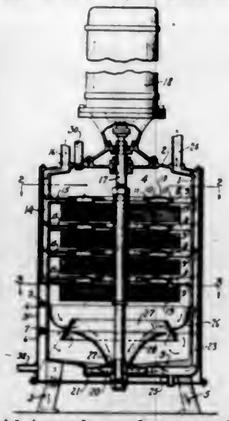
2,071,392
APPARATUS FOR CEMENTING WELLS
Erd V. Crowell, Los Angeles, Calif.
Application April 1, 1936, Serial No. 72,027
11 Claims. (Cl. 166—1)



10. In a device of the character described, a well casing, a valve in said casing, means actuated by fluid pressure to compel said valve to move in advance of said means, and means actuated by fluid pressure to coact with said first-mentioned means to relieve pressure on said valve.

2,071,393
GAS SEPARATOR
Arthur Lloyd Doherty, Toledo, Ohio, assignor to The Harbauer Company, Toledo, Ohio, a corporation of Ohio
Application March 14, 1935, Serial No. 11,101
10 Claims. (Cl. 183—2.5)

1. In an apparatus of the class described, a shell forming a chamber in which a vacuum is maintained, a vertical shaft mounted in said chamber, means for driving said shaft, beater means carried by the shaft, a liquid distributing member disposed within the chamber above the beater means and comprising an annular trough having inner and outer edges over which a liquid supplied thereto may flow and fall into contact with said beater means, means for directing a



liquid to said trough, and means in the bottom of the chamber for discharging liquid therefrom.

2,071,394
ASHTRAY
George F. Douglas, Salem, Oreg.
Application April 26, 1935, Serial No. 18,405
4 Claims. (Cl. 206—37)



1. In a combination ash tray and advertising device formed of fibrous material, a blank having transverse fold creases to provide four folded sections, two of which are folded toward each other to provide a trough like receptacle and the remainder of which are folded toward the two to provide a support therefor, and lateral flaps for closing the trough like container.

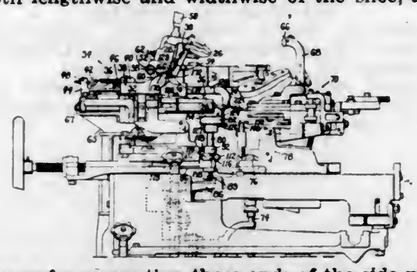
2,071,395
MANUFACTURE OF POLYHYDRIC ALCOHOLS
Henry Dreyfus, London, England
No Drawing. Application July 1, 1932, Serial No. 620,546. In Great Britain August 4, 1931
4 Claims. (Cl. 260—156.5)

1. Process for the manufacture of polyhydric alcohols which comprises producing said polyhydric alcohols by subjecting normally gaseous olefines to catalytic oxidation by means of oxygen in presence of liquid water maintained near its boiling point under the pressure obtaining and containing oxygen carriers.

2,071,396
SHOE MACHINE
Karl Engel, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 24, 1936, Serial No. 76,218
29 Claims. (Cl. 12—7)

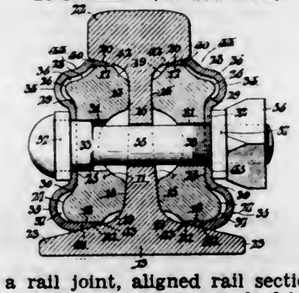
1. In a lasting machine, the combination with end-embracing lasting wipers constructed and arranged for wiping movement lengthwise of a shoe in the machine and widthwise of the shoe, of side-lasting wipers constructed and arranged

for wiping movement by the end-lasting wipers both lengthwise and widthwise of the shoe, and



means for supporting those ends of the side wipers remote from the end wipers and for guiding their wiping movements.

2,071,397
RAIL JOINT
Robert Faries, St. Davids, Pa.
Application October 19, 1933, Serial No. 694,209
10 Claims. (Cl. 238—244)



1. In a rail joint, aligned rail sections; joint bars of uniform cross section and of less fishing height throughout their length than that of the rail and having their upper and lower inner corner edges truncated to define, at opposite sides of the assembled joint, continuously-open outwardly-divergent upper and lower interspaces respectively with the head and with the base flanges of the rail; one piece spring shim plates coextensive in length with the joint bars and having flat medial portions bearing against the flat webs of the joint bars and having flexible upper and lower longitudinal marginal portions spaced from the joint bars and terminating in inward wedge projections spring pressed inwardly to engage in the interspaces from the exterior of the joint; and cross bolts connecting the joint bars and the medial portions of the shim plates rigidly to each other and to the rails.

2,071,398
RADIO RECEIVER
Walter A. Frantz and Paul D. Kendall, Cleveland Heights, Ohio; said Kendall assignor to said Frantz
Application July 11, 1933, Serial No. 679,856
5 Claims. (Cl. 250—14)



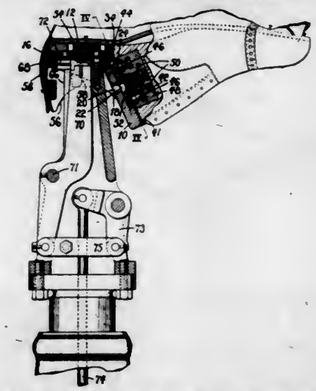
1. Radio receiving apparatus for use in an automobile having seats arranged one behind the other comprising, a radio receiver having a case adapted to fit in a space on the front seat between the occupants thereof, means attached to such seat for supporting said receiver in either of two positions, and control means for said receiver at the forward end of the receiver case readily accessible to the occupants of the front seat on either side of said receiver for one position of said receiver, said control means being in position for manipulation by the occupants of the rear seat of the car for the other position of said receiver.

2,071,399
DRINKING GLASS PROTECTOR
John C. Gambell, Oakland, Calif.
Application October 3, 1935, Serial No. 43,360
2 Claims. (Cl. 65—53)



2. A drinking glass protector comprising a base, a pair of wing-like members formed integrally with said base and rising upwardly therefrom, a tab extending from each wing-like member along adjacent edges thereof, said tabs being joined together in overlapping relationship, a free tab extending from each wing-like member along the other edge thereof, means on one of said free tabs for joining said free tabs together, said means comprising a strip of material secured at one end thereof to one of said free tabs and provided with a surface thereof coated with an adhesive, said strip being doubled upon itself to shield said adhesive surface and provided with a portion extending beyond said adhesive surface and overlying a surface of said free tab.

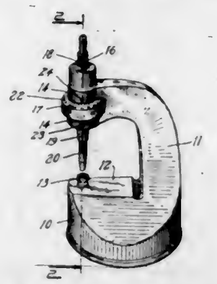
2,071,400
LAST
John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 25, 1935, Serial No. 23,353
8 Claims. (Cl. 12—133)



1. A last comprising a main portion and a second portion movable longitudinally of the last to

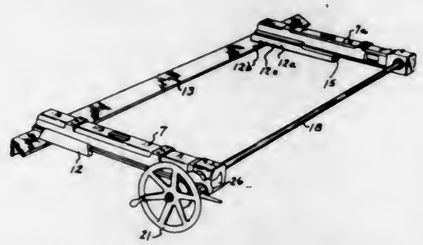
lengthen or shorten the last, means for holding the last in lengthened position, and a shield comprising a plurality of resilient fingers mounted on the side of one of said last parts with the ends of the fingers resiliently resting on the surface of the side of the other last part, to cover the opening between the last portions when the last is in lengthened position.

2,071,401
COMBINED CROWDING AND STAKING TOOL FOR WATCHMAKERS
Jes I. Hansen, Denver, Colo.
Application May 4, 1936, Serial No. 77,806
6 Claims. (Cl. 29—88)



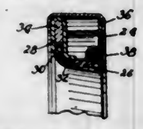
1. A watchmaker's tool comprising: a supporting frame; a work table in said frame; an arm extending over said work table; a bifurcated extremity on said arm; a nut positioned in said bifurcated extremity; a vertical threaded tube passing through said extremity and through said nut and threaded into the latter; a punch slidably mounted in said threaded tube; means for preventing upward movement of said punch in said tube; an index scale on the upper face of said nut; a point cooperating with said scale to indicate the amount of rotation of said nut; and means for preventing said tube from rotating in said extremity.

2,071,402
BACK GAUGE FOR SHEARS
Robert T. Hazelton, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a corporation of Ohio
Application May 4, 1933, Serial No. 669,400
24 Claims. (Cl. 164—59)



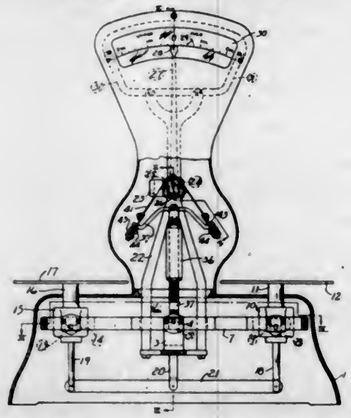
1. In a back gauge for metal shears, the combination of a pair of threaded shafts, means for rotating said shafts, an abutment member, nuts on said shafts, said abutment member being pivoted with relation to the nut on one of said shafts and slidably mounted with respect to the nut on the other of said shafts.

2,071,403
ARMORED GREASE RETAINER WITH WASHER AND SPACER
William A. Heinze, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Original application April 9, 1934, Serial No. 719,677. Divided and this application May 17, 1935, Serial No. 22,045
7 Claims. (Cl. 288—1)



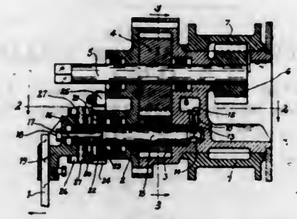
1. A grease retainer, comprising an outer shell having one side wall, an inner shell fitted into the outer shell, and with one face forming another side wall of the retainer and a flexible packing element, said inner shell comprising an armored support for the packing element, said packing element being L-shaped in cross-section and with one leg clamped and supported by the inner shell, said inner shell being U-shaped in cross-section with one leg embedded into adjacent portions of the packing element, and a relatively heavy metal washer inserted in said U-shaped shell with its inner periphery substantially contacting the adjacent outer periphery of the packing.

2,071,404
WEIGHING SCALE
Samuel N. Hurt, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application January 29, 1936, Serial No. 61,267
6 Claims. (Cl. 265—59)



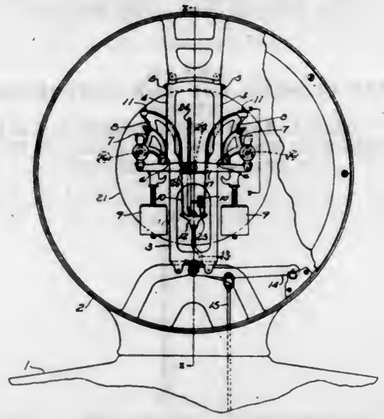
1. In a device of the class described, in combination, weighing mechanism comprising an even armed lever, load and counterpoise receptacles pivotally mounted on opposite ends of said lever, a load counterbalancing pendulum mounted above and independently of said lever, means for operatively connecting said lever to said load counterbalancing pendulum, said connecting means including an antipendulum adjustably mounted on said lever, said antipendulum being adapted to act in opposition to said load counterbalancing pendulum when the vertical axis of said device is not in coincidence with a line which is vertical to the horizon.

2,071,405
WINCH WITH GEARED TRANSMISSION
Ernst Jahnel, Moosburg, Germany
Application January 17, 1936, Serial No. 59,543
In Germany April 7, 1934
10 Claims. (Cl. 192—19)



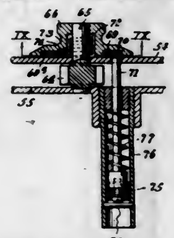
1. In a winch with geared transmission, a crank handle for operating said geared transmission, at least one intermediate wheel of the gearing being formed as a gear wheel pump, braking liquid chambers, a channel connecting said chambers, a relief-valve in the said channel connecting the braking liquid chambers, and said relief valve being in connection with the crank handle of the winch for operation thereby.

2,071,406
WEIGHT INDICATING AND PRINTING MECHANISM
Alan J. Jerome, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application September 23, 1935, Serial No. 41,739
7 Claims. (Cl. 265—5)



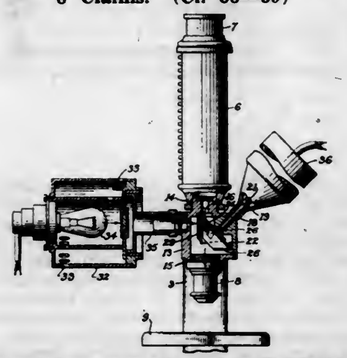
1. In a device of the class described, in combination, automatic load-counterbalancing mechanism, said automatic load-counterbalancing mechanism having a point movable in a straight line under the influence of loads counterbalanced thereby, a disk having its axis connected to said automatic load-counterbalancing mechanism at the point which is movable in a straight line, whereby said disk is given translative and rotative movement by movement of said automatic load-counterbalancing mechanism, a spirally arranged series of readable indicia on said disk, and means for rendering visible certain of said readable indicia indicative of weights of loads counterbalanced by said load-counterbalancing mechanism.

2,071,407
DISPENSING DEVICE
William H. Johnson, Greensburg, Pa., assignor to Universal Lubricating Systems, Inc., Etna, Pa., a corporation of Delaware
Application November 7, 1930, Serial No. 494,046
8 Claims. (Cl. 235—144)



1. In a dispenser register, an indicator, actuating means therefor including a slip connection for permitting manual resetting of the pointer and preventing manual advancement thereof, and a detent cooperating with a resetting stop to limit the extent of resetting movement but permitting free forward movement of the pointer, said detent being yieldable so as to be displaced after each successive complete forward rotation of the pointer.

2,071,408
MICROSCOPE
Charles F. Jones, San Francisco, Calif.
Application January 28, 1935, Serial No. 3,713
8 Claims. (Cl. 88—39)

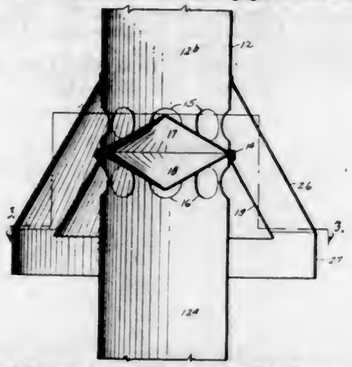


7. In a microscope adapted particularly to the study of the phosphorescent properties of opaque matter, having an eye-piece, a body tube, a stage and an objective, means for periodically bombarding said matter with light and means permitting observation of said matter through said body tube between the periods of light bombardment, said means for periodically bombarding said matter with light being located between the stage and eye-piece.

2,071,409
DRAFT DIVERTER
Robert L. Klar, Des Moines, Iowa, assignor to Leland Heater Company, Des Moines, Iowa, a corporation of Iowa
Application May 25, 1936, Serial No. 81,699
7 Claims. (Cl. 126—307)

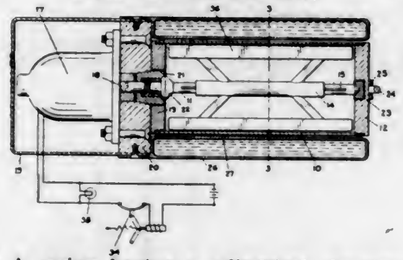
1. A draft diverter structure having a pipe for conducting products of combustion, a partition therein, the pipe having openings in its wall above

and below the partition, a downwardly opening flaring hood secured to the pipe between the



upper and lower openings, a similar larger hood secured to the pipe above the openings.

2,071,410
FREEZING, MIXING, AND CHOPPING MACHINE
Lee H. Kuhn and Gilbert W. Hart, Lincoln, Nebr.
Application June 11, 1935, Serial No. 26,083
3 Claims. (Cl. 259—110)



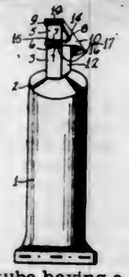
1. A casing having a cylindrical chamber, a cylindrical food container insertable into said chamber, a rotatable food agitator within said food container, a screw-threaded disc closure for the opening of said food container, a horizontal bail handle projecting outwardly from said disc closure, and a strap releasably secured to said casing to extend across said disc closure, said strap being provided with a slot for engaging said bail handle to prevent sliding and turning movements of said food container.

2,071,411
GAUGE GLASS
Armand Lamesch, Waldenburg-Altwasser, Germany, assignor to Schlesische Spiegelglas-Manufactur, Carl Tielsch G. m. b. H., Waldenburg-Altwasser, Germany
Application June 28, 1934, Serial No. 732,805
In Germany July 11, 1933
2 Claims. (Cl. 73—54)



1. A sight glass for pressure, vacuum and other containers having contents which effect the glass, comprising a plurality of independent layers of glass, and a layer of plastic material interposed between and extending throughout the entire area of each of the opposed faces of said layers of glass to connect the latter, said material having approximately the same refractive index as glass, whereby the sight glass retains its transparency while permitting relative movement of the layers to each other responsive to varying temperature changes.

2,071,412
SELF-CLOSING CAP FOR COLLAPSIBLE TUBES
Gaston Lateur, San Francisco, Calif.
Application December 21, 1934, Serial No. 758,640
6 Claims. (Cl. 221—60)



1. A collapsible tube having a mouth rectangular in cross section with an inclined open end, whereby the mouth is provided with opposed long and short walls, the longer wall having a transverse groove formed in its outer surface, a cap having a top designed to cover the inclined end, said top also having flanges engaging with the sides of the mouth with arms that have their ends pivotally and removably received in the groove, and a leaf spring integral with the cap and yieldingly engaging with the shorter wall for moving the cap into closed position.

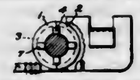
2,071,413
SELF-CLOSING CAP FOR COLLAPSIBLE TUBES
Gaston L. Lateur, San Francisco, Calif.
Application March 18, 1935, Serial No. 11,707
7 Claims. (Cl. 221—60)



1. In a device of the type described, a neck having an open end, a cap closing the end and having arms pivotally connecting the cap to the front of the neck, and a spring integral with the cap at its front edge, said spring extending across the top of the cap and having its end bearing against the rear of the neck.

2,071,414
KNIFE CUTTING MECHANISM FOR LOOMS
John Lowrie, Thompsonville, Conn.
Application April 22, 1936, Serial No. 75,769
3 Claims. (Cl. 139—47)

1. In mechanism for the purpose described a knife holding member, a flat annular knife blade made in half portions, spring clips fashioned to removably hold said half portions on said knife holding member, a rotatable shaft on which the knife holding member is mounted, one of said



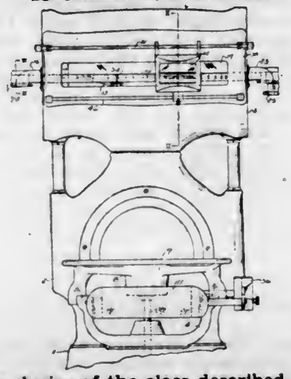
spring clips having such engagement with the shaft as to key the knife assembly for rotation with the shaft.

2,071,415
VALVE ADJUSTING DEVICE
Rodney W. Manning, Riverside, R. I.
Application February 23, 1933, Serial No. 658,030
1 Claim. (Cl. 123—90)



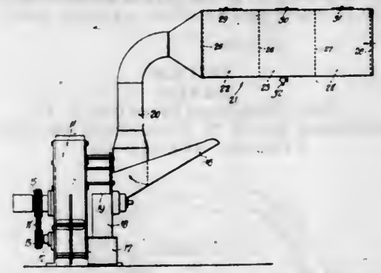
In a valve train, a valve and a pushrod, a valve adjusting device embodying a number of helical coils mounted between said valve and pushrod, said coils telescopically arranged in conical formation for sliding movement one upon the other.

2,071,416
COMPUTING DEVICE
Charles O. Marshall, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application November 29, 1935, Serial No. 52,026
13 Claims. (Cl. 265—29)



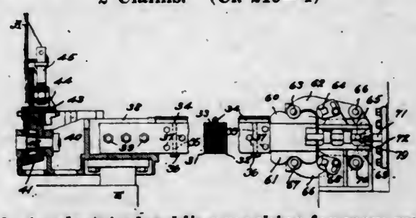
1. In a device of the class described, in combination, automatic load-counterbalancing mechanism, a member marked with a row of logarithmically arranged indicia, a cylindrical member carrying a logarithmic curve on its surface and connected to said automatic load-counterbalancing mechanism to be moved therewith, a portion of said cylindrical surface lying adjacent said indicia, said curve being moved logarithmically along said indicia by such movement of said cylindrical member, and means for shifting the member marked with said indicia across the direction of movement of the adjacent portion of the surface of said cylindrical member to correspond with a selected datum.

2,071,417
TREATMENT OF CALCIUM MAGNESIUM CHLORIDE
Peter R. Martin, Chicago, Ill., assignor to Fuel Treating Products Co., Chicago, Ill.
Application February 23, 1935, Serial No. 7,708
7 Claims. (Cl. 83—94)



1. The process of treating solid deliquescent material to reduce the particle size thereof which comprises grinding said material in an atmosphere from which the moisture has been removed by contact of said atmosphere with a part of said deliquescent material.

2,071,418
ELECTRIC SEAM WELDER
Fred P. McBerty, Warren, Ohio
Application November 7, 1933, Serial No. 696,935
2 Claims. (Cl. 219—4)



1. An electrical welding machine for seam welding which comprises a frame, a laminated welding arm pivotally mounted at one end in said frame for carrying a work piece to be seam welded, a readily replaceable contact rod mounted on the top surface of said welding arm, two pairs of jaws for holding the other end of said welding arm in the proper horizontal and vertical position respectively, manually and pneumatically operative elements for opening and closing said jaws, a welding roll adapted to move over said work piece under pressure, a movable carriage carrying said welding roll, a fixed bus bar, a contact device for conducting electricity from said bus bar to said welding roll, and a pair of welding current sources for supplying electricity to said welding roll from both ends of said bus bar and said welding arm, each of said sources including a control transformer having a tapped secondary and a main transformer having a tapped primary connected to the secondary of said control transformer whereby operating voltage and turn ratio of said main transformer and the welding current output may be accurately adjusted.

2,071,419

TREATMENT OF TEXTILE MATERIAL

William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 4, 1934, Serial No. 705,284. In Great Britain January 18, 1933

8 Claims. (Cl. 91—68)

1. A fabric having an increased resistance to creasing impregnated with at most one ounce per square yard of fabric of a solid substance selected from the group consisting of polymerization products of unsaturated aliphatic aldehydes and polymerization products of esters of unsaturated aliphatic acids, which is substantially insoluble in water and in dilute aqueous media.

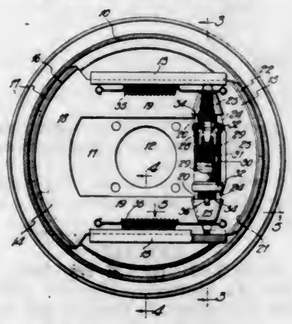
2,071,420

BRAKE

Gene Napolitan, Brooklyn, N. Y.

Application March 22, 1935, Serial No. 12,371

6 Claims. (Cl. 188—78)



1. In a brake, a drum, a pair of opposed slidably mounted shoes, one of said shoes having a substantially U-shaped web, the ends of the legs of the U-shaped web being inwardly inclined and terminating in spaced relation with the web of the other shoe, inclined surfaces provided on the web of the other shoe opposite the inclined ends of the U-shaped web and inclined in a direction opposite thereto to provide V-shaped spaces therebetween, slide wedges disposed within the V-shaped spaces for wedging engagement with the inclined portions of the webs of said shoes, spring means acting upon said shoes to hold the same in a normally retracted position, and operable means for simultaneously moving said wedges in opposed direction to cause the shoes to be moved to an expanded position into braking engagement with said drums against the action of said spring means.

2,071,421

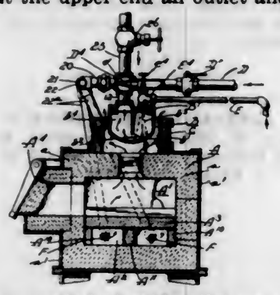
GASIFIER FOR HEATING INDUSTRIAL APPLIANCES

John W. Nelson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application May 29, 1933, Serial No. 673,497

3 Claims. (Cl. 48—102)

1. A gas generating apparatus consisting of a retort comprising a vertically extending chamber having therein a vertically extending partition dividing the chamber into two compartments positioned laterally with respect to each other, said compartments having relatively narrow flow communication with each other at the lower end of said partition, and being otherwise non-communicating, said chamber having an inlet at the upper end of one of said compartments; a conduit from a source of liquid fuel connected at said inlet and constituting a fuel supply connection, said compartment being otherwise completely sealed against inflow, the other compartment having at the upper end an outlet and an outlet



conduit connected at said outlet constituting an outlet connection for gaseous fuel delivered by the retort, said second compartment being otherwise completely sealed against outflow, said fuel supply connection of the first compartment being narrowly restricted for retarding inflow of the liquid fuel, and said outlet connection of the second compartment being free of obstruction to fluid outflow.

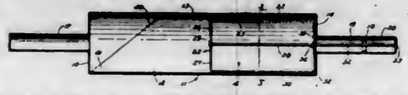
2,071,422

KITCHEN UTENSIL

George E. Newlin, Los Angeles, Calif.

Application August 5, 1935, Serial No. 34,739

2 Claims. (Cl. 107—50)



1. In a device of the character described, the combination of: a telescoping body comprising an inner and an outer sleeve having closed outer ends on which are fixed axial handles, the inner open end of said inner sleeve being shaped to comprise a scoop and said sleeves cooperating when together to provide a flour containing space; perforations formed in the upper side wall of said scoop normally closed by said outer sleeve; an agitator operable exclusively within said scoop said agitator including a shaft journalled in the outer end wall of said scoop and extending through said handle thereof; and an operating member journalled on the outer end of said handle of said scoop and fixed to said shaft whereby said agitator may be held stationary relative to said body when said body is rolled over a surface or said agitator may be rotated relative to said body when said sleeves are extended to assist in sifting flour through said perforations.

2,071,423

ULTRA HIGH FREQUENCY OSCILLATION GENERATOR

Pierre Janne Henri Alphonse Nordlohne, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware

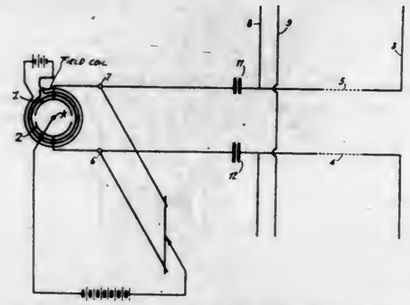
Application July 25, 1934, Serial No. 736,838

In the Netherlands September 14, 1933

4 Claims. (Cl. 250—17)

1. In a device for generating ultrahigh frequency electric oscillations, an electron discharge tube having a cathode and a plurality of anodes, a

load carrying structure comprising a transmission line and an antenna system remotely situated with respect to said discharge tube, the length of said transmission line between said discharge tube and said antenna being relatively greater than the wave length of the oscillations



to be generated, and means including a system of conductors connected to said transmission line and an inductively and capacitively reactive line paralleling said conductors and electrically insulated therefrom, said means being disposed in the vicinity of said discharge tube for governing the frequency of the oscillations generated.

2,071,424

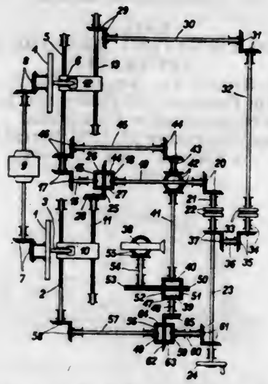
APPARATUS FOR FOLLOWING A TARGET

Karl Papello, Jena, Germany, assignor to the firm N. V. Nederlandsche Instrumenten Compagnie "Nedinsco" Venlo, Netherlands

Application December 11, 1934, Serial No. 757,075

In Germany December 12, 1933

1 Claim. (Cl. 235—61.5)



In an apparatus for following a target, a sighting device movable in a given plane, means for manually moving said sighting device in said plane, a constant speed motor, two variable speed change mechanisms, each having an input shaft, an output shaft and means for adjusting the speed of the output shaft, the input shafts being connected to the said motor for operation thereby, means connecting the output shaft of each mechanism to the sighting device for moving it in said plane, means for coupling the adjusting means of each speed change mechanism to the manual means, and means connecting the output shaft of one of the speed change mechanisms to the adjusting means of the other.

2,071,425

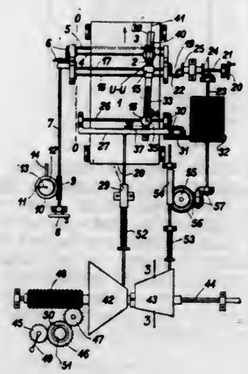
CALCULATING APPARATUS FOR FIRING DIRECTORS FOR SHOOTING AT MOVING AERIAL TARGETS

Karl Papello, Jena, Germany, assignor to the firm N. V. Nederlandsche Instrumenten Compagnie "Nedinsco", Venlo, Netherlands

Application December 11, 1934, Serial No. 757,076

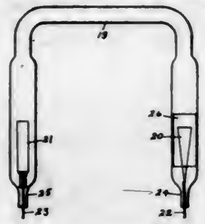
In Germany December 12, 1933

1 Claim. (Cl. 235—61.5)



In a calculating apparatus for firing directors for shooting at moving aerial targets, a rectilinearly moving plotting ribbon adapted to be moved at constant speed, a plotting pencil movable in a direction at right angles to the moving direction of the plotting ribbon, an adjusting device for adjusting the plotting pencil according to the range of the aerial target, two slides movable parallel to the moving direction of the plotting pencil, means for adjusting these two slides through equal distances, other means for giving one of these two slides an additional adjustment, a ruler disposed on this one slide and rotatable about an axis at right angles to the plotting ribbon and lying in a plane at right angles to the moving direction of the plotting ribbon, said plane containing the point of the plotting pencil, this ruler having a slit, a pin disposed on the other of the said two slides and engaging the said slit, a runner for carrying this other slide, this runner being movable in the moving direction of the plotting ribbon, two cams, each of these cams being rotatable about and displaceable along an axis, these two cams being adapted to be adjusted according to the range and the altitudinal angle of the point of impact, the one of these two cams being so coupled to the said runner that this runner is displaced when the said cam is adjusted, this cam being so constructed that this displacement is of such a magnitude that that component of the distance of the axis of rotation on said one slide of the said ruler from the axis of the said pin on said other slide which lies in the moving direction of the plotting ribbon corresponds to the time of flight of a projectile to that point of impact on the aerial target according to which the cam is adjusted, the other of the said two cams being so coupled to the said means for adjusting the said two slides that these slides are displaced when the cam is adjusted, this other cam being so constructed that the displacement of the two slides is of such a magnitude that the position of the said pin corresponds to that range of the point of impact according to which the cam is adjusted.

2,071,426
LUMINOUS DISCHARGE TUBE
Miles Pennybacker, West Orange, N. J., assignor to Voltarc Tubes, Inc., Newark, N. J., a corporation of New Jersey
Application December 20, 1934, Serial No. 758,398
6 Claims. (Cl. 176—122)



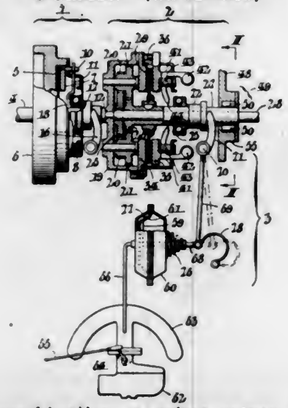
3. In a positive column luminous discharge tube, an elongated glass envelope, a pair of electrodes within said envelope, at least one of said electrodes comprising a cone closed at its small end and with its large end open to and directed toward the positive column so that the discharge takes place on the inside surface of the cone, whereby the discharge is permitted to select the optimum electrode diameter for wide variations of gas pressure within the tube.

2,071,427
BUCKLE FOR SUSPENDERS
Abraham Robert Price, San Francisco, Calif.
Original application May 21, 1935, Serial No. 22,595. Divided and this application August 23, 1935, Serial No. 37,588
4 Claims. (Cl. 241—12)



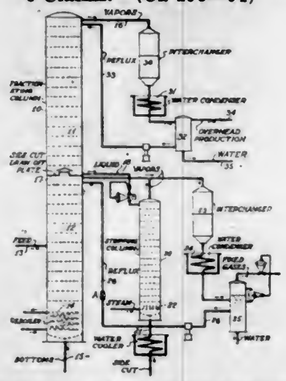
1. In a pair of suspenders, a clamp comprising a plate with an opening therein and a band of substantially the same width as the opening and being spaced in front of the front face of the plate for receiving a suspender strap that slides between the band and plate, and lies flat on the plate, the top and bottom edges of the opening extending parallel with each other and being spaced from each other a distance substantially equal to the width of the band, and a clamping member slidable between the strap and band and having teeth at its lower end for positively engaging with the strap and for clamping the strap to the plate, the clamping member being inclined with respect to the plate and band, whereby upward movement of the member with respect to the band will wedge the member between the band and strap and drive the teeth into the strap for preventing upward movement of the strap.

2,071,428
AUTOMATIC GEAR SHIFT
David C. Prince, Swarthmore, Pa.
Application May 18, 1935, Serial No. 22,131
9 Claims. (Cl. 74—260)



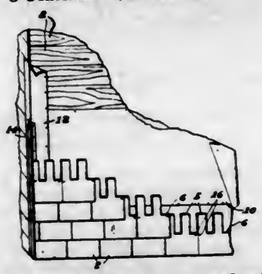
1. In combination, a prime mover, a driving shaft, a driven shaft, power transmitting and gear changing mechanism connecting said shafts, said mechanism including a gear changing element, a carburetor associated with the prime mover, a vacuum cylinder connected to the carburetor manifold, said cylinder having a movable diaphragm, a linkage for translating the motion of the diaphragm to the gear changing element, said linkage including a toggle spring giving positive action to the gear change element, and means for urging the diaphragm in a direction overcoming the effect of a vacuum in said cylinder to cause a gear change when the vacuum is dissipated in the carburetor manifold.

2,071,429
FRACTIONATING METHOD AND APPARATUS
Edward G. Ragatz, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 18, 1933, Serial No. 689,981
6 Claims. (Cl. 196—94)



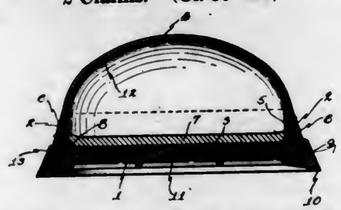
1. A method for fractionating hydrocarbon oils comprising introducing a heated hydrocarbon feed material into a lower portion of a fractionating column, withdrawing vapors from the top of the column, returning reflux to the upper portion of the column, withdrawing a liquid side cut from an intermediate portion of the column, introducing said withdrawn side cut into a stripping column, vaporizing a portion of said side cut in said stripping column, withdrawing vapors from said stripping column, and augmenting them with vapors withdrawn from an intermediate portion of the fractionating column, condensing the thus augmented vapors and returning a portion of the condensate to an intermediate portion of the fractionating column.

2,071,430
SIDING SHINGLE
Frank P. Reynolds, East Walpole, Mass., assignor to Bird & Son, Inc., East Walpole, Mass., a corporation of Massachusetts
Application June 25, 1935, Serial No. 28,275
3 Claims. (Cl. 20—5)



1. An individual building unit adapted to be laid with similar units in overlapping courses with the units in each course lying in closely adjacent relation, said unit having spaced tongues of substantial size and of a length greater than the width thereof extending upwardly from the base portion thereof, said tongues being adapted to underlie and directly support the base portion of a corresponding unit of an overlapping portion with each said tongue contacting an area of said overlapping portion substantially equal to the area of said overlapping portion between adjacent underlying tongues and thereby prevent material drooping of the unsupported areas between the directly supported areas.

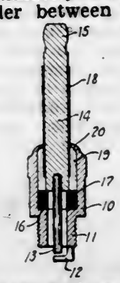
2,071,431
GYMNASIUM AND OUTING SHOE
John T. Riddell, Chicago, Ill.
Application August 17, 1935, Serial No. 36,691
2 Claims. (Cl. 36—14)



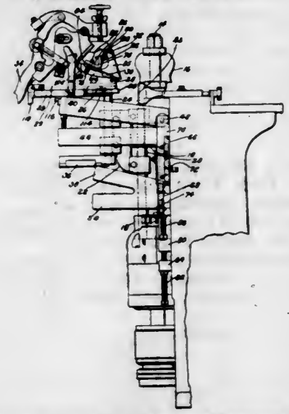
2. A shoe sole comprising a body having an upstanding marginal welt flange with a depressed external rabbet at its base and shaped to receive and cover the marginal edge of an upper.

2,071,432
SPARK PLUG
Otto C. Rohde, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application April 30, 1936, Serial No. 77,156
4 Claims. (Cl. 123—169)

1. A spark plug comprising a shell, a central conducting rod, an insulating coating formed on the rod and intimately adherent thereto and compacted powder between the shell and rod forming a gas-tight body and securing the rod in position within the shell.



2,071,433
WOOD HEEL TURNING MACHINE
Harley W. Russ, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 7, 1935, Serial No. 585
9 Claims. (Cl. 12—87)



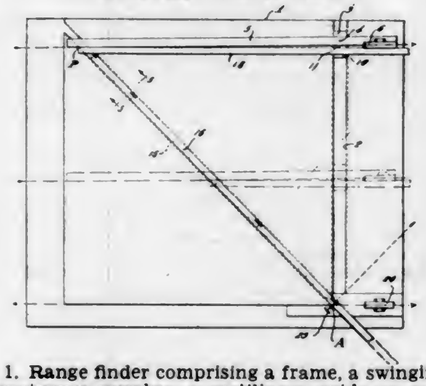
1. In a heel turning machine having, in combination, a rotary cutter, a jack arranged to grip a heel blank and to turn its side and rear surface past the cutter, a rotatable shaft on which the jack is mounted to turn about the axis of the shaft, and a pivotal mounting connecting the jack and the shaft, with its axis at right angles to the axis of the shaft; a cam track cooperating with the jack to tilt it around the axis of the pivotal mounting as the jack turns the heel blank past the cutter, a second cam cooperating with the jack shaft to move it longitudinally as the jack turns, and means for simultaneously adjusting both cams in a direction parallel to the axis of the jack shaft.

2,071,434
METHOD AND MACHINE FOR PRODUCING FLAKES AND THE LIKE FROM PLASTIC MASSES
Axel Uno Särnmark, Gothenburg, Sweden
Application October 3, 1933, Serial No. 691,980
In Sweden October 3, 1932
13 Claims. (Cl. 99—80)

1. In a method of producing flakes, and the like from a plastic mass, the steps comprising feeding said mass through openings while imparting to the mass a great energy of movement

second conveyor located to receive material from the first said conveyor and deliver such material to said weighing mechanism, the second said conveyor being of the vibratory type, and means for operating said conveyors to cause material to move over the conveyor of the vibratory type at speed greater than that with which it moves over the first said conveyor.

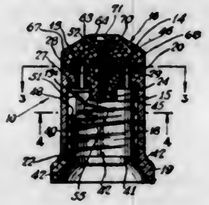
2,071,444
RANGE FINDER
Barrett R. Wellington, Troy, N. Y.
Application September 10, 1935, Serial No. 39,921
10 Claims. (Cl. 88—2.7)



1. Range finder comprising a frame, a swinging hypotenuse member, a rectilinear guide on said frame, an element sliding on the guide and providing a pivotal connection for the hypotenuse member, an angle assembly including a strip extending at right angles to said guide and a diagonal element extending at an acute angle from said strip, a spacer disposed between the strip and hypotenuse member in the region of the guide, said assembly having a point of contact with the edge of the hypotenuse member, so that the spacer and said strip cooperate with a portion of the hypotenuse member in defining a right triangle, said diagonal element being slidable along a guideway in the frame so that the angular position of the hypotenuse member relative to the strip and guide may be varied, and means to facilitate sighting along the hypotenuse and along a base line extending at right angles to the guide, whereby both lines of sight may converge upon a common distant object when the angle assembly is adjusted by sliding the diagonal element along the guideway to bring the hypotenuse to the proper angle, and a scale associated with said diagonal element giving a reading of the distance of the sighted object.

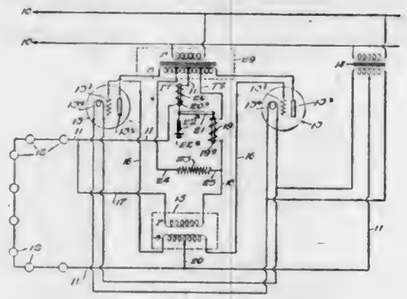
9. Range finder comprising relatively movable members defining lines of sight converging on a distant object being sighted, mirrors arranged on the lines of sight to receive images of such an object, one of said mirrors being swingable about an axis perpendicular to the plane including the lines of sight in response to the relative movement of said members, and a pair of fixed mirrors to receive images reflected from said first-named mirrors, a pair of normally fixed stereoscopic telescopes into which the images are reflected respectively by the mirrors of said pair, and a scale associated with said relatively movable members to indicate the distance of the object being sighted, whereby, when the members are properly positioned the images seen through the telescopes exactly coincide, and the distance of the object can then be directly read from the scale.

2,071,445
ELECTRIC LAMP SOCKET
Abraham Wolf, Brooklyn, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application September 26, 1934, Serial No. 745,569
5 Claims. (Cl. 173—358)



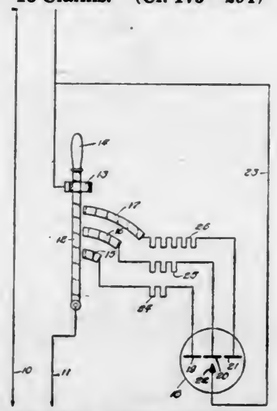
1. An electric lamp socket comprising a tubular insulating housing having an end wall, said end wall having a projection on the inner surface thereof and being formed with a pair of through openings, a screw shell within said housing attached to said end wall by a member extending through one of said through openings, a strip of metal fixed to said end wall by a member extending through the other of said through openings and having a resilient free end portion forming a central contact and disposed below said projection, said end wall being formed with an opening in the top thereof extending into said projection, and a cap fitted over said end wall and being attached thereto by a drive screw extending through said cap and into said last mentioned opening, the end of said drive screw extending into said projection.

2,071,446
ELECTRIC CONTROL SYSTEM
Hugh E. Young, Chicago, Ill.
Application June 20, 1932, Serial No. 618,369
15 Claims. (Cl. 176—8)



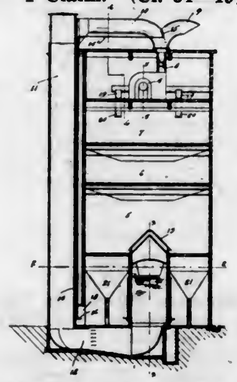
1. A system for current regulation comprising an A. C. supply circuit, a work circuit the resistance of which is variable, said work circuit being supplied with energy from said supply circuit, a saturable core reactor for controlling the energy supplied through it to said work circuit, a grid controlled tube having its plate current supplied by said supply circuit and having a direct current circuit connected to said reactor to saturate the core thereof to variable degree, a grid control circuit for supplying grid excitation for said tube, and means including a phase shift circuit and a regulator in series relation to the work circuit for shifting the phase of grid excitation to regulate the flow of current in said work circuit.

2,071,447
CIRCUIT BREAKER
Hugh E. Young, Chicago, Ill.
Application March 24, 1934, Serial No. 717,282
13 Claims. (Cl. 175—294)



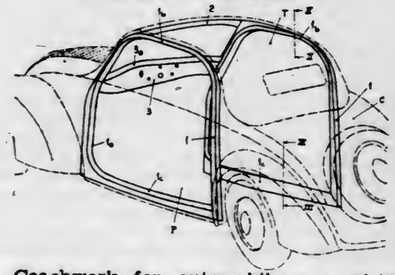
1. In combination, circuit interrupting means comprising two relatively movable contacts adapted to complete the circuit when in engagement, electric valve means comprising a plurality of anode and cathode circuits, and means responsive to a circuit opening operation of said interrupting means for connecting said anode circuits in shunt across said contacts prior to the separation of said contacts and for opening said anode circuits in sequence after the separation of said contacts.

2,071,448
CEREAL DEHYDRATION PLANT
Leon Zihler, Winnipeg, Manitoba, Canada
Application November 4, 1933, Serial No. 696,737
1 Claim. (Cl. 34—19)



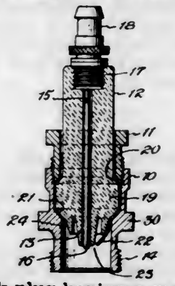
The combination with a drying kiln for malt and the like consisting of a building-like structure having a plurality of superposed, vertically spaced, air pervious, drying floors, a superjacent supply chamber providing means for precipitating material upon the subjacent floor, a blower in said supply chamber operable to draw air from said floors and an air receiving, air mixing and air heating chamber below the lowermost of said drying floors, of a cowl outlet communicating with said blower upon the blowing side thereof, a horizontally disposed duct communicating with said cowl outlet, said duct also communicating with a vertically disposed stack erected alongside said building-like structure, a subterranean passageway communicating with the base of said stack, said passageway also communicating with said air receiving, air mixing and air heating chamber and a valve located at the communicating junction of said cowl outlet and said duct, manually controllable from a point adjacent said air receiving, air mixing and air heating chamber to permit the discharge of air from within said building-like structure through the cowl outlet into the atmosphere or circulate the same through said duct, down said stack, along said passageway and back into said air receiving, air mixing and air heating chamber.

2,071,449
ALL-METAL COACHWORK FOR AUTOMOBILES
Ferruccio Accardi, Turin, Italy, assignor to Fiat Società Anonima, Turin, Italy
Application July 26, 1935, Serial No. 33,402
In Italy February 20, 1935
2 Claims. (Cl. 296—28)



1. Coachwork for automobiles comprising a stamped sheet metal frame constituted by two substantially quadrangular side frames and two front cross members serving as frame for the windshield, the sides of said quadrangular frames being C-shaped in cross section, a sheet metal covering, of which the edges are welded to a flange of each of said C-shaped sides and form with the other flanges of said sides slit, and a lining applied to the inside of said covering and extending through said slit within said sides to hide the edges of said lining.

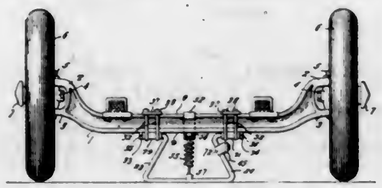
2,071,450
SPARK PLUG
August E. Anderson, Montclair, N. J.
Application August 3, 1935, Serial No. 34,624
5 Claims. (Cl. 123—169)



1. In a spark plug having a metal housing and a dielectric, and a slightly protruding main central electrode in said dielectric; a ground electrode in the shape of an annular gasket with an inwardly bent finger adapted to form a sliding

spark with said main electrode, and means for permanently securing said ground electrode on said dielectric with preadjusted spark gap, thereby providing a replaceable unit for the spark plug.

2,071,451
MOVABLE VEHICLE LIFTING DEVICE
John Lester Barr, Chevy Chase, Md.
Original application April 22, 1929, Serial No. 357,254. Divided and this application January 23, 1934, Serial No. 707,959
4 Claims. (Cl. 280—150)



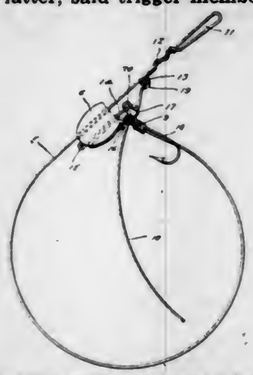
1. A device of the character described for relieving at least part of the weight on at least one of the steering wheels of a vehicle comprising a compression element supported on the vehicle, and upon which the vehicle is adapted to be driven by either forward or backward movement of the vehicle, depending upon the initial point of contact of the compression element with the roadway, and single spring means tending to move and to hold the compression element into operative relation to the roadway for raising the vehicle by either said forward or backward movement.

2,071,452
LOW DIELECTRIC LOSS CERAMIC PRODUCT AND METHOD OF MAKING
Walter Bloch, Kidsgrove, Stoke-on-Trent, England
No Drawing. Application August 28, 1935, Serial No. 38,331. In Great Britain September 4, 1934
7 Claims. (Cl. 106—12)

1. The method of manufacturing densely sintered ceramic insulating materials with low dielectric loss, comprising mixing from 80% to 97% of a pulverulent, nonplastic material consisting principally of a substance selected from the group consisting of magnesium and titanium compounds, and from 20% to 3% of an alumina containing material comprising bentonite, the proportion of alumina in the mixture not exceeding that which is contained in the maximum proportion of bentonite, shaping the mixture into bodies, and burning the bodies at sintering temperature.

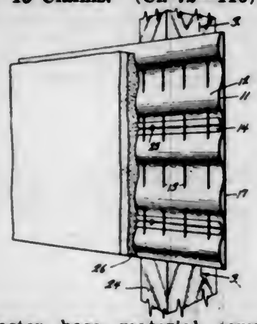
2,071,453
ANIMAL SNARE
John Guin Burns, Pulaski, Tenn.
Application March 23, 1936, Serial No. 70,525
2 Claims. (Cl. 43—87)

1. In an animal snare, a length of flexible wire adapted to be attached at one end to a fixed object, the opposite end of said wire comprising a contractible loop, a weight secured to the free end of said wire and having an opening therethrough through which the anchored end of said wire is trained, a keeper member carried by said weight, and a trigger member pivotally connected at one end with the wire adjacent the anchored end of the latter, said trigger member having a



head engageable with the keeper for releasably retaining the loop in expanded condition.

2,071,454
INSULATING LATH MATERIAL
Edwin D. Coddington, Milwaukee, Wis., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Application July 9, 1934, Serial No. 734,270
15 Claims. (Cl. 72—116)



7. A plaster base material comprising two sheets of paper or the like, one of said sheets providing a substantially plain flat surface and the other sheet being corrugated to provide air cells between said sheets, there being a coating of bright metallic foil upon the faces of said sheets defining said air cells.

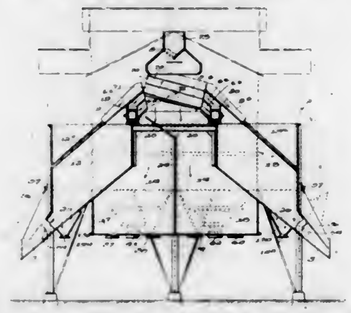
2,071,455
FLOOR SLAB
Edwin D. Coddington, Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y., a corporation of Delaware
Application September 3, 1935, Serial No. 39,026
7 Claims. (Cl. 72—68)



1. A prefabricated floor slab comprising a molded block of cementitious material having a

plane face and an undulated face defining a series of parallel ridges, and a plurality of reinforcing members disposed adjacent the undulated face of the slab and extending crosswise of and intersecting the ridges.

2,071,456
DOMESTIC SCREENING PLANT AND BIN ARRANGEMENT FOR COAL
William W. Dartnell, Wheeling, W. Va., assignor to The Valley Camp Coal Company, Wheeling, W. Va., a corporation of Pennsylvania
Application January 4, 1934, Serial No. 705,273
6 Claims. (Cl. 209—257)



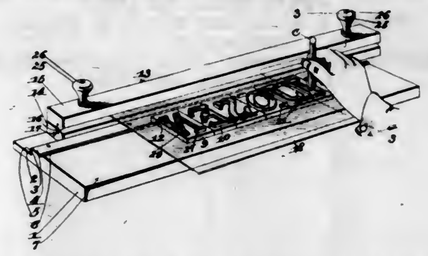
6. In an apparatus of the class described, the combination of means for separating coal into two sizes, two pairs of bins located respectively, upon opposite sides of said means, an endless conveyor adjacent each pair of bins, each having means for discharging material from the upper run into one bin and from the lower run into another bin, means for delivering one size of coal upon the upper run and another size to the lower run of each conveyor, said means comprising a single member supporting said separating means and movable alternately to discharge the coal upon one conveyor or the other.

2,071,457
METHOD FOR STABILIZING FATTY OILS AGAINST OXIDATION
Wilson F. Douglass, Council Bluffs, Iowa, assignor to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine
No Drawing. Application June 22, 1933, Serial No. 677,171
11 Claims. (Cl. 87—12)

1. A method of retarding the oxidation of fats comprising adding to such fats a quite small amount of a lipin-containing part of an animal, retaining the part in the fat a sufficient time to permit the extraction of a major portion of the fat soluble lipins, and then removing the remainder of such part from the fat.

2,071,458
LAYING-OUT AND PRINTING DEVICE
Joseph B. Ennis, Norfolk, Va.
Application March 27, 1935, Serial No. 13,344
10 Claims. (Cl. 41—1)

1. A device to facilitate laying out an inscription, said device comprising a composition board, means to hold a series of indicia blocks on the board, a straight-edge and means by which to secure a sheet of material large enough to extend over the blocks to the straight-edge so that the material will move with the straight-edge, and means by which to guide the straight-edge on the composition board in its sliding movements

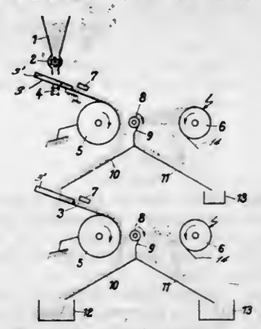


during which the sheet is selectively adjusted back and forth across the indicia blocks.

2,071,459
PROCESS OF PURIFYING POLYGLYCEROL ESTERS
Reginald Furness, Warrington, England, assignor to Lever Brothers Limited, Port Sunlight, England, a company of Great Britain
No Drawing. Application August 20, 1935, Serial No. 37,041. In Great Britain September 4, 1934
3 Claims. (Cl. 87—12)

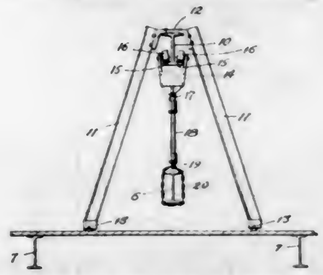
1. A process for producing purified or concentrated substantially water-soluble polyglycerol fatty-acid esters which contain unesterified hydroxyl groups and possess detergent and lathering properties, comprising mixing crude esters containing polyglycerol residue with an aqueous solution of sodium sulphate, agitating the mixture to cause the polyglycerol residue to dissolve in the aqueous solution, and separating the latter from the undissolved ester.

2,071,460
APPARATUS FOR THE ELECTROSTATIC SEPARATION OF MIXED PARTICLES OF DIFFERENT ELECTRICAL BEHAVIOR
Georg Grave, Frankfort-on-the-Main-Heddernheim, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application March 1, 1935, Serial No. 8,964
In Germany March 9, 1934
5 Claims. (Cl. 209—128)



1. Apparatus for the electrostatic separation of mixed particles of different electrical behaviors comprising a grounded conductive carrier for the particles, a high potential electrode spaced from said carrier and an insulated nonconductive roller interposed between said carrier and said high potential electrode.

2,071,461
HOISTING APPARATUS FOR REPLACING STRUCTURAL BEAMS
Walter C. Guest and Romeo H. Guest, Anderson, S. C.
Application November 7, 1932, Serial No. 641,656
1 Claim. (Cl. 104—126)



In a hoisting apparatus a beam including a web and upper and lower flanges, saddles straddled about the upper flange of the beam near the opposite ends thereof, each saddle including an intermediate portion fixed transversely to the beam and of a length equal to the width of the upper flange so as to be braced thereby and outwardly and downwardly inclined end portions, and elongated straight legs arranged in pairs on opposite sides of the beam and having their upper ends fixed to the inclined end portions of the saddles whereby the legs are maintained in divergent relation with each other, and a carrier operably movable on the lower flange of the beam.

2,071,462
FILM
Max Hagedorn and Armin Ossenbrunner, Dessau in Anhalt, and Gustav Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application March 2, 1934, Serial No. 713,770. In Germany March 4, 1933
2 Claims. (Cl. 106—40)

1. The process of manufacturing a support for photographic layers which comprises dissolving cellulose acetate containing 56 per cent of acetic acid in a mixture of methylene chloride, chloroform and amylalcohol; adding as a softening agent diphenylphosphate having the last hydrogen atom esterified by the alcohols containing 8 to 14 carbon atoms obtainable from cocoa nut oil, and triphenylphosphate and casting the solution to form a film.

2,071,463
FILM
Max Hagedorn and Armin Ossenbrunner, Dessau in Anhalt, and Gustav Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application March 2, 1934, Serial No. 713,771. In Germany March 4, 1933
4 Claims. (Cl. 106—40)

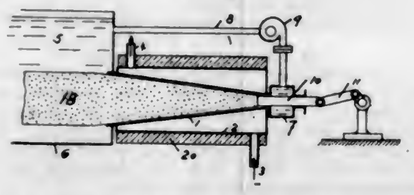
1. A process of manufacturing film which comprises dissolving cellulose acetate containing 56 per cent of acetic acid in a mixture of methylene chloride, chloroform and alcohol, adding a mixture of alcohols obtained by oxidizing commercial paraffin and casting the film from this solution.

2,071,464
IONIC DISCHARGE TUBE
Joseph E. Henderson and Broussais C. Beck, Seattle, Wash., assignors to Barkon Tube Lighting Corporation, Seattle, Wash., a corporation
Application May 29, 1931, Serial No. 541,040
3 Claims. (Cl. 176—126)



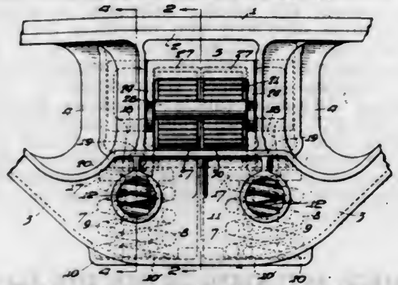
1. A luminous ionic discharge tube having a compact dielectric electrode for illuminating the gas in the tube, said electrode comprising a plurality of closely spaced small electrode tubes of dielectric material, each electrode tube being closed at one end and having its other end connected to the luminous tube, and a conducting material surrounding and contacting with the whole exterior of each of said electrode tubes, the material around any one tube being of a solid nature and being in contact with the material around adjacent tubes, whereby each tube is supported by adjacent tubes.

2,071,465
FREEZING APPARATUS
Joseph Huber, Freising, Germany
Application May 2, 1933, Serial No. 668,925
In Germany May 17, 1932
11 Claims. (Cl. 62—105)



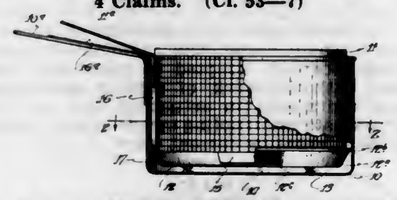
1. An apparatus for freezing liquid comprising a substantially cone-shaped freezing cell having a wide and a narrow end both ends being open, cooling means adjacent to and around said cell, a tank for storing the liquid to be frozen attached to one end of said cell and adapted to permit the liquid to permanently communicate freely between said tank and said cell, and means adjacent to said narrow end of said cell adapted to push the frozen liquid towards said wide end of said cone-shaped freezing cell, whereby a continuous block of frozen liquid emerges from said cell as fast as the liquid is frozen within said cell.

2,071,466
RAILWAY TRUCK
Byers W. Kadel, Baltimore, Md., and Donald S. Barrows, Rochester, N. Y., assignors to The Symington-Gould Corporation, a corporation of Maryland
Application December 28, 1931, Serial No. 583,530
10 Claims. (Cl. 105—197.1)



3. In a railway vehicle, the combination of a side frame having tension and compression members, spaced struts integrally connecting said tension and compression members and forming a window, said tension member forming a spring housing enclosing seats disposed longitudinally of the frame and with their centers spaced apart a distance greater than that between the surfaces of said struts nearest to one another, said tension member carrying a seat intermediate and above said spaced seats, and a load-carrying member supported on said side frame by coil springs supported on said spaced seats, and leaf springs supported on said intermediate seat.

2,071,467
GREASE FILTER
Theodore P. Kouvallis, Chicago, Ill., assignor of one-half to Harry H. Sellas, Chicago, Ill.
Application June 17, 1936, Serial No. 85,799
4 Claims. (Cl. 53—7)

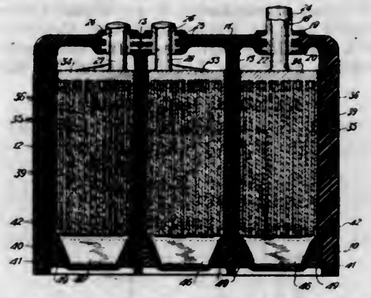


1. A grease filter for frying vessels comprising a tray adapted to be deposited in the vessel in spaced relation to the bottom thereof, the tray being dished and with a perforation in its side wall, and a flange depending from the rim of the tray in spaced relation to the inner side of said side wall and opposite the perforated portion thereof.

2,071,468
MANUFACTURE OF PERYLENE
Friedrich Kuhrmann, Dessau in Anhalt, and Paul Nawiasky and Otto Grosskinsky, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 17, 1934, Serial No. 748,760. In Germany November 2, 1933
6 Claims. (Cl. 260—168)

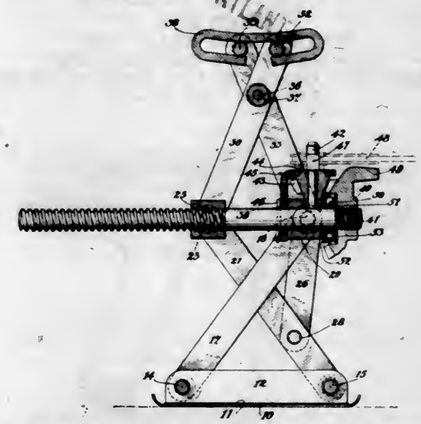
1. The process for manufacturing perylene which consists in heating a dinaphthyl with anhydrous aluminium chloride in the presence of an alkali metal chloride whilst admixing an oxidizing agent.

2,071,469
STORAGE BATTERY
Henry W. Lormor, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application December 13, 1932, Serial No. 646,950
23 Claims. (Cl. 136—166)



1. In a storage battery of the lead-acid type, a container which when the battery is in its operative position comprises a cell compartment having integral top and side walls, said top having a vent opening therein, a battery element in said cell, and an imperforate bottom closure for the said compartment set into the lower end of the same above the bottom edges of the walls thereof, said closure being adapted to support the battery element and means for sealing the joints between the closure and the cell walls.

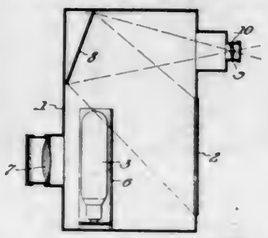
2,071,470
AUTOMOBILE JACK
Harold J. Marlowe, New Rochelle, N. Y., assignor to Jackomatic Corporation, a corporation of Delaware
Application April 18, 1933, Serial No. 666,645
7 Claims. (Cl. 254—126)



1. In a lifting device, two oppositely disposed blocks, a base positioned below said blocks, a supporting member positioned above said blocks, a plurality of pairs of crossing links associated with said base and said blocks, a plurality of pairs of crossing links associated with said supporting member and said blocks, a rotatable spindle associated with said blocks which when rotated in one direction draws said blocks together to raise said supporting member and when rotated in the opposite direction forces said blocks apart to lower said supporting member, a main

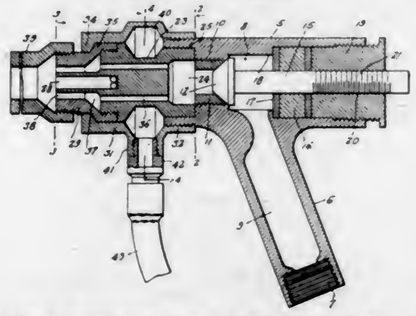
drive gear mounted on said spindle and means for applying a plurality of driving forces which are at an angle to one another to said gear.

2,071,471
DEVICE FOR INDICATING THE TEMPERATURE DISTRIBUTION OF HOT BODIES
Paul Neubert, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application February 2, 1933, Serial No. 654,952
In Germany February 8, 1932
2 Claims. (Cl. 88—14)



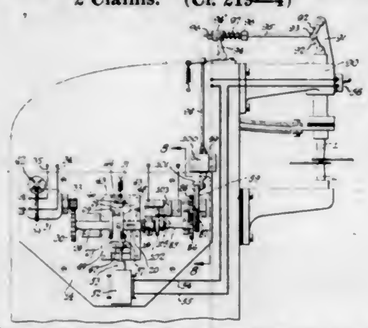
1. Process of determining temperature distribution over the surface of a solid body having temperatures ranging from about 300° to about 500° C., which comprises exciting a phosphorescent screen by directing thereon blue or ultra violet radiation until the screen glows, optically collecting infra red radiation from the hot body and projecting the same to form a real image of the surface of the body on said excited phosphorescent screen for a sufficiently extended period to extinguish phosphorescence in areas of the screen approximately proportionally to the temperature distribution in the hot body, thus producing on the screen a dark image, of substantial size, of the hot body against a glowing background, and observing the resulting image.

2,071,472
WATER-SAND BLAST GUN
Clarence Pletcher, Buchanan, Mich.
Application October 26, 1936, Serial No. 107,704
5 Claims. (Cl. 51—11)



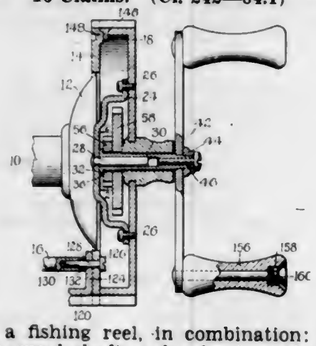
1. In a sand blast gun, a barrel provided with a chamber and a handle for the barrel having a water passage therethrough for supplying water to said chamber, a body member mounted on one end of the gun and provided at one end with a socket and a relatively opposite end with a hollow tubular extension providing a discharge passage, and a circular series of relatively spaced passages extending through said body from the socket end thereof, a valve arranged in the barrel between said water chamber and the socket end of said body and controlling the passage of water from said chamber into said socket, the water passing from said socket through said series of passages to create a suction at the open end of said tubular extension, a nipple sleeved on the tubular extension of said body member and provided with a chamber and a circular series of relatively spaced passages leading from said chamber longitudinally through said nipple circumjacent the tubular extension, a member surrounding said body and providing therewith a sand chamber and also having an inlet for said sand chamber, and said member being provided with diagonal passages connecting the sand chamber with said tubular extension whereby the sand will be drawn from said sand chamber through said diagonal passages and into said tubular extension to discharge therefrom within the confines of the stream of water issuing from the nipple through the aforementioned passages in said nipple.

2,071,473
SWITCH ACTUATING DEVICE FOR ELECTRIC WELDING MACHINES
Henry W. Roth, Detroit, Mich.
Application June 3, 1932, Serial No. 615,203
2 Claims. (Cl. 219—4)



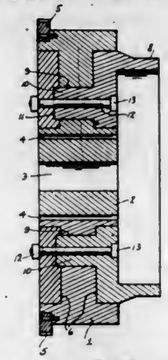
2. In a spot welder for operating on an alternating current circuit, the combination with a movable electrode adapted to make and break contact with the work, of current interrupting means, and means for actuating both said electrode and said interrupting means in synchronism with the alternating current wave.

2,071,474
FISHING REEL
John V. Schafer, Bronson, Mich., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan
Application February 4, 1935, Serial No. 4,730
16 Claims. (Cl. 242—84.1)



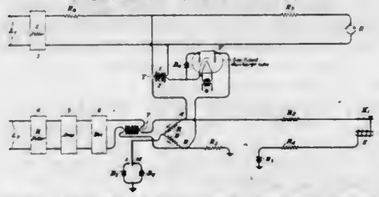
1. In a fishing reel, in combination: a drive shaft; a spool shaft and a level wind shaft on spaced parallel axes; gearing on said shafts for driving said spool shaft and level wind shaft from said drive shaft; each shaft having a non-circular portion engaging its gear; each gear fitting the non-circular portion with sufficient looseness to permit variations in alignment not less than those caused by variation in the intermeshing engagement of the gear teeth.

2,071,475
COUPLING FOR A FLYWHEEL
Emil A. Sigg, Sherwood, Ohio
Application April 9, 1936, Serial No. 73,522
2 Claims. (Cl. 64—27)



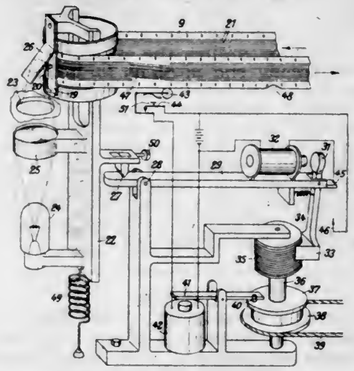
1. A coupling for a flywheel of the class described comprising a wheel member having annular channels in opposite sides thereof and further having arcuate slots therein establishing communication between the channels, a ring rotatably mounted in one of the channels, said ring having a plurality of sockets in its inner face, a clutch member rotatably mounted in the other channel, lugs integral with the clutch member and operable in the slots, the free end portions of said lugs being engaged in the sockets, bolts extending between the ring and the clutch member for rotatably securing said ring and clutch member in the channels, and resilient elements mounted in the slots on opposite sides of the lugs for yieldingly resisting relative rotary movement between the wheel member and the clutch member.

2,071,476
TELEGRAPH SYSTEM
Vaughn Penfold Thorp, River Edge, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 15, 1935, Serial No. 11,349
4 Claims. (Cl. 178—66)



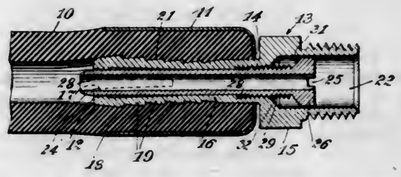
4. A telegraph system comprising a transmitting circuit and a receiving circuit terminating at a station and a subscriber's loop circuit, said loop circuit being of the balanced loop type and comprising two equal resistance arms, transmitting apparatus in circuit with one of said arms, means controlled by the operation of said transmitting apparatus for reversing the polarity relationship between opposite ends of said resistance arms, a gas filled discharge tube so connected to opposite ends of said resistance arms that its operation and release may be controlled by the polarity relationship between opposite ends of said resistance arms, a generator of carrier frequency signals connected to said sending circuit, an impedance shunted across said sending circuit, and means controlled by said tube for varying said impedance.

2,071,477
APPARATUS FOR RECORDING SOUND ON OR REPRODUCING FROM AN ENDLESS BAND OF FILM
Dénes von Mihaly, Berlin-Wilmersdorf, Germany, assignor to the firm Julius Pintsch Aktiengesellschaft, Berlin, Germany
Application March 21, 1935, Serial No. 12,322
In Germany March 21, 1934
14 Claims. (Cl. 179—100.3)



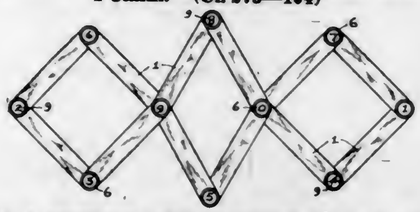
1. In apparatus for recording sound on or reproducing sound from an endless band of film having a plurality of photographic sound tracks running substantially in parallel to the edges of the film, means for directing a narrow light beam on the film, means for driving the film in lengthwise direction, and means for causing intermittent relative movements between the film and the light beam in a direction transversely of the film at a constant speed proportional to the speed of the lengthwise movement of the film at each complete passage of the endless band past the light beam.

2,071,478
HOSE COUPLING
Ross H. Wick, Woodhaven, N. Y.
Application July 11, 1936, Serial No. 90,053
5 Claims. (Cl. 285—84)



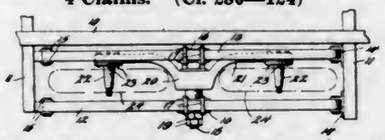
1. In a hose coupling, an expansible member having a slotted end, a thrust member adapted to expand the slotted end, and a screw thread on the expansible member on which the thrust member turns to expand the slotted end.

2,071,479
GAME TOY
Matilda A. Williamson and Matthew W. Svetlic, Pittsburgh, Pa.
Application January 21, 1935, Serial No. 2,730
1 Claim. (Cl. 273—104)



In a game toy, the combination of a plurality of pins, each of said pins having identifying indicia and being provided with a pocket in the lower end thereof, an internally threaded bushing secured in each of said pockets, a plurality of supporting bars, the end portions of each adjacent pair of supporting bars overlapping each other and being provided with apertures, screw bolts extending through the apertures in respective overlapping end portions for pivotally connecting the latter together, said screw bolts being threadedly engaged in respective bushings for securing said pins in the vertical position on said supporting bars, bottom washers mounted on said screw bolts to provide seats for said overlapping end portions, and top washers threadedly engaged on said screw bolts between said bushings and said overlapping end portions for adjusting the pivotal connection of the latter.

2,071,480
VEHICLE SUSPENSION MECHANISM
Allison R. Williams, Chevy Chase, Md.
Application September 11, 1933, Serial No. 688,994
4 Claims. (Cl. 280—124)



1. In a vehicle suspension mechanism, a frame member, two longitudinally spaced parallel stub axles having wheels rotatably mounted thereon respectively, an independent pivot having its axis parallel to the axes of the stub axles, said pivot being relatively short and being unconnected to any similar pivot save through the vehicle frame, a rigid element mounted on the pivot for rocking movement in a plane transverse to the stub axles, the stub axles being rigidly fixed on said element, and laterally spaced longitudinally extending springs attached to and connecting the pivot and frame member.

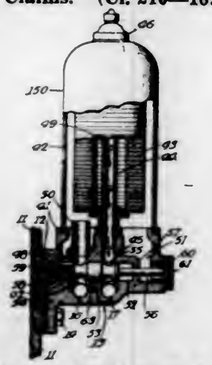
2,071,481
DYED LUBRICATING OIL
Carl Winning and Stewart C. Fulton, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 16, 1931, Serial No. 575,461
1 Claim. (Cl. 196—151)

A lubricating oil containing a pour point depressant and bloom agent prepared by distilling cracked petroleum residue to remove the oily constituents therefrom, extracting the distilled residue with a solvent in which asphaltenes are substantially insoluble, subjecting the extract containing the solvent to acid treatment, neutralizing the acid treated solvent extract and distilling off the solvent to form the pour point depressant and bloom agent.

2,071,482
ANTIFREEZE
Carl Winning, Elizabeth, and John B. Holtzclaw, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 31, 1934, Serial No. 709,114
2 Claims. (Cl. 252—5)

1. An anti-freeze mixture for use in radiators of automobiles, comprising glycerine, alcohol, water, urea, flaxseed, tertiary butyl phenol, sodium carbonate and a dye.

2,071,483
FILTER
Charles A. Winslow, Oakland, Calif.
Application July 17, 1933, Serial No. 680,735
2 Claims. (Cl. 210—165)

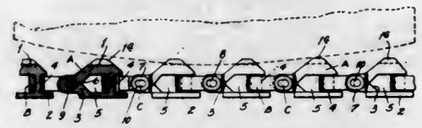


1. In mechanism for filtering a fluid for use in an internal combustion engine, a plurality of filtering units, a common base for said units, means for attaching said base to an engine, common intake and discharge passages for said units, a sump within the lower portion of each unit, a passage from each sump to the exterior of said unit, means comprising a spring-pressed plunger for selectively simultaneously opening certain of said last-named passages and for intercepting the flow of said fluid to and from certain of said units to the exclusion of the remainder, and a closure for said sump engaging said plunger for holding the same in retracted position, whereby when said closure is removed said plunger will automatically close the intake and discharge passages to the corresponding filter and the oil within said filter may drain from said sump, thus permitting said filter to be cleaned without affecting the operation of the remaining filter.

2,071,484
INSECT REPELLENT AND EXTERMINATOR
George G. Wittwer, Chappaqua, and Mahlon H. Beakes, Larchmont, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 6, 1933, Serial No. 664,770
18 Claims. (Cl. 167—24)

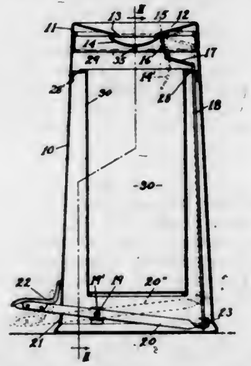
5. An insecticidal composition comprising a diaryl substituted guanidine, pyrethrum extract, and a fatty acid, in solution in a non-aqueous solvent.

2,071,485
CONVEYER AND CHAIN THEREFOR
Roy R. Worrall, Webster Groves, Mo., assignor to Alvey Conveyor Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application March 4, 1935, Serial No. 9,173
9 Claims. (Cl. 198—189)



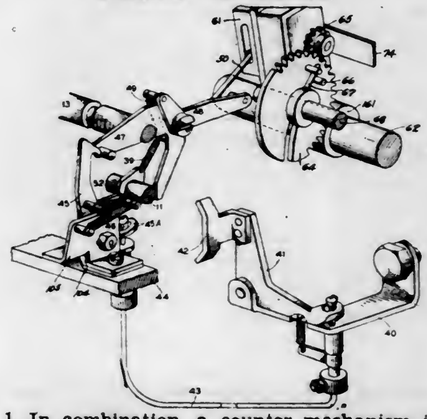
7. A conveyer chain for articles having transversely and longitudinally convex surfaces comprising rigid main links and rigid links connecting said main links for pivotal movement about a vertical axis, each of said main links having a top portion with upwardly extending horns along the sides thereof, said main links being spaced apart longitudinally of said chain whereby the opposing ends of the horns of the adjacent main links are adapted to afford vertical support for the article at four points thereof clear of the body portion of said chain with the center of gravity located between such points, one pair of said points being on one main link and the other pair being on the other main adjacent link, whereby relative self-adjustment of said pairs of points are permitted by said pivotal connection to stabilize seating of the article on said points.

2,071,486
SANITARY CONTAINER
John S. Wright, Wichita, Kans.
Application April 24, 1934, Serial No. 722,057
3 Claims. (Cl. 220—36)



1. In sanitary containers, the combination of an outer stationary housing and an inner removable container supported on parts integral with said housing, a detachable cover element for said housing having a depressed funnel shaped section and a port at the center thereof and a closure element for said port hinged below the funnel shaped section of the cover; and a vertically positioned rod arranged intermediate the container and the housing, a pedal element arranged below the removable container and being pivotally mounted within the housing; one end of said rod detachably engaging said closure element for actuating said closure element and the other end of said rod engaging the foot pedal element in such a manner that the rod may be revolved and set at fixed positions.

2,071,487
PRINTING AND COUNTING SORTER
Johannes Zennig and Paul Becker, Berlin, Germany, assignors to Accounting and Tubulating Machine Corporation, New York, N. Y., a corporation of Delaware
Application November 28, 1931, Serial No. 577,803
In Germany November 28, 1930
8 Claims. (Cl. 235—91)

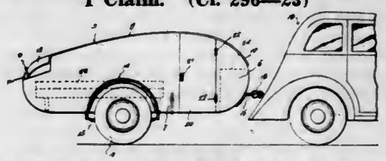


1. In combination, a counter mechanism including an actuating rod therefor, an operating lever for the actuating rod, a shaft on which said lever is pivotally mounted, a hook member adapted to engage one end of said lever, means for causing the engagement of said hook and said lever, and means for reciprocating said shaft whereby said lever is rocked to operate said actuating rod when said hook and said lever are in engagement.

2,071,488
ANTIFREEZE LUBRICATING GREASE
John C. Zimmer, Elizabeth, N. J., and Arnold J. Morway, Jackson Heights, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 26, 1934, Serial No. 745,524
5 Claims. (Cl. 87—9)

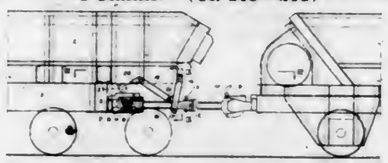
1. An anti-freeze lubricating grease comprising a sett grease, a wetting agent and from 20 to 35% of an anti-freeze salt.

2,071,489
TRAILER
Harry J. Alvord, Phoenix, Ariz.
Application February 29, 1936, Serial No. 66,483
1 Claim. (Cl. 296—23)



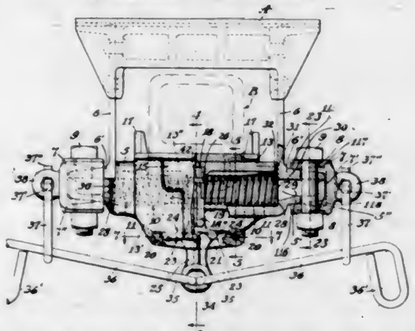
A trailer comprising an elongated body provided with wheels and open at its top side, a movable top for the body, said top being hingedly connected at one end to one end of the body and being elevatable at its opposite end, and depending wing members on the said top adjacent the hinged end thereof for engaging the sides of the body and serving as a guide for the top.

2,071,490
COUPLING MECHANISM
John P. Anderson, Koppel, Pa., assignor to Koppel Industrial Car and Equipment Company, Koppel, Pa., a corporation of Pennsylvania
Application August 22, 1933, Serial No. 686,229
4 Claims. (Cl. 105—261)



1. In a dump vehicle including an underframe, a body supported thereon with one end overhanging the underframe and a pivotal connection between the body and underframe, a drawbar and buffing member pivotally mounted on the underframe, a support depending from the overhanging end of the body engaging beneath the drawbar adjacent the outer end thereof, and a member pivotally mounted on the underframe and said depending support.

2,071,491
CENTRALIZING AND CONTROLLING MECHANISM FOR CAR COUPLERS
Arthur J. Bazeley, Shaker Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application June 27, 1934, Serial No. 732,617
44 Claims. (Cl. 213—17)

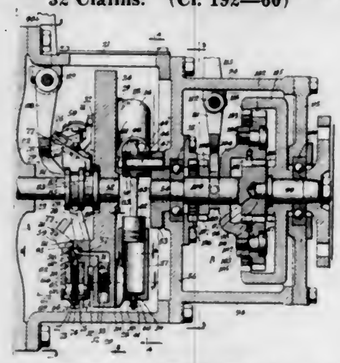


39. In apparatus for controlling the lateral displacement of a railway car coupler, a laterally-displaceable coupler support, means responsive to lateral movement of said support from a normal central position for opposing said movement and restoring said support to said position, means comprising a movable element for disabling the first mentioned means, and manually operable means mounted on said support and adapted by a continucus movement thereof in one direction to first actuate said disabling element and then displace said support.

2,071,492
DYE PROCESS
Spencer U. Boehmer, Lombard, Ill.
No Drawing. Application April 29, 1935, Serial No. 18,880
4 Claims. (Cl. 8—6)

1. A process of producing a homogeneous dry mixture of two or more dyestuffs which consists in dissolving the dyestuffs in a suitable solvent, and spraying said solution under a pressure of between 500 and 5,000 pounds per square inch, into a stream of heated air, to produce a dry homogeneous mixture of said dyestuffs by removal of the solvent therefrom.

2,071,493
FLUID POWER TRANSMISSION
William C. Braden, Brooklyn, N. Y., assignor of one-half to Thomas S. Pates, Brooklyn, N. Y.
Application June 29, 1933, Serial No. 678,129
32 Claims. (Cl. 192—60)

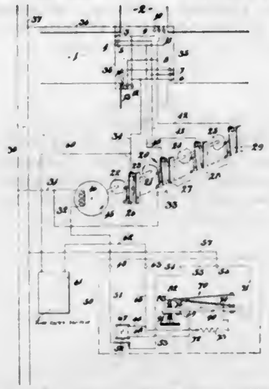


1. In combination, a fluid chamber, a driving shaft having an end thereof within said chamber, a driven shaft having an end thereof within said chamber and in axial alinement with said first shaft, a driving pin eccentrically mounted upon said driven shaft, a disc secured upon said driving shaft near the end thereof and rotatable therewith, a plurality of pumping cylinders pivotally mounted on said disk for rotation therewith and having pistons and connecting rods, said connecting rods being pivoted in common upon said driving pin, a fluid pressure chamber adapted to receive fluid from said pumping cylinders when there is relative rotation between the shafts, and adjustable centrifugal means for controlling the escape of fluid from said pressure chamber actuated by the speed of rotation of said driving shaft.

2,071,494
TRAFFIC SIGNALING SYSTEM
Herbert J. Brandenburger, St. Louis, Mo., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application February 14, 1931, Serial No. 515,722
Renewed October 24, 1934
4 Claims. (Cl. 177—337)

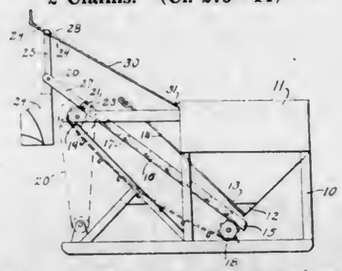
1. The combination of a cycle timer having a plurality of switches operated successively in periods thereby, an electric motor for actuating the timer having driving coils, a motor feed circuit in which the driving coils are connected, the motor feed circuit having a normally closed switch therein, an electro-magnet for opening said switch, a motor stopping circuit in which the magnet is connected, the motor stopping circuit being connected in circuit with one of the switches of the timer and operable upon operation of said one switch to stop the motor to prolong its corresponding period, a normally closed switch in series with the electro-magnet and electrically operated timed means connected in the motor stopping circuit for opening the last mentioned normally closed switch after a predetermined time and thereby cutting out the electro-magnet and permitting the switch in the motor circuit to close, start the motor and actuate the cycle timer

to break the circuit through said one of the said switches of the timer; with signals and electric



circuits therefor controlled respectively by the switches of the timer.

2,071,495
SAND SPREADER
Herman Brunner, Waterford, Wis.
Application September 3, 1935, Serial No. 38,874
2 Claims. (Cl. 275—14)



1. In a device for spreading loose materials the combination of a fixed deflector having a pair of divergent surfaces, a hopper having an outlet, means for regulating the discharge through said outlet, an endless chain conveyor disposed to receive materials directly from said outlet to carry same upward and away from said outlet and to throw same forcibly outward against said deflector surfaces to thereby spread same in opposite directions, and means for adjusting said deflector toward and from said conveyor to regulate the spreading action thereof.

2,071,496
HIGHER AROMATIC KETO FATTY ACIDS AND PROCESS OF PRODUCING SAME
Herman A. Bruson, Philadelphia, Pa., Jack D. Robinson, Buffalo, N. Y., and Otto Stein, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application May 11, 1934, Serial No. 725,072
13 Claims. (Cl. 260—108)

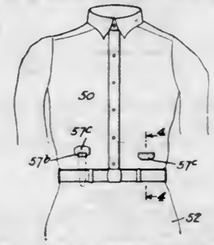
1. The process comprising reacting on a nuclear alkylated aromatic hydrocarbon having more than four carbon atoms in an alkyl group, with the anhydride of an aliphatic dicarboxylic acid in the presence of anhydrous aluminum chloride.

6. An acid of the formula

$$R—CO—(C_nH_{2n-y})—COOH$$

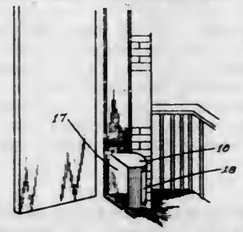
obtainable by the Friedel-Crafts condensation of an aliphatic dicarboxylic acid anhydride containing from 4 to 10 carbon atoms inclusive with an aromatic hydrocarbon containing a nuclear alkyl group of more than 4 carbon atoms.

2,071,497
APPAREL
Marius Caridis, Los Angeles, Calif.
Application July 29, 1935, Serial No. 33,777
2 Claims. (Cl. 2—117)



1. A shirt having its front portion adjacent to the waist line provided with alined slits; closure flaps for said slits; said flaps each comprising a piece of material folded upon itself to provide a narrow portion disposed above the slit and a portion of a size to extend downwardly over the slit to conceal the latter; and tabs having upper ends secured with the narrow portions of the flaps to the shirt above the slits, each tab being formed to enable it to be threaded through its complementary slit from a position outside the shirt to a position inside of the shirt and being of a length to dispose its lower end at the waist band of a nether garment and formed for attachment to said garment at the waist band thereof.

2,071,498
MILK BOTTLE HOLDER AND THE LIKE
Alphonse Chalifoux, Montreal, Qucbec, Canada
Application October 24, 1935, Serial No. 46,558
3 Claims. (Cl. 232—42)

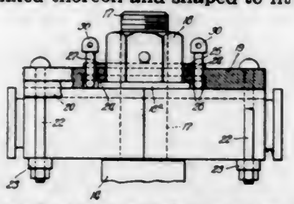


1. In a locker for milk bottles and other articles, a container having spaced openings, a closure for one of said openings having bent-in portions pivotably mounted to said containers, spring means urging said closure to its closed position, a hinged platform for the bottles within said container, spring means urging said platform to a normally raised position, means determining the raised position of said platform, and means on said platform co-operating with one of said bent-in portions of said closure and locking the same when in its closed position when said platform is lowered by the weight of the bottles.

2,071,499
LOCKING DEVICE FOR CRANE HOOKS
Karl Clodfelter, Blue Island, Ill.
Application April 11, 1936, Serial No. 73,927
4 Claims. (Cl. 294—82)

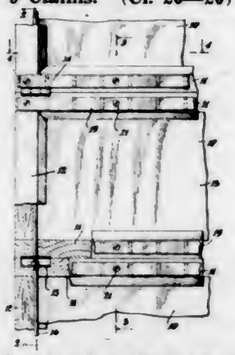
1. The combination with a hook block, of a saddle fitted thereover and clamped thereto, a

disc having an annular flange underlying a portion of said saddle, said disc having a noncircular axial opening, a hook shank having a head portion fixed thereon and shaped to fit said axial



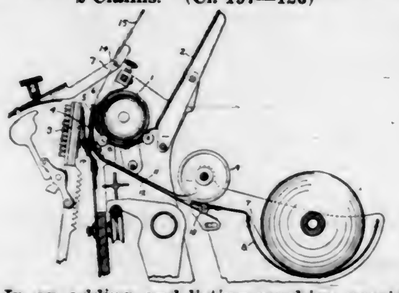
opening, said saddle and flange having registering openings, and a pin adapted to enter said openings to prevent relative rotation between said hook and block.

2,071,500
OVERHEAD ACTING DOOR
Milton L. Cornell, New York, N. Y., and Melvin I. Herold, Stamford, Conn., assignors to Cornell Iron Works, Inc., Long Island City, N. Y., a corporation of New York
Application April 26, 1935, Serial No. 18,387
9 Claims. (Cl. 20—20)



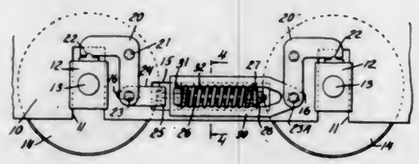
1. An overhead acting door comprising a plurality of superposed wooden sections, each section having wooden rails and stiles, vertically alined hinges connecting the upper rail of one section with the lower rail of the next superposed section, and metallic tension members connecting said hinges and taking vertical tensile strains in said door.

2,071,501
ADDING AND LISTING MACHINE
Loring Pickering Crosman, Maplewood, N. J., assignor to Gardner Company, Orange, N. J., a corporation of Delaware
Application June 19, 1936, Serial No. 86,071
2 Claims. (Cl. 197—126)



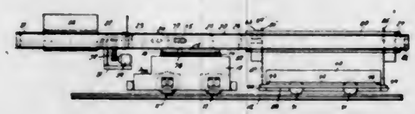
1. In an adding and listing machine provided with a platen and two parallel, spaced printing ribbons; a roll paper feeding device comprising a guide plate adapted to direct the paper strip between said ribbons, and an adjustable plate adapted to deflect the strip to pass the same between the ribbons and the platen.

2,071,502
WHEEL MOUNTING
William T. Dalton, Ansted, W. Va., assignor to The Gauley Mountain Coal Company, Ansted, W. Va., a corporation of West Virginia
Application April 13, 1935, Serial No. 16,149
3 Claims. (Cl. 105—194)



1. A car body comprising side plates, each having two spaced portions cut away to form vertical guides, journal boxes movable in said guides, bell crank levers pivotally supported on the car body, one arm of each bell crank lever engaging one of the journal boxes, a spring interposed between the other arms of said levers on one side of the car body, and a spring interposed between the car body and each of the other arms of said levers on the opposite side.

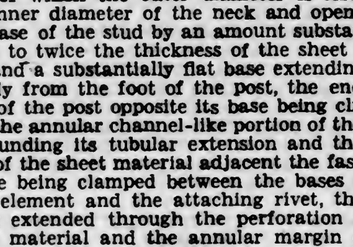
2,071,503
CAR DUMPER
William T. Dalton, Ansted, W. Va., assignor to The Gauley Mountain Coal Company, Ansted, W. Va., a corporation of West Virginia
Application April 29, 1935, Serial No. 18,717
17 Claims. (Cl. 214—98)



1. A vehicle, a main frame thereon overhanging and extending beyond the vehicle, a vertical pivotal support for said frame, a secondary frame constructed and arranged to receive a receptacle, a horizontal pivotal support for the secondary frame on said main frame, and hoisting mechanism on the secondary frame arranged to hoist a receptacle into engagement with the secondary frame.

2,071,504
APPARATUS FOR FILLING CANS AND THE LIKE
Frank L. Darling, Teaneck, N. J., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., a corporation of New York
Application May 17, 1935, Serial No. 22,049
Renewed July 16, 1936
6 Claims. (Cl. 226—71)

1. In apparatus for filling cans, a turntable, means to turn it, a can chuck rotatably mounted on said turntable, a funnel carrier rotating with the turntable, means to rotate said chuck as the



turntable turns, and means to enter and withdraw the funnel's spout into and from the can.

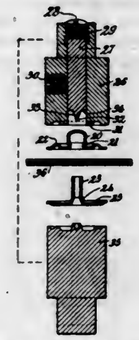
2,071,505
FASTENER
Joseph W. Dews, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application April 29, 1935, Serial No. 18,824
1 Claim. (Cl. 24—219)



A fastening device for sheet material comprising a stud element and a hollow attaching rivet telescoped one within the other with a perforated portion of the sheet material between them, the stud element consisting of a dome-like head having a centrally disposed opening in its top, a substantially tubular inwardly extending portion surrounding the opening, a substantially flat base having an opening of greater diameter than the outer diameter of the tubular extension in the head and a neck of less diameter than the head connecting the outer periphery of the head with the portion of the base immediately surrounding its opening; and the attaching rivet consisting of an open-ended hollow post of which the inner diameter is approximately equal to the outer diameter of the tubular extension of the head and of which the outer diameter is less than the inner diameter of the neck and opening in the base of the stud by an amount substantially equal to twice the thickness of the sheet material and a substantially flat base extending outwardly from the foot of the post, the end portion of the post opposite its base being clinched into the annular channel-like portion of the head surrounding its tubular extension and the portion of the sheet material adjacent the fastening device being clamped between the bases of the stud element and the attaching rivet, the post being extended through the perforation in the sheet material and the annular margin of the material at the perforation being spaced from the annular zone of clinching contact between the end portion of the post and the head of the stud.

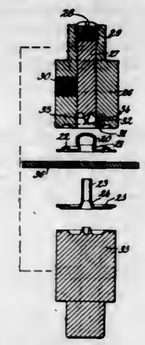
2,071,506
TOOL FOR APPLYING FASTENERS
Joseph W. Dews, Waterbury, Conn., assignor to Scovill Manufacturing Company, a corporation of Connecticut
Original application April 29, 1935, Serial No. 18,824. Divided and this application May 13, 1936, Serial No. 79,538
7 Claims. (Cl. 218—6)

1. A tool for attaching a stud fastener to an underlying sheet of material comprising a body having marginal portions adapted to serve as an anvil for the flanged part of a stud, and a centrally located recess having cylindrical side walls adapted to receive the head of the stud;



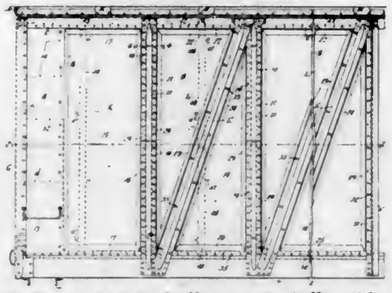
and support the side walls of such head, and a conical mandrel having a pointed end disposed within said recess and adapted to pierce the head of such stud.

2,071,507
METHOD OF APPLYING FASTENERS TO SHEET LIKE MATERIAL
Joseph W. Dews, Waterbury, Conn., assignor to Scovill Manufacturing Company, a corporation of Connecticut
Original application April 29, 1935, Serial No. 18,824. Divided and this application May 13, 1936, Serial No. 79,539
3 Claims. (Cl. 218—29)



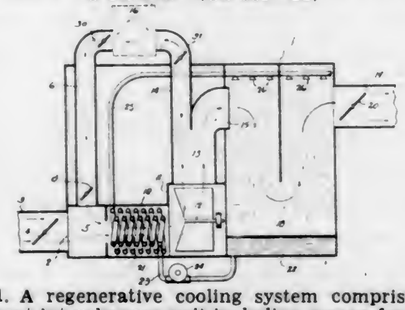
1. The method of securing a pair of fastener elements, of dimensions and forms such that they may be loosely telescoped one within the other, to elastic sheet material, which consists in inserting one element in the opening in the other with the elastic material between them, thus causing the material overlying and closely surrounding the end of the inserted element to be stretched and forced into the other, puncturing the stretched elastic material underlying the exposed end of the outer element so as to permit the part surrounding the puncture to be drawn back away from the inserted end of the inner element towards the plane of the surrounding body portion of the sheet material, and securing the two fastener elements together by pressing them towards each other in an axial direction between a pair of anvils so as to thrust the inserted element further into the outer element and thus cause the inserted end to be rolled into a clinching engagement therewith.

2,071,508
HOUSE CAR
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application October 25, 1933, Serial No. 695,066
9 Claims. (Cl. 105—409)



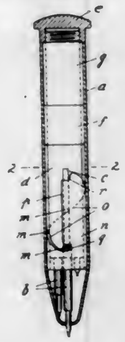
9. A house car including: a metallic side sill; a metallic side plate having a depending flange; metallic side posts; said posts being secured at their top and bottom ends to the outer face of said side plate flange and to the side sill respectively, said posts each having flanges extending lengthwise thereof; sheet metal side wall sheathing secured to the inner faces of said flanges of the posts, said metallic sheathing in the spaces defined by the posts, side plate and side sill being outwardly offset, said offset portions being united to those portions of the sheathing secured to the inner faces of said post flanges by continuous outwardly inclined sections paralleling and disposed immediately adjacent said flanges of the posts and side plate, a wooden lining extending between said posts, means for fastening said lining in position against said posts whereby perforation of the sheathing from nails driven from the inside of the lining is minimized.

2,071,509
COOLING SYSTEM
William Lyle Dudley, Seattle, Wash.
Application May 13, 1935, Serial No. 21,229
3 Claims. (Cl. 261—11)



1. A regenerative cooling system comprising, a heat interchanger unit including means for effecting a continuous recirculation of a cooling liquid therethrough and means for effecting atomization of the liquid at one point in its path of circulation, means for causing inflow of a stream of outside air through the heat interchanger for cooling thereby, and means for dividing the stream of air after passing the heat interchanger and for directing one portion of the cooled air through the atomized liquid and the other part through an area to be cooled, and back into the air stream inflowing to the heat interchanger.

2,071,510
SELECTIVE MAGAZINE PENCIL
Wilhelm Dürrler, Pforzheim, Germany
Application May 25, 1936, Serial No. 81,694
In Germany May 31, 1935
4 Claims. (Cl. 120—14)



1. A selective magazine pencil, comprising in combination an outer case, a set of parallel guide tubes in said case each tube having a longitudinal guide slot, a plurality of lead holders one longitudinally slidable in each of said tubes, a spiral cam element with a single turn rotatable in said case and concentrically surrounding said set of guide tubes, said cam element having a cam face ascending towards the rear end of the pencil with a drop edge at its end leading to the beginning point, guide pins one on the rear end of each of said lead holders and each projecting through the slot in its guide tube and bearing against said cam face, and springs one in each of said tubes and adapted to automatically press said holders into operative position as the guide pins reach the drop edge of said cam element.

2,071,511
ENTERIC COATING
Frank R. Eldred, Mount Tabor, N. J., assignor to Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application October 1, 1934, Serial No. 746,414
6 Claims. (Cl. 167—82)

4. An enteric coating for pills, tablets or the like, consisting of abietic acid, an ester of abietic acid, oleic acid and benzoic acid in approximately the proportions of 10 lbs. of abietic acid to 3 ounces of methyl abietate, 1 pint of oleic acid and 12 ounces of benzoic acid.

2,071,512
WASHING AND CLEANSING COMPOSITION
Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 12, 1933, Serial No. 670,752
6 Claims. (Cl. 87—5)

5. A cleansing material substantially free of fatty acid soaps comprising water-soluble mineral-oil acid sludge sulphonates and an alkali salt of an alcohol sulphate detergent, the latter being characterized by consisting of a sulphuric acid group and a hydrocarbon group containing at least 16 carbon atoms and having a poor solubility in water, the proportion of water-soluble mineral-oil sludge sulphonates being sufficient to increase the solubility of the latescent detergent in water.

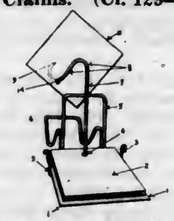
6. Method of increasing the solubility of an alkali salt of an alcohol sulphate detergent in water, said detergent being characterized by consisting of a sulphuric acid group and a hydrocarbon radical containing at least 16 carbon atoms, which comprises incorporating with said detergent agent a substantial proportion of water-soluble mineral-oil acid sludge sulphonates.

2,071,513
PROPELLER FOR AIRCRAFT OR THE LIKE
Walter W. Everts, Baltimore, Md.
Application May 6, 1936, Serial No. 78,248
8 Claims. (Cl. 170—162)



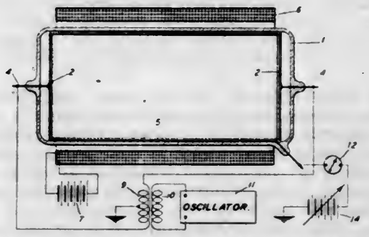
1. In a propeller for aircrafts, a rotary element, and a blade element including a blade arranged generally radially with relation to the rotary element and having a fixed pivot upon the rotary element to turn upon its longitudinal axis about the fixed pivot said blade having a trailing area which is larger than its leading area so that the resistance of the air upon the rotating blade will turn the blade upon its longitudinal turning axis to reduce its pitch, said blade element having a portion to be acted upon by centrifugal force for increasing the pitch of the blade only when the atmospheric pressure is reduced, said blade element also having parts arranged upon opposite sides of the rotary element, the last named parts being acted upon by centrifugal force to produce radial thrusts in opposite directions which neutralize each other.

2,071,514
PAD SUPPORT AND HOLDER FOR GENERAL USE
Julius Faberson, Chicago, Ill.
Application June 24, 1935, Serial No. 28,174
4 Claims. (Cl. 129—1)



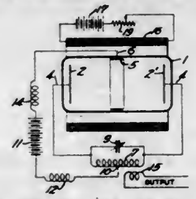
1. A pad support and holder comprising a flat top base support, a single upright pad impaling rod, the lower end of said rod being attached to the flat top of the base support midway between the sides and near one of the edges of the flat top base support, an overhanging extension of the upper portion of the upright rod, the extension being bent outwardly and downwardly to provide a suspension hook protruding outwardly from the base support.

2,071,515
ELECTRON MULTIPLYING DEVICE
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application October 7, 1933, Serial No. 692,585
60 Claims. (Cl. 178—6)



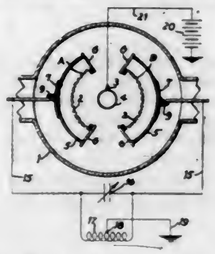
1. A device for causing a relatively small number of primary electrons to establish relatively large space currents which comprises an evacuated envelope, a pair of electrodes spaced within said envelope, means for establishing an oscillating potential between said electrodes sufficient to cause secondary emission of electrons therefrom at a ratio greater than unity, a collecting electrode positioned between said first mentioned electrodes, and means for guiding electrons between said first mentioned electrodes in a path such that the probability of the average individual electron reaching said collecting electrode is small.

2,071,516
OSCILLATION GENERATOR
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application July 5, 1934, Serial No. 733,837
27 Claims. (Cl. 250—36)



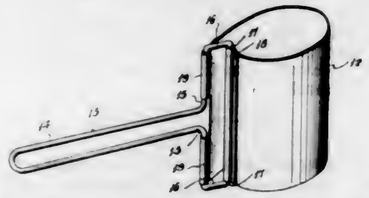
1. An oscillation generator comprising an evacuated envelope, a plurality of electrodes within said envelope including an anode and a cathode capable of emitting secondary electrons at a ratio to primary electrons greater than unity upon impact by such primary electrons, a potential source sufficient to accelerate electrons to a velocity causing emission from said cathode at said ratio, means including circuital connections between said electrodes for producing traversal and retraversal of the space between said electrodes by the secondary electrons emitted from said cathode to produce self-oscillation within said circuital connections.

2,071,517
MULTIPACTOR PHASE CONTROL
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application May 7, 1935, Serial No. 20,157
19 Claims. (Cl. 250—27)



17. The method of electron multiplication which comprises cyclically bombarding a material capable of emitting secondary electrons at a ratio greater than unity to produce an oscillating cloud of electrons augmented at each bombardment cyclically withdrawing a predetermined number of electrons from said cloud, and separately collecting the withdrawn electrons.

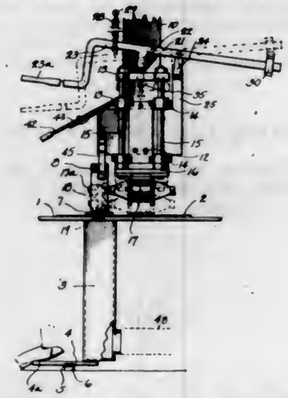
2,071,518
FRUIT JAR HOLDER
Winfred C. Fleck and Charles F. Ayle, McKee, Pennsylvania
Application February 6, 1936, Serial No. 62,709
2 Claims. (Cl. 81—3.2)



1. A device of the class described, comprising a flexible band, one end of said band having a sleeve, the other end of the band having alined sleeves and a space therebetween, a lever member having an arm engaging the first-mentioned sleeve, arms engaging the second-mentioned sleeves, and a handle extending from the last-mentioned arms at said space.

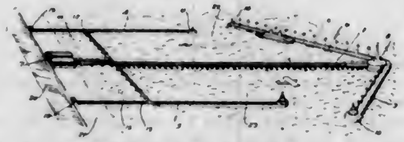
2,071,519
POCKET ROUTING MACHINE
John Gragg, Olympia, Wash.
Application April 23, 1935, Serial No. 17,781
2 Claims. (Cl. 144—2)

1. A machine for removing defects from veneer sheets comprising a horizontal table across which the veneer sheets may be passed, an abutment plate fixed above the table slightly spaced therefrom; said plate having an opening for registration therein of a defect in the veneer sheet, a support for the table, means for actuating the support upwardly thereby to clamp the sheet against movement between the table and abutment plate, a cutter mechanism located above the table and comprising a cutter head revolubly driven on a horizontal axis, a vertically guided support for said mechanism, a pivotally mounted lever operatively connected with said support, yieldable means for normally sustaining said support in a raised position at which the cutter head is held clear of the veneer sheet, a handle portion for said lever whereby it may be actuated to move the cutter mechanism downwardly thereby to



cause the cutter head to pass through the opening of the abutment plate and to rout out a pocket in the veneer sheet, and a stop bar movable into and from the path of travel of the vertically guided support to limit its travel downwardly, thereby to definitely limit the extent of travel of the cutter head into the veneer sheet.

2,071,520
SPORTS LAGOON AND OCEAN TERMINAL
Joseph Duke Harrison, Brooklyn, N. Y.
Application June 21, 1935, Serial No. 27,648
Renewed July 23, 1936
5 Claims. (Cl. 61—4)

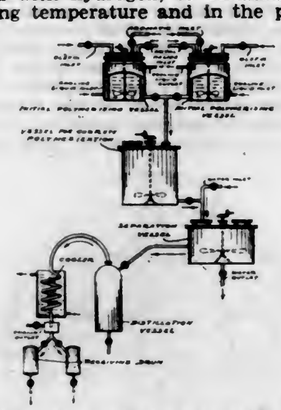


1. An artificial lagoon enclosed by a jetty on each side and a breakwater at the front connecting with a central pier and with wings of said breakwater extending out at both sides of the end of said central pier and overlapping the outer ends of said jetties thereby providing protected entrances to the lagoon.

2,071,521
PRODUCTION OF FLUORESCENCE PRODUCING SUBSTANCES SOLUBLE IN HYDROCARBON OILS
Hans Hartmann and Hans Rabe, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application August 11, 1932, Serial No. 628,365
In Germany February 3, 1930
5 Claims. (Cl. 196—78)

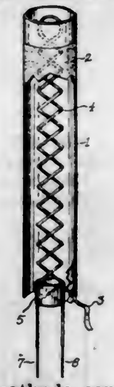
5. A process for the production of a fluorescence producing substance which is soluble in hydrocarbon oils, which comprises subjecting a mixture of a liquid olefine of purely aliphatic constitution with more than 20 per cent with reference to said olefine of a polynuclear aromatic substance in which none of the nuclei is

saturated with hydrogen, to condensation at a condensing temperature and in the presence of



at least 20% with reference to said olefine of a condensing agent of the Friedel-Crafts type.

2,071,522
THERMIONIC CATHODE
Harold Heins, Dorchester, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application November 25, 1931, Serial No. 577,234
8 Claims. (Cl. 250—27.5)



1. A thermionic cathode comprising a hollow member adapted to emit electrons, a double helix filament supported within said hollow member with both ends of said filament extending from one end of said hollow member, an insulating member supporting only a few lower turns of each helix of said filament, and an insulating coating on the remaining turns of said filament.

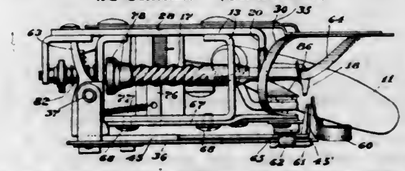
2,071,523
PREPARATION OF ARTIFICIAL RESIN COMPRESSION MIXTURES
Richard Hessen, Bautzen, Germany
No Drawing. Application March 25, 1931, Serial No. 525,332. In Germany March 27, 1930
2 Claims. (Cl. 106—22)

1. A process for preparing a consolidated compression mixture which is capable of press-moulding into shapes and hardening, and is of uniform quality and comprises an artificial resin in resol form homogeneously mixed with and impregnating a porous solid filling material, which comprises bringing together finely powdered pre-condensed resin in resol form with finely powdered porous filling material in the absence of resin solvent and thereby forming an intimate dry powdery mixture, subjecting the mixture for a short time to a high compression pressure at a high temperature and thereby uniformly liquefying the resin in the presence of the filling material so that the liquefied resin under said pressure permeates and impregnates the pores of the filler, and rapidly cooling and releasing the pressure from the material before a substantial conversion and hardening of the resol has occurred.

2,071,524
PROCESS FOR THE PRODUCTION OF LACQUERS AND LACQUER STARTING MATERIALS CONTAINING ARTIFICIAL RESINS
Richard Hessen, Bautzen, Germany
No Drawing. Application March 21, 1933, Serial No. 661,998. In Germany November 10, 1931
2 Claims. (Cl. 134—26)

1. A process for the production of lacquers and lacquer starting materials of filling lacquers free from material forming hard non-suspensible deposits and containing artificial resin, which comprises subjecting a resol resin to heat and pressure in the presence of an insoluble solid granular filling material and in the substantial absence of solvents so that the resol is plasticized and caused to penetrate into the grains of the filling material while permitting volatile constituents to escape, terminating the operation of the heat and pressure before a substantial change of the resol occurs, and dissolving the resol in a solvent therefor in order to prepare a lacquer solution having the grains of filling material distributed and suspended therein.

2,071,525
WEAVER'S KNOTTER
Frank W. Higgins, Abington, and William H. Goldsmith, Jr., Brookline, Mass.
Application May 10, 1935, Serial No. 20,760
24 Claims. (Cl. 289—3)

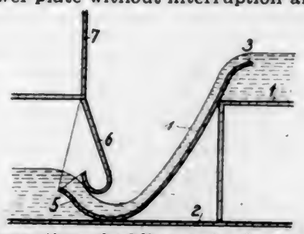


1. In a weaver's knotter, the combination with knot tying instrumentalities including means for tying together two threads and drawing up and tightening the knot, of mechanism for simultaneously severing both threads which are to be discarded at one side of said knot after the knot has been tightened.

2,071,526
OVERFLOW CONDUIT FOR RECTIFYING COLUMNS
Carl Peter Hochgesand, Solln, near Munich, Germany, assignor to Gesellschaft für Linde's Eismaschinen A. G., Munich, Germany, a corporation of Germany
Application April 5, 1935, Serial No. 14,952
In Germany May 30, 1934
2 Claims. (Cl. 261—114)

1. A liquid downtake conduit for conveying liquid from a plate of a rectifying column to the next lower plate thereof comprising a weir element at the outlet of the upper plate, a weir

element at the inlet of the lower plate, a flow guiding surface joining said weir elements shaped to provide even flow of liquid from the upper plate to the lower plate without interruption and without the formation of eddies, and a forewall member forming with said flow guiding surface a conduit of increasing cross-section from bottom to top whereby foam forming on the liquid may dissipate without disturbing the flow of the liquid.

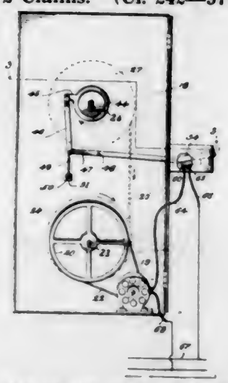


2,071,527

REWINDING DEVICE FOR MOTION PICTURE FILMS

Ralph S. Holloway, Amarillo, Tex.

Application May 4, 1935, Serial No. 19,877
2 Claims. (Cl. 242—57)



2. In a device of the class described, a winding spindle, an electric motor for actuating said winding spindle, a switch for controlling the operation of said motor including a housing, a bar pivotally mounted intermediate its ends in the housing, and having one end concaved, a mercury tube carried by said bar, terminals in the tube bridged by the mercury to close a circuit when the bar is tilted in one direction, a spring for pulling the bar over a dead center, and means for actuating the switch including a lever pivoted intermediate its length and having one end convexed and engaged in the concaved end of said bar for tilting the bar about its pivot to an adjusted position when the lever is moved.

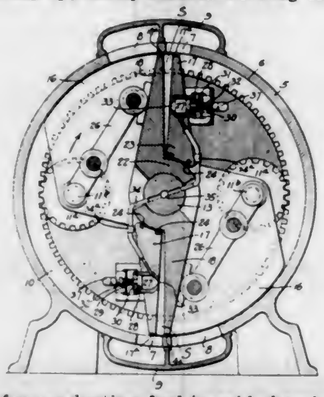
2,071,528

ROTARY MOTOR

Monte E. Hover, Culver City, Calif., assignor of one-third to Daniel D. Evans and one-third to Thomas Allen, both of Culver City, Calif.

Application October 10, 1935, Serial No. 44,436
8 Claims. (Cl. 123—11)

7. In a rotary motor, a cylindrical casing having intake and exhaust ports; a shaft journaled in the casing co-axially therewith; a rotary piston assembly including co-operable elements one of which is provided with diametrically opposed piston heads having cheek plates projecting therefrom and including alined spaced apart hubs fixed to the shaft; the other element including diametrically opposed piston heads having an intermediate hub freely mounted on the shaft between the cheek plates for co-action of the latter with the piston heads of the elements and with the internal annular surface of the casing in defining oppositely related working chambers;



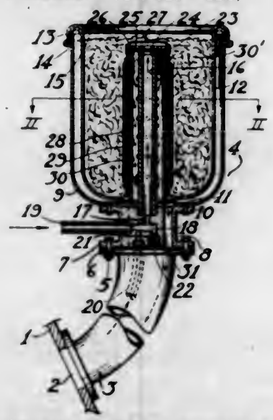
means for conducting fuel to said chambers; and means for oscillating the freely mounted element in such timed relationship to rotary motion of the shaft as to effect induction of air to said chambers through the intake ports for mixing with fuel, and expansion following ignition of the mixture so as to apply torque to the shaft and then discharge the combustion products from the chambers through the exhaust ports.

2,071,529

FILTER FOR LUBRICATING OIL

Frank A. Howard, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 8, 1932, Serial No. 597,591
7 Claims. (Cl. 210—132)



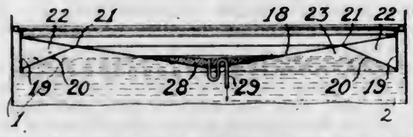
1. In combination with a receptacle, a filler pipe for the receptacle, an upstanding inlet tube in the filler pipe, a filter assembly in the filler pipe and including a shell having a top and a base and having an opening in its base surrounding and larger than the inlet tube and opening into the filler pipe, a hollow cylindrical member extending from the base around the opening into the shell and having an end terminating in spaced relation to the top of the shell, the side walls of the member being perforated, filter material in the shell surrounding the cylindrical member, a closure for the end of the cylindrical member spaced from the base, the closure bearing against the inlet tube and having an orifice communicating with the inlet tube whereby fluid flows from the inlet tube through the filter material and through the perforations of the cylindrical member to the filler pipe.

2,071,530

FLOATING DECK HAVING REENFORCED ANNULAR GAS SPACE

Frank A. Howard and Charles H. Haupt, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application July 11, 1933, Serial No. 679,859
6 Claims. (Cl. 220—26)



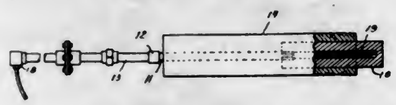
1. A floatable roof for tanks, comprising a deck, the under surface of which slopes upwardly to the periphery of the deck, an apron depending from the periphery of the deck to form an annular space with the sloping surface, a plurality of plates secured substantially radially to the sloping under surface and apron to divide the annular space transversely into downwardly opening pockets, and closures covering spaced pockets to form pontoons whereby a balanced arrangement of pontoons and downwardly opening pockets is obtained.

2,071,531

TEMPERATURE REGULATION

Philip M. Hulme, Chuquicamata, Chile, assignor to Chile Exploration Company, New York, N. Y., a corporation of New Jersey

Application June 29, 1932, Serial No. 619,869
2 Claims. (Cl. 136—4)



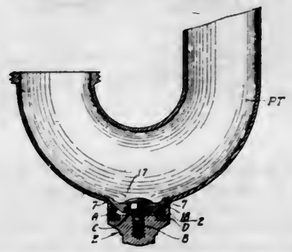
1. Apparatus for measuring the temperature of molten metal comprising a block of good heat conducting material having a recess formed in a face thereof to provide a tube having a sealed end and thick walls, a thermocouple mounted within and extending to a point adjacent to but spaced from the bottom wall of the recess in the block, a substantially straight, thin-walled pipe attached to the block in alignment with and communicating with the recess in the block, said pipe and said block forming a substantially straight continuous tubular member having one end sealed and the other end open whereby the thermocouple may be inserted through the open end into the recess in said block, means for connecting the thermocouple with a temperature indicating device and a layer of heat insulating material surrounding the block and pipe between their opposite ends, the portion of the block adjacent the bottom of the recess being exposed to permit contact of its outer surface with molten metal to be tested, and the layer of heat insulating material surrounding the pipe being capable of preventing the flow of a substantial amount of heat therethrough to the walls of the pipe.

2,071,532

WASTE PIPE TRAP PLUG

Morris J. Hyman, Philadelphia, Pa.

Application November 12, 1935, Serial No. 49,340
7 Claims. (Cl. 182—24)



1. A drain pipe trap cleanout closing device comprising an inner securing member and an outer closing member, and a threaded bolt having a square upper shank, said bolt joining said securing member and the outer closing member, said securing member having a square opening therein whereby said square shank interfits with the square opening thereby preventing said threaded member from turning relative to said securing member.

2,071,533

PROCESS OF CEMENTATION

Harry K. Ihrig, Milwaukee, Wis., assignor to Globe Steel Tubes Co., Milwaukee, Wis., a corporation of Delaware

No Drawing. Application February 28, 1935, Serial No. 8,704
29 Claims. (Cl. 148—13.1)

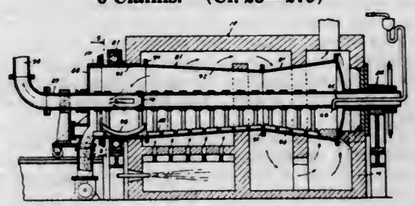
1. The process of impregnating with phosphorus by cementation a metal capable of alloying with phosphorus which consists in heating the metal under non-oxidizing conditions in contact with an oxygen compound of phosphorus, at temperatures sufficient to decompose said phosphorus compound.

2,071,534

APPARATUS FOR PRODUCING SULPHUR DIOXIDE

Harold O. C. Ingraham, Greenwich, Conn., assignor to General Chemical Company, New York, N. Y., a corporation of New York

Application August 18, 1932, Serial No. 629,329
6 Claims. (Cl. 23—279)



1. Apparatus for treating materials comprising in combination, a combustion chamber, a rotary kiln therein, said kiln including a pair of frustoconically shaped sections joined axially at their

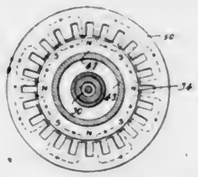
smaller ends, means for rotating the kiln, means for introducing materials to be treated, and means for discharging reaction products therefrom.

2,071,535
SEALING RING
Albert E. Jesser, Vandergrift, Pa., assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 18, 1934, Serial No. 758,046
11 Claims. (Cl. 220—61)



1. In a device of the character described, a split ring of channel form including spaced-apart flanges, a channel form lever having spaced flanges for telescoping engagement with one end of the ring, said lever being pivoted by its flanges to the flanges of said ring end for swinging movement toward and away from the ring, a pair of links having an end of each pivotally connected to a flange of the other ring end, the other end of each being pivoted to a flange of the lever, said links lying substantially flat along the ring and lever flanges without projection beyond the inner and outer peripheral contours of said ring and lever when in closed position, and means for removably securing the lever in closed position on said ring.

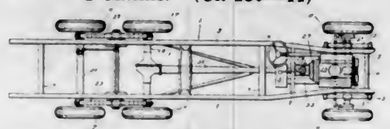
2,071,536
GENERATOR
Albert Kalin, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Original application May 28, 1932, Serial No. 614,088. Divided and this application April 22, 1933, Serial No. 667,370
10 Claims. (Cl. 171—252)



7. A generator assembly comprising in combination a stator adapted for surrounding a rotor, physical poles on the stator in equally circumferentially spaced relation relative to the periphery of the rotor, polyphase windings on said poles, and an unmagnetized rotor of magnetizable material rotatable in said stator, said rotor having a smooth cylindrical periphery and being arranged to be rotated and magnetized by the initial energization of the stator windings by polyphase alternating current.

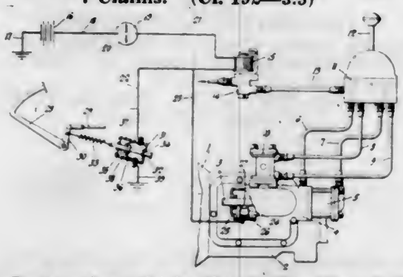
8. The method herein described of producing a permanently magnetized rotor for an alternating current generator which comprises, assembling an unmagnetized rotor of magnetizable material within a stator having a polyphase alternating current winding, and impressing polyphase alternating current on the stator winding to effect the rotation of the rotor until it turns up to synchronous speed.

2,071,537
AUTOMOTIVE VEHICLE
Beverly W. Keese, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application March 21, 1935, Serial No. 12,276
4 Claims. (Cl. 180—44)



1. In an automotive vehicle, a pair of longitudinal frame members, a transversely disposed axle housing, means for connecting said axle housing to said frame members, a prime mover mounted on said frame members and having at least a portion thereof projecting downwardly between said frame members and overlying said axle housing, said axle housing having an enlarged gearing portion disposed between the downwardly extending portion of said prime mover and one of said frame members, a pair of axles mounted in said axle housing and a drive shaft projecting from said enlarged gearing portion of said axle housing, a gear mechanism mounted in said enlarged gearing portion of said axle housing and providing a speed reducing drive between said drive shaft and said axles, the gearing portion of said axle housing being of substantially circular form in longitudinal section and of substantially vertical elliptical form in transverse section.

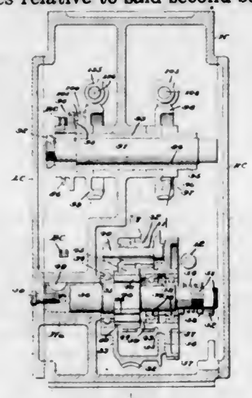
2,071,538
CLUTCH AND GEAR SHIFT INTERLOCK
Oliver K. Kelley, Pontiac, Mich., assignor, by mesne assignments, to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application August 2, 1935, Serial No. 34,339
7 Claims. (Cl. 192—3.5)



1. In a motor vehicle, the combination with a clutch and a fluid pressure controlled change speed transmission, of a valve controlling fluid pressure suppy for said transmission, a solenoid associated with said valve for the actuation thereof, an electrical circuit containing said solenoid, a switch associated with the clutch to close the circuit whenever the clutch is disengaged and a second switch arranged in parallel with the first switch and associated with the transmission for closing said circuit whenever a speed setting is complete.

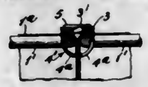
2,071,539
POWER FEED FOR DRILLING MACHINES
Edward Joslin Kingsbury, Keene, N. H.
Application September 7, 1934, Serial No. 743,153
8 Claims. (Cl. 77—32)

1. A device of the class described, comprising a frame, a member to be advanced relative to said frame at varying predetermined speeds, a shaft having an overrunning clutch surface and means for preventing retrograde movement of the shaft relative to the frame, a differentiating gear train including a body rotatable about said shaft and having an eccentric pivot, a first sun gear freely rotatable about said clutch surface in one direction, a second sun gear connected with said member, and a double planet pinion on said pivot and meshing with said gears and operative to produce a retrograde effect upon said first sun gear relative to said shaft when said body moves relative to said second sun gear, said



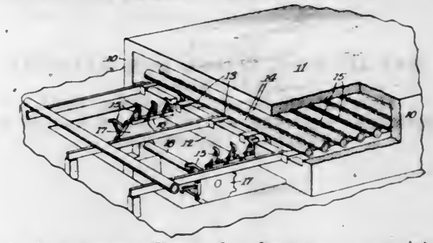
second sun gear having friction means cooperative with said body for effecting a conjoint equiangular movement of the body, pinion and sun gears when the resistance to movement of said body is less than a predetermined value for producing a high advancing speed of said member, and clutch means cooperative with said clutch surface and said first sun gear to prevent retrograde movement thereof by said planet pinion when the said resistance exceeds said predetermined value so that the differentiating train produces a slow advancing speed of said member.

2,071,540
SPRING CUSHION
Ray Klein, Brooklyn, N. Y.
Application August 4, 1934, Serial No. 738,442
2 Claims. (Cl. 5—267)



2. A spring cushion embodying, in combination, a series of spring members having abutting spiral wires and an interconnecting element therefor composed of a strip of resilient spring metal and spaced fastening members composed of deformable metal, U-shaped in cross section, having webs abutting against one face of said strip and provided with flanges disposed vertically in open position of the fastening member; rivets connecting the webs of said U-shaped fastening members to said resilient metal strip, each of said U-shaped fastening members forming a receiving channel having said flanges substantially in vertical alignment with the side edges of the strip and being provided with teeth bent toward each other over the connecting rivet and engaging said abutting spiral wires over said rivet and the abutting spiral wires of a plurality of spring members being received and connected by a single fastening member.

2,071,541
FINGER FOR FURNACE CONVEYERS
Henning Klouman, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application June 13, 1936, Serial No. 85,090
6 Claims. (Cl. 263—8)

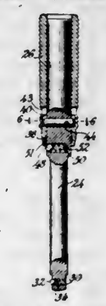


1. A conveyer finger for furnaces comprising a contact piece and a brace piece at an angle to it and means for securing them together with free movement in expansion and contraction.

2,071,542
FRIABLE CORE FOR MOLDS
Hobart McKinley Kraner, Bethlehem, Pa., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
No Drawing. Application May 26, 1936, Serial No. 81,962
7 Claims. (Cl. 49—65)

1. A core for a mold in which refractory material is cast at a temperature of about 1800° C., consisting of a mixture of grains of said refractory and of grains of a precalcined refractory material containing only small amounts of glass-forming ingredients.

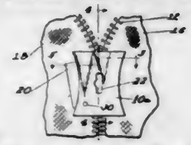
2,071,543
REVOLVING GRIP TOOL
Willard C. Kress, Kenmore, N. Y., assignor to J. H. Williams & Co., Buffalo, N. Y., a corporation of New York
Application September 14, 1935, Serial No. 40,607
1 Claim. (Cl. 81—177)



A rotatable grip tool comprising a shank, a sleeve disposed about a portion of the shank, and means for rendering the two relatively rotatable or non-rotatable at will, said means comprising an inner annular recess in the sleeve, a hole extending through a wall of the sleeve and communicating with said recess, a diametrical bore in the shank, and a pin adapted to be fixed into said bore, with a portion protruding therefrom, the bore and the hole being so positioned and of such dimensions that the pin may be inserted into the said bore through the said hole, the protruding portion of the pin having such di-

mensions that it is substantially clear of the sleeve and may rotate freely within said recess when the shank and sleeve are in one relative longitudinal position and that it is in locking engagement with the walls of the said hole when the shank and sleeve are in another relative longitudinal position.

2,071,544
SELF-LOCKING SLIDER FOR MULTIPLE FASTENERS
Harry David Kroll, Los Angeles, Calif.
Application December 31, 1934, Serial No. 759,921
6 Claims. (Cl. 24—205)



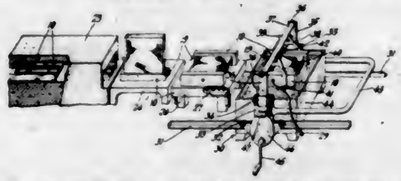
6. A duplex self-locking slider for multiple fasteners, including a slider body, a casing forming part of the slider body, a manually released locking projection in one side of the casing, and a key-operated locking element mounted in the other side of the casing, together with common spring means for the projection and locking element.

2,071,545
EGG HOLDING CONTAINER
Ferdinand Kronenberger, Brooklyn, N. Y.
Application January 13, 1934, Serial No. 706,481
7 Claims. (Cl. 217—26.5)



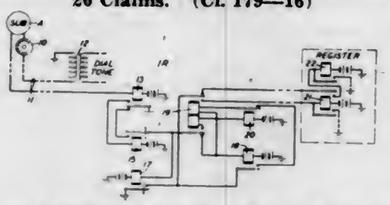
1. A combined flat and filler structure comprising a waved sheet forming parallel upper and lower troughs, the side-walls of the troughs being of wave formation, the wave depressions at one side-wall of each trough being in register with corresponding wave depressions in the opposite side-wall, said depressions forming egg-receiving cavities, the sheet also being waved at the juncture line intermediate two parallel troughs, said juncture-line waves being at right angles to the waves of the trough side-walls.

2,071,546
METHOD OF TESTING RADIATOR CORES
William R. Kuhns, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 23, 1934, Serial No. 732,016
7 Claims. (Cl. 73—51)



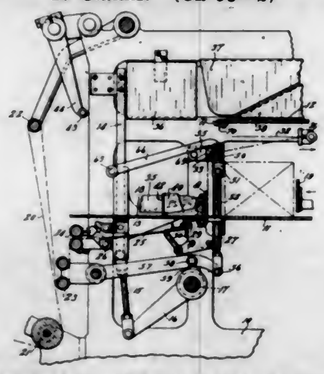
1. In a method for testing radiator cores, cementing end plates to the opposite ends of the core using a plastic cement containing a sufficiently strong binder to withstand the low test pressure but which may easily be removed and which binder also has the properties of a solder flux.

2,071,547
SIGNALING SYSTEM
Frank K. Low, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1935, Serial No. 18,506
20 Claims. (Cl. 179—16)



1. In a signaling system, a line, a signal sender, a signal receiving relay, a signaling circuit including said line and sender and one winding of said signal receiving relay, a signal register, a set of auxiliary relays controlled by said signal receiving relay to operate said register in accordance with the signal impulses received by said one winding of the signal receiving relay, and circuit means for preventing the reoperation of said signal receiving relay until said auxiliary relays have responded to the release of said signal receiving relay.

2,071,548
WRAPPER CONTROL FOR WRAPPING MACHINES
Norman W. Lyon, Springfield, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application February 25, 1935, Serial No. 7,990
17 Claims. (Cl. 93—2)

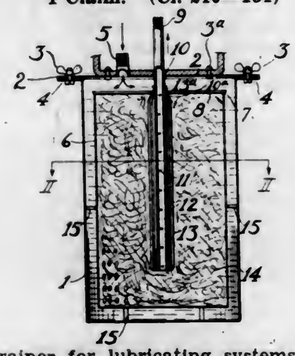


1. A wrapping machine having, in combination, an article carrier movable between an article receiving and an article discharging station, wrapper feeding means, a wrapper contacting member independent of the carrier and a wrapper contacting member on the carrier, each positioned to contact with the same side of the wrapper, and a rotatable roll engageable with the second side of the wrapper and movable to press the wrapper by gravity first against one and then against the other of said wrapper contacting members.

2,071,549
METHOD OF MANUFACTURING ABRASIVE ARTICLES
Osborne L. Mahlman, Kenmore, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application May 19, 1936, Serial No. 80,578
8 Claims. (Cl. 51—278)

1. The method of making an abrasive coated article which comprises coating abrasive grains with a solid permanently-fusible resin capable of becoming infusible by heating with a hardening agent, coating a backing with a heat-hardenable liquid resinous material containing a hardening agent for the permanently-fusible resin on the abrasive grains, applying a layer of the coated grains to the resin coat on the backing, and heating the coated backing to cause the resin on the grains to flow into the liquid coating on the backing and to harden the resins.

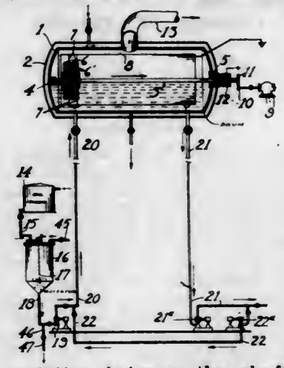
2,071,550
OIL FILTER AND METHOD OF ASSEMBLING THE SAME
George L. Matheson, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 15, 1933, Serial No. 675,923
1 Claim. (Cl. 210—131)



A strainer for lubricating systems consisting of a casing removably secured to a cover therefor affixed to a supporting head, lugs disposed about the inner surface of the walls and bottom of said casing, a perforate receptacle for a filter mass disposed within the casing in positioned engagement with said lugs, a cover for the receptacle having a central opening therein, an inlet pipe opening into the casing through the supporting head, an outlet pipe extending through said supporting head and through the opening in the receptacle cover into spaced relation with the bottom wall of the receptacle, said pipe having a perforate portion disposed within the receptacle and a fine mesh metallic screen within a bag of textile covering the perforate portion of said pipe and extending upwardly through the central opening in the receptacle cover in frictional engagement with the edges of said opening, whereby the screen and bag are maintained in operative association with the outlet pipe.

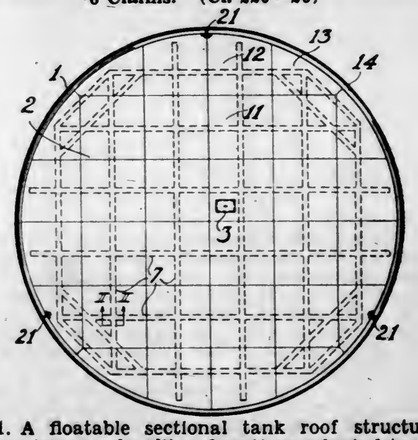
2,071,551
APPARATUS FOR VOLTOLIZATION
George L. Matheson, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 23, 1935, Serial No. 37,450
6 Claims. (Cl. 204—31)

1. In an apparatus for subjecting material to the action of silent electric discharges comprising a drum adapted to be maintained under vacuum, a rotatable shaft therein, parallel electrodes mounted on said shaft adapted to be alternately connected to opposite poles of a source of alternating current, and means for introducing thereinto and withdrawing therefrom material to be treated, the improvements which comprise di-



electric insulation between the shaft and the drum, alternate electrodes connected to the shaft, means for insulating the other electrodes from the shaft, an electrical connection between the shaft by means outside the drum to one pole of the current, an electrical connection between the electrodes insulated from the shaft by means inside the drum to the other pole of the current, and a dielectric material encasing each electrode.

2,071,552
FLOATING ROOF FOR STORAGE TANKS
William G. McCullam, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 16, 1932, Serial No. 617,566
6 Claims. (Cl. 220—26)



1. A floatable sectional tank roof structure comprising a plurality of sections adapted to be assembled edge to edge so as to form a unitary structure conforming to the contour of the tank walls, each section comprising a plurality of laminae, of which a predominant number are self buoyant, placed one above the other, in angular relationship to one another, means for securing one lamina to the other, means for sealing the laminae against moisture and absorption of material in the tank, and non-ferrous means for securing one section to another.

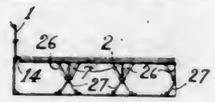
2,071,553

FLOATING ROOF FOR STORAGE TANKS

William G. McCullam, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Original application June 16, 1932, Serial No. 617,566. Divided and this application November 1, 1934, Serial No. 750,990. In Canada January 16, 1933

4 Claims. (Cl. 220—26)



1. A liquid storage tank, comprising a bottom and side wall, a floating roof adapted to normally rest upon liquid in the tank, and means for sustaining the roof spaced a predetermined distance above the bottom of the tank when empty, said means including a set of supports on the bottom of the tank and a set of supports carried by the roof on its underside, the supports of one set being movable to operative position where they will engage the supports of the other set or to inoperative position where they will clear said supports of said other set.

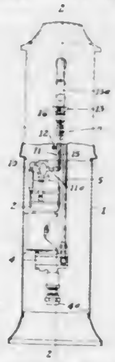
2,071,554

GASOLINE DISPENSING APPARATUS

Gilbert W. McDougall, Erie, Pa., assignor to Erie Meter Systems, Inc., Erie, Pa., a corporation of Pennsylvania

Application August 30, 1930, Serial No. 478,864

2 Claims. (Cl. 221—95)



1. In a liquid dispensing apparatus, the combination with a stationary pump stand; of a liquid dispensing pump in said stand; an electric motor in said stand, operatively connected with said pump; a liquid discharge conduit in communication with said pump and including a flexible hose; an electric switch for controlling the energizing circuit of said motor; means cooperatively connecting said flexible hose with said switch, including a flexible connector extending through said wall of said pump stand and having one end connected with said hose; whereby said switch may be closed to operate said pump, by the operator flexing said hose to position for a dispensing operation; a spring for automatically opening said switch and stopping said pump when said hose is released; a movable hose support on said stand; and means connecting said hose support with said switch; for holding the latter open by said support; whereby, said switch is held open when said hose is held by said support.

2,071,555

PROCESS FOR PRODUCING A COMPLETELY INSULATING AIR AND ACIDPROOF PROTECTIVE COATING ESPECIALLY FOR MIRRORS

Heinrich Meder, Dresden, Germany

No Drawing. Application March 3, 1932, Serial No. 596,578. In Germany April 14, 1931

3 Claims. (Cl. 134—26)

1. A process for producing a protective coating against air, dampness, tropical moisture and acid vapors, consisting in melting 40 parts by weight of asphalt, diluting the same with spirits of turpentine, adding 30 parts by weight of copal resin dissolved in spirits of turpentine whilst continually stirring the mass, adding to each kilogram of the mixture 10 parts by weight of red lead and egg albumin in a quantity equivalent to five whites of eggs and applying this mass upon the coating of the mirror maintained in lukewarm condition.

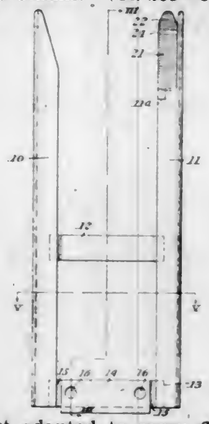
2,071,556

FURNACE CONVEYER

Paul S. Menough, Pittsburgh, Pa., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana

Application January 18, 1935, Serial No. 2,365

10 Claims. (Cl. 263—8)



1. A support adapted to carry flat sheet-like material through a furnace, comprising a plurality of upwardly extending wrought metal members U-shape in cross-section adapted to be attached adjacent their lower ends to a conveyer chain.

2,071,557

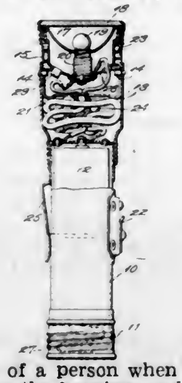
COMBINATION FLASHLIGHT AND HEADLIGHT

Yasutaka Miyaoka, Colfax, Calif.

Application May 15, 1935, Serial No. 21,642

1 Claim. (Cl. 240—10.6)

In a portable electric light, in combination with a housing for battery cells and having means for connecting it to a waist belt, a sleeve on the housing for an extension cable which has its wires connected to the battery terminals at one end of said cable, inwardly extending lugs on said sleeve, a tubular head having bayonet slots for the lugs, said head having a lens, a lamp bulb carrying socket member in the head and connected with the wires at the other end of the cable, a coiled expansion spring housed between the head and the socket member for exerting a pressure against the lugs to latch the same in the slots, an inwardly directed ring flange on the inner end of the head and having a plurality of slits giving resiliency thereto, a strap carried by the flange for the fastening of the tubular



head to a head of a person when the said head is detached from the housing, and a switch carried exteriorly on the housing for controlling current from the battery to the socket member.

2,071,558

ARTICLE OF MANUFACTURE

Willard L. Morgan, Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Original application July 13, 1935, Serial No. 31,229. Divided and this application May 27, 1936, Serial No. 82,051

8 Claims. (Cl. 106—40)

1. A flexible transparent article of manufacture comprising an organic hydrophilic colloid selected from the group consisting of gelatine, casein, cellulose ethers, cellulose oxy-ethers and cellulose hydrate having incorporated therewith a water-soluble salt of an aliphatic nitrogen base with an acid of phosphorus in an amount sufficient to effect a flameproofing of said colloid.

2,071,559

ARTICLE OF MANUFACTURE

Willard L. Morgan, Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Original application July 13, 1935, Serial No. 31,230. Divided and this application May 27, 1936, Serial No. 82,052

9 Claims. (Cl. 106—40)

6. A flexible transparent article of manufacture comprising regenerated cellulose having incorporated therewith a water soluble salt of a sulphonated aryl derivative of an acid of phosphorous in an amount sufficient to effect flameproofing of said article.

2,071,560

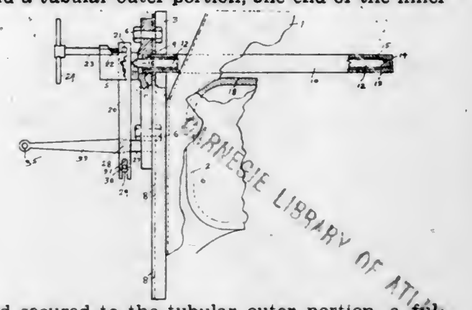
THERMOSTATIC CONTROL FOR WARM AIR FURNACES

George E. Muns, Midland, Pa.

Application October 11, 1935, Serial No. 44,521

2 Claims. (Cl. 236—16)

1. A thermostatic control for warm air furnaces comprising a bracket member secured to the outer casing of a furnace and having a body member mounted thereon, said body member having a laterally extended portion provided at its top with a flat recessed portion having an opening formed therein, a lever arm functioning within said opening and having a slotted lower end, and a pin carried in its upper end slidably maintaining the lever arm on said flat recessed portion, a threaded adjustment rod passing through a threaded opening in the extended portion of said body member and coming in contact with said lever arm, a manipulating member on said adjustment rod, said body member carrying an expansion rod comprising an inner rod and a tubular outer portion, one end of the inner



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rod secured to the tubular outer portion, a fulcrum end on said inner rod for the purpose of engaging said lever arm, the inner rod and tubular outer portion made of different metals varying in contraction and expansion temperature, a lower extended portion on said body member having a shaft carried thereon, a damper and draft regulating arm secured to said shaft, a crank on said shaft engaged in said slot, whereby motion of said lever actuates said arm.

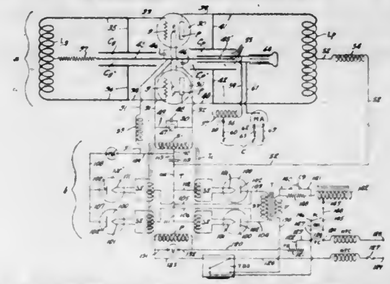
2,071,561

HIGH FREQUENCY APPARATUS

Peter P. Musket and Donald E. Richardson, Chicago, Ill., assignors to H. G. Fischer & Co. Inc., Chicago, Ill., a corporation of Illinois

Application August 22, 1933, Serial No. 686,237

4 Claims. (Cl. 171—242)



1. A variable inductance comprising, in combination, a coil, a contact movable longitudinally of the coil and in engagement with the turns thereof, and means for reducing the voltage across the turns of the coil being engaged by said contact, said means comprising a metal ring surrounding the coil in spaced relation thereto and movable longitudinally thereof with said contact and overlying a plurality of turns of the coil, said contact being carried within said ring.

2,071,562

SCRAPER

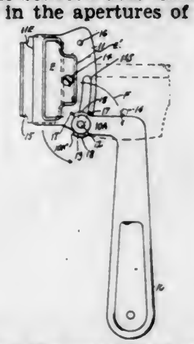
Jennings Nelson, St. Paul, Minn.

Application February 11, 1936, Serial No. 63,346

5 Claims. (Cl. 145—47)

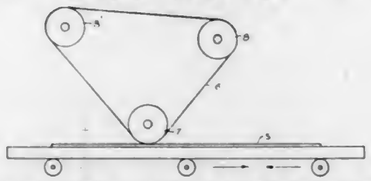
1. A combination cutter and scraper device of the class described comprising an elongated hand-

hold, bifurcated above a predetermined level, said bifurcation comprising also an arm extending to one side from the hand-hold, said bifurcated parts normally sprung toward each other, the termini of said arm comprising registering rounded heads apertured centrally and the outer parts formed with registering straight faces, a cutter head insertable between said termini of the arm, a pivot screw in the apertures of the latter and



passing through the cutter head, said cutter head formed with an elongated slot adjacent its rear edge and through which the said pivot screw is passed, said slot extending from one end part of the head to its central, inner part, said pivot screw adapted to be adjusted for pivotal and frictional engagement of the cutter head in said slot in either end of it, to retain the head in either of two positions, one position pivotal and the other position non-pivotal.

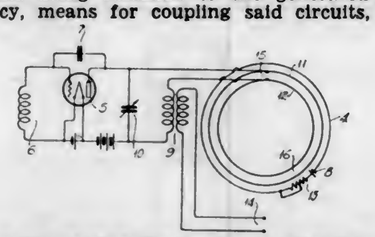
2,071,563
ABRADING APPARATUS
Edward R. Newcomb, Niagara Falls, N. Y., and Herbert R. Stratford, Cleveland, Ohio, said Newcomb assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware, and said Stratford assignor to The Stratmore Company, Cleveland, Ohio, a corporation of Ohio
Application May 21, 1934, Serial No. 726,700
1 Claim. (Cl. 51—188)



Apparatus for smoothing and polishing sheet material comprising a plurality of pulleys and an abrasive belt strung about the pulleys, one of the said pulleys being yieldable and adjacent the work to press a portion of the belt against the work, the said belt comprising a strip of vulcanized fiber, a layer of fabric intimately united thereto, and a coating of abrasive material adhesively attached to the said fabric.

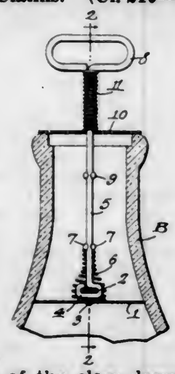
2,071,564
CYCLIC VARIABLE FREQUENCY OSCILLATOR
Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application December 30, 1930, Serial No. 505,530
Renewed July 21, 1936
11 Claims. (Cl. 250—36)

1. In an electrical system, a thermionic vacuum tube having input and output circuits for generating electrical oscillations, a portion of one of said circuits being resonant to the generated frequency, means for coupling said circuits, and



means for varying the resonance of said circuit portion, said resonance varying means comprising arc electrode rails as a portion of said resonance circuit.

2,071,565
COMBINED CAP VALVE AND CREAM SEPARATOR FOR MILK BOTTLES
George J. Overmyer, Hartford City, Ind.
Application August 22, 1934, Serial No. 741,001
7 Claims. (Cl. 210—51.5)



1. A device of the class described including a stem, a resilient disk hingedly connected to one end thereof, a closure disk slidably mounted on the stem and slidable with resilient frictional contact on the top of and across the mouth of a bottle to which the device is applied to uncover and recover a portion of the mouth of the bottle, thereby to constitute a pouring control valve, and a spring on the stem and bearing against the closure disk for holding both disks in frictional contact with different portions of a bottle to which the device is applied.

2,071,566
PACKING
Frank E. Payne, Glencoe, and Albert J. Matter, Park Ridge, Ill., assignors to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application April 1, 1935, Serial No. 14,062
3 Claims. (Cl. 154—45.5)

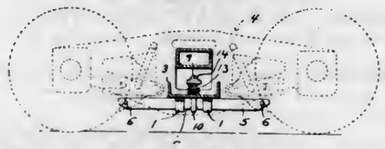


1. In a packing comprising a substantially flat and continuous flexible sealing strip having sufficient thinness to permit bending around a cooperative part, a flexible backing strip and stitching securing the strips together, means to facilitate transverse deformation of the sealing strip while substantially preserving its wearing face, said means including a plurality of rows of apertures spaced lengthwise and staggered transversely of the sealing strip in sufficient number and size to render the strip transversely deformable under pressure without substantially affecting the length thereof.

2,071,567
COMBINATION TANNING PROCESS
George R. Pensel, Amsterdam, N. Y.
No Drawing. Application April 13, 1935, Serial No. 16,256
25 Claims. (Cl. 149—5)

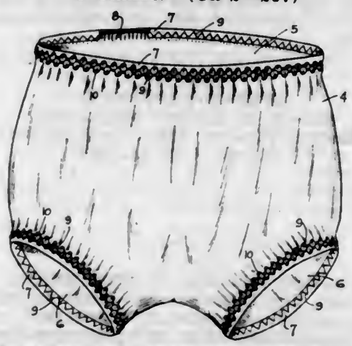
15. A process for producing leather from skins which includes the following steps, treating the pickled skins with a water soluble salt of an organic acid, selected from the following group: acetic, formic, oxalic, lactic, tartaric, and citric, together with a quantity of the organic acid itself, then tanning with a metal tanning agent, and an aldehyde tanning agent.

2,071,568
BRAKE BEAM SAFETY SUPPORT
Samuel F. Prince, Clovis, N. Mex.
Application October 12, 1935, Serial No. 44,770
4 Claims. (Cl. 188—210)



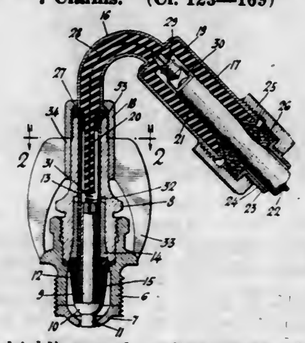
1. The combination of a railway car truck having a spring pan, a pair of aligned brackets depending from said spring pan, a bar slidably mounted in said brackets beneath the pan and projecting beyond the sides of said pan for receiving and supporting broken brake beams, said bar having a notch in its lower portion at an intermediate point, a bolt extending slidably through the spring pan and engaged in the notch for releasably securing the bar against sliding movement in the brackets, and a spring operatively connected to the bolt for yieldingly urging said bolt into the notch.

2,071,569
GARMENT PROTECTOR
Leroy H. Rand, Brooklyn, N. Y.
Application August 9, 1935, Serial No. 35,432
6 Claims. (Cl. 2—237)



1. In a garment having expandible waist and leg openings formed in the body of the garment provided with shirred margins around said openings, of continuous elastic binding strips enclosing said shirred margins and secured thereto by stitches arranged transversely to the length of said strips, and non-elastic means loosely and slidingly held between said binding strips and said stitches to limit the expansion of said openings.

2,071,570
SHIELDED MICA SPARK PLUG
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 14, 1935, Serial No. 6,455
7 Claims. (Cl. 123—169)



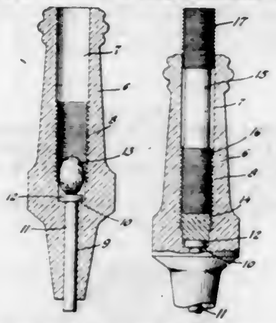
1. In shielding and cooling means for spark plugs, a tubular metallic electrode supporting and shield member adapted to support a central electrode within a grounded plug casing; a central electrode supported by said member, and the upper end of which lies adjacent the upper end of the casing of the plug; a tubular insulating member surrounding and in contact with said central electrode and extending above the upper end thereof and terminating adjacent the upper end of said supporting and shield member, and which insulating member is in direct contact with the interior of said supporting and shield member; a metallic connecter casing detachably secured to the upper end of said supporting and shield member; an insulator enclosed within said connecter casing; and connecting means carried by said insulator whereby and through which a conducting path may be established between a high tension supply cable and the upper end of said central electrode.

2,071,571
TWO-PIECE CENTER WIRE SPARK PLUG
Hector Rabezzana, Taine G. McDougal, Jay T. Ford and William S. Kirk, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 9, 1935, Serial No. 53,472
13 Claims. (Cl. 123—169)

1. In combination with a spark plug insulator having a passage extending therethrough for a central electrode; a two-piece electrode extending through, and adjacent ends of the two parts of which lie within said passage and are spaced apart from one another; and a plastic sealing member filling the space between said two ends; said member comprising a liquid vegetable drying oil binder which will harden and become solid when heated, and an inert material incorporated with said binder.

5. In combination with a spark plug insulator having a passage extending therethrough for a

central electrode; a two-piece electrode extending through, and adjacent ends of the parts of which lie within said passage and are spaced apart from one another; and a sealing member filling the



space between said two ends; said member comprising a tung or China-wood oil binder and an inert filling material incorporated therewith and hardened by applying heat thereto.

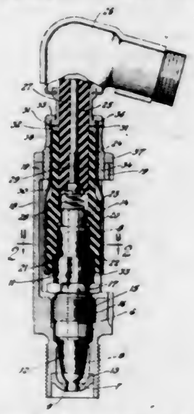
2,071,572

RADIO SHIELD FOR SPARK PLUGS

Hector Rabezzana and Alexander J. Battey, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 30, 1935, Serial No. 56,646

6 Claims. (Cl. 123—169)



1. In a shielded spark plug, a hollow metallic base member having an externally threaded part adapted to screw into an opening in an engine cylinder; a central electrode and an insulating member therefor, said electrode and insulating member being supported by said base member; circumferentially spaced bars extending upward from the base member, and the upper ends of which bars are connected together by an annular ring member; a tubular insulating member surrounding the insulating member for said central electrode, and which insulating member extends beyond said ring member; a tubular metallic shield surrounding said last mentioned insulating member, and which shield is electrically connected with said metallic base member so as to be grounded thereupon; and means for connecting the metallic casing of a supply cable connecter with said ring member, said connecting means acting also to ground said casing upon said base member.

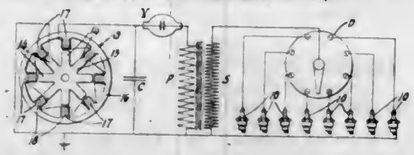
2,071,573

IGNITION SYSTEM

Donald W. Randolph and Hector Rabezzana, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 28, 1934, Serial No. 727,888

18 Claims. (Cl. 123—148)



1. A combination of a generator adapted to produce a peaked voltage wave, a condenser in parallel with the generator adapted to receive and store electrical energy developed by the generator, and a discharge circuit for the condenser comprising an electric valve adapted to normally prevent flow of current through the discharge circuit but to break down upon application of a predetermined generated voltage and permit flow of current therethrough, and a work circuit coupled to the discharge circuit.

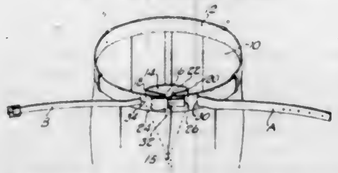
2,071,574

GARMENT AND BELT MEANS THEREFOR

Edward Regis and Gerardo Esposito, Brooklyn, N. Y.

Application November 2, 1934, Serial No. 751,174

7 Claims. (Cl. 2—237)



1. A garment having increasingly great extra fullness from a point spaced from the edge, to the edge, said extra material being folded inwardly toward the body of the wearer into a triangular double pleat, a strap anchored to the garment at one side of the pleat, passing in through the central opening, then through an opening in the far edge fold of the pleat, and then out through the garment, and a second strap anchored to the garment at the other side of the pleat, passing in through the central opening, then through an opening in the far edge fold of the pleat, and then out through the garment.

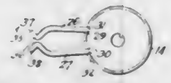
2,071,575

SPRING FASTENER

Harold J. Reiter, Chicago, Ill.

Application June 20, 1935, Serial No. 27,468

8 Claims. (Cl. 24—224)



7. A socket including a plate member provided with an elongated stud-receiving opening therein including a stud entrance part, and a shell member secured to said plate member and having integral fingers formed of a single piece of material therewith.

2,071,576

SNAP FASTENER

Harold J. Reiter, Chicago, Ill.

Application January 14, 1936, Serial No. 59,001

10 Claims. (Cl. 24—224)



1. In a fastener of the character described, a one-piece plate member comprising a plate portion having a transversely elongated opening therein and a flange outstanding from the periphery of the plate portion, a shell member having a central domed portion and a peripheral conical portion, the domed portion being provided with a central opening and with a series of spaced projections, and a one-piece spring of flat sheet material having a serrated outer edge held between said members and comprising a ring portion and symmetrical spring fingers, each integral at one end with the ring portion and terminating in a free end in inward spaced relation to the ring, the free ends of said fingers inwardly overhanging said opening and being spaced apart a sufficient distance to permit the passage of a cooperating stud forcibly therepast in either direction, the flange of said plate member being bent about the conical portion of the shell member with the spring held therebetween.

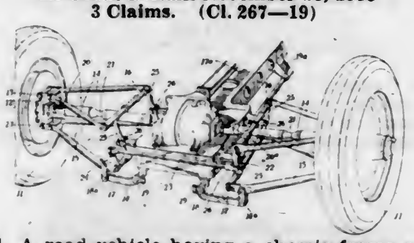
2,071,577

SUSPENSION OF ROAD VEHICLES

William Somerville Renwick and Albert Sydney Enever, Abingdon-on-Thames, England, assignors to The M. G. Car Company Limited, Abingdon-on-Thames, England

Application May 15, 1936, Serial No. 79,964, In Great Britain November 25, 1935

3 Claims. (Cl. 267—19)



1. A road-vehicle having a chassis-frame and road-wheels on opposite sides thereof, suspension means independently connecting the chassis-frame to the hub-assemblies of the road-wheels, each of said suspension means including a rocking lever mounted on the chassis-frame and upper and lower links interconnecting the rocking lever and the associated hub-assembly, and means cross-connecting a link of one of said suspension means with a link of the other such that the rocking levers provide stationary pivotal axes for the links when both wheels rise or fall together substantially equal amounts relatively to the chassis-frame, and such that either of the rocking levers can turn about its mounting when the associated wheel rises or falls independently of or more than the other relatively to the chassis-frame.

2,071,578

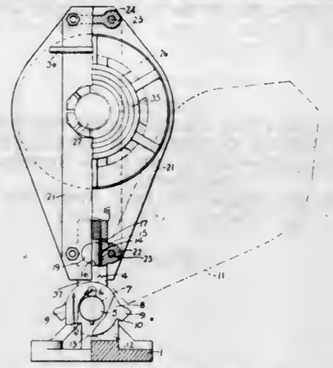
PEDESTAL SHEAVE ASSEMBLY

Edmund J. Roach, Beaumont, Tex., assignor to Beaumont Iron Works Company, a corporation

Application July 5, 1935, Serial No. 29,961

5 Claims. (Cl. 254—195)

1. A base plate, a post hingedly connected thereto, a collar rotatable about said post, a pair of spaced side plates secured to said collar, means



to limit the rotation of said collar on said post, and a sheave rotatably mounted between said plates.

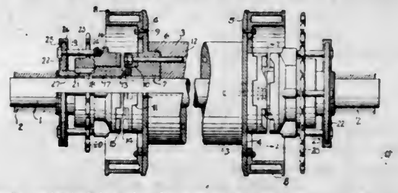
2,071,579

CLUTCH FOR ROTARY DRAW WORKS

Edmund J. Roach, Beaumont, Tex., assignor to Beaumont Iron Works Company, Jefferson County, Tex., a corporation

Application June 1, 1936, Serial No. 82,745

8 Claims. (Cl. 254—187)



1. A rotatable shaft, a hoisting drum thereon, a hub on said drum fixed to said shaft, a flange on said hub, a toothed clutch ring secured removably to said flange, a sleeve rotatable on said shaft adjacent said clutch ring, a sprocket on said sleeve, a toothed jaw member mounted slidably but nonrotatably upon said sleeve, and means to move said last named jaw member to and from engagement with said clutch ring.

2,071,580

POWDER GUN AND PLUNGER DEVICE ADAPTED THEREFOR

William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware

Application March 8, 1935, Serial No. 10,042

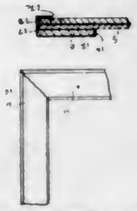
1 Claim. (Cl. 43—147)



In a dust gun having a hollow air pressure member and an annular inwardly flanged cover for one end thereof, a valvular closure for the opening in said cover comprising a disc of resilient material, having a pair of arcuate slots concentric with the disc and disposed adjacent the periphery thereof with opposite ends of each slot separated by a narrow portion of the disc and forming a pair of segmentary flaps and an

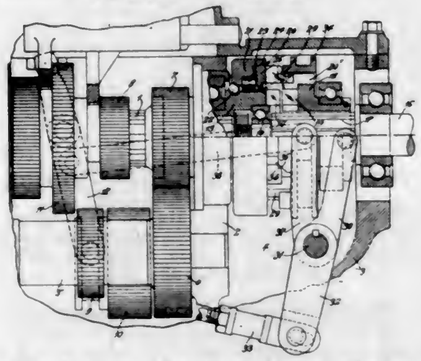
annular peripheral portion within which the flaps are disposed, the disc itself being disposed within the cover so as to be engaged at its peripheral portion between the cover and the end of said hollow member.

2,071,581
GLASS PICTURE FRAME AND DECORATIVE CORNER CONNECTER THEREFOR
George Rosenberg and Louis Spiselman, New York, N. Y.
Application August 27, 1936, Serial No. 98,157
7 Claims. (Cl. 40—152)



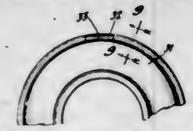
1. The combination with a picture frame consisting of angularly related glass frame parts having mitered meeting corners, and a backing of yielding material, of a connecter for each corner of the assembled frame parts, each connecter consisting of a metal part having stops on one side to engage the inner edge portions of the engaged frame parts and means on the other side to engage and clamp the outer edge portions of the engaged frame parts and the backing against said frame parts.

2,071,582
POWER TRANSMISSION MECHANISM
Piero Mariano Salerni, Westminster, England
Original application August 1, 1932, Serial No. 627,196. Divided and this application October 18, 1935, Serial No. 45,581. In Great Britain August 13, 1931
6 Claims. (Cl. 192—67)



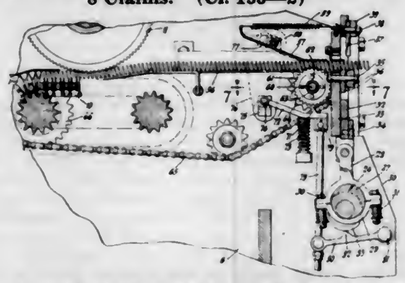
1. In a clutch device, a driving member, a driven member, said members being provided with interengaging parts and adapted for relative axial movement to permit engagement and disengagement of said interengaging parts, means for preventing engagement of said parts until the driving and driven members have attained substantially synchronous speeds, said preventing means comprising an element rotatable with one of said members of the clutch but capable of limited relative rotative movement thereto, cooperating means on said element and said last named clutch member for preventing said clutch member from engaging the other clutch member when said element is in one position and permitting the clutch members to engage when the element is in another position, connecting means between the said element and the other member of the clutch and comprising a one-way driving connection and a friction connection whereby said element may be moved to the position permitting engagement of the clutch members when said clutch members attain substantially synchronous speeds.

2,071,583
METHOD OF MAKING BELLOWS
Arthur J. Schutt, Lockport, N. Y., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 5, 1933, Serial No. 669,478
4 Claims. (Cl. 113—112)



1. The method of manufacturing bellows from flexible metal annuli which includes providing annuli having means for affording when assembled enlarged soldering channels spaced about their peripheries, assembling said annuli with a margin of one seated on a margin of another, folding the margin of one annulus onto the margin of the other so as to interlock and leave a joint for soldering having spaced enlarged channels through which solder may flow from one side to the other of the enfolded margin, and introducing molten solder into the joint.

2,071,584
MACHINE FOR FORMING RADIATOR STRIPS
Leo C. Shippy, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1935, Serial No. 3,426
8 Claims. (Cl. 153—2)



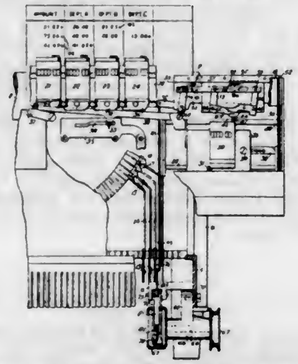
1. A continuously operated machine for automatically forming strip stock and severing the formed strip into predetermined lengths, including a forming die acting on the strip at a uniform rate of speed, a shearing knife operated periodically in timed relation to said forming die, an indexing wheel engaging the formed strip, means mounting the indexing wheel for rotation about a fixed axis immediately adjacent the knife, and means to vary the speed of the indexing wheel to stop movement therebeyond of the formed strip during the shearing operation of the knife and thereafter accelerate the rate of movement so as not to interfere with the uniform rate of said forming die.

2,071,585
LOCKING MECHANISM
Ralph E. Smith, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio
Application January 14, 1935, Serial No. 1,600
5 Claims. (Cl. 292—48)



1. In a locking system for a grave vault comprising a unitary hood adapted to be locked upon a base having a locking system enclosed in a portion thereof; a pair of horizontally pivoted latch members spring-pressed outwardly of said base and having downwardly disposed cam portions at the rear thereof, inverted U-shaped slide members disposed in said cam portions, operating rods each rigidly connected at one end to said slide members and pivotally connected at the other end to an operating member pivoted about a vertical axis disposed between said latch members, whereby said operating member may be moved about its pivot and the latch members swung inwardly against spring pressure.

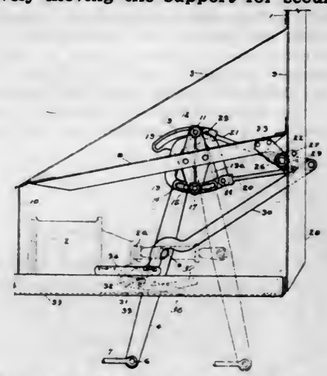
2,071,586
COMPUTING MACHINE
Robert H. Strother, Montclair, N. J., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Application July 28, 1927, Serial No. 209,008
25 Claims. (Cl. 235—59)



1. In a computing machine, the combination with a totalizer and its actuator the one traveling relative to the other, of a device in said totalizer which occupies one position when the totalizer is clear and another position when the totalizer is not clear, a signal controlled by said device and by the said relative travel to indicate a clear state of the totalizer, and another signal controlled by said device and by such relative travel to indicate a change of the state of the totalizer to not clear.

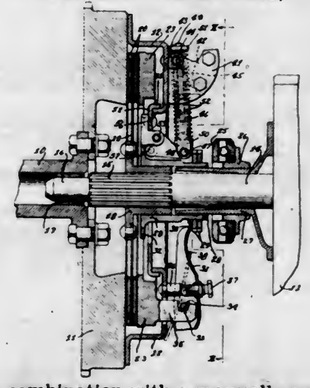
2,071,587
CAR BRAKE
George A. Suckfield, Avalon, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a corporation of New Jersey
Application October 22, 1935, Serial No. 46,226
17 Claims. (Cl. 188—195)

1. In an empty and load brake mechanism, the combination of a brake lever, a lever actuating means, a fulcrum support for the lever, a plurality of fulcrum pins on the lever having permanent connection with the fulcrum support and means associated with said fulcrum support for selectively moving the support for securing one



of said pins in fixed relation to the support to provide a fulcrum for the lever when acted on by said actuating means.

2,071,588
AUTOMATIC CLUTCH
Benjamin A. Swennes and Kay Miller, Rockford, Ill.; said Swennes assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 6, 1932, Serial No. 609,567
6 Claims. (Cl. 192—105)

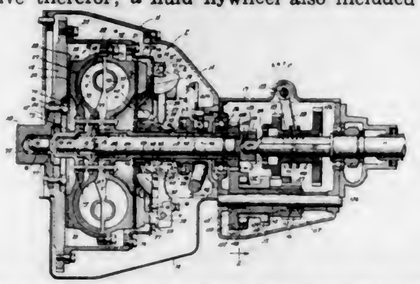


1. In combination with a manually controllable friction clutch wherein a pressure plate is manually retractable through throwout fingers to cause clutch disengagement and advanceable to cause clutch engagement coincidentally with moving said throwout fingers, a separate control mechanism releasably restraining said throwout fingers to preclude the advance of said pressure plate below a predetermined rotative speed, and speed responsive means for releasing said separate control from the throwout fingers above such predetermined speed.

2,071,589
TRANSMISSION MECHANISM
Benjamin Arthur Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 24, 1934, Serial No. 717,216
16 Claims. (Cl. 74—330)

1. A transmission mechanism for automotive vehicles comprising, in combination, with a drive

shaft and a driven shaft, a composite clutch device including a mechanical friction clutch having a driving element rotatable with the drive shaft and a driven element; means automatically engaging the elements of said mechanical clutch at a predetermined rotative speed of the drive shaft; means including an overrunning clutch connecting the driven element of said mechanical clutch to the driven shaft to provide a positive drive therefor; a fluid flywheel also included in



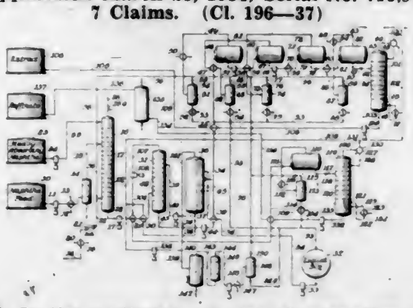
said composite clutch device and operative coincidental with a speed in excess of such predetermined speed to take over the drive of the driven shaft, comprising an annular casing constituting the driven element of said mechanical clutch and the driving element of said fluid flywheel, and a runner forming the driven element of said fluid flywheel; and means independent of said first mentioned means connecting said runner with the driven shaft.

2,071,590

PROCESS OF EXTRACTING LIGHT MINERAL OIL DISTILLATES WITH SULPHUR DIOXIDE

Ernest W. Thiele and Fred W. Scheineman, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application March 23, 1934, Serial No. 716,970
7 Claims. (Cl. 196—37)



1. In the continuous process of separating petroleum naphtha containing detonating and anti-detonating constituents into fractions respectively which are more detonating and more anti-detonating than the original naphtha, the steps comprising dissolving gaseous sulphur dioxide in said naphtha by countercurrently contacting said naphtha with gaseous sulphur dioxide, cooling said naphtha solution, extracting said naphtha solution with liquid sulphur dioxide, separating most of the sulphur dioxide from the sulphur dioxide extract by multiple-stage evaporation wherein the temperature and pressure in each successive stage are progressively increased, cooling the vaporized sulphur dioxide to effect condensation of a part thereof, separating the condensed sulphur dioxide from the uncondensed sulphur dioxide and recycling both the condensed and uncondensed sulphur dioxide to aid in the further extraction of the petroleum naphtha.

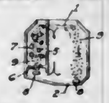
2. In the process of separating petroleum naphthas containing detonating and anti-detonating constituents into fractions respectively which are more detonating and more anti-detonating than the original naphthas, the steps comprising simultaneously extracting a heavy naphtha and a lighter naphtha, continuously passing the light naphtha countercurrent to and in contact with gaseous sulphur dioxide and nitrogen in a vertical elongated contact zone, continuously adding a small amount of the heavier naphtha near the top part of said contact zone to recover vapors of the light naphtha, continuously removing the combined naphtha solution of sulphur dioxide from the lower part of the contact zone, passing the said solution countercurrent to and in contact with liquid sulphur dioxide in a second contact zone, and separating the sulphur dioxide extract from the remainder of the naphtha solution.

2,071,591

SEWAGE TREATMENT

Albert L. Tholin, La Grange, Ill.

Application December 2, 1935, Serial No. 52,561
6 Claims. (Cl. 210—8)



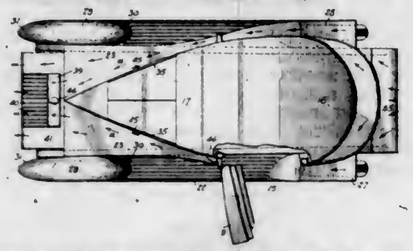
2. A process of treatment of sewage, trade wastes or similar liquids which comprises; screening out the coarse material such as sticks, rags, garbage, etc.; settling out the easily settleable solids in sedimentation tanks; aerating the liquid, in an aeration tank; contacting the liquid with mobile sponges, which remain within the aeration tank and on the surfaces of which and within the pores of which are dwelling countless living organisms, which, by their life processes, react upon the impurities contained in the liquid and render them removable by sedimentation; and again settling to remove solids in a final sedimentation tank.

2,071,592

VEHICLE BODY

Richard Thompson, Los Angeles, Calif.

Application March 8, 1935, Serial No. 10,108
1 Claim. (Cl. 180—68)



The combination with an enclosed chassis, of a streamlined body mounted thereon and provided with a conic aft end in horizontal section, the infinity of which coincides with the longitudinal center of the body, and a radiator for a cooling medium disposed vertically and transversely beyond the rear of said aft end of the body so as to be in the path of air flowing rearwardly along opposite sides of said aft end.

2,071,593

BOOT, ESPECIALLY FOR SPORT

Wilhelm Thormann, Munich, Germany

Application November 1, 1933, Serial No. 696,157
In Germany November 9, 1932
1 Claim. (Cl. 36—50)



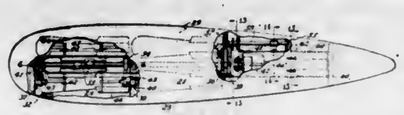
A boot more particularly for sporting purposes, comprising in combination a leg portion having an opening extending downwards from the upper edge and a small slot near the upper edge at a point remote from said opening, a lining in said leg portion having a corresponding opening and a slot near one edge of the opening in said leg portion and corresponding to the length of said opening, said lining forming with said leg portion a passage leading to the slot in said leg portion, an inner flap extending from the other edge of the opening in said leg portion, said inner flap, of substantially triangular shape, commencing at a width corresponding to the length of the opening and tapering towards its free end, a strap forming an extension of the free end of said inner flap and made in one piece therewith adapted to be threaded through the slot in said lining and passed through the slot in said leg portion to pull said inner flap through the slot in said lining and between the lining and the leg portion along at least a quarter of the circumference of the leg portion, an outer flap extending from the other edge of said opening corresponding in width to the length of the opening and adapted to be folded over said inner flap, and a buckle on the outer side of said outer flap adapted to adjustably hold said strap and secure said inner and outer flaps in overlapping position.

2,071,594

STREAMLINE MOUNT FOR MINIATURE BOMBS

Clem G. Trimbach, Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York

Application April 12, 1934, Serial No. 720,157
3 Claims. (Cl. 89—1.5)



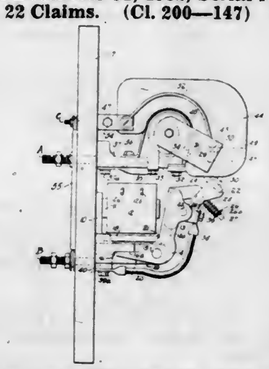
1. A bomb carrier for aircraft bombs comprising an elongated streamline container of substantially circular cross-section, side by side doors in the main body of said container, and a single centrally disposed door in the tapering tail of said container, each said door providing a streamlined closure for an individual bomb compartment within said container, and means within each said compartment for forcibly ejecting a contained bomb through a predetermined path of travel upon opening of a respective door.

2,071,595

ARC DISSIPATING DEVICE

Lev A. Trofimov, Cleveland Heights, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 31, 1932, Serial No. 649,726
22 Claims. (Cl. 200—147)



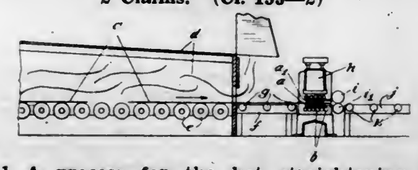
19. An arc controlling device, comprising: arc terminal means along which one end of an expanding arc is adapted to travel normally along a given path until the expanding arc breaks, a shielding means on opposite sides of the normal path of the arc, a blow-out means for effecting expansion of said arc, and current conducting means in addition to said blow-out means connected to said arc terminal means and initially energized upon striking of said one end of the arc on said arc terminal means operable when energized to constrain said expanding arc in a path out of contact with said current conducting means and shielding means while said one end of the expanding arc travels along said arc terminal means.

2,071,596

METHOD FOR THE HOT STRAIGHTENING OF PLATES

Fritz Ungerer, Pforzheim, Germany

Application October 23, 1933, Serial No. 694,809
In Germany July 8, 1933
2 Claims. (Cl. 153—2)



1. A process for the hot straightening of plates, consisting in preliminarily stretching the middle sections of the plates relative to the outer sections thereof in the direction in which the plates are passing through the machine so that the plates leave the straightening machine with slight bulges in the middle sections, and in then allowing the plates to cool.

2,071,597

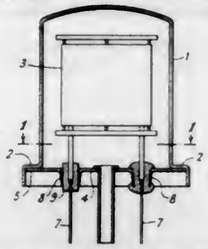
STEM FOR ELECTRON DISCHARGE DEVICES

Anthony J. Vasselli, Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 28, 1936, Serial No. 66,144
4 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising a cylindrical metal envelope with a flared rim at

one end containing cooperating electrodes, a stem for closing said end comprising a circular metal disc sealed gas tight to said rim, a series of perforations in said stem along a circle concentric



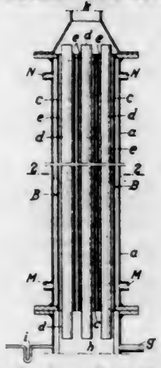
with the periphery of said stem, lead-in conductors extending through said perforations and sealed gas tight therein with vitreous insulating material and connected to said electrodes.

2,071,598

METHOD OF PRODUCING FUMING SULPHURIC ACID HAVING A HIGH CONCENTRATION

Conway Baron von Girsewald, Wolfhart Siecke, and Max Wohlwill, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York

Application December 24, 1935, Serial No. 55,960
In Germany January 11, 1935
15 Claims. (Cl. 23—170)



1. The method of producing fuming sulphuric acid which comprises establishing a decreasing temperature gradient from the top to the bottom of a condensation chamber, introducing H_2O and SO_3 vapors at the upper portion of said chamber, said SO_3 being present in substantial excess over the quantity necessary to form H_2SO_4 with the H_2O present, condensing H_2SO_4 in the uppermost portion of said chamber corresponding to the quantity of H_2O present, conducting the remaining SO_3 vapors downward co-currently with the thus-formed H_2SO_4, absorbing substantial quantities of the excess SO_3 by means of said condensed H_2SO_4 trickling downwards, and withdrawing fuming sulphuric acid at the bottom of said chamber.

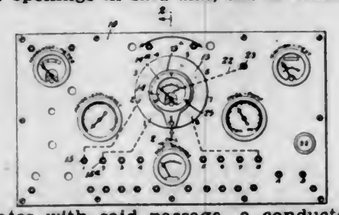
2,071,599

TESTER FOR INTERNAL COMBUSTION ENGINES

Martin Wefers, Union, N. J.

Application September 6, 1935, Serial No. 39,395
3 Claims. (Cl. 175—183)

1. A tester for internal combustion engines, comprising a panel with an opening, a plurality of contacts mounted through said panel concentric with said opening for connection with plugs, an insulation dial on the outer face of said panel and having a passage extending from near the periphery to near the center and also having a stud extending through said opening, a screw engaging said stud for rotatively holding said dial, a ground connection rotatively connected with said screw, a meter mounted on said dial and having a pair of contacts extending into a pair of openings in said dial, one of which com-



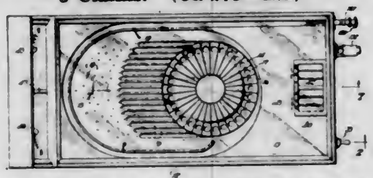
municates with said passage, a conductor disc connected with said stud, a spring in one of said pair of openings and contacting with one of said pair of contacts and with said conductor disc, another spring in said passage contacting with the other of said pair of contacts, a master contact mounted on said dial and adapted to engage said contacts selectively as the dial is turned, and connecting with said latter spring, whereby the master contact, the meter and said stud are connected in series.

2,071,600

GAME DEVICE

John F. Weliekens, New York, N. Y.

Application August 14, 1934, Serial No. 739,762
3 Claims. (Cl. 273—121)



1. In a game of the class described, an inclined playing field defined by a ball runway, a plurality of baffle elements, means for projecting the ball from the ball runway into engagement with said baffle elements, a plurality of parallel channels adapted to singly receive the ball from the baffle elements, rotatable means mounted in the playing field, said rotatable means having a plurality of ball receiving traps, and means for rotating said rotatable member, selectively to position any one of the ball receiving traps of the rotatable member in position to receive a ball from any one of said afore-mentioned channels in which a ball might be present.

2,071,601

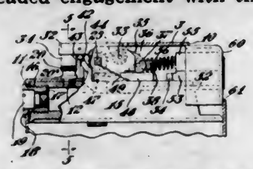
LIGHTER

Frederick A. Whittaker, deceased, late of Attleboro, Mass., by Sarah Jane Whittaker, administratrix, Attleboro, Mass., assignor to Marathon Company, Attleboro, Mass., a corporation of Massachusetts

Original application October 5, 1935, Serial No. 43,720. Divided and this application August 6, 1936, Serial No. 94,551
3 Claims. (Cl. 206—41.4)

1. In a combination lighter and case, a casing having upper and lower compartments, the side

wall of the upper compartment having an opening therein, a fuel reservoir disposed within the upper compartment, said reservoir having a threaded opening registering with the opening in said wall, a burner and lighter mechanism mounted on the top of said reservoir, and an interiorly and exteriorly screw-threaded sleeve projecting through the opening in said wall with its inner end in threaded engagement with the threaded



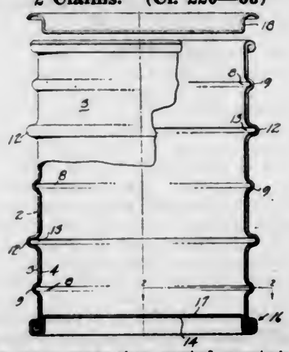
opening in said reservoir and its outer end snugly fitting within said opening in said side wall, said outer end having a peripheral flange clamped against the outer surface of the marginal portion surrounding the opening in said wall and providing a seal for preventing fuel from leaking into the interior of said casing, said sleeve and flange also providing a fastening element securing said reservoir and lighter mechanism to said casing.

2,071,602

NONCORROSIVE LINED CONTAINER

Richard S. Rheem, Oakland, Calif., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California

Application September 12, 1934, Serial No. 743,679
2 Claims. (Cl. 220—63)



1. In a non-corrosive metal container of the character described, a body member of relatively heavy sheet material, an end member of relatively heavy sheet material, a liner of a relatively thin sheet non-corrosive material formed separate of and covering the inner side of one of said members, the other of said members being metallic and non-corrosive on its entire inner surface, the edges of said members being rolled together to form a double seamed joint, the aforesaid lining extending into the joint and contacting as a packing the inner surface of each of the aforesaid two members within the joint.

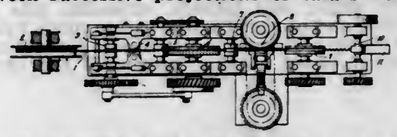
2,071,603

METHOD OF MAKING SLIDE FASTENERS

Martin Winterhalter, Wuppertal, Wichlinghausen, Barmen, Germany

Application August 15, 1933, Serial No. 685,295
In Germany July 20, 1932
5 Claims. (Cl. 29—148)

1. The herein described method of making multiple slide fasteners from a continuous wire blank which includes the steps of forming a series of regularly spaced projections along one side of the blank and two sets of regularly spaced projections along the opposite side of the blank with the projections of said sets disposed opposite and in alternation respectively with the projections of said series and in substantially the same plane therewith, then bending the wire blank portions between successive projections of said series to



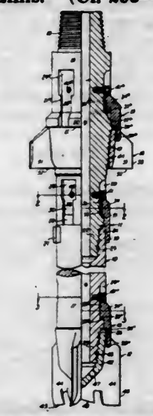
form a succession of spaced substantially U-shaped fastener members lying in substantially the same plane with the extremities of the adjacent legs of successive members connected by wire blank portions, then forming complementary lateral projections and recesses on opposite sides respectively of the U-shaped members, and then bending the blank portions which connect the successive U-shaped members to bring said members into substantial parallel planes.

2,071,604

WELL TOOL CONSTRUCTION

Jesse C. Wright, Los Angeles, and John H. Howard, Huntington Park, Calif.

Application November 26, 1934, Serial No. 754,762
5 Claims. (Cl. 255—61)



1. A well tool including two sections threaded together, at least three circumferentially spaced projections on one section, the other section having at least two circumferentially spaced grooves, and means for locking the sections against unthreading including a removable lock part adapted to be arranged in one of the grooves to project therefrom for cooperation with a projection, the projections and grooves being related so that a groove is located adjacent the plane of a projection to receive the lock part to cooperate with the projection when the sections are properly threaded together.

2,071,605

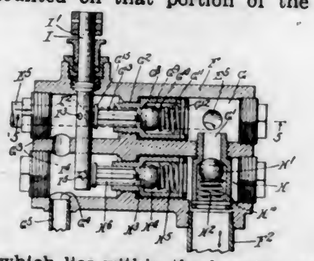
HYDRAULIC DRIVE

William C. Anthony and Lester Wachter, Streator, Ill., assignors to Anthony Development Company, Streator, Ill., a syndicate

Application December 15, 1932, Serial No. 647,390
3 Claims. (Cl. 60—52)

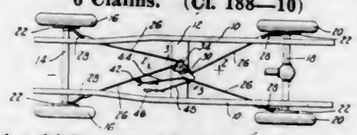
1. In combination in a hydraulic control apparatus, a housing, a supply conduit communicating

with the interior of said housing, for introducing thereto pressure fluid, a cylinder, a conduit from said housing to said cylinder, a return conduit from said housing, a partition within said housing, a plurality of openings therethrough, a ball check valve for each opening adapted normally to close it, push rods for said ball check valves positioned wholly within said housing, a control member positioned partially outside of and partially within said housing, extending into said housing and provided with separate contact parts, one for each of said push rods, said contact parts being mounted on that portion of the control



member which lies within the housing, an automatic ball check valve positioned within the housing and within the path of fluid from said supply conduit to said cylinder, and outside of the conduit from said housing to said cylinder, one of said first mentioned ball check valves effective, when open, to cause fluid entering the housing to be by-passed away from said cylinder conduit, to pass through the partition and to be discharged from the housing through said return conduit, another of said ball check valves, when open, effective to cause fluid to return from said cylinder, to pass through said housing and to be discharged therefrom into the return conduit.

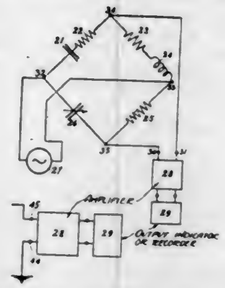
2,071,606
BRAKE
Harold G. Axtmann, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 12, 1934, Serial No. 706,355
6 Claims. (Cl. 188—10)



1. A vehicle having four brakes and a spring-supported chassis frame, a flexible conduit secured at its end to each of the brakes and secured to the frame at its other end, four cables, one passing through each conduit and arranged to operate the corresponding brake, the cables beyond the conduits being arranged at acute angles to the center line of the vehicle substantially in prolongation of the axes of the conduits and having their ends arranged adjacent each other approximately at the center of the vehicle, a driver-operated device angularly movable about a vertical axis and connected to said ends of the cables, and a pedal and a hand lever connected to said device and alternatively operable to actuate it to apply the brakes.

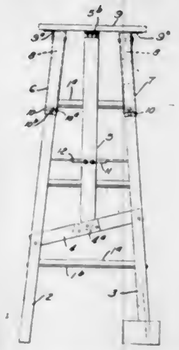
2,071,607
ELECTRIC HYDROMETER
Magnus Björndal, Jersey City, N. J.
Application December 13, 1933, Serial No. 702,122
5 Claims. (Cl. 175—183)

1. Apparatus for measuring the proportionate quantities of the components of a mixture of two liquids comprising means for utilizing the mixture as the dielectric of a condenser, insulating means preventing aberrations due to the conduc-



tivity of the mixture, electrical means for measuring the specific inductive capacity of the mixture, and means for directly converting the results into percentages.

2,071,608
AUTOMATIC LEVELING LADDER
Claude E. Bowers, Los Angeles, Calif.
Application December 28, 1934, Serial No. 759,496
9 Claims. (Cl. 228—29)

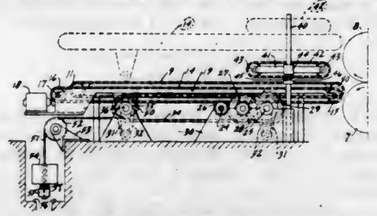


1. In a ladder, a platform, a pair of leg members pivotally mounted on said platform, each of said leg members composed of two telescopically mounted portions with the one portion of each shiftable within the other portion, a single strut member pivotally connected with said platform intermediate said legs arranged to swing parallel with said legs, a bar pivotally connected at each of its ends with said legs and supporting the free end of said strut member in pivotal relation therewith.

2,071,609
CATCHER TABLE FOR ROLLING MILLS
Charles E. Bowron, Birmingham, and Albanus G. Delany, Alabama City, Ala., assignors to Gulf States Steel Company, a corporation of Delaware
Application October 1, 1934, Serial No. 746,304
12 Claims. (Cl. 80—47)

1. In a mechanical catcher table for rolling mills, a table disposed to receive the stock discharged by the mill, a second table carrying live conveyor means driven in a direction to return stock to the mill, means automatically responsive to passage of stock on to the receiving table to produce

relative movement of said tables to shift the stock from the receiving to the returning table, and



means to hold the stock firmly engaged by said live conveyor means.

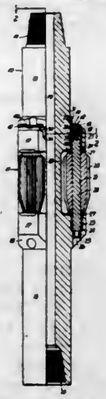
2,071,610
WRAPPING DEVICE
Simon Braude, Paris, France
Application March 30, 1933, Serial No. 663,623
In France March 30, 1932
2 Claims. (Cl. 229—46)



1. A wrapping device of the type described, which comprises, in combination, a single sheet of a suitable material provided with four parallel fold lines so as to divide the sheet into five parallel bands, and with two fold lines at right-angles to the first-mentioned ones, and further provided with slits extending in line with the first-mentioned fold lines and between the second-mentioned fold lines and the corresponding edges of the sheet, so as to form on the outer side of each of said second-mentioned fold lines four rectangular bands independent from one another and each of which is separated from one of the first-mentioned five bands by one of said second-mentioned fold lines, so that the sheet can be folded along said lines directly and without any previous operation in such manner as to form a rigid box, the first and the fifth of the first-mentioned bands overlapping each other and the four second-mentioned bands overlapping one another, so as to form the ends of the box when the sheet is in the folded position, all the elements thus limited by said fold lines and said slits being entirely free and independent from one another, except for their being connected through said fold lines, when the sheet is in the unfolded position, and at least one fastening string fixed to one of the second-mentioned bands, and means on the second of the five first-mentioned bands for fixing the free end of said string to said last-mentioned band.

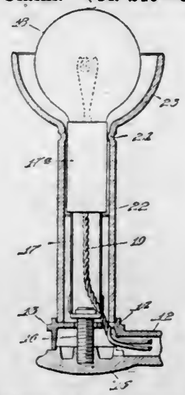
2,071,611
WELL REAMER
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application June 12, 1934, Serial No. 730,223
8 Claims. (Cl. 255—73)

1. In a well tool, a support having an opening and a groove intersecting an end of the opening, a flat surface on the support lying in a plane substantially parallel with the axis of said opening, a cutter carrying pin in the opening having a notch in one end, a member arranged against said surface and extending across an end of the opening to hold the pin against longitudinal displacement therefrom, a lug on the member co-



operating with the groove and notch to hold the pin against rotation, and means attaching the member to the support.

2,071,612
LAMP
Theodore Chanock, Chicago, Ill., assignor to Colonial Premier Company, Chicago, Ill.
Application February 24, 1936, Serial No. 65,312
1 Claim. (Cl. 240—81)

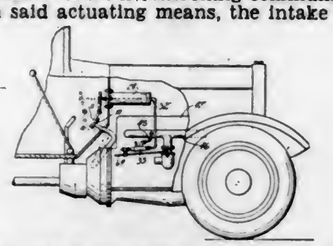


In a lamp structure including a bracket and an upstanding support secured thereto and supporting an incandescent lamp, an opaque elongated body portion surrounding said upstanding support, a semi-spherical shaped bowl having a translucent surface and formed integrally with said body portion and extending therefrom to surround the filament portion of said incandescent lamp, an annular bead positioned intermediate the support and bowl and adapted to secure said body against relative movement with respect to said support.

2,071,613
CLUTCH MECHANISM FOR COMBUSTION MOTORS
Albert Cohen, Chicago, Ill., assignor, by mesne assignments, to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application May 11, 1931, Serial No. 536,483
Renewed March 11, 1935
3 Claims. (Cl. 192—.01)

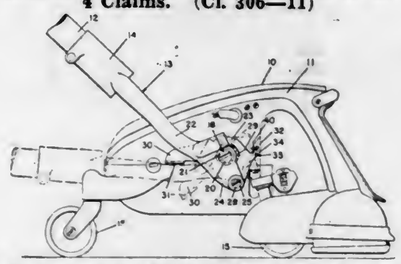
1. In a combustion motor, in combination with the clutch, the gas pedal, the intake manifold,

and means for actuating said clutch, of a valve comprising a chest having a spring controlled valve member therein controlling communication between said actuating means, the intake mani-



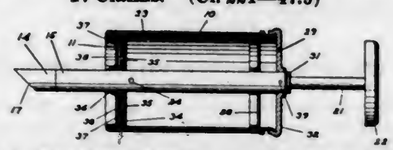
fold, and the atmosphere, respectively, and a spring controlled actuating member in said valve chest operated by said gas pedal and controlling said spring controlled valve member.

2,071,614
VACUUM CLEANER CONSTRUCTION
Kenneth Court, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application June 3, 1936, Serial No. 83,397
4 Claims. (Cl. 306—11)



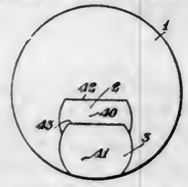
1. In a vacuum cleaner having a portable housing, a handle pivotally connected to the housing, latch mechanism for holding the handle in a predetermined position, said latch mechanism including a plate pivotally connected to the handle at a point spaced below the pivotal connection of the handle with the housing for swinging movement relative to the handle about an axis parallel to the axis of swinging movement of the latter, and a keeper on the housing cooperating with a portion of the latch plate to prevent swinging movement of the handle in one direction and being so located with respect to the pivotal support for the plate to permit the latter to be rocked in a direction to release the portion aforesaid of the plate from the keeper.

2,071,615
LUBRICATING DEVICE
John L. Creveling, near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application July 22, 1932, Serial No. 623,936
17 Claims. (Cl. 221—47.3)



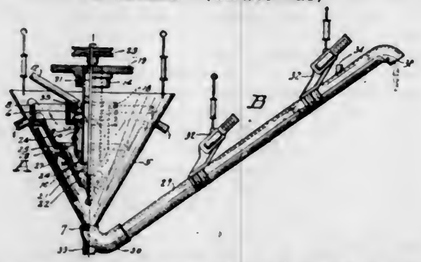
2. A lubricating device comprising a cylindrical original container of lubricant, a supporting cylinder telescoped within said container and extending substantially throughout the length thereof, and a pump associated with and extending concentrically through said cylinder, one end of said pump extending through a wall of said container and the other end of the pump extending through a wall of the supporting cylinder.

2,071,616
MULTIFOCAL LENS
Edward Culver and Stanley Alfred Emerson, London, England, assignor, by mesne assignments, to United Kingdom Optical Company, Limited (1936), London, England
Application November 9, 1934, Serial No. 752,305
In Great Britain June 29, 1934
2 Claims. (Cl. 88—54)



1. A trifocal lens comprising a major portion, an intermediate portion and a reading portion, said reading and intermediate portions being of different radii and having curved boundary lines, said intermediate portion having a substantially flat shouldered top line, the line between the reading and intermediate portions comprising a substantially flat line comprising a buried stepped portion, and curved lines joining the boundary lines of the reading and intermediate portions comprising buried curved portions, said curved portions also joining the buried stepped portion.

2,071,617
CLASSIFIER
Arthur C. Daman, Denver, Colo.
Application December 15, 1931, Serial No. 581,129
23 Claims. (Cl. 209—18)

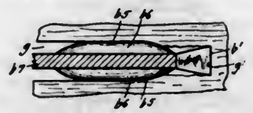


1. In classifying apparatus, a classifier comprising a settling vessel having an overflow for slimes and a bottom outlet for settling matter, a rotary open impeller in the lower portion of the vessel to impart an upward thrust to gravitating material, a feed tube in the upper portion of the vessel, having a discharge in a zone of the vessel immediately above the impeller, and a baffle-element providing a path for material moved upwardly by action of the impeller, and having outlets for gravitating constituents of the same.

2,071,618
METHOD AND MEANS FOR SAW-SURFACING AND CLEANING A SAW KERF
Arthur M. Ferrari and George M. Hoffman, Algoma, Oreg.
Application January 4, 1936, Serial No. 57,482
4 Claims. (Cl. 143—140)

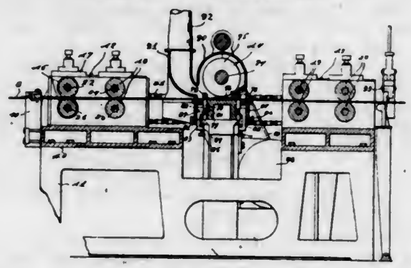
1. A saw blade provided with a plurality of spaced teeth extending along one edge, the points

of the saw teeth constituting ripping elements lying along a line defining the leading portion of said edge, certain portions of the faces of said teeth lying between said line and a line extending thru their roots being wider than said points and the thickness of the body of the saw blade,



said portions diverging in the direction of said latter line, lateral cutting edges formed along said diverging portions constituting laterally extending scraping or planing agencies for surfacing the sides of the kerf initially formed by said ripping elements.

2,071,619
STRIP MILLING MACHINE
William J. Fiegel, Detroit, Mich., assignor to Bohn Aluminum and Brass Corporation, Detroit, Mich., a corporation of Michigan
Application May 8, 1933, Serial No. 670,013
11 Claims. (Cl. 90—21)



1. In an apparatus of the class described for use in connection with a strip-like work piece, a machining device, feed rolls arranged on opposite sides of said machining device for presenting the work piece thereto, means for driving the feed rolls at different peripheral speeds and means for controlling the relative speeds of said feed rolls to regulate the rate of travel of said work piece.

2,071,620
CONVERTIBLE VEHICLE
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application December 14, 1934, Serial No. 757,534
23 Claims. (Cl. 105—243)



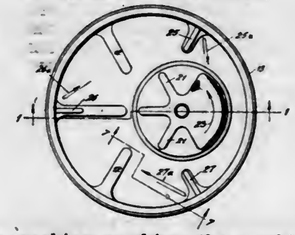
1. The combination of a vehicle adapted to support a demountable freight container, load retaining means having a positioning device adapted to rest on the vehicle and coact with the container, and a connection between the said means and the vehicle so arranged that the positioning device may stand over a platform on the vehicle in position to engage the container or may be moved laterally to free the container platform for the retaining of other freight by said means.

2,071,621
METAL BARREL
Fredrick Gettelman, Milwaukee, Wis.
Application February 4, 1933, Serial No. 655,177
4 Claims. (Cl. 220—10)



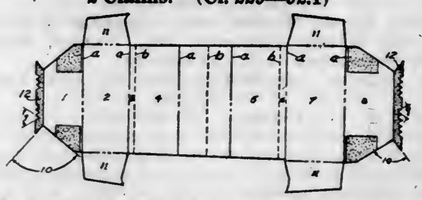
1. A barrel comprising the combination with an inner shell provided with a girth band encircling the shell in marginal connection therewith and centrally spaced therefrom, of sleeves encircling the end portions of said shell connected with said girth band in spaced relation to said shell, means positively spacing the end portions of said sleeve from the end portions of said shell and comprising an integral radially offset portion of each sleeve bridging the space between said sleeve and the adjacent portion of the shell connected with the shell, and heads in said sleeves enclosing the ends of said shell.

2,071,622
WASHING MACHINE
George M. Gibson, Davenport, Iowa, assignor to C. E. Butler
Application May 8, 1931, Serial No. 535,852
Renewed August 17, 1936
4 Claims. (Cl. 259—101)



1. In a washing machine, the combination of a tub, a rotatable shaft projected upwardly through the bottom of the tub, an agitator fixed to the shaft and being substantially circular in plan view, one sector of its top surface being substantially flat and smooth and being positioned above the surface of the tub bottom, the remaining sector of the top surface of the agitator being depressed and a series of radial blades positioned on the upper surface of said depressed sector of the agitator, the tops of said blades being in substantially the same horizontal plane as the top surface of said first mentioned sector.

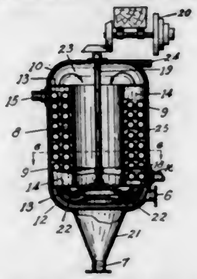
2,071,623
DUPLEX LETTER SHEET
Joseph Giordano, Philadelphia, Pa.
Application May 3, 1935, Serial No. 19,660
2 Claims. (Cl. 229—92.1)



1. A duplex letter sheet and return envelope, comprising two end sections each adapted to form

the front of an envelope and a plurality of foldable intermediate sections adapted to form letter sheets, said intermediate sections being provided with weakened lines adjacent the edge of the end section, leaving a narrow flap permanently attached to the end sections, a second weakened line intermediate said first mentioned weakened lines, the end portions being provided with flaps on the other three edges thereof of sufficient size and proportions to form with said narrow flap the back of an envelope.

2,071,624
HEAT TRANSFER APPARATUS
Walton C. Graham, Denver, Colo.
Application January 26, 1934, Serial No. 708,394
16 Claims. (Cl. 257—106)



1. Apparatus for the recovery of solids from solutions by crystallization, comprising a vessel having interiorly a path for liquid in a circulatory movement, an impeller to effect said movement, heat-transfer coils in said path, transverse to the direction of said movement, and diffusion vanes at opposite points in said path, controlling the movement of the liquid in the path.

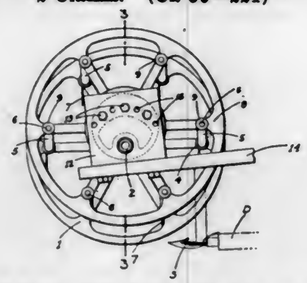
2,071,625
PRESERVATION OF PACKAGED FOOD PRODUCTS
Louis W. Haas, Chicago, and John W. Read, Glen Ellyn, Ill., assignors to The W. E. Long Co., a corporation of Illinois
No Drawing. Application June 3, 1931, Serial No. 541,954
11 Claims. (Cl. 99—172)

1. A method of preserving packaged bakery food products which consists in treating package material with a solvent containing volatile antiseptic agent expelling the solvent and then enclosing said products within said material whereby when said products are at a temperature above the surrounding atmosphere an antiseptic gas will be formed within the wrapper enclosing said products.

2,071,626
LEATHER SUBSTITUTE AND METHOD OF MAKING THE SAME
Frank Harris, Sharon, Mass., assignor to Plymouth Rubber Company, Inc., Canton, Mass., a corporation of Massachusetts
No Drawing. Application May 28, 1934, Serial No. 727,981
8 Claims. (Cl. 91—68)

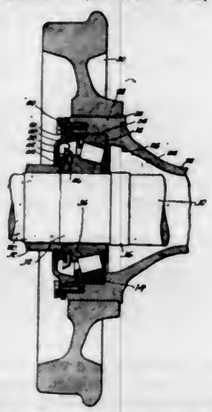
1. The method of making a leather substitute, which comprises adhesively applying flock to the surface of a woven cloth fabric, applying a binding saturant to said flocked surface, and subjecting said material to facial pressure while under tension.

2,071,627
PICK-UP REEL FOR HARVESTER
Oren W. Hawn, Woodland, Calif.
Application January 31, 1936, Serial No. 61,691
2 Claims. (Cl. 56—221)



1. A pick-up reel for harvesters, comprising spaced frame members, a shaft journaled at each end on one of said members and adapted to be driven, spaced spiders mounted on said shaft, circumferentially spaced rods turnably mounted in and extending between the spiders, pick-up fingers secured on and depending from the rods, a circular eccentric mounted on the shaft in offset relation thereto for rotatable adjustment thereabout, a control spider axially turnable on the eccentric and disposed adjacent one end of the reel, cranks on the ends of the rods between the control spider and the adjacent reel spider, a supporting plate mounted on the frame member adjacent the eccentric, said plate being formed with a series of bolt holes struck on an arc centered on the axis of the shaft, and said eccentric having a hole therein to selectively match with any one hole of said series, and a bolt extending through matching holes.

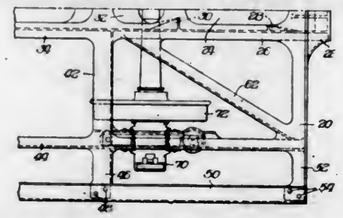
2,071,628
WHEEL AND AXLE ASSEMBLY
William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 1, 1931, Serial No. 554,492
31 Claims. (Cl. 308—214)



1. An anti-friction bearing comprising inner and outer racerings, rollers mounted therebetween, said rollers being frusto-conical, the outer racering having a cooperating frusto-conical bearing surface, the inner racering having a portion of the bearing surface frusto-conical cooperating with the frusto-conical surfaces of said

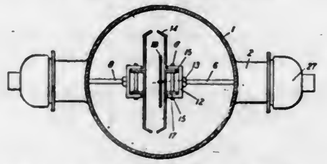
rollers and another portion gradually diverging to relieve load concentration from said frustoconical surface at a constantly increasing angle.

2,071,629
UNDERFRAME
William C. Hedgcock, Wilmette, and Robert B. Cottrell, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 13, 1933, Serial No. 702,152
20 Claims. (Cl. 105—414)



1. In a car underframe structure, the combination of a single piece integral casting including a center sill, said center sill having transverse means disposed in spaced relation to the end thereof, a transverse cross bearer substantially in alignment with said transverse means, an end sill, spaced draft sills disposed between said cross bearer and said end sill, pedestal sills connected to said end sill and cross bearer, and having journal pedestals formed with spaced plates, and a spring seat disposed between said plates and embraced thereby.

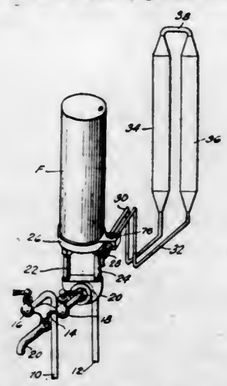
2,071,630
MULTIPLE ELECTRODE THERMIONIC TUBE
Ralph M. Heintz, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application July 18, 1932, Serial No. 623,139
1 Claim. (Cl. 250—27.5)



A thermionic tube comprising an envelope enclosing a filamentary cathode and a plurality of separate coplanar plate electrodes on each side of said cathode, portions of each plate on one side being disposed in parallel relationship with portions of each plate on the other side, each of the electrodes on one side having one edge thereof lying in close proximity with one edge of another of the electrodes on the same side, and each of said electrodes on one side having not less than two edges lying in close proximity with the edges of one plate on the other side.

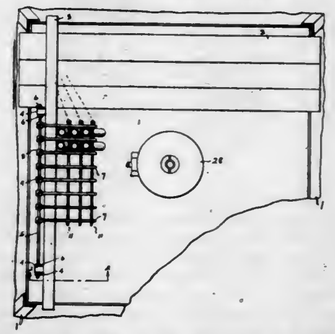
2,071,631
WATER PURIFYING AND COOLING SYSTEM
William R. Hildebrand, Chicago, Ill.
Application March 3, 1933, Serial No. 659,471
5 Claims. (Cl. 210—99)

1. In a water cooling system the combination of a water supply pipe, a fitting, vertical parallel pipes extending upwardly therefrom, connecting means joining said parallel pipes, a pair of standpipes having their upper ends connected together, a conduit extending to said standpipes from said connecting means and connected to the lower end of one of same, a return pipe to said connecting



means from said standpipes, connected to the lower end of the other standpipe, means forming an outlet from said return conduit, and means external of the standpipes for cooling the standpipes.

2,071,632
PIPE RACK
William C. Hollis, Houston, Tex.
Application September 19, 1935, Serial No. 41,274
2 Claims. (Cl. 211—60)

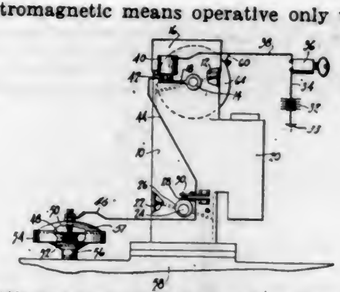


1. In pipe handling apparatus, a transverse derrick beam, a rod fixed in spaced relation to the beam, a series of fingers having bearings on the rod, said fingers being mounted for adjustment relative to each other and being rotatably mounted on the rod, means for securing the fingers against movement relative to the rod, said beam forming a support for supporting the fingers in horizontal position, said fingers having series of aligned bearings, and retaining rods fitted through said bearings.

2,071,633
FUEL MIXTURE CONTROL
Scott F. Hunt, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 29, 1932, Serial No. 640,299
19 Claims. (Cl. 123—119)

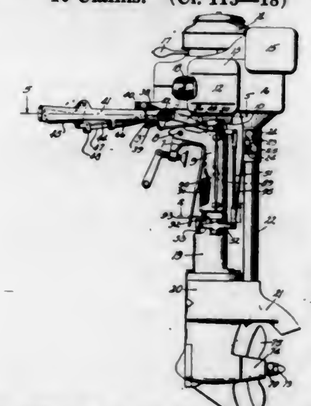
1. In a carburetor for an internal combustion engine or the like, a choke valve, a throttle, and

electromagnetic means operative only when the



throttle is in or near its closed position to exert a closing force on the choke valve.

2,071,634
CUSHION REVERSE DRIVE FOR OUTBOARD MOTORS
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application April 5, 1935, Serial No. 14,877
10 Claims. (Cl. 115—18)



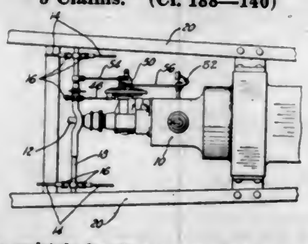
1. An outboard motor comprising the combination with an engine, a propeller, and driving connections including a reverser, of a reverse lever adjustable between different positions in the operation of said reverser, a detent fixing at least one of said lever positions, and an engine speed control means connected with said detent to be adjusted in accordance with detent movement, whereby engine speed control is a prerequisite to the movement of said lever.

2,071,635
METHOD OF BAKING
James F. Korda, Cleveland, Ohio, assignor to Thomas S. Donnelly, Detroit, Mich.
Application November 26, 1930, Serial No. 498,337
3 Claims. (Cl. 107—54)



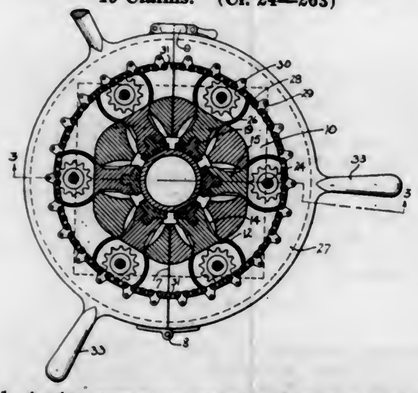
1. The method of baking hearth bread which comprises placing an elongated lump of dough on the hearth of an oven, and baking the lump of dough on the hearth while confining the longitudinal expansion of the dough to a predetermined length and while the bottom and top of the lump of dough are directly exposed to the heat of the oven, whereby a loaf of hearth bread of predetermined length and freely expanded top surface is formed.

2,071,636
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 30, 1933, Serial No. 654,314
5 Claims. (Cl. 188—140)



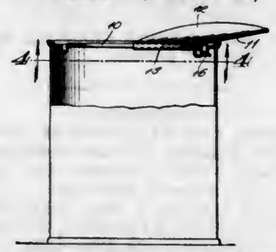
1. In a vehicle having an engine, a power drive shaft, a brake system including front and rear brakes, manually operable means to control the brakes, servo mechanism controlled by said manually operable means to apply the brakes comprising an auxiliary shaft, speed reducing means between the auxiliary shaft and the drive shaft, friction elements carried by the auxiliary shaft and relatively movable axially and angularly, connecting means between one of the friction elements and the auxiliary shaft, connecting means between the other of the friction elements and the brakes, means operable by said manually operable means to urge said friction elements into contact, and means operable by said manually operable means to apply the brakes in the event of failure of the servo means.

2,071,637
SLIP
Milton P. Laurent, Houston, Tex., assignor to W-K-M Company, Houston, Tex., a corporation
Application June 17, 1935, Serial No. 26,999
19 Claims. (Cl. 24—263)



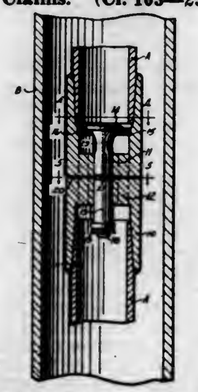
1. A pipe engaging device including a bushing shaped to fit within a rotary table, a downwardly tapered circular seat in said bushing, a plurality of spaced-downwardly and inwardly inclined slideways recessed into the seat of said bushing therein, slips having outer inclined faces to fit within said slideways, the inner faces of each of said slips having a single mortised recess open at the top but stopping short of the lower end of said slip, an insert having a tenon thereon engaging within each of said recesses, the forward faces of said inserts being toothed.

2,071,638
SPOUT FOR CANS
Otto J. Lauterbach, New Orleans, La.
Application June 9, 1936, Serial No. 84,348
2 Claims. (Cl. 221—23)



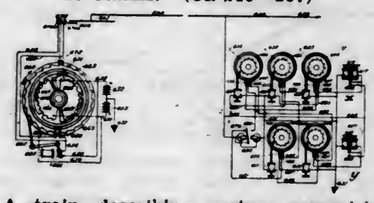
1. A spout of the kind described comprising a body forming an outwardly tapered trough-like lip having a rounded inner edge, a flange following said inner edge and having an outturned ridge forming a seat between it and the said lip for accommodating the edge of an open ing in a can top, and means associated with the flange to effect a latch for the fastening of the lip in place in the opening in said can top.

2,071,639
FLOW DEVICE
Jon R. Long, Fort Worth, Tex.
Application April 19, 1935, Serial No. 17,215
7 Claims. (Cl. 103—232)



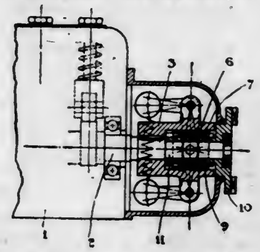
1. A flow device arranged to be connected in a well tubing within a well casing and including, a housing, a valve within the housing arranged to be reciprocated endwise by the well fluid within the tubing relative to a flow checking seat part of the housing whereby to open to permit upward flow of fluid through the tubing and to close to prevent downward flow of liquid through and from the tubing and means co-acting with the valve comprising communicable passages in the valve and housing to admit fluid under pressure from the well casing constantly into the housing below the valve seat part and into the tubing above said valve when the valve is closed, whereby the well fluid thereabove is elevated.

2,071,640
TRAIN DESCRIBING AND RECORDING SYSTEM
Matthew H. Loughridge, Bogota, N. J.
Application May 24, 1930, Serial No. 455,333
45 Claims. (Cl. 246—107)



1. A train describing system comprising a transmitting mechanism, a recording mechanism on the trackway, for making a permanent record, means partly on the trackway and partly on a passing vehicle for automatically initiating said transmitting mechanism and means for communicating electrical impulses in groups with distinctive characteristics from said transmitting mechanism to said recording mechanism.

2,071,641
CENTRIFUGAL GOVERNOR FOR INTERNAL COMBUSTION ENGINES
Gustav Lunn, Copenhagen, Denmark, assignor to Aktieselskabet Frichs, Aarhus, Denmark, a limited-liability company
Application July 17, 1934, Serial No. 735,658
In Denmark August 3, 1933
1 Claim. (Cl. 64—25)

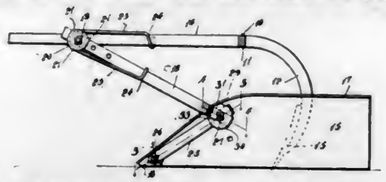


In combination, an internal combustion engine fuel pump having a driven shaft, a centrifugal governor support keyed thereon and having a tubular extension overlying the shaft end in concentric spaced relation, said extension being provided longitudinally with a pair of diametrically opposed slots, a rotary driving member having a sleeve freely rotatable on said shaft within said slotted extension, a collar axially slidable on said sleeve within said extension, drive lugs on said collar and engaged in the slots of said extension, centrifugal governor means on said support and in operative connection with said drive lugs whereby to move said collar axially as the governor operates, cooperative means on said sleeve and collar for rotating said collar and through it the governor support and driven shaft in synchronism with said driving member and sleeve, and said cooperative means effecting angular shifting between said driving member and the driven pump shaft as the collar is moved axially by operation of the governor.

2,071,642
CULTIVATOR SHIELD
Carl R. Machotka, Avoca, Wis.
Application May 5, 1936, Serial No. 78,023
3 Claims. (Cl. 97—188)

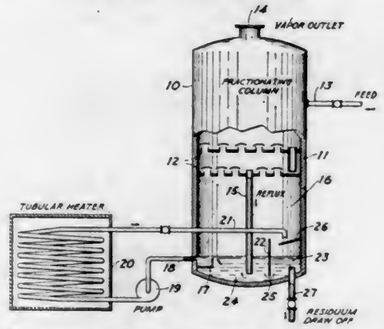
1. In combination with a cultivator having a frame and cultivating shovel, a shield disposed

at one side of the shovel, an arm mounting said shield, and means pivotally connecting the arm to the frame and resiliently urging the arm downwardly to maintain the shield in contact



with the ground, the last mentioned means comprising a bolt, a plate strung on said bolt, a spring having coils and arms connected to the frame and to the bar, and said plate having lugs bent over said coils.

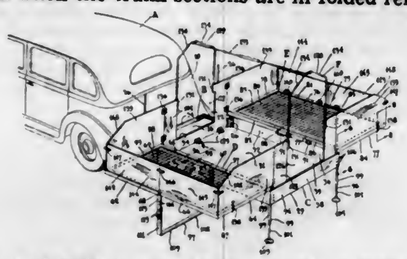
2,071,643
DISTILLATION OF OIL
Frank L. Maker, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application May 24, 1935, Serial No. 23,282
5 Claims. (Cl. 196—108)



1. An apparatus for distilling oil comprising a fractionating column, a separate oil heater, a reservoir for liquid, means in said reservoir dividing the same into a first chamber and a second chamber, a substantially unrestricted passage for liquid from said first chamber to said second chamber, means for conducting reflux from said fractionating column into said second chamber, means for withdrawing liquid from said second chamber at a point higher than the outlet of said last named means, passing said liquid through said heater and returning said liquid to said first chamber, and means for passing vapors from both chambers of said reservoir directly into said fractionating column.

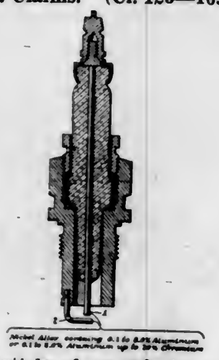
2,071,644
COMBINATION TRUNK, BED, AND TENT
John A. McBrady, Valley City, N. Dak., assignor of one-half to Ella M. Mangan, Valley City, N. Dak.
Application January 23, 1935, Serial No. 3,026
13 Claims. (Cl. 190—12)

2. In combination, a trunk comprising two trunk sections hingedly connected together and adapted to swing into extended or folded relation, the trunk sections when in extended relation forming a floor for a tent, end panels secured to said trunk sections and adapted to extend upwardly therefrom when the trunk sections are in extended relation, said end panels being adapted to be received between said trunk sections when the trunk sections are in folded rela-



tion, and a tent covering supported in erected position by said end panels.

2,071,645
ELECTRODE AND ELECTRICAL CONTACT
John McNeil, London, England, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application January 3, 1935, Serial No. 241
In Great Britain December 29, 1933
2 Claims. (Cl. 123—169)

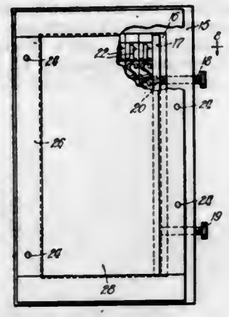


1. As an article of manufacture, a spark plug electrode adapted to resist corrosion and having improved resistance to erosion by the electric arc in the presence of corrosive products of combustion and constituted of a nickel alloy comprising about 0.1% to about 8% of aluminum diffused throughout the alloy, and the balance consisting essentially of nickel, said electrode having substantially the same composition throughout its cross section from the most interior region to the most exterior region.

2. As an article of manufacture, a spark plug electrode adapted to resist corrosion and having improved resistance to erosion by the electric arc in the presence of corrosive products of combustion and constituted of a nickel alloy comprising about 0.1% to about 8% of aluminum diffused throughout the alloy, an effective amount up to about 20% chromium, and the balance consisting essentially of nickel within a range of about 77% to about 95%.

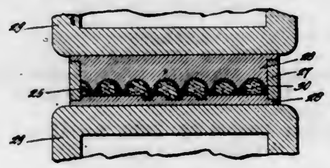
2,071,646
MEANS FOR MAKING RUBBER PRINTING TYPE AND PLATES
Louis Melind, Chicago, Ill.
Application December 16, 1932, Serial No. 647,562
8 Claims. (Cl. 18—44)

1. In a matrix frame, a plurality of bar members secured together to form a frame structure, differently shaped grooved means extending longitudinally along the inner edges of each of said members for securing a matrix in predetermined position within said frame and against displace-



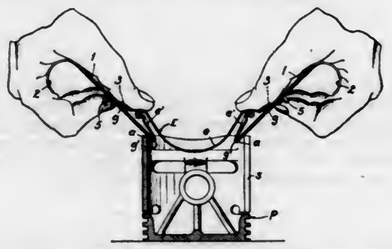
ment therefrom, and unequally spaced means formed in said bar members for aligning said frame upon a chase.

2,071,647
SHAPED RUBBER SPONGE
Vernon L. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application January 2, 1934, Serial No. 704,827
8 Claims. (Cl. 18—47.5)



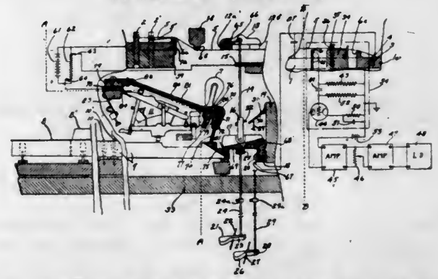
1. An integral body of rubber sponge, configured, and wherein the raised portions are of correspondingly lesser density than the depressed portions.

2,071,648
PISTON EXPANDER INSERTER
George J. Moeller, St. Louis, Mo., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application December 30, 1935, Serial No. 56,762
2 Claims. (Cl. 29—87.1)



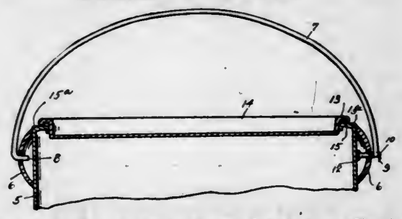
1. As an article of manufacture, an inserter for piston skirt expanders comprising an elongated plate-like member having a lug projecting from one side thereof adapted for engagement with an expander, and a stop lug adjustably mounted in said plate-like member and projecting from the side opposite to the first mentioned lug, said stop lug being adapted for engagement with the open end of a piston.

2,071,649
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn, and Charles T. Jacobs, New Providence, N. J., assignors to Miessner Inventions, Inc., a corporation of New Jersey
Application December 1, 1933, Serial No. 700,396
Renewed October 10, 1936
20 Claims. (Cl. 84—1)



1. The combination with a piano including a key, a pedal, and a string arranged for vibration upon and during key operation and for continuance of vibration during continued pedal operation after key release: of a translating system, normally possessing a given efficiency, for translating the vibrations of said string into electric oscillations; and means for causing said translating system to possess a different efficiency, said last mentioned means being responsive both to operation of said key and to said continued pedal operation.

2,071,650
COMBINED CAN BAIL AND OPENER
Joseph Nagele, Sheldon, Ill.
Application January 7, 1936, Serial No. 57,989
1 Claim. (Cl. 220—43)

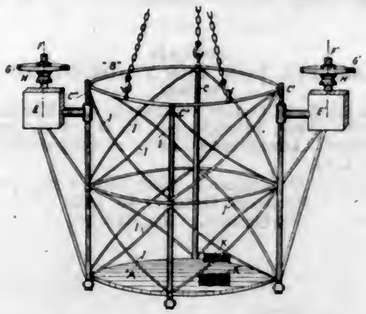


In combination with a can having a slip type lid, a bail, said bail being swingably connected to one end to the can, the other end of the bail being detachably connected to the can and provided with a laterally disposed tapering claw, said bail adjacent the claw being provided with a cam-acting offset disposed at right angles to the claw.

2,071,651
PROCESS AND DEVICE FOR DEGUMMING RAMIE AND OTHER SIMILAR FIBERS
David S. Neill, Genoa, Italy
Application September 25, 1935, Serial No. 42,002
In Italy August 27, 1935
6 Claims. (Cl. 92—14)

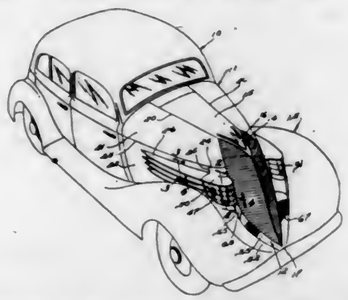
1. Process for degumming ramie and other like

fibers which comprises soaking the fibers in a solution of soft water and washing soap to soften



the gummy substance adhering to the fibers and subjecting the fibers to a vibratory motion.

2,071,652
VEHICLE BODY
Amos E. Northup, Pleasant Ridge, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application December 11, 1933, Serial No. 701,746
1 Claim. (Cl. 180—69)



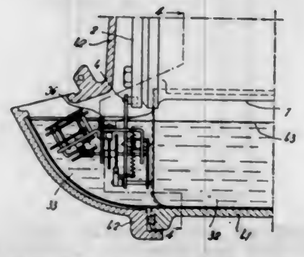
A vehicle body comprising a hood, a radiator shell at the front of the hood, openings provided in said shell for head lamps, transparent closures disposed at the front end of said openings, louvers disposed on said hood, means dividing said transparent closures in aligned relation to said louvers, and transparent elements for the sides of said shell in continuation of said closures.

2,071,653
BUILDING CONSTRUCTION
Richard M. Nyhagen, Jr., Chicago, Ill.
Application July 20, 1936, Serial No. 91,520
6 Claims. (Cl. 72—106)



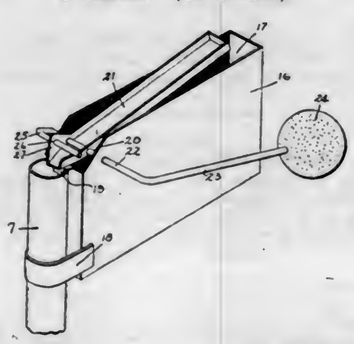
1. A unitary compressible filler for use as a pressure relieving joint in a wall structure comprising a sheet of metal bent upon itself to form an upper layer and a lower layer, said sheet having a plurality of raised portions spaced so that when said sheet is bent back upon itself the raised portions of one layer will contact unraised portions of the other layer.

2,071,654
ODOMETER FOR RAILWAY VEHICLES
Paul Paschen and Georg Mohr, Nuremberg, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application December 6, 1934, Serial No. 756,263
In Germany December 11, 1933
3 Claims. (Cl. 235—95)



1. An odometer for railway vehicles, comprising in combination with an axle and a bearing casing therefor, containing a lubricant for said axle, a registering mechanism and a driving gear associated with said registering mechanism and cooperating with said axle, said mechanism and said gear being secured in said casing below the level of the lubricant, whereby the latter acts as a damping element for the operating elements of said gear and said registering mechanism.

2,071,655
TOILET MEDICATOR
Carl Purrmann, Mayville, Wis., assignor of one-half to Dr. Vincent H. Helmbrecht, Mayville, Wis.
Application August 22, 1936, Serial No. 97,375
6 Claims. (Cl. 4—225)



1. In a device of the character described, the combination with a receptacle, of a strap connected with an end portion of said receptacle and adapted to receive an overflow pipe and a hook connected with the receptacle above the strap and engageable in the mouth of such pipe.

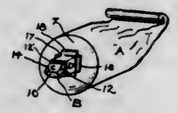
2,071,656
JETTY STRUCTURE
George William Rehfeld, Manhattan, Kans.
Application October 23, 1935, Serial No. 46,297
8 Claims. (Cl. 61—5)

3. In a jetty structure of the character described, a plurality of automobile chassis frames having side sills connected together in crossed angular relation whereby legs of differential length are provided, a chassis frame fixed longitudinally in the angle between the longer legs of the first named chassis frames, brace members connected with the longitudinal chassis frame and with the outer side sills of the outside crossed



chassis frames, laces secured to and extending between the legs for accumulating debris, and rods connected with the first named chassis frames at the points of crossing of the sills thereof and extending from one end thereof for securing said jetty to a river bank.

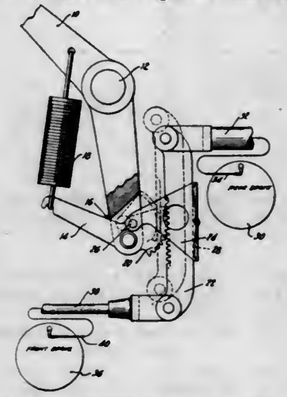
2,071,657
SELF-CLOSING NOZZLE FOR CONTAINERS
Gideon Richardson, Seattle, Wash.
Application December 28, 1935, Serial No. 56,487
4 Claims. (Cl. 221—60)



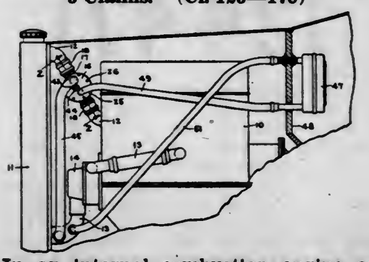
1. A self closing nozzle in collapsible tubes, comprising a lower hollow jaw integral with the tube, and projected from one end thereof, said jaw provided with flat base and upstanding sides and a front end sloped upward and outward from the base, a hollow upper jaw adjustably mounted over the lower jaw, cheek plates extending down from the upper jaw and slidably disposed over the said upstanding side of said lower jaw, the front end of said upper jaw sloped downward and outward, and normally resting against the outer end of said lower jaw, an elastic band wrapped around both jaws, for normally compressing the same in closed relation, and adapted to be stretched when the contents of said tube are compressed, said tube provided with an opening into said jaws for passage of said contents into said jaws.

2,071,658
BRAKE
Glyn Pierce Roberts, Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application September 17, 1935, Serial No. 40,954
In Great Britain February 27, 1935
8 Claims. (Cl. 188—204)

6. A brake operating connection including a balance bar, an operating member, and a two-armed lever having a spring connecting one arm to said member and having the other arm connected to said bar by means including a rack and pinion connection.



2,071,659
ENGINE COOLING AND CAR HEATING SYSTEM AND APPARATUS
Harry Rose, Plymouth, Ind.
Application September 6, 1934, Serial No. 742,904
3 Claims. (Cl. 123—178)

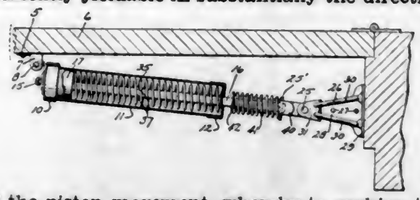


1. In an internal combustion engine cooling system comprising an engine jacket, a cooling radiator, a fluid connection from said jacket to said radiator, a fluid connection from said radiator to said jacket, and a pump for circulating fluid-cooling medium in said cooling system, a by-pass connection between said fluid connections, a throttle valve for controlling passage of fluid-cooling medium through said fluid connection from said jacket to said radiator, a throttle valve for controlling passage of fluid-cooling medium through said by-pass connection, a shaft supporting said throttle valves, and a thermostat for rotating said shaft to regulate said throttle valves, said thermostat being subjected to fluid-cooling medium which travels through said by-pass connection.

2,071,660
DOOR CHECK
Alfred J. Schulz and Herbert H. Schulz, Milwaukee, Wis.
Application January 22, 1934, Serial No. 707,743
4 Claims. (Cl. 16—66)

1. In a door check device, the combination with a pair of brackets mounted for relative movement, of a cylinder member and a piston member in operative assembly, means limiting the outward movement of the piston member with respect to the cylinder member materially short of the end thereof, and means connecting the said members with respective brackets, the means con-

necting one of said members with its bracket being resiliently yieldable in substantially the direction



of the piston movement, whereby to cushion the engagement of said limiting means.

2,071,661

APPARATUS FOR AND METHOD OF PREVENTING UNAUTHORIZED REMOVAL OF VEHICLE TAGS

Robert J. Schuyler and John U. Shanklin, Lawton, Okla.

Application January 14, 1935, Serial No. 1,692
2 Claims. (Cl. 40—125)



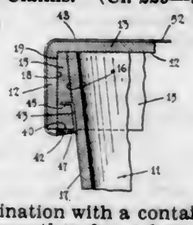
1. In a device of the class described the combination with a plate support permanently fixed to the vehicle and having a perforation therethrough, and with an identifying plate having a perforation therethrough and having a number thereon, of a bolt passing through the two perforations, said bolt having a transverse aperture and a nut on the bolt, a frangible identifying strip passing through the aperture and preventing removal of the nut and having a number thereon, both of said numbers being of identical configuration and so disposed as to be simultaneously visibly displayed, and a lock for locking the two ends of the strip together, and securely holding said plate support, plate and said strip together against removal without irreparable injury to said strip.

2,071,662

CONTAINER AND HOOP CONSTRUCTION

Swan Smith, White Bear, Minn., assignor to David C. Shepard, St. Paul, Minn.

Application March 2, 1933, Serial No. 659,270
8 Claims. (Cl. 229—5.5)



4. In combination with a container open at one end and a cover therefor, a laminated hoop encircling the open end of the container and a plurality of fasteners therefor, each of said fasteners being formed at one end with an eye and at the other end with prongs and elongated portions connecting said eye with said prongs, said elongated portions being disposed between the outer surface of the container and the inner surface of the hoop and the prongs of said fasteners being imbedded in said hoop.

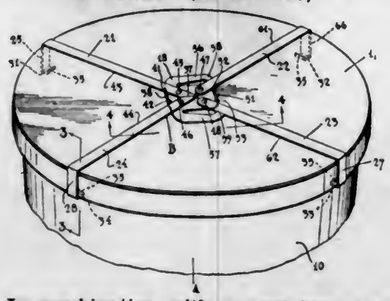
8. A hoop constructed from a continuous strip of a thin flexible material wound upon itself to form convolutions secured one upon the other, said convolutions differing in width, the narrowest of said convolutions being disposed upon the interior of the hoop.

2,071,663

COVER FASTENER

Swan Smith, White Bear, Minn., assignor to David C. Shepard, St. Paul, Minn.

Application June 3, 1935, Serial No. 24,657
16 Claims. (Cl. 229—5.7)



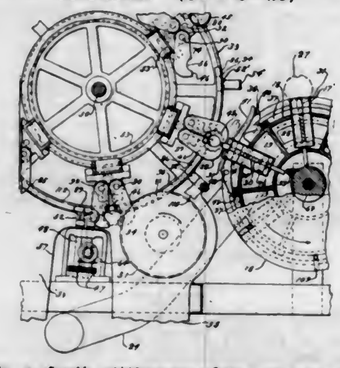
8. In combination with a container open at the top, a cover for closing the open end of the container, a fastener for holding the cover in place, said fastener comprising a mounting plate, a plurality of arms secured to said mounting plate, at different localities thereon and being all at their localities of attachment in the same plane, one of said arms being pivoted to said plate, fastening means on the container, and complemental fastening means on each arm, said complemental fastening means on the pivoted arm being movable into a position to free the fastener from the container.

2,071,664

FRUIT PITTING MACHINE

Ingolf E. Sneva, Chicago, Ill., assignor to Ideal Machine Company, Chicago, Ill., a corporation of Illinois

Application August 30, 1934, Serial No. 742,036
15 Claims. (Cl. 146—28)



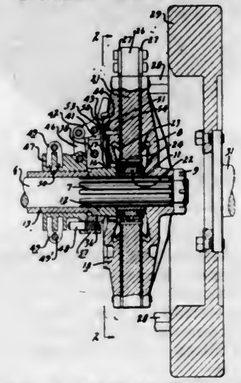
3. In a fruit pitting machine, means for receiving fruit comprising a rotatably mounted wheel having a plurality of chambers spaced apart and positioned adjacent the periphery of the wheel, a fruit receiving cylinder slidably mounted radially in the periphery wall of each of the chambers, the ends of the cylinders being open, and means for varying the air pressure in each chamber as the wheel rotates.

2,071,665

POWER TRANSMISSION MECHANISM

Oscar L. Starr, Mission San Jose, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

Application April 3, 1934, Serial No. 718,780
1 Claim. (Cl. 192—68)



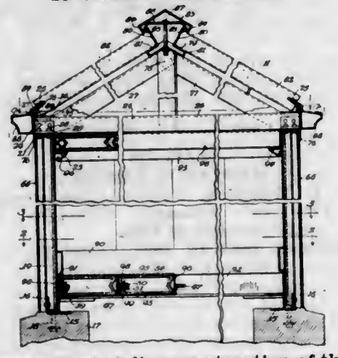
In a clutch, a shaft, a plate secured on said shaft, a collar secured on said shaft and spaced from said plate, a shiftable plate mounted on said collar for rotation therewith and for axial movement with respect thereto, a drive plate journaled about said shaft between said first-mentioned plate and said shiftable plate, axial movement of said shiftable plate toward and away from said first-mentioned plate serving respectively to determine and interrupt a drive from said drive plate to said shaft, a plurality of radially disposed recesses formed in said shiftable plate, and a plurality of spring members mounted in said recesses with their inner ends overlapping said collar, said spring members urging said shiftable plate to drive interrupting position.

2,071,666

SECTIONAL METALLIC BUILDING CONSTRUCTION

Joseph Sylvan, Chicago, Ill.

Application March 25, 1935, Serial No. 12,875
18 Claims. (Cl. 189—1)



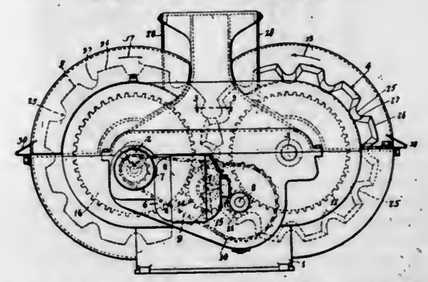
1. A metallic building construction of the character described embodying a supporting frame structure, means anchoring the frame to a base, said frame embodying uprights and cross beams secured together to provide a self-supporting structure, hollow metallic wall elements supported by said frame structure, and interlocking means between the proximate edges of adjacent wall elements.

2,071,667

PEACH SPLITTER

Albert R. Thompson, San Jose, Calif., assignor to Pacific Machinery Company, San Francisco, Calif., a corporation of California

Application February 16, 1935, Serial No. 6,863
15 Claims. (Cl. 146—73)



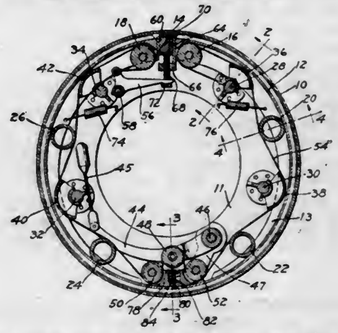
1. In a peach splitting device, the combination of a pair of discs having pit receiving notches in their peripheries, said discs being sharpened at their edges around said notches, means for rotatably supporting the discs with their edges overlapping and in shearing relation, the disc being so formed that a peach is adapted to be impaled upon one of said discs over one of said pit receiving notches, and means to rotate the discs to substantially completely sever the flesh of the peach and then the pit of the peach into halves as the peach is propelled by engagement of the pit in said notch.

2,071,668

BRAKE

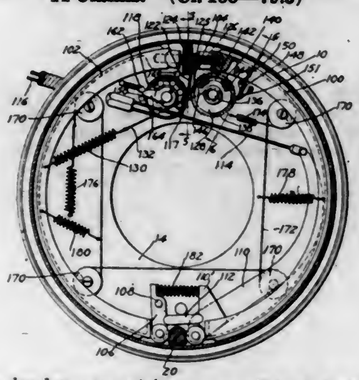
Frank L. O. Wadsworth, East Liberty, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 27, 1932, Serial No. 625,115
10 Claims. (Cl. 188—78)



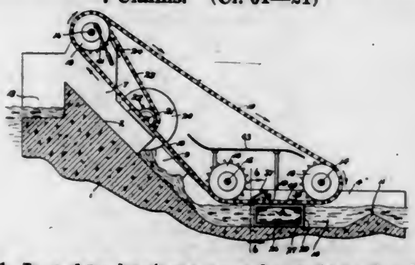
1. A brake comprising a drum, friction means therein, a pair of fixed supports, a flexible tension member associated therewith and adapted to be stretched into chordal relation with said drum, and a compression member located between said shoe and said member, adapted to bend said tension member away from the drum.

2,071,669
BRAKE
Frank L. O. Wadsworth, East Liberty, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 27, 1932, Serial No. 625,116
11 Claims. (Cl. 188—79.5)



9. A brake comprising normal and auxiliary actuating mechanisms, automatic adjustment means for said brake operable upon actuation of said auxiliary mechanism, and means suspending adjustment thereof during heated brake conditions.

2,071,670
FISH CONVEYER
Faye Warner, St. Joseph, Mich.
Application November 4, 1935, Serial No. 48,081
7 Claims. (Cl. 61—21)



1. In a dam having a race for water extending down its inclined down-stream side and a distance in front of the foot of the dam, said race carrying water in a continuous stream from above to below the dam, the combination of an endless conveyer mounted on said dam and over said race, a bucket carried by the conveyer having an open end and a hinged closure at the opposite end, said bucket being carried by the conveyer into said race with its open end first entering the race, and said bucket having foraminous sides for the passage of water, a latch for holding the closure closed, and stationary means for automatically tripping the latch when the bucket is carried to the top of the dam to release said closure for opening.

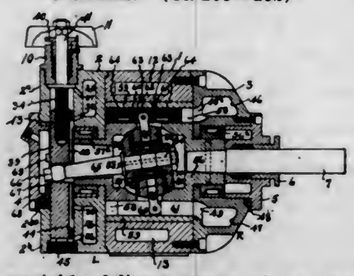
2,071,671
ELECTRODE AND METHOD OF MAKING THE SAME
William H. Welch, Cuyahoga Falls, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio
Application January 26, 1934, Serial No. 708,407
2 Claims. (Cl. 148—12)

1. The method of making electrodes which comprises drawing an ingot of nickel alloy to wire form, and before the last drawing operation subjecting the wire to a heat treatment consisting of "soaking" it at the critical temperature of



recrystallization within a range of 1200° F. to 1600° F. according to a duration of treatment of 6 hours to 2 hours, respectively.

2,071,672
VARIABLE DELIVERY PUMP
Preston Whitcomb, Kenmore, N. Y., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey
Application June 26, 1935, Serial No. 28,391
9 Claims. (Cl. 103—162)

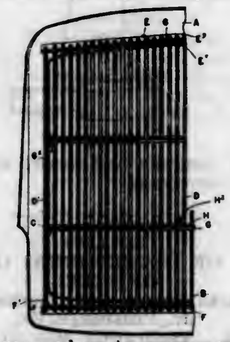


1. A variable delivery pump of the type described comprising a stator having inlet and discharge passages in the walls thereof, a rotor journalled in said stator having a plurality of axial channels intermittently communicating with said passages as the rotor revolves, pistons slidably mounted in said channels, a ring member journalled in said rotor, a piston rod extending from the ring to each of said pistons, a spindle journalled in said ring, adjustable means mounted on the stator for varying the angle between the spindle and the axis of the rotor, said adjustable means including a plunger slidably mounted in the stator and having an aperture therein into which the end of the spindle fits and means for applying fluid pressure on opposite ends of said plunger to balance it.

2,071,673
RADIATOR FRONT
George E. Whitlock, Toledo, Ohio, assignor to The City Auto Stamping Company, Toledo, Ohio, a corporation of Ohio
Application April 15, 1935, Serial No. 16,503
3 Claims. (Cl. 293—54)

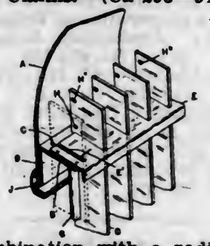
1. The combination with a radiator shell, of flanges secured within the upper and lower portions of said shell to extend across the same and provided with rearwardly opening spaced slots, pressed sheet metal grille bars of U-shaped cross section, cross bars slotted in their forward edges

to correspond in position to the slots in said flanges, said cross bars being engaged with said grille bars from the rear side of the latter and being positioned to lie adjacent respectively to said flanges with the grille bars in engagement with the slots thereof, intermediate cross bars formed in pairs slotted respectively through their



forward and rear edges to correspond in spacing to the slots in said flanges and engaging said grille bars from front and rear thereof, being rigidly secured to each other, the ends of said intermediate cross bars being secured to the sides of said shell and said top and bottom cross bars being rigidly secured to the adjacent flanges on the shell.

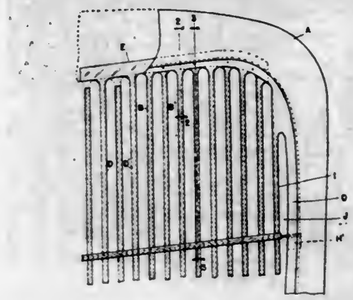
2,071,674
GRILLE CONSTRUCTION
George E. Whitlock, Toledo, Ohio, assignor to The City Auto Stamping Company, Toledo, Ohio, a corporation of Ohio
Application May 27, 1935, Serial No. 23,745
3 Claims. (Cl. 293—54)



1. The combination with a radiator shell of flanges, secured to the inner face of the shell and extending transversely thereof and rearwardly therefrom, said flanges being provided with a series of parallel slots opening through the rear edges thereof, a series of solid comparatively thin grille bars engaging said slots, bars slotted through their forward edges to register with the slots in said flanges, said bars being arranged adjacent and secured to said flanges to lock said grille bars in position and hollow longitudinally slotted beads having a snap engagement with said bars to impart thereto the appearance of a heavier and more substantial structure.

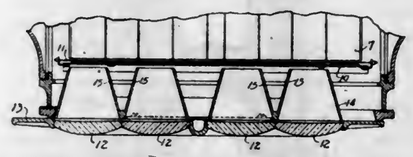
2,071,675
COMBINED RADIATOR SHELL AND GRILLE
George E. Whitlock, Toledo, Ohio, assignor to The City Auto Stamping Company, Toledo, Ohio, a corporation of Ohio
Application June 10, 1935, Serial No. 25,901
2 Claims. (Cl. 293—54)

1. A combined radiator shell and grille comprising an annular shell portion of rounded cross sectional contour and having a depressed marginal portion surrounding the front opening and a series of grille bars integral with the shell extending across said opening and formed from the metal between the sides of the annulus, said bars being of a U-shaped cross section with the bends



of the U's arranged in a plane spaced forward from said depressed marginal portion, the opposite ends of said bars merging into said portion, and separately formed integral bars arranged between said integral bars and having their opposite ends underlapping and secured to the depressed marginal portion of said shell.

2,071,676
LENS FOR INDICATING DEVICES
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application January 31, 1936, Serial No. 61,729
7 Claims. (Cl. 88—1)

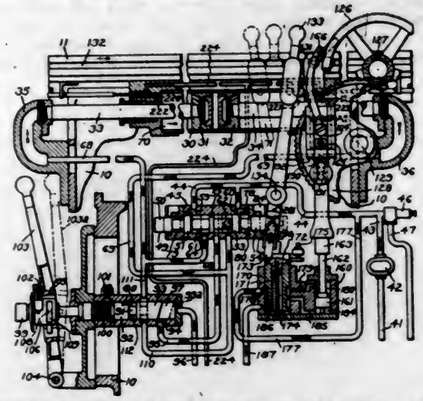


4. In an indicating device, in combination, a horizontal series of lenses arranged in contiguous relation, each of said lenses having a spherical front face and a concave back in the form of a cylindrical surface curved about a vertical axis.

2,071,677
HYDRAULICALLY OPERATED GRINDING MACHINE
Wallace H. Wood, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 23, 1934, Serial No. 741,119
12 Claims. (Cl. 51—95)

1. A hydraulically operated grinding machine having a rotatable grinding wheel and a work support which are movable longitudinally and transversely relative to each other, a fluid pressure system including a piston and cylinder operatively connected to cause said relative movement, means including a piston type reversing valve to convey fluid under pressure to either end of said cylinder, means including a reversing lever and adjustable dogs arranged on the relatively movable members to shift said valve to a neutral or central position, and a resilient connection between said lever and valve to shift the reverse valve slightly beyond a neutral or

central position to admit fluid under pressure into fluid pressure chambers in the ends of said



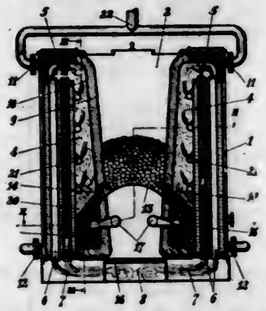
reversing valve which serve to shift the valve by fluid under pressure into a reverse position.

2,071,678

GAS GENERATING BOILER FOR CENTRAL HEATING

Julien Bellay, Brussels, Belgium

Application October 5, 1935, Serial No. 43,762
In Belgium May 11, 1935
10 Claims. (Cl. 122—5)



1. A generating boiler including a fuel hopper, a fire box receiving the fuel from the hopper by gravity, means for admitting gasifying air to the fuel, the space in the furnace above the fire box forming a combustion chamber, means for admitting air to support the combustion of the gas within the combustion chamber, and means opening through the fuel in the fire box to provide a pilot for the ignition of the gas following interruption of the flow of gasifying air for any purpose.

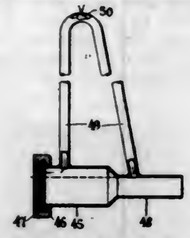
2,071,679

VENDING CONTAINER

Max E. Bretschger, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.

Application December 18, 1933, Serial No. 703,021
3 Claims. (Cl. 221—23)

2. A dispensing container comprising a vessel having an opening in the periphery thereof, a spout comprising an inner conduit and an outer nozzle portion attached to said vessel at said opening, and a conduit having fluid communication with said first named conduit and said nozzle curved to form a handle for turning said vessel, and means in said second named conduit communicating with the atmosphere whereby air



enters said conduits and vessel when liquid is discharged therefrom.

2,071,680

METHOD OF DETERMINING GRAIN SIZE OF STEEL

William Darke Brown and Charles V. Foerster, Jr., Pittsburgh, Pa.

No Drawing. Application May 21, 1934, Serial No. 726,873
4 Claims. (Cl. 23—230)

1. A method of determining the inherent grain size of steel, including dissolving at least a portion of the steel in a solvent in which the colloidal or finely dispersed oxides in said steel are insoluble, whereby to produce a solution whose relative turbidity indicates the relative inherent grain size of said steel.

2,071,681

CEMENTITIOUS COMPOSITION AND PROCESS OF MAKING THE SAME

Lorrin T. Brownmiller, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 12, 1933, Serial No. 675,460
15 Claims. (Cl. 106—24)

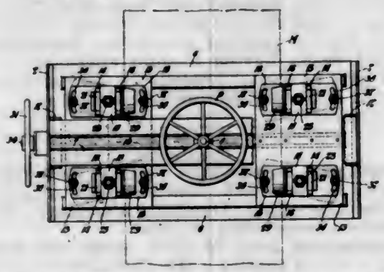
5. Roofing material having a cementitious coating comprising a hydraulic cement and a soluble fluoride as an aid in the prevention of efflorescence, said fluoride comprising substantially between two and ten percent by weight of the hydraulic cement.

2,071,682

APPARATUS FOR GUIDING AND ALIGNING STRIP MATERIAL

Dario Buccicone, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

Application May 20, 1936, Serial No. 80,913
8 Claims. (Cl. 271—2.6)



1. An apparatus for guiding strip material comprising a support, strip tensioning means

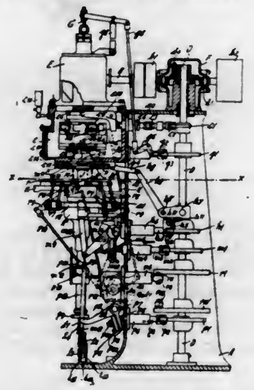
mounted on said support, and guiding means movable on said support, said guiding means including a housing provided with superimposed roller units therein with one of said roller units movable relative to the other.

2,071,683

MACHINE FOR SEAMING LIDS ON CANS

Frank Oscar Levi Chorlton, Bury, England

Application December 5, 1934, Serial No. 756,165
In Great Britain December 14, 1933
9 Claims. (Cl. 113—24)



1. In a machine for seaming lids on cans, in combination;—a horizontal driving shaft; a vertical shaft; a seaming head driven by said vertical shaft; spur gearing connecting the vertical shaft to the driving shaft; radially movable seaming rollers carried by the seaming head, a horizontally slidable cam-operated member, means connecting the said member to the seaming rollers by which the latter are moved radially by the said member, a cam for operating the slidable member; a vertically movable table in alignment with the seaming head, a horizontally slidable cam-operated member, connecting means between said member and the table by which when the member is moved horizontally the table is moved vertically, a cam for actuating the said member; lid stacking means; means for conveying the cans to a position in alignment with the stack of lids, then onto the moving table and thence to the discharge end of the machine, cams to operate the said conveying means; a lid locating and clenching mechanism adapted to transfer the lowermost lid of the stack of lids onto a can and to clench it in position thereon, a lever adapted to operate the mechanism, a horizontally slidable cam-operated member, means connecting the said member to the said lever to operate it, a cam to operate the said member; a vertical cam shaft; a friction clutch comprising two elements with plain frictional surfaces pressed into abutting contact by adjustable springs, one of which elements is connected to the cam shaft; speed reducing gear connecting the other element to the driving shaft; the parts of the several connecting means primarily operated by the several above recited slidable cam-operated members being spaced in vertical succession in and with the said members moving in a common vertical plane passing through the axis of the cam shaft; the cams recited as operating the said members being mounted on the said cam shaft, each having a cam surface the generatrix of which is a line maintained parallel with the axis of the cam shaft.

2,071,684

BADMINTON RACKET

John B. Dickson, Northampton, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a corporation of New Jersey

Application May 26, 1934, Serial No. 727,826
2 Claims. (Cl. 273—73)



CARNEGIE LIBRARY OF

1. A badminton racket comprising a head having a bow of wood, a grip member spaced apart from the bow, and a connection between the bow and grip comprising a single separate tubular metal rod and a cloth fabric sleeve connecting the said tubular metal rod and the wooden bow and united to both.

2,071,685

FASTENING

Frank H. Ellsworth and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

No Drawing. Application January 21, 1935, Serial No. 2,838
3 Claims. (Cl. 85—10)

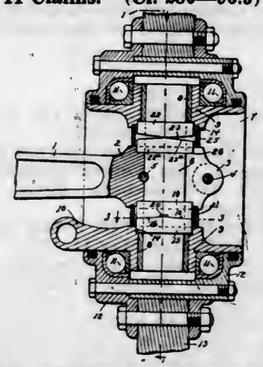
1. A metal fastening constructed for frictional insertion in wood and characterized by having a coating consisting of any of the resins of glycerolphthalic acid, said coating adhering firmly and tenaciously to said fastening and having a high coefficient of friction with wood.

2,071,686

MOTOR VEHICLE

Clayton E. Frederickson, Chicago, Ill.

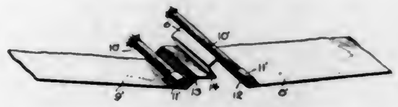
Application October 3, 1934, Serial No. 746,731
11 Claims. (Cl. 280—96.3)



1. In motor vehicles, an axle, a vertically disposed pivot pin carried by the axle without caster

effect, means securing the pin to the axle to extend above and below the same, a steering hub having bearings journalled on said pin, a wheel rotatably mounted on said hub and means mounted on said pin and hub for continuously tending to maintain the axis of the hub in alignment with the axle.

2,071,687
FLASHING
Leo Friedberg, New Brunswick, N. J.
Application November 11, 1935, Serial No. 49,279
14 Claims. (Cl. 72—127)



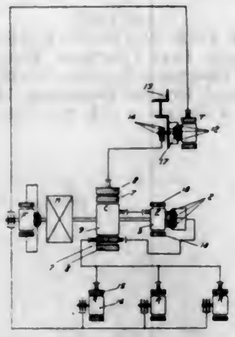
2. A through wall flashing comprising a sheet of metal having transversely extending strengthening ribs having spaced angularly disposed walls, and relatively long oppositely inclined water-draining surfaces joining the bases of said rib walls and being angularly arranged with respect thereto.

2,071,688
METHOD OF PRODUCING PHOTOGRAPHIC DYESTUFF IMAGES
Béla Gaspar, Brussels, Belgium
No Drawing. Application December 7, 1932, Serial No. 646,212. In Germany December 9, 1931
15 Claims. (Cl. 95—6)

1. A method of producing from at least one light sensitive silver halide emulsion layer arranged on a support and having incorporated therein dyestuff forming substances, photographic dyestuff images by the use of both a chemical substance reacting with and producing a dyestuff from the said dyestuff forming substances at all points where such dyestuff forming substance is present and of a chemical substance which locally destroys the coloring matter in proportion to the metallic silver present in the layer, which consists in exposing and developing the light-sensitive material and finally removing the silver image in a known manner after the formation of the dyestuff image, a solution of the dyestuff-producing substance being applied to the material at a point in the process after exposure, and a solution of the locally destroying agent being applied to the material at a point in the process not prior to development, and not after the removal of the developed silver image.

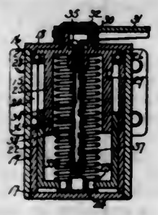
2,071,689
DISTANT TRANSMISSION OF ANGULAR MOVEMENTS
Elie Granat, Paris, France, assignor of one-half to Compagnie des Forges et Acieries de la Marine et D'Homecourt, Paris, France, a French company
Application May 1, 1936, Serial No. 77,427
In France May 11, 1935
8 Claims. (Cl. 172—239)

1. A system for distant electric transmission of angular speeds comprising a main transmitter machine including an armature and a field piece adapted to rotate at a constant speed one with reference to the other, means for exciting same with polyphase current having a frequency the value of which is proportional to that of the speed to be transmitted increased by a constant amount, at least one receiver including two windings adapted to rotate one with reference to the other, means for feeding the first receiver winding with a polyphase current of constant frequency, means for reducing the frequency of the



current fed by the main transmitter by a second constant amount adapted to give it a value equal to that of the current feeding the first receiver winding increased by a value proportional to the speed to be transmitted and means for feeding the current thus reduced passing out of the last-mentioned means to the second receiver winding.

2,071,690
DOOR CHECK
Grant Hammond, Hamden, Conn., assignor of one-half to Cary S. Clifton, Short Beach, Conn.
Application March 24, 1934, Serial No. 717,254
13 Claims. (Cl. 16—65)

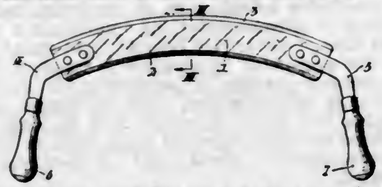


1. A door check including a cylinder, a chambered actuator with its mouth opening inward and its closed end in proximity to the end of the cylinder and rotatable therein, a hub projecting from the actuator through the end of the cylinder, an arm secured to said hub and having means for connection to a stationary support, a piston having a closed end and an open end into which said acuator telescopes, an operative connection between said actuator and piston to cause longitudinal movement of the latter as an effect of rotation of the actuator, the latter closely fitting within said piston, and means housed within said actuator and piston and acting against the closed ends thereof for forcing them apart.

2,071,691
DRAWKNIFE
Paul V. Hayford, Warrior's Mark, Pa., assignor of one-half to Jane H. Gates, Philadelphia, Pa.
Application February 1, 1936, Serial No. 61,907
1 Claim. (Cl. 145—28)

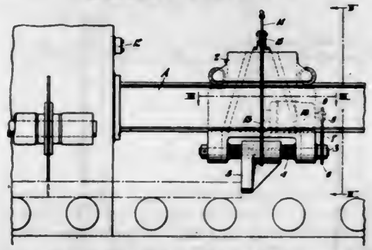
A tree-bark stripping draw-knife comprising a narrow, flexible blade with sharpened edges,

adapted to flex into conformity to a tree over a considerable arc, and handles attached to the



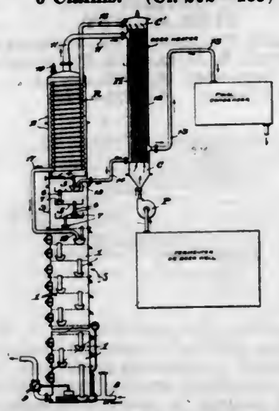
blade ends for thus flexing it and moving it along the tree, while held flexed, to remove the bark.

2,071,692
ADJUSTABLE HOT SAW GAUGE
William W. Hill, Pittsburgh, Pa.
Application May 29, 1936, Serial No. 82,629
4 Claims. (Cl. 29—67)



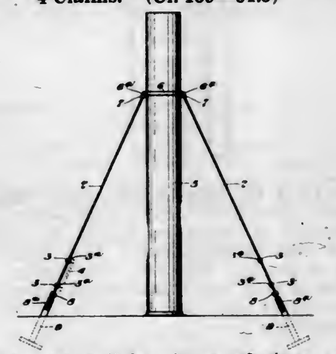
1. An adjustable hot saw gauge comprising a gauge frame, a shaft carried by said frame, a stop mounted on said shaft, supporting means for said gauge frame, said gauge frame movable on said supporting means for preliminary length adjustment, means on said frame adapted to obtain a positive movement of said stop along said shaft in either direction and means adapted to raise said stop out of the path of the material.

2,071,693
APPARATUS FOR DISTILLING SPIRITUOUS LIQUORS
Thomas Joseph Hines, Louisville, Ky.
Application November 16, 1933, Serial No. 698,337
3 Claims. (Cl. 202—159)



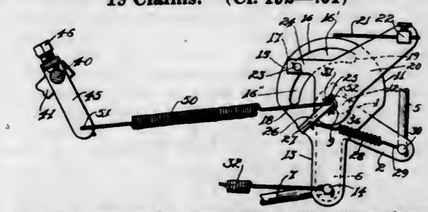
1. A distilling apparatus including a still column, a beer heater including beer conducting tubes surrounded by a jacket, said jacket communicating with the upper end of the still, a coil arranged within the upper end of the still column communicating with the beer tubes of the heater, said coil having its other end led out of the still, a heater for the latter portion of the coil, and said coil leading back into the still to discharge the beer therein, a pan located beneath said coil within the still to receive condensate from the coil, a backings heater connected to said pan to receive and to heat the condensate collected in the pan, means for returning the condensate into the still column, means for conducting vapors from the heater jacket to a final condenser, valve means for controlling the flow of vapor to the final condenser, a backings condenser into which the vapor may be directed by manipulation of certain of said valve means, a return pipe from the backings condenser to said collecting pan, and a pipe connecting the lower end of the beer heater jacket to the backings heater.

2,071,694
TENSION CABLE AND METHOD OF APPLYING SAME
James Forrest Howe, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 14, 1932, Serial No. 642,645
4 Claims. (Cl. 189—31.5)



1. As a new article of manufacture, a prestretched tension cable and a marking element or elements fixed to said cable at at least one determined point from the ends thereof while the same is under a further and determined tension.

2,071,695
CONTROL MECHANISM FOR CARBURETORS AND THE LIKE
Robert B. Hyde, Syracuse, N. Y.
Application November 11, 1935, Serial No. 49,277
19 Claims. (Cl. 192—.01)



1. In a device for controlling the throttle valve of a carburetor or the like, manually operable means for opening the throttle valve, said means including means for maintaining the said throttle valve in open position, and means for rendering said last-named means inoperative to permit the return of the throttle valve to its idling position,

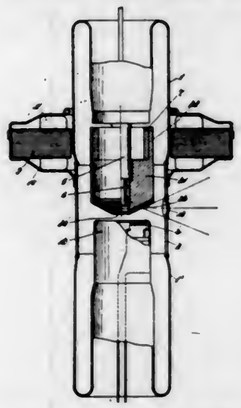
said last named means permitting the throttle valve to be controlled without disturbing the means which normally serves to maintain the throttle valve open.

2,071,696

ANODE CONSTRUCTION FOR DISCHARGE TUBES HAVING ROTARY ANODES

Gottfried Bruno Jonas, Eindhoven, Netherlands, assignor to C. H. F. Müller Aktiengesellschaft, Hamburg, Germany

Application February 19, 1934, Serial No. 712,027
In Germany March 16, 1933
7 Claims. (Cl. 250—35)



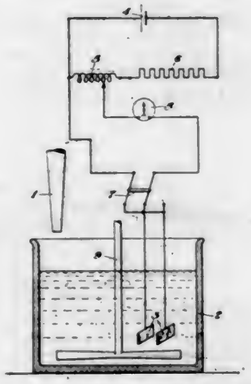
1. In an X-ray tube of the rotary anode type, an anode comprising a cylindrical anode body of copper, and a target consisting of a radially pleated thin tungsten sheet, said copper body having a grooved end face conforming to the rear face of said target, said target being secured to said copper body and being in intimate contact therewith.

2,071,697

VOLUMETRIC ANALYSIS APPARATUS

Clifford P. Larrabee, Pittsburgh, Pa.

Application September 12, 1932, Serial No. 632,869
2 Claims. (Cl. 175—183)



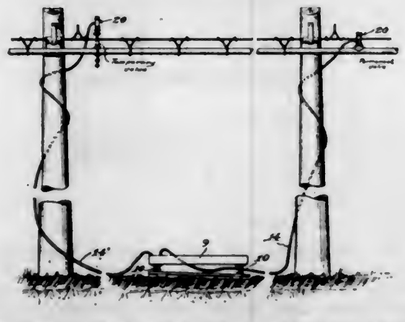
1. Apparatus for determining the titration end point during a volumetric analysis, including the combination of a pair of electrodes, one of said electrodes being made of gold and the other of said electrodes being made of platinum, means including a galvanometer for indicating a sustained flow of electricity between said electrodes after the end point of titration is reached, said galvanometer having a sensitivity of around about .125 microampere, said electrodes each being not less than .25 square inch in area and separated not more than .25 of an inch, or being of proportionate areas and proportionately separated.

2,071,698

LOCATING DEFECTS IN CABLE SHEATHS

Adolph Z. Mample, Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application February 1, 1936, Serial No. 61,855
6 Claims. (Cl. 137—77)



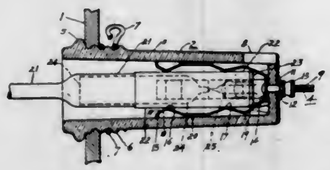
1. The method of detecting and locating defects in the sheaths of lead sheathed cables, which consists in placing a section to be tested under gas pressure, recording the difference in gas pressure between adjacent pairs of points in the sheath, at a series of locations along said section, and determining from the differential pressure thus obtained where the greatest drop in pressure occurs, in the readings of adjacent pairs of points thereby locating the position of the defect.

2,071,699

TUBE SOCKET

Thomas Martin, Pittsburgh, Pa., assignor of one-third to Hugh E. McLennan, Pittsburgh, Pa.

Application December 10, 1935, Serial No. 53,787
7 Claims. (Cl. 173—328)



1. In a socket, the combination of an open ended housing made of insulating material and having a smooth continuous inner wall, a gripping finger extending longitudinally within the housing and secured to the closed end thereof, abutments on said finger adjacent the ends thereof and in direct engagement with the wall of the housing for supporting said finger, and a pair of contact points spaced longitudinally on said finger intermediate of said abutments for

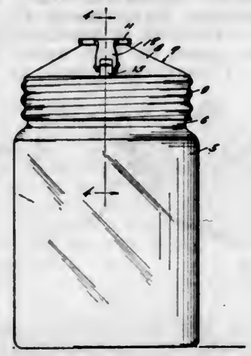
engaging and gripping an inserted object, said outer abutment being in sliding engagement with the inner wall of the housing.

2,071,700

CONTAINER CLOSURE

Theodore McPhail, Fort Hancock, N. J.

Application April 29, 1936, Serial No. 77,065
1 Claim. (Cl. 221—6)



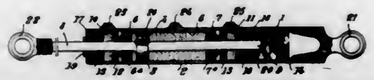
A closure of the character described comprising a receptacle top structure of frusto-conical shape having an opening at the top thereof, the lower portions of the inclined side portions of the cap being bulged outwardly to define elongated ribs, segmental closure members adapted to swing together over the said opening to close the same, each of these segmental closure members being provided with a bifurcated arm adapted to straddle the upper end portion of a rib, the crotch portions of the said bifurcated portions of the arm being beveled so as to avoid the upper end portions of the ribs and to stop against the outer portions of the rib when the segmental closure members are in open position.

2,071,701

SHOCK ABSORBING APPARATUS

Jacques Gustave Méjean, Chatou, France, assignor to Societe Bronzavia, Courbevoie, France, a society of France

Application January 9, 1936, Serial No. 58,367
In France January 28, 1935
7 Claims. (Cl. 192—88)



1. A damping device for vibrations, comprising in combination a cylinder, a piston movable in said cylinder and dividing said cylinder into two chambers filled with an unfreezable liquid, a passage of restricted section connecting said chambers, a piston rod extending from each face of said piston, a pair of walls at each end of said cylinder having axial passages for permitting said piston rod to slide therethrough, each pair leaving between them a space filled by an auxiliary liquid different from said unfreezable liquid, means carried by the inner walls of said pairs for preventing said liquids from mixing together, and packing means, carried by the outer walls of said pairs, for preventing the auxiliary liquid from leaking out past said outer walls.

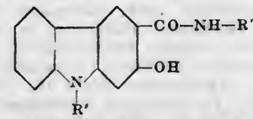
2,071,702

HYDROXYCARBAZOLE CARBOXYLIC ACID ARYLAMIDES

Friedrich Muth, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 4, 1932, Serial No. 603,208. In Great Britain September 21, 1931
4 Claims. (Cl. 260—46)

1. Hydroxycarbazole carboxylic acid arylamides of the general formula:



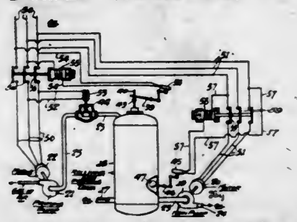
wherein R' stands for a member selected from the group consisting of: alkyl, aralkyl, a radical of the benzene series and a radical of the naphthalene series, and R'' stands for a member selected from the group consisting of: a radical of the benzene-, naphthalene-, carbazole- and indole series, being generally white to grey, crystalline substances, partially soluble in aqueous caustic alkalies, generally soluble in alcoholic caustic alkalies and being valuable intermediate products for the manufacture of azodyestuffs in substance, on a substratum or on the fibre.

2,071,703

AUTOMATIC SUCTION PRIMER FOR OIL FIELD SERVICE

Bernard Stanley Nelson, New Orleans, La., Henry Edward Chambers, Jr., and John Gerald Norton, Dallas, Tex., assignors to A. M. Lockett and Company, Limited, New Orleans, La., a corporation of Louisiana

Application December 11, 1934, Serial No. 757,056
1 Claim. (Cl. 103—113)



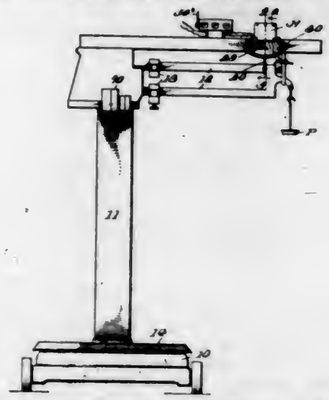
An automatic primer for a pumping system comprising a receiving line, a vertical cylindrical combined liquid receiving and priming chamber having a liquid inlet at its lower section in communication with said receiving line, said liquid inlet being provided with a pipe having an upturned section within and at the bottom of said chamber for the vertical and upward introduction of the liquid within said chamber, an independent liquid outlet disposed at the bottom and opposite side of said chamber from that of said liquid inlet, an upper accumulated gas outlet provided with a normally closed cut-off valve, a normally operative main pump having its suction end in communication with said liquid outlet, a vertical tube axially arranged within and connected to the top of and communicating with the bottom section of said chamber below the upper end of said upturned pipe section, means controlled by the level of the liquid within said receiving and priming chamber for controlling the actuation of said normally operative main pump in communication with said liquid outlet, an independent and normally in-

operative second pump in communication with said gas outlet for removing liberated gas within said chamber, and a movable float within said vertical tube and controlled by the level of the liquid within said tube for simultaneously actuating said normally closed cut-off valve and said normally inoperative second pump.

2,071,704
PROCESS FOR PRODUCING TETRAHYDROFURFURYL ALCOHOL
Wilhelm Normann and Hermann Prückner, Chemnitz, Germany, assignors, by mesne assignments, to Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany
No Drawing. Application June 16, 1932, Serial No. 617,685. In Germany November 7, 1931
4 Claims. (Cl. 260—54)

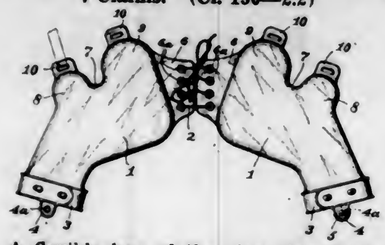
1. The process of preparing tetrahydrofurfuryl alcohol comprising heating furfural at a temperature of 110° C. to 200° C., under a superatmospheric pressure, in the presence of hydrogen and a catalyst containing essentially a member of the group consisting of nickel, copper and cobalt and chromium compounds of said metals, said catalyst being present in an amount not substantially less than 10% of the weight of furfural treated, and in the absence of water.

2,071,705
APPARATUS FOR INDICATING AND RECORDING WEIGHING OPERATIONS
Leonard Ober, Baltimore, Md., assignor, by mesne assignments, to Controlled Weights, Inc., Baltimore, Md., a corporation of Maryland
Application July 13, 1934, Serial No. 735,062
8 Claims. (Cl. 265—5)



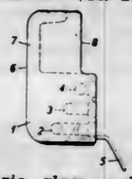
1. The combination with a weighing device, of means actuated when an increasing load on the weighing device approaches a predetermined amount and operating to give an amplified indication of the approach of the load to said predetermined amount, fixed contact means, contact means moved with said actuated means and cooperative with the fixed contact means for circuit closing, one said contact means having individual contacts separated by insulation from one another at a point corresponding to the indication of said predetermined amount, the other said contact means having a lesser width than the corresponding dimension of said insulation, means operative for recording the total number of weighing operations, and separate circuits each including one of said individual contacts and each including a separate recording device for recording whether the load at each said weighing operation is over or under a predetermined range of tolerance including said amount, said insulation being effective to prevent operation of said separate recording devices when the load is within said predetermined range of tolerance.

2,071,706
WATER BAG OR THE LIKE
Milton B. Reach, Springfield, Mass., assignor to The Stopperless Water Bottle Co., Chicopee, Mass., a corporation of Massachusetts
Application August 20, 1935, Serial No. 37,064
7 Claims. (Cl. 150—2.2)



1. A flexible bag of the class described comprising a plurality of similar separate flexible bag body portions for holding ice or water or the like, said flexible bag body portions each having an elongated portion of reduced width, said elongated portions diverging angularly from each other when spread apart and having a reentrant space between them, a filling opening for each of said bag body portions with closure means related thereto, and cooperating fastening means associated with the ends of said elongated portions to be connected together producing a bag of flaring form.

2,071,707
ELECTRIC FURNACE FOR MELTING GLASS
Jakob Regenstreif, Berlin-Charlottenburg, and Ottokar Sorge, Berlin-Wilmersdorf, Germany, assignors to Patent-Treuhand-Gesellschaft fuer Elektrische Gluehlampen m. b. H., Berlin, Germany
Application February 26, 1935, Serial No. 8,374
In Germany March 2, 1934
7 Claims. (Cl. 13—6)

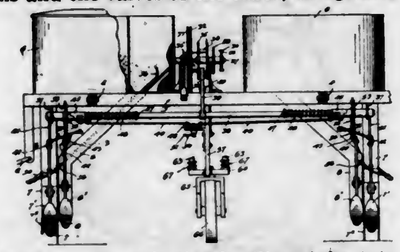


1. In an electric glass melting furnace, an electrode comprising a conductive body having means for supplying a cooling fluid thereto, said means being constructed so that the distance between the active surface of the electrode making contact with the body of glass and the portions of the supply of fluid is increased from the bottom part towards the top part of the electrode.

2,071,708
CORN PLANTER
Lloyd Rhodus, Kelso, Wash., assignor to Herbert H. Vertrees, Pittsfield, Ill.
Application October 19, 1934, Serial No. 749,049
5 Claims. (Cl. 111—16)

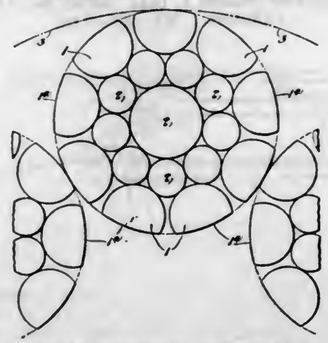
1. A planter including in its construction, and in combination with a secondary frame carrying

seeding mechanism, a seed delivery tube container for a fertilizer, a fertilizer tube leading from each container, and a valve for each tube, a shaft, means for rocking the shaft, lever arms affixed to the shaft, linkage connecting the lever arms and the valves of the tubes, an agitator ex-



tending up through the fertilizer tube into the container for the fertilizer, and mechanism operatively connecting the agitator with the shaft for imparting movement to the said agitator from said shaft in the direction of and through the fertilizer of the container.

2,071,709
WIRE STRAND
Harvey W. Riddle, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application February 21, 1936, Serial No. 65,152
3 Claims. (Cl. 117—16)



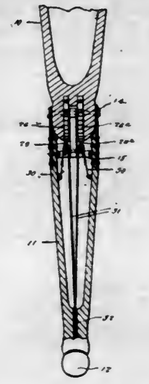
1. A method including intertwisting circular wires into a strand and removing sufficient metal from at least some of the outer ones of said wires to make them non-circular.

2,071,710
IGNITION COMPOSITION
Alfred Schmid, Berlin-Dahlem, Germany, assignor to Oswald F. Wyss, Zurich, Switzerland
No Drawing. Original application August 27, 1932, Serial No. 630,702. Divided and this application November 28, 1933, Serial No. 700,147. In Germany August 28, 1931
2 Claims. (Cl. 52—27)

2. Safety ignition mixture ignitable by friction on friction surfaces, consisting of a mixture of substances yielding oxygen, semi-pyrophoric iron, zinc dust, abrasive substances and binding agents.

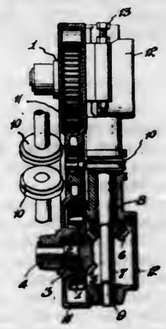
2,071,711
AUTOMATIC KNEE-LOCKING DEVICE
Hugh W. Sprouls, Portland, Oreg.
Application July 17, 1935, Serial No. 31,923
1 Claim. (Cl. 3—2)

In an artificial limb of the character described, a stump socket, a leg, a pivot joint between the socket and the leg at the knee and disposed above the leg, a foot, a joint between the leg and the foot at the ankle, and means controlled by the relative movement of the leg and foot at the ankle for locking the knee joint to prevent buckling of the limb at said joint upon shifting of the weight to the toe or heel portion of the foot, and for automatically releasing the knee joint upon release of the weight, said locking means including arcuate rack bars secured to the pivoted end of the stump socket, dogs pivotally mounted within the leg and engageable with the rack bars



upon relative movement of the leg and stump in the bending of the limb at the knee for locking the joint at the knee against buckling forwardly, one of said dogs being longer than the other, and means for moving the dogs into and out of engagement with the rack bar incidental to the action taking place at the ankle joint of the limb incidental to walking, said last named means including a pusher extending through the leg and connected at one end with said dogs, and having a free end provided with divergent branches extending through openings in the leg at the ankle at opposite sides thereof.

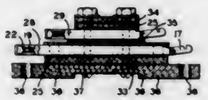
2,071,712
ROLL STAND UNIT FOR A CONTINUOUS REDUCING MILL
Heinrich Stüting, Witten-on-the-Ruhr, Germany
Application May 18, 1934, Serial No. 726,379
In Germany May 24, 1933
1 Claim. (Cl. 80—34)



A roll stand unit for a continuous reducing mill, comprising a housing having parallel front

and rear walls in close spaced relation, a plurality of cooperating grooved rolls forming a substantially closed pass for the workpiece, the front and rear housing walls having work openings in line with the pass, a carrier for each roll pivotally mounted on one of said housing walls and extending inward toward the pass, a roll spindle mounted in bearings on each carrier and extending radially of the pivotal axis of the carrier and having the roll mounted on its inner end, a bevel gear for driving each roll mounted on the other housing wall to turn about an axis in alignment with the pivotal axis of the roll carrier, a bevel pinion on the outer end of each roll shaft meshing with its bevel gear, and means for driving said bevel gears at equal speed.

2,071,713
TERMINAL CLIP AND DISTRIBUTING BLOCK
John B. Terrill, Jr., New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 25, 1932, Serial No. 613,535
8 Claims. (Cl. 173—324)

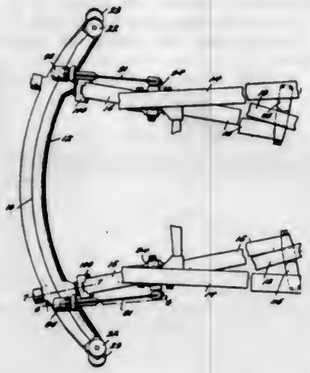


1. A terminal clip for an electric conductor comprising a pair of cooperating conductor gripping jaw supporting members, one of which is composed of a metal of good contact conductivity and the other of which is composed of a stiff resilient material of a different nature, said jaw supporting members being fulcrumed on each other and curved outwardly relative to each other over a substantial portion of their length so as to produce a shifting fulcrum as the members are pressed together to open said jaws.

7. A terminal block comprising a support having a group of terminal strips extending therethrough and terminating at one end in soldering lugs and in the opposite ends in wire gripping jaws, and a second group of corresponding terminal strips extending through said support and being spaced from the first set, individual cabled conductors extending to the soldering lugs of each group of terminal strips and looped conductors extending between the wire gripping jaws of one group and those of the other group said looped conductors being disposed to a side of the block different from that adjacent which the gripping jaws are arranged whereby said looped conductors do not interfere with free access to said gripping jaws.

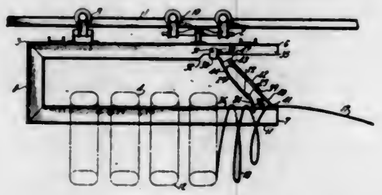
2,071,714
MOTOR VEHICLE
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 21, 1932, Serial No. 600,347
4 Claims. (Cl. 267—66)

1. In a vehicle, the combination with an axle, vehicle frame members, springs for supporting the frame members on the axle, a substantially horizontal radius rod connected to said axle, a shaft extending through one of said frame members and supported for oscillation about an axis transverse to the longitudinal axis of the vehicle, said shaft being secured to said radius rod, and a shock absorber mounted on the last named frame member, said shock absorber being con-



nected to said shaft and actuated upon oscillation of said shaft.

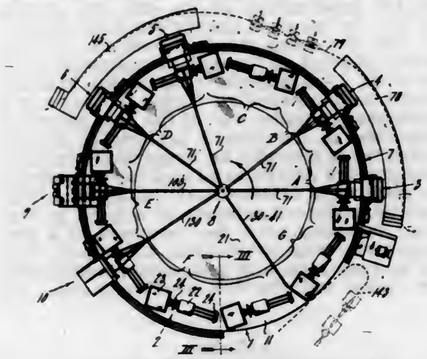
2,071,715
ROD AND WIRE HANDLING MECHANISM
Frederick A. Westphal, Kansas City, Mo., assignor to Sheffield Steel Corporation, Kansas City, Mo., a corporation of Delaware
Application March 1, 1935, Serial No. 8,894
11 Claims. (Cl. 242—128)



1. In an apparatus of the character described, means for suspending a coiled bundle of rods or wire, and primary and secondary clicker members carried by said suspending means and cooperating with said suspending means to regulate successive withdrawal of convolutions from said bundle from off said suspending means, one of said clicker members having double contact with the suspending means to permit alternate engagement thereof with said convolutions during withdrawal of said convolutions from the bundle.

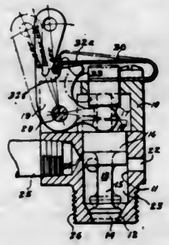
2,071,716
APPARATUS FOR MANUFACTURING TIRES
George F. Wikle, Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application May 31, 1935, Serial No. 24,183
13 Claims. (Cl. 154—10)

1. A tire building mechanism comprising a conveyor having a plurality of tire building machines carried thereby, a supporting track mounted exteriorly of and substantially parallel to the conveyor, an anchoring means disposed above the conveyor, a plurality of machines resting on said track for supplying component parts of a tire, connecting means between the anchoring means and the supplying machines, and means for causing said tire building machines to successively cooperate with said supplying machines during con-



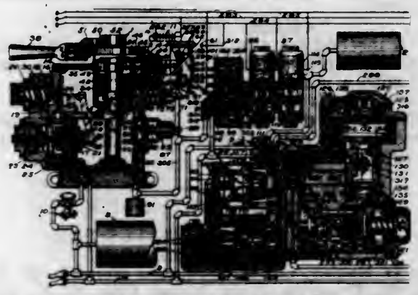
tinuous movements for tire forming operations and for then causing their separation.

2,071,717
FUEL AND AIR MIXING DEVICE
John R. Winkle, Ridley Park, Pa.
Application December 23, 1933, Serial No. 703,824
4 Claims. (Cl. 261—51)



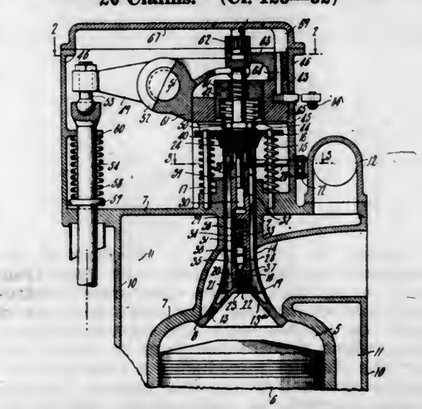
1. In a fuel feeding device for an internal combustion engine, a stationary body having a nipple for attachment to the inlet manifold of the engine; said body having a cylindrical guide bore, a discharge port providing communication through the nipple between the bore and the manifold, a fuel supply port communicating with the bore intermediately of the length thereof, and one or more air ports communicating with the bore and spaced from the discharge port a less distance than the fuel inlet port; said discharge port having its entrance formed to provide a valve seat; a movable body including a cylindrical guide portion fitting said bore and which functions to maintain the axis of the movable body coincident with axis of the bore, a stem having one end joined to the guide portion, and a valve joined to the end of the stem remote from the guide portion; said valve cooperating with the valve seat to open and close the discharge port and the valve and the guide portion being so spaced that, with the valve seated, the guide portion covers the fuel inlet port, whereby the discharge port is opened before the fuel inlet port; means for moving the movable body axially of the bore including a movable element in abutting relation with respect to said movable body at the side of the cylindrical guide portion remote from the valve; and manually operable means movable to render said abutment element effective to provide for movement of the movable body to separate the valve from its seat and to cause said guide portion to uncover the fuel inlet port.

2,071,718
VARIABLE LOAD BRAKE
Samuel L. Williams, New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application August 31, 1934, Serial No. 742,261. Divided and this application November 19, 1935, Serial No. 50,525
18 Claims. (Cl. 303—22)



1. In a fluid pressure brake, the combination with a manually operable member, of electro-responsive means and fluid pressure responsive means each operative to effect an application of the brakes which varies according to the extent of movement of said member, and means for regulating the degree with which the brakes are applied, by the operation of both of said means, according to the load on the vehicle.

2,071,719
INTERNAL COMBUSTION ENGINE
Allan R. Wurtele, New Roads, La.
Application May 9, 1934, Serial No. 724,727
20 Claims. (Cl. 123—32)



1. In an internal-combustion engine provided with a power cylinder having a port, a valve for said port having an enlarged head portion and a hollow stem, and means for actuating said valve for opening and closing said port, the combination therewith of means within said valve for injecting fuel into said power cylinder comprising means forming a fuel chamber, a plunger adapted to exert pressure on the fuel in said chamber, means for actuating said plunger when the valve is closed, valve means in said chamber controlling communication between the latter and said power cylinder and adapted to be unseated by the fluid pressure in said chamber, and yielding means resisting the unseating movement of said valve means.

2,071,720

PURIFICATION OF SILICA SANDS AND THE LIKE

Frederick William Adams, Ealing, England, assignor of one-half to The Rockware Glass Syndicate Limited, London, England, a British company

No Drawing. Application September 1, 1934, Serial No. 742,517. In Great Britain September 5, 1933

7 Claims. (Cl. 252—8)

1. A method for the treatment or purification of silica sands which comprises treating the sand with a warm aqueous solution containing a small quantity of an alkali acid oxalate and a small amount of crystalline ferrous sulphate not exceeding one half the quantity of the acid oxalate or quadroxalate.

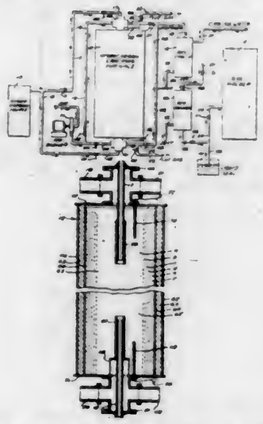
2,071,721

PROCESS AND APPARATUS FOR PRODUCING HYDROGEN

Glen D. Bagley, Great Neck, and Hendrik W. B. de W. Erasmus, Long Island City, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application June 22, 1933, Serial No. 677,024

4 Claims. (Serial No. 23—212)



1. Process for producing, by pyrolysis of hydrocarbons, hydrogen substantially free from oxygen, carbon dioxide and unsaturated hydrocarbons and containing only small amounts of nitrogen, carbon monoxide and saturated hydrocarbons, which process comprises in cyclical sequence the steps of introducing a stream of hydrocarbon gas well within and passing it longitudinally through a substantially cylindrical heterogeneous mass of hot crushed refractory material arranged in successive closely sized and substantially concentric layers providing a relatively porous longitudinal central core surrounded by successive layers of decreasing porosity whereby said stream of gas is distributed throughout the cross section of said refractory mass in such manner that the time of exposure of gas passing in contact with colder outer portions of the mass is automatically regulated to give a degree of cracking efficiency similar to that obtained with the portions of the gas passing at higher velocity through hotter and more central parts of the mass, whereby uniformly high cracking efficiency throughout the refractory mass is assured; continuing to pass said stream of hydrocarbon gas through said refractory mass and collecting the hydrogen product until the temperature at the exit end of said mass has decreased to a predetermined temperature and thereupon stopping said gas stream; passing a blast of air through the refractory mass alternately from opposite ends of the chamber whereby carbon deposited during the gas run is burned and the major part of the heat generated is absorbed in the central portions of the refractory mass whereby its temperature is again raised and the desired axial and radial temperature gradient is attained; continuing said blast of air until the temperature of a given portion of the refractory mass has increased to a predetermined temperature; and thereupon stopping said air blast and beginning another cycle of operation with the first-mentioned step.

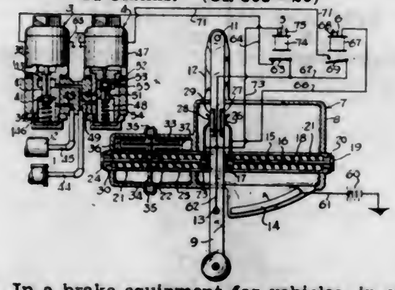
2,071,722

ELECTROPNEUMATIC BRAKE

George W. Baughman, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 12, 1934, Serial No. 730,230

14 Claims. (Cl. 303—20)



1. In a brake equipment for vehicles, in combination, a brake cylinder, electrically operated valves for controlling the application and release of fluid under pressure to and from said brake cylinder, a brake handle for controlling the operation of said valves, an application relay and a release relay, means effective upon movement of the handle to a service position for effecting energization of said release relay to prevent release of said brake, and timing means effective at a predetermined time thereafter, dependent upon the amount of movement of said handle, for effecting energization of said application relay to prevent further increased application of said brake.

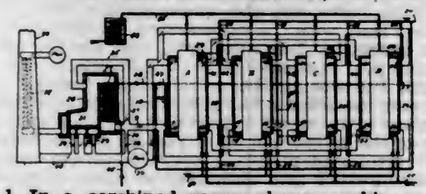
2,071,723

ART OF CRACKING HYDROCARBONS

Kenneth Albert Beach, Chester, Pa., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application May 4, 1931, Serial No. 534,908

5 Claims. (Cl. 196—61)



1. In a combined vapor phase cracking and coking operation, the improvement which comprises supplying a liquid oil mixture to be reduced to coke to a receptacle adapted to receive an accumulating charge of coke, passing the hot vapor mixture from the vapor phase cracking operation before the temperature of the said vapor mixture falls below 950° F. in intimate contact with said liquid oil mixture to be reduced to coke in said receptacle and thereby supplying the major part of the heat for coking the said liquid oil mixture, simultaneously separately passing hot combustion gases escaping from the vapor phase cracking operation at a temperature slightly higher than the temperature prevailing within said receptacle over the said receptacle and thereby supplying a minor part of the heat for coking the said liquid oil mixture, reducing said liquid oil mixture to coke in said receptacle by said heating operations and periodically discharging the coke produced from said receptacle.

2,071,724

UMBRELLA

Gustave S. Berman, New York, N. Y.

Application June 14, 1934, Serial No. 730,581

3 Claims. (Cl. 135—20)



3. An umbrella consisting of a flexible, normally wide-spread shield having a small aperture in its top, a stick to which the shield is frictionally applied by being thrust through said aperture, and a rigid means between the stick and shield at the top of the latter for giving the shield its ultimate shape, and holding the same in place on the stick.

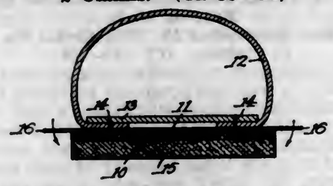
2,071,725

METHOD OF MAKING SHOES

Ernest A. Bickford, Worcester, Mass.

Application May 9, 1936, Serial No. 78,876

2 Claims. (Cl. 36—14)



1. As an article of manufacture, a shoe comprising a mid-sole and a crepe sole cemented together and covering the entire heel and sole area, an insole and an upper McKay sewed to said mid-sole and crepe sole, and an outsole cemented to the bottom of the mid-sole, the crepe sole projecting all around the mid-sole and being cemented to the vertical edges of the mid-sole and outsole.

2. The method of making a shoe which comprises cementing together a continuous mid-sole and a continuous crepe sole with the edges of the crepe sole projecting beyond the mid-sole, McKay sewing said two soles to an insole and an upper along a line located in the lasted margin of the upper and at a distance from the edges of the mid-sole, cementing an outsole to the bottom of the mid-sole, and bending down the projecting edges of the crepe sole and cementing them to the vertical surfaces of the mid-sole and outsole.

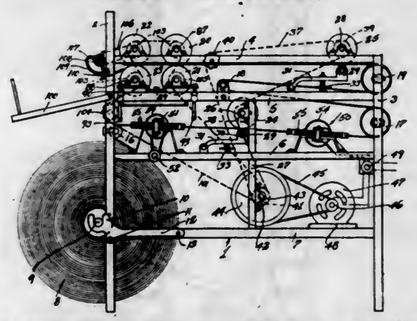
2,071,726

STENCILING PRINTING PRESS

Frederick S. Blackwell and John I. White, Kellogg, Idaho, assignors of one-third to Clarence C. Dunkle, Kellogg, Idaho

Application October 21, 1935, Serial No. 45,841

1 Claim. (Cl. 101—119)



A stenciling roller comprising a cylindrical body of perforated material, heads for said body each having a hollow shaft projecting outwardly therefrom, means for securing a cloth and stencil sheet about the hollow body, a valve seat in said shaft, a valve disk to seat about the valve seat movable inwardly to an open position, a hollow stem extending from the disk through said shaft and constituting an inlet for ink, a removable closure for the outer end of the stem, a hood carried by the outer portion of said stem, and a spring about the stem bearing against the hood and yieldably holding the valve disk closed to retain air under pressure in the body.

2,071,727

COMBINATION BED AND DIVAN

Louis Blumenthal, Brooklyn, N. Y.

Application December 11, 1934, Serial No. 756,932

3 Claims. (Cl. 5—47)



1. A divan comprising a lower rectangular supporting framework, an extensible member comprising a cushion seat and end members rigidly secured together and movable as a unit, ends on said framework telescoping with said end members and adapted to guide and constitute the sole support for said unit and to hold said unit rigid in its extended position, and a cushion back hinged to said extensible member, said back and seat being adapted to overhang said framework on opposite sides when extended to form a bed whereby the framework supports the two halves of the bed at about the center of weight.

2,071,728

APPARATUS FOR UTILIZING BLOCKS OF CARBON DIOXIDE ICE

Hans Bŭrsitzkŷ, Strausberg, near Berlin, Germany

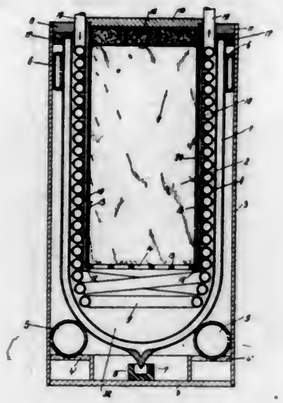
Application July 26, 1935, Serial No. 33,329

In Germany July 31, 1934

5 Claims. (Cl. 62—91.5)

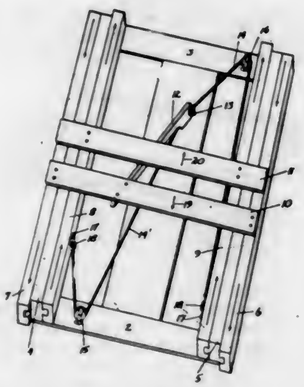
1. A cooling device comprising an outside shell, a double wall vacuum vessel resiliently nested in said shell, and an inner compartment for said

vessel comprising a ring arranged over the vessel and attached to said shell, depending rods carried



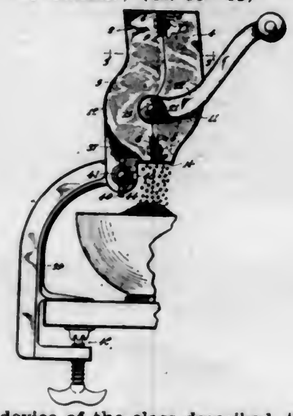
by the ring and disposed inside the vessel, and a perforated bottom member supported on the inner ends of the rods.

2,071,729
EXTENSION TABLE
Estey P. Charak, Newton Center, Mass., assignor to Charak Furniture Company, Boston, Mass.
Application August 7, 1935, Serial No. 35,073
3 Claims. (Cl. 311—75)



1. In an extension table of the type described a stationary frame including a pair of cross beams positioned across the shorter side of the table, two pairs of parallel beams positioned substantially transverse to said cross beams, means for slidably mounting said parallel beams to slide in a direction longitudinal with said beams, each of said pairs of beams having a transverse support, a bar mounted on one of said supports and extending in the direction of the motion of said beams but angularly therewith, a cable fastened to said bar and extending longitudinally of said table, said cable being fastened at opposite ends to the pair of parallel beams not associated with said bar and pulleys located at diagonally opposite corners of said cross beams over which said cable passes.

2,071,730
ICE CRUSHER
William A. Coventry, Lancaster, Pa., assignor to Grey Iron Casting Company, Mount Joy, Pa., a corporation of Pennsylvania
Application August 1, 1933, Serial No. 683,131
6 Claims. (Cl. 83—63)



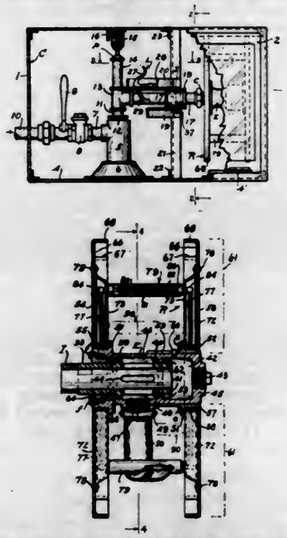
1. In a device of the class described, the combination of a pair of channel members having recesses on the edges thereof adapted to register to form aligned apertures when said channel members are secured together, a shaft mounted in said apertures, a plurality of cutters mounted on said shaft in the chamber formed by said channel members, said cutting members having extended portions adapted to form prong-like members for engaging the upper side of pieces of ice to crush them, and substantially circular cutting members intermediate said first-mentioned cutting members adapted to engage the lower sides of the pieces of ice passing through said crusher to facilitate the crushing operation.

2,071,731
HOUSED FIRE HOSE REEL
James A. Craig, Peekskill, and Ernest Davies, Beacon, N. Y.
Application September 18, 1935, Serial No. 41,042
13 Claims. (Cl. 299—78)

1. An expansion reel comprising an inlet water connection, a reel hub rotatably mounted therein in operative connection therewith, a pair of opposed reel-sides non-rotatably affixed to said hub but rotatable therewith, one of said reel-sides mounted to move longitudinally of said hub and away from the other reel-side, telescopic cross struts connected to and between said reel-sides, radial guides on said reel-sides for supporting said struts for radial inward movement and means for resiliently maintaining said reel-sides and struts in normally non-moved position.

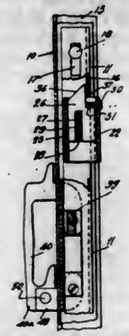
7. In combination with a swingable hose reel, and a water supply line, said reel having a tubular hub; a housing enclosing said reel; means joining said line and the reel, said means including a vertical tubular pivot having a fixed base within the housing, said line being in communication with the base, a tubular T-connection having its head vertically disposed and incorporated with the pivot, the leg of said connection being horizontally disposed and in communication with said hub, a fixed arcuate guide positioned between the pivot and the reel, and a tubular traveling roller loosely mounted on said leg and finding a support on said guide.

10. In combination, a housing including a top wall, a floor having rising therefrom a fixed hollow base, said wall having on its inner face a bearing above the base, water supply means communicating laterally with the base, a vertically disposed axially turnable tubular member having its lower end mounted on said base and communicating internally therewith, said member having



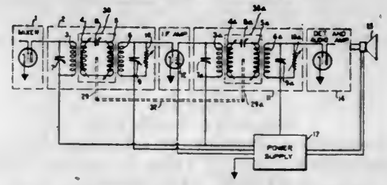
a closed top end journalled on the bearing, a hose reel disposed within the housing and having a tubular hub, and horizontally disposed tubular means extending from said hub and being in communication with said member, said means providing a support for the reel, whereby the latter may be swung out of the housing.

2,071,732
DOOR LATCHING MECHANISM
William P. Crilly, Pico, Calif., assignor to Worley & Co., Pico, Calif., a corporation of California
Application November 13, 1933, Serial No. 697,804
7 Claims. (Cl. 292—340)



1. A keeper structure for a door that is mounted to swing in a door frame and that has a vertically movable latch bar of channel section mounted on its inner surface adjacent its swinging edge, the open side of the channel facing toward the door, and the web of the channel having a slot, comprising: a jamb plate mounted on the door frame and projecting through said slot when the door is in closed position, a latch bar keeper mounted to move vertically on that portion of the jamb plate that extends within the channel of the latch bar, and spring means urging said keeper to an uppermost limiting position, said keeper having an inclined surface on its upper end adapted to be engaged by the latch bar web adjacent the upper end of said slot as the door is being swung closed with the latch bar in its lowermost position, whereby the keeper is caused to move downwardly, and said inclined surface finally clearing the latch bar web as the door reaches closed position, whereby the keeper moves upwardly in front of the latch bar web immediately above said slot.

2,071,733
RECEPTION SYSTEM
Richard C. Curtis, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Original application June 12, 1934, Serial No. 730,211. Divided and this application January 9, 1935, Serial No. 948
1 Claim. (Cl. 250—20)

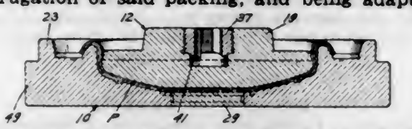


A radio receiving organization comprising, operatively associated, an input super-audible frequency system and intermediary super-audible frequency system, a detection and audible frequency amplification system, a loud speaker with a reproducing characteristic accentuated at certain frequencies, said intermediary super-audible frequency system including an electron amplifier tube having input and output circuits and coupling means having a frequency responsive characteristic having attenuation to restrict the intermediary super-audible frequencies positioned in that part of the frequency spectrum which will compensate for said accentuated audible frequencies of said loud speaker and comprising two link circuits respectively coupling the input circuit and output circuit of said electron amplifier tube with said radio receiving organization solely by induction and being otherwise conductively isolated from said radio receiving organization and means for varying the physical relation of said inductive couplings of both of said link circuits with said input and output circuits and also with the remaining portions of said radio receiving organization simultaneously to adjust the response of said radio receiving organization while maintaining said attenuation of said intermediary super-audible frequencies in substantially the same relative position to effect compensation for said audible frequency accentuation of said loud speaker to produce substantially uniform reproduction of the audible frequencies derived from said detection and audible frequency amplification system.

2,071,734
MOLD FOR PISTON PACKING
Philip W. Dempsey, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application October 28, 1933, Serial No. 695,638. Divided and this application February 19, 1935, Serial No. 7,173
3 Claims. (Cl. 18—35)

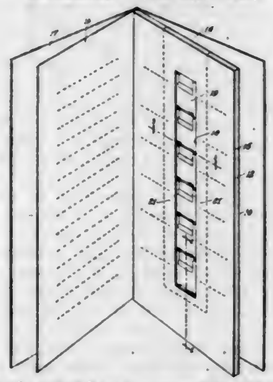
1. A mold for molding a piston packing having a peripheral corrugation, comprising in combina-

tion, a base section having a concave surface circumscribed by an annular ridge, an inner section having a convex surface complementary to said concave surface and coacting therewith for forming a body portion of the packing, an upper section having an annular recess complementary to said annular ridge on said base section and coacting therewith for forming the peripheral corrugation of said packing, and being adapted



to overlie said inner section when said three sections are assembled together, said three sections being separably removable, and means associated with said inner section for causing the packing to adhere to this section when said base and upper sections are removed from the packing following a molding operation, whereby the peripheral corrugation of the packing is exposed and may be gripped to remove the packing from the inner section.

2,071,735
DISPLAY PACKAGE
Leonard S. Downey, Woodbridge, Conn.
Application June 27, 1935, Serial No. 28,650
2 Claims. (Cl. 206—82)



2. A display package comprising a plurality of transparent capsules, a spacing member having apertures along opposite edges thereof for receiving said capsules and facing secured to both sides of the spacing member and having apertures overlying but of smaller dimensions than the apertures in said member, one of said facings being extended so as to fold over and form a cover for the package.

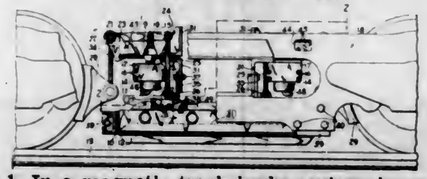
2,071,736
DUST GUARD
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 24, 1934, Serial No. 736,673
2 Claims. (Cl. 286—6)

1. A one-piece non-metallic dust guard for a car journal box, comprising a resilient body having an opening therein for receiving a car axle, said opening having a continuous sealing lip surrounding it for forming a seal with the said axle, said body also having a continuous raised sealing face on one side thereof for engaging and forming a seal with one wall of the said journal box, and having its peripheral edge terminating in a second continuous sealing face for engaging and forming a seal with an opposite wall of said journal box, the portion of said body in-



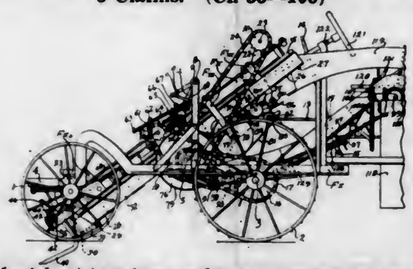
termediate said two sealing faces being so dished that when the dust guard is installed it is placed under sufficient tension to maintain said sealing faces in sealing engagement with said walls.

2,071,737
MAGNETIC TRACK BRAKE CONSTRUCTION
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 17, 1935, Serial No. 45,385
11 Claims. (Cl. 188—165)



1. In a magnetic track brake system, in combination, a magnetic track brake device for engaging a track rail, a link connected to said track brake device and extending upwardly therefrom, an arm connected at one end to said link and pivotally mounted at its other end on a support, and a raising cylinder having a movable abutment therein connected to said arm intermediate its ends.

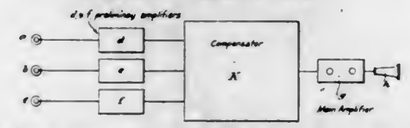
2,071,738
BEET TOPPING MACHINE
Josef Fechtner, Berkeley, Calif.
Application August 8, 1936, Serial No. 94,971
3 Claims. (Cl. 55—108)



1. A beet topping machine comprising a vehicle adapted to advance over a field of beets, a rigid frame on said vehicle, a second frame movably mounted as shown and specified on said rigid frame; said second frame being adapted to be moved from a working to a non-working position and vice-versa, a pair of plows mounted on the forward end of said second frame, for severing beets from the soil during the advance of the vehicle and for lifting the beets onto said vehicle,

means for giving an additional lift to said plows upon the movement of said second frame to a non-working position to provide a greater clearance of said plows from the ground during progress of said vehicle when not engaged in topping operations, a first conveyor on said second frame for gripping the leaves of the beets and for conveying the beets rearwardly on said vehicle in a predetermined path, means for driving said first conveyor during the advance of the vehicle, a cutter mounted on said second frame remote from the path of said first conveyor, means for actuating said cutter during the advance of said vehicle, a second conveyor operating in a path diverging from the path of said first conveyor and terminating adjacent said cutter; said second conveyor being adapted to grip the leaves of the beets more closely to the tops of the beets than said first conveyor and to position the beets for the topping operation by the cutter, a pair of rollers pivotally mounted adjacent said cutter, flanges on said rollers overlying portions of said second conveyor; said flanges serving to hold said second conveyor against displacement and thus to steady the beets for the topping operation and insuring uniformity in topping, and means for driving said second conveyor at the same speed as the driving speed of said first conveyor.

2,071,739
AMPLIFIER ARRANGEMENT FOR LISTENING DEVICES
Fritz Alexander Fischer, Kiel, Germany, assignor to Electroacustic Gesellschaft mit beschränkter Haftung, Kiel, Germany, a firm
Application September 26, 1935, Serial No. 42,261
In Germany October 29, 1934
3 Claims. (Cl. 177—386)

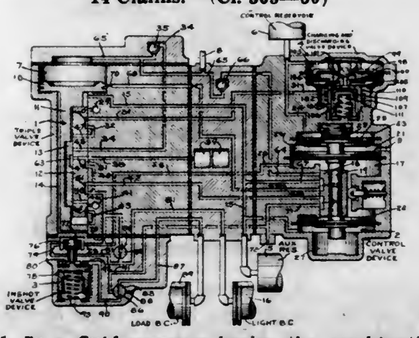


2. In a sound listening device having a plurality of electro-mechanical receivers for receiving the sound energy and for translating it into electric energy, an electric compensator and a sound indicator, both connected in series, a preliminary thermionic tube amplifier for each sound receiver, having a negative grid bias, and being connected between the receiver and said compensator, and a main amplifier, connected between the compensator and the indicator, for finally amplifying the combined energy of all receivers before it reaches the sound indicator, the total amount of amplification being divided between the preliminary and the final amplification in such proportion that the noise level in the indicator, due to the amplification of the compensator noises, remains below a disturbing magnitude.

2,071,740
CHROMIUM STEEL SEAMLESS TUBE
Russell Franks, Jackson Heights, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 13, 1934, Serial No. 720,491
3 Claims. (Cl. 138—47)

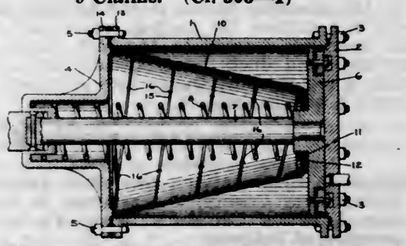
1. Corrosion and heat resistant wrought chromium steel seamless vessel designed for use at temperatures between about 850° C. and about 1100° C., and characterized by a substantial resistance to grain growth and carburization at said temperatures, said seamless vessel having substantially the composition: 15% to 35% chromium; 0.05% to 0.5% carbon; at least 0.15% but not more than 0.65% nitrogen; the remainder substantially all iron, the nitrogen concentration being substantially the same in all parts of the steel.

2,071,741
FLUID PRESSURE BRAKE
Aldo Gnavi, Turin, Italy, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 18, 1933, Serial No. 685,732
In Italy December 16, 1932
14 Claims. (Cl. 303—60)



1. In a fluid pressure brake, the combination with a normally charged reservoir, a brake cylinder, means operative to cause fluid under pressure to be supplied to the brake cylinder from the reservoir to effect an application of the brakes, a normally charged control reservoir, and valve mechanism subject to the pressure of fluid in said control reservoir for controlling the supply of fluid under pressure to the brake cylinder, of means providing a communication through which fluid under pressure may flow into or out of the said control reservoir, a valve operative to cause the rate of flow of fluid under pressure out of the control reservoir through the said communication to be less than the rate of flow of fluid under pressure through the said communication into the said control reservoir, and means operative upon an application of the brakes for closing the said communication.

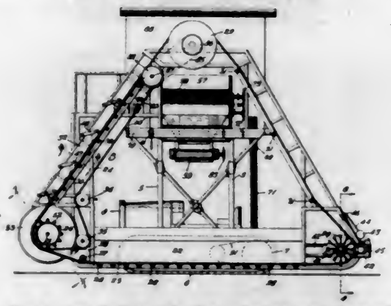
2,071,742
BRAKE CYLINDER PROTECTOR
Milton L. Hancock, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 16, 1933, Serial No. 702,770
9 Claims. (Cl. 303—1)



1. The combination in a brake cylinder, having a non-pressure head, of a piston slidably mounted in said brake cylinder, a release spring interposed between said non-pressure head and piston, a collapsible filter element surrounding said spring and interposed between said non-pressure head

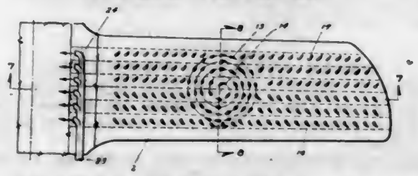
and piston and adapted to be collapsed upon movement of said piston, and a support member interposed between said non-pressure head and piston and having convolutions, and means securing said filter element to said convolutions for supporting said filter element upon collapse thereof.

2,071,743
BEET PILING MACHINE
Herman L. Hartburg, Denver, Colo.
Application August 27, 1934, Serial No. 741,574
13 Claims. (Cl. 198—165)



1. In a machine of the character described, two moving endless belts having rising stretches in load-engaging adjacency to each other, the belts being separated from each other at the foot end of their rising stretches to provide a tapering entrance for material into a space between said stretches, one of the belts being capable of yielding movement away from the other, and a drum supporting the belts at the outlet of said entrance, and having peripheral openings to admit portions of one of the belts under pressure of a load between the belts as they move around the drum.

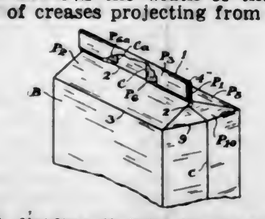
2,071,744
AEROPLANE
Henrik Anathor-Henrikson, West Englewood, N. J.
Application June 5, 1934, Serial No. 729,083
9 Claims. (Cl. 244—23)



1. An aeroplane having means forming an air deflecting surface for normal travel, and ducts and apertures formed in the said means, the apertures and ducts being spirally oriented to create a region above the surface of rarefied air having a whirling motion.

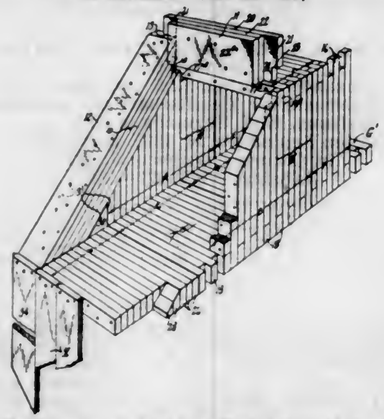
2,071,745
BAG
William E. Higginbottom, Haverford Township, Montgomery County, Pa., assignor to Benjamin C. Betner Company, Devon, Pa., a corporation of Delaware
Original application June 9, 1933, Serial No. 675,046. Divided and this application October 7, 1933, Serial No. 692,631
10 Claims. (Cl. 229—62)

1. A bag having adjacent its mouth a plurality of creases forming depressions dividing one face into upper panels of substantially equal width and a lower panel substantially equal in width to one-half the width of the bag and a plurality of creases projecting from the opposite



face and dividing it into an upper panel substantially equal in width to one of said upper panels and a lower panel substantially equal in width to the sum of the width of said other lower panel plus the width of one of said upper panels.

2,071,746
LAMINATED CULVERT HEAD WALL STRUCTURE
Percy E. Hoak, Des Moines, Iowa
Application February 18, 1935, Serial No. 7,042
11 Claims. (Cl. 61—16)

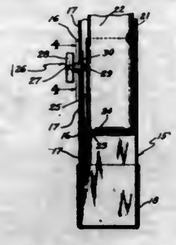


1. In a culvert head wall structure, a laminated floor, laminated side walls having sloping upper ends, slope beams surmounting said upper ends, each beam comprising strips in laminated arrangement, and a parapet extending across and abutting the upper ends of said slope beams.

2,071,747
COSMETIC HOLDER
Rudolph N. Houlihan, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application August 30, 1933, Serial No. 687,464
3 Claims. (Cl. 206—56)

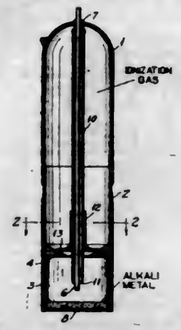
1. In a cosmetic holder, a body having an open end and a slot in one side wall, a carrier in said body and shiftable toward and from said open end, said carrier having an opening in a wall, an L-shaped spring, said spring having one arm disposed in the carrier through said opening and having its other arm located at the side of the carrier and normally bearing against the inner surface of the slotted wall of the body opposite the carrier, an operating member extending through said slot and at its inner end connected with said other arm of the spring and shiftable

along said slot to shift the carrier toward and from the open end of the body, said body having notches opening through an edge of said slot, and



a projection on said operating member and adapted to be pressed into a selected one of said notches by said spring on release of the operating member.

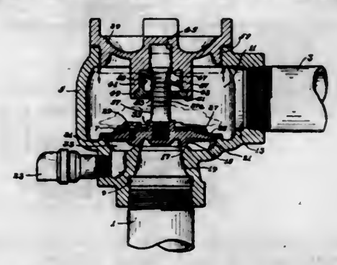
2,071,748
RECTIFIER TUBE
August Hund, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application March 8, 1934, Serial No. 714,662
8 Claims. (Cl. 250—27.5)



1. A rectifier comprising a gas-tight envelope composed partially of metal and partially of a vitreous material and containing an ionization gas, partition means dividing said envelope into two compartments, an aperture in said partitioning means, an alkali metal maintained within one of said compartments and constituting a cathode, and an anode extending from the vitreous portion of said envelope, passing through said aperture in said partitioning means and terminating with an extremity thereof adjacent said alkali metal.

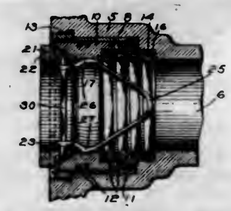
2,071,749
VALVE
Ira W. Knight, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application February 20, 1936, Serial No. 64,849
3 Claims. (Cl. 137—153)

1. A valve for a dry pipe system having, in combination, a casing having a top opening and an inlet and an outlet with a waterway between; a closure adapted when seated to close said inlet and when opening to move in said waterway vertically upward from its seat; a stem extending upward from the top side of said closure; an imperforate cover for said top opening comprising a hub projecting into said waterway, and having a chamber into which said stem projects; a latch washer in said chamber around said stem; and means whereby said washer is held in an inclined position with respect to the direction of movement of said stem; the said stem, washer and holding means coacting to latch the closure



against return to its seat in any position to which it may be moved away from its seat; the said cover, latch and closure being removable as a unit through said top opening to permit them to be turned upside down to release said latch.

2,071,750
PIPE COUPLING GASKET
Anton K. Kusebauch, Bellevue, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 7, 1935, Serial No. 25,391
2 Claims. (Cl. 285—69)

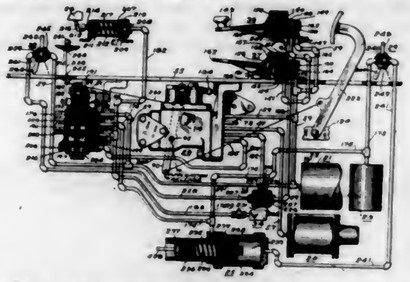


1. In a conduit coupling device, in combination, a coupling head having a fluid passage formed therethrough and a bore connected with said passage and opening at a lateral face of said head, a sleeve member slidably mounted in the bore and having a spherical recess at its outer end surrounding the opening therethrough, an annular gasket arranged to oscillate in the recess of said sleeve member and having a flat seating face adapted to extend outwardly of the lateral face of the coupling head, means associated with said head for limiting outward movement of said sleeve member, and a spring acting on said sleeve member to urge it outwardly toward the lateral face of said coupling head.

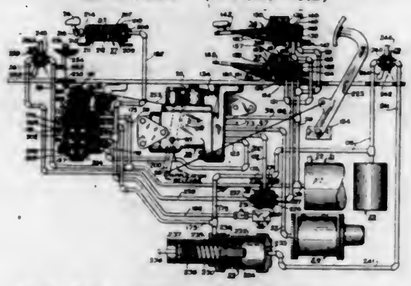
2,071,751
SAFETY CAR EQUIPMENT
David W. Lloyd, Clayton, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 16, 1933, Serial No. 698,243
18 Claims. (Cl. 303—54)

1. In a brake valve device, the combination with a valve device for controlling the supply of fluid under pressure to the brake cylinder and manually operated means for operating said device and having a cam member thereon, of a fluid pressure actuated piston device having a cam member cooperating with the cam member on said manually operable means for also operating

said valve device and a locking member operated by said manually operated means and cooperating with said piston device for preventing operative movement of said piston device.



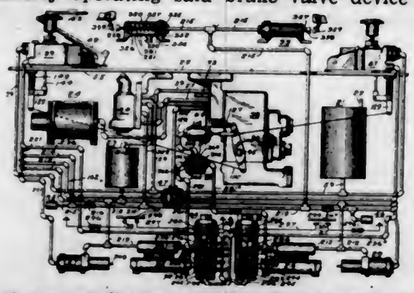
2,071,752
SAFETY CAR EQUIPMENT
David W. Lloyd, Webster Groves, Mo.
Application January 9, 1936, Serial No. 58,342
18 Claims. (Cl. 303—6.1)



1. In a fluid pressure brake, the combination of a brake valve device manually operable to effect an application of the brakes, fluid pressure responsive means normally subject to fluid under pressure and operated upon a reduction in the pressure of the fluid for also effecting the operation of the valve device to effect application of the brakes, and a pair of manually operative cooperating valve means which are effective, upon operation of either one or both out of a certain position thereof, to cause fluid under pressure to be supplied to the fluid pressure responsive means and which are effective, only when both are in the certain position thereof, to cause reduction in the pressure of fluid to which the fluid pressure responsive means is subjected.

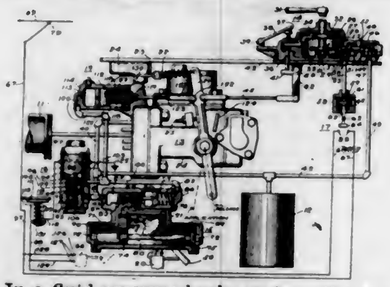
2,071,753
SAFETY CAR EQUIPMENT
David W. Lloyd, Clayton, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 16, 1933, Serial No. 698,242
19 Claims. (Cl. 303—6.1)

1. In a fluid pressure brake, the combination with a brake valve device operable to effect an application of the brakes and a manually operated pedal mechanically connected to said brake valve device for operating said brake valve device upon depression of the pedal, of fluid pressure responsive means operated upon a reduction in fluid pressure for also effecting the operation of said brake valve device, valve means operated upon release of said pedal for effecting a reduction in pressure on said fluid pressure responsive means, and means operative, upon manually operating said brake valve device to



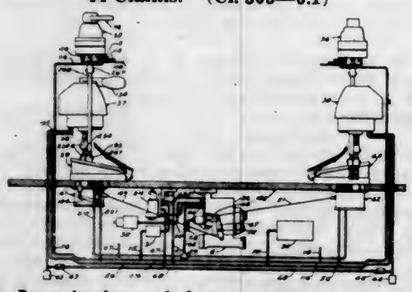
effect an application of the brakes, for preventing the operation of said fluid pressure responsive means by a reduction in fluid pressure.

2,071,754
DOOR AND BRAKE INTERLOCK DEVICE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 16, 1933, Serial No. 698,231
22 Claims. (Cl. 303—6.1)



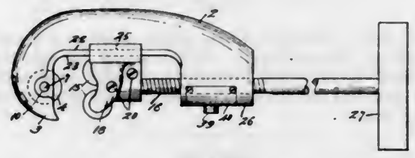
1. In a fluid pressure brake system, the combination with a brake valve device operable to effect an application of the brakes, manually operated means for operating said brake valve device, and a door engine device for opening and closing a door and controlled by said manually operated means, of fluid pressure actuated means also controlled by said manually operated means for also effecting operation of said brake valve device for effecting an application of the brakes.

2,071,755
FLUID PRESSURE BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 2, 1935, Serial No. 19,378
44 Claims. (Cl. 303—6.1)



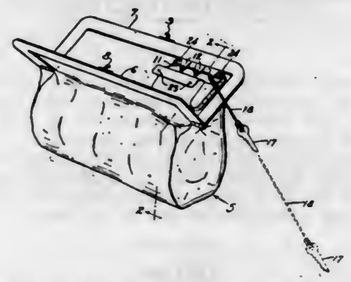
1. In a brake and door control apparatus, in combination, means operative manually to control the brakes, means operative manually to control the doors, and means effective, when the door control means is in door opening position, to permit operation of the brake control means to reduce the degree of application of the brakes after operation thereof to effect an application of the brakes but preventing operation of the brake control means to effect release of the brakes.

2,071,756
QUICK ADJUSTING PIPE CUTTER
George D. Manville, Los Angeles, Calif.
Application November 25, 1935, Serial No. 51,411
2 Claims. (Cl. 81—192)



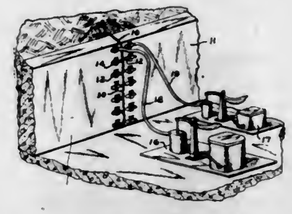
1. In a pipe cutter, quick adjustment means including a body provided with a pipe cutting device and a box part, a pressure screw freely slidable in said box part for quick adjustment, a spring sunk in said part and a parallel sided half-nut thrust by said spring against the near side of the screw, a spider loosely mounted in said part on the side of the screw opposite to the nut and having a button, said box having an outwardly opening nut pocket, and a cap through which said button extends outward for thumb pressure to thrust the spider against the nut and repress it for quick axial shift with the said body as to the screw; said cap being detachable for outward removal of the spider, the nut and the spring.

2,071,757
KEY HOLDER
Blanche E. Matthews, Los Angeles, Calif.
Application March 25, 1936, Serial No. 70,810
2 Claims. (Cl. 150—40)



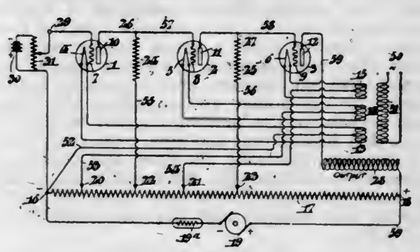
1. A satchel having pivotally connected rigid lip portions, an elongated plate having a substantially straight flat body portion and having a plurality of apertured ears projecting from a face thereof, said ears being inclined in such a manner as to space their apertured portions away from the plane of that face of the plate from which they project, means attaching said plate internally to one of said lip portions of the satchel with said ears projecting inwardly therefrom, an inner satchel pocket having a wall portion detachably connectible with said plate above its said ears, and flexible connections provided with key-holding means, said connections being secured to the apertured portions of said ears.

2,071,758
METHOD OF WATERPROOFING STRUCTURES
John McKay, Glenside, Pa.
Application April 19, 1935, Serial No. 17,243
14 Claims. (Cl. 72—106)



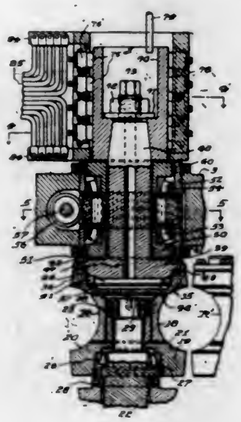
14. The method of filling an inaccessible cavity in a structure which comprises providing a passage in the structure to the cavity, supplying an emulsion of organic medium through the passage to the cavity, then in supplying a de-emulsification agent through the passage to the cavity to bring about de-emulsification or agglomeration of organic medium on the cavity walls, and then in injecting medium through the passage to contact with the agglomerated layer of organic medium and to fill the remaining space of the cavity.

2,071,759
ELECTRON DISCHARGE TUBE SYSTEM
Nicolai Minorsky, Narberth, Pa., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 25, 1926, Serial No. 118,508
12 Claims. (Cl. 179—171)



1. In a system employing a plurality of electron discharge tubes each having a cathode, a grid and an anode, independent means for exciting said cathodes, a potentiometer, a source of current connected to the ends of said potentiometer, a ballast device in series with said source and potentiometer arranged to maintain the direct current therethrough substantially constant, intermediate taps on said potentiometer, and conductors from said taps to the cathodes, grids and plates of the respective tubes, the conductor from the cathode of the first tube being spaced from the adjacent end of said potentiometer whereby a bias potential is applied between the grid and cathode of such tube, the resistance of said potentiometer being so designed that the direct current therethrough is considerably greater than the total space current of said discharge tubes.

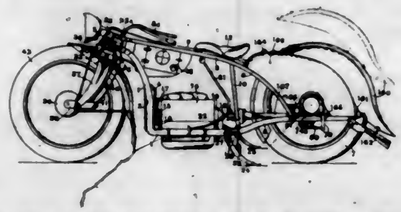
2,071,760
MACHINE FOR WELDING TUBULAR ARTICLES
George E. Mirfield, Youngstown, Ohio, assignor, by mesne assignments, to Direct Current Welding Company, a corporation of Delaware
Original application July 18, 1933, Serial No. 680,932, now Patent No. 2,037,916, dated April 21, 1936. Divided and this application August 24, 1935, Serial No. 37,712. Renewed December 18, 1936
5 Claims. (Cl. 219—6)



2. In a welding machine, an annular electrode providing an internal chamber having an outlet and a contact face adapted to engage the pipe to be welded, a spindle extending upwardly from the electrode provided with a passage communicating with said chamber, means for rotatably supporting the spindle, a collector ring carried by the upper end of the spindle providing a chamber communicating with said passage adapted to receive a cooling fluid, a brush holder supported about the ring, current conveying means connected with said holder, and a series of brushes carried by the holder and engaging the ring to form a path for the welding current between the conveying means and the ring, said ring, chamber, passage, electrode chamber and outlet providing a continuous path for gravity flow of cooling fluid introduced into said ring chamber to thereby successively cool the ring, spindle and electrode.

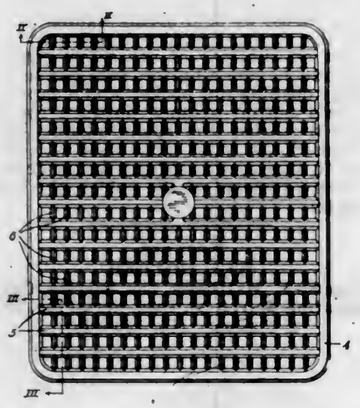
2,071,761
MOTORCYCLE DRIVING MECHANISM, DRIVE LINE, AND BRAKING MECHANISM
Leslie G. Nicholson, St. Helena, Calif.
Application July 27, 1934, Serial No. 737,234
6 Claims. (Cl. 180—33)

1. A motorcycle including a frame; a steering and a driving wheel adapted to support the front and rear ends of said frame respectively; a brake drum and a driving gear arranged on opposite sides of said drive wheel and rotatable therewith; braking means in operative relation to said drum; a gear housing enclosing said driving gear and mounted on said frame; a takeoff gear box on said frame having a power shaft in longitudinal alignment with said gear housing; a drive shaft extending from said gear housing toward said takeoff gear box; a flexible joint fixed on said takeoff power shaft and having spline means engaging said drive shaft; a worm fixed on said drive shaft adapted to mesh with said gear; a drive shaft housing fixed on said gear housing extending toward said takeoff gear



box; and a flexible fabric plate leaving a central opening therethrough and riveted to the end of said drive shaft housing adjacent said opening and having its margins bolted to said takeoff gear box.

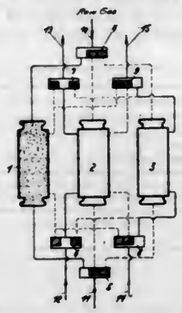
2,071,762
MAT
Burr Nickle, Butler, Pa.
Application September 12, 1936, Serial No. 100,420
1 Claim. (Cl. 126—221)



A mat having article-supporting ribs disposed in laterally spaced relation, and laterally spaced ribs extending transversely of and connecting the first-named ribs, certain of the rib elements being of smaller perpendicular dimension than the other ribs, to permit of circulation of air in a plane intermediate the uppermost and lowermost planes of the mat.

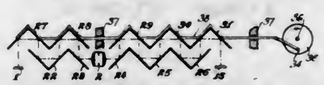
2,071,763
PROCESS FOR THE SEPARATION OF GAS MIXTURES
Franz Pollitzer, Grosshesselohe, near Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application November 4, 1930, Serial No. 493,375
In Germany March 10, 1930
4 Claims. (Cl. 62—175.5)

1. A process for the separation of gaseous mixtures into components, which comprises cooling an inflowing gas mixture by contact with a cold regenerative body, separating the cooled mixture into higher and lower boiling components and cooling another regenerative body by passing



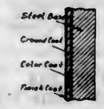
separated higher and lower boiling components in contact therewith in succession.

2,071,764
APPARATUS FOR PRINTING LENTICULATED FILMS
Kurt Räntsch, Teltow-Seehof, near Berlin, Germany, assignor to Opticolor Aktiengesellschaft, Glarus, Switzerland, a Swiss corporation
Application August 30, 1934, Serial No. 742,188
In Germany September 1, 1933
2 Claims. (Cl. 88—24)



1. In combination, an original lenticulated film and a copy lenticulated film, means forming an optical path for the passage of light from the original to the copy film, said means including a relatively fixed copying lens of smaller aperture than the lenticulations of said films and disposed in said path nearer one film than the other, and also including a plurality of reflecting surfaces disposed in said path between said lens and arranged in two sets, one set between the lens and copy film and the other between the lens and original film, and means for moving said sets transversely of said path, the amplitude of movement of one set being substantially equal to the amplitude of movement of the other set.

2,071,765
METHOD OF ENAMELING
Clarence J. Rodman, Alliance, Ohio
Application March 13, 1935, Serial No. 10,953
4 Claims. (Cl. 91—73)



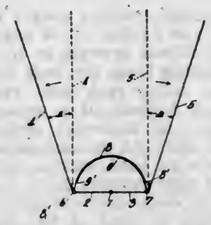
1. In a method of enameling metal ware, the steps including applying thereto a coating of a frit composed largely of cobalt oxide, heating the ware so coated to a temperature below that required for enameling yet sufficient to cause a superficial filming of the frit, i. e., to between 800° and 1000° F. then applying a color coating of enamel and heating the ware so coated to the enameling temperature.

2,071,766
BOOKBINDER CONSTRUCTION
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application March 23, 1934, Serial No. 716,951
5 Claims. (Cl. 281—25)



3. In a book binder construction of the type in which a single binder wire is threaded through a row of holes at the back of the book, the combination of the book sheets with the row of holes having the end holes elongated about the length of the spacing between the other holes and the binder wire helically coiled with its turns spaced to loosely thread its way through said holes, the last turns at each end of said wire being formed into a closed ring of the same diameter as the intermediate turns, the closed ring at each end of the binder being looped only through the elongated opening of the sheets at that end whereby the binder may be closed at the ends and the sheets can be readily turned on both the helical windings and the closed end rings of the binder construction.

2,071,767
LOOSE LEAF BOOK
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application June 15, 1934, Serial No. 730,684
4 Claims. (Cl. 129—17)



1. A loose leaf book comprising a back hinged in the center line and adapted to bend backwardly on itself, curved prongs extending through slightly less than 180° above the back and attached to opposite side edges of the back in pairs, the prongs of each pair adapted to enter the same holes from opposite sides in a loose leaf filler and when the book is closed overlap substantially their entire length, covers hinged adjacent the side edges of said back with a small and limited movement at their hinge joints and arranged so that when each cover is opened it moves only a short distance independently of the back and then carries its adjacent back part so as to bend backwardly with the other back part until the book is wide open for reading, said prongs on the back parts being only slightly overlapped when the back parts are in book reading position.

2,071,768

LOOSE LEAF BOOK

John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts

Original application June 15, 1934, Serial No. 730,684. Divided and this application May 25, 1936, Serial No. 81,600

2 Claims. (Cl. 129—17)



1. A loose leaf book made of two halves hinged together along the middle of its back portion, each half comprising a cover having a hinge line spaced from its inner edge to provide a marginal portion for attachment to the back portion, the back portion comprising a narrow rigid plate fastened on said margin and extending at right angles to the edge of the cover to form half of the back portion of the book and a short flange on the outer edge of the plate, a set of curved posts rising from the edge of the cover with a curvature at that point tangent to the cover and extending over the back portion of the book with a curvature approximately that subtended by the whole back portion as a diameter.

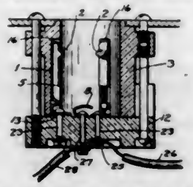
2,071,769

ELECTRIC LAMP SOCKET

Herman C. Schlicker, Brooklyn, N. Y., and Anthony Papini, Leonia, N. J.

Application January 7, 1935, Serial No. 582

2 Claims. (Cl. 173—328)



1. In a resilient holding socket for electric fixtures of the type having screw bases, a receptacle having longitudinal grooves in the inner surface thereof extending from the base thereof to points adjacent the outer end, and resilient holding members each formed of a separate and independent piece of material positioned in said grooves, said resilient holding members mounted upon the base of said socket, extending to the outer ends of said grooves, bent over at the outer ends of the grooves, and extending backward in the same plane as that of the inner surface of the receptacle, said backward extending portions having slightly inclined V shaped projections extending therefrom and said resilient holding members having yielding portions adjacent the points at which they are attached to the base of the socket.

2,071,770

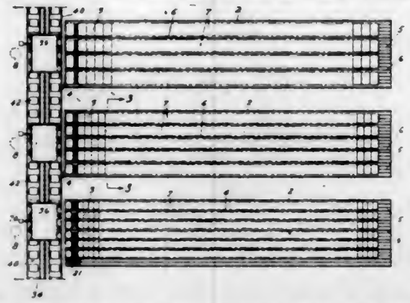
APPARATUS FOR DISTRIBUTING OR COLLECTING ARTICLES

Lansing P. Shield, Hackensack, N. J.

Application June 1, 1933, Serial No. 673,839

6 Claims. (Cl. 186—1)

1. In a distributing system, a plurality of inclined delivering channels adapted to receive articles and deliver same by gravity to the lower ends thereof, said channels being divided into groups having the delivery ends thereof arranged to be easily accessible to an operator and provided with means for holding the lowermost article in each channel in spaced relation with respect to other articles therein, a support positioned in front of said groups of channels and in front of operators stationed thereby, receptacles movable along said support from one group of delivering channels to another, and means under control of the operator at each group of delivering channels for moving the receptacle on to the next group of delivering channels.



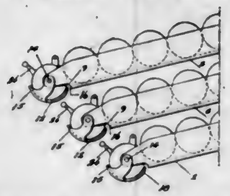
2,071,771

SYSTEM AND APPARATUS FOR DISTRIBUTING OR COLLECTING ARTICLES

Lansing P. Shield, Hackensack, N. J.

Application June 12, 1933, Serial No. 675,383

2 Claims. (Cl. 186—3)



1. An apparatus for use in the simultaneous filling of a plurality of receptacles with different combinations of articles, comprising a support for a plurality of receptacles, a plurality of inclined, gravity-operated storage and delivery chutes, said chutes being arranged in groups, the chutes in each group having their delivery ends above and alongside said support in overhanging, offset relationship, and facing and accessible to an operator placed alongside said receptacle support and on the opposite side thereof from the said chutes, and means, controlled by the several operators, for selectively and simultaneously discharging articles from the several chutes into the various receptacles positioned on said support, whereby a plurality of different combinations of articles may be simultaneously assembled in different receptacles on said support.

2,071,772

JOINT ASSEMBLY AND NAILING STRIP

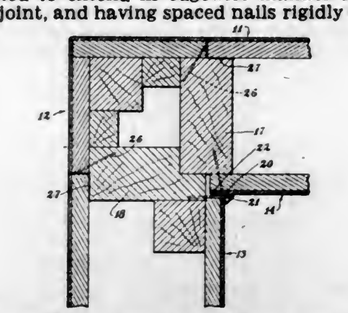
George E. Shipway, Noroton, Conn., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application May 2, 1936, Serial No. 77,464

5 Claims. (Cl. 20—4)

1. A nailing strip for closing the joint between the edge portions of two panels of finishing material forming, therebetween, a joint in front of a nailable substructural member, the said strip being substantially rigid, including a wide portion

adapted to extend in edgewise manner into the said joint, and having spaced nails rigidly secured



to the said wide portion, stiffened thereby, and adapted to be driven into the said member.

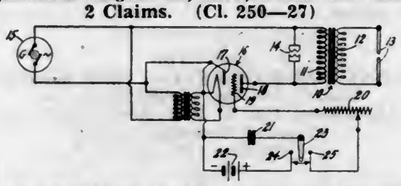
2,071,773

WELDING APPARATUS

Watson Sidney, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 16, 1933, Serial No. 685,331

2 Claims. (Cl. 250—27)



1. A translating device, a source of alternating voltage for energizing said translating device, a high impedance transformer having a primary connected in series with said translating device to control energization of said translating device, a thermionic device connected to short circuit the secondary of said high impedance transformer to reduce its impedance when said thermionic device passes a current to permit energization of said translating device, said thermionic device comprising an envelope containing a cathode, anode, and a control grid, and an ionizable medium in said envelope for maintaining a self-sustaining discharge at the impressed voltages, a condenser associated with said thermionic device, means for charging said condenser and means for connecting the condenser between the cathode and the control grid for impressing the charge on said condenser on the control electrode to cause the thermionic device to break down and pass a current whereby said translating device will be energized from said source of alternating voltage.

2,071,774

RADIO CONTROL DEVICE

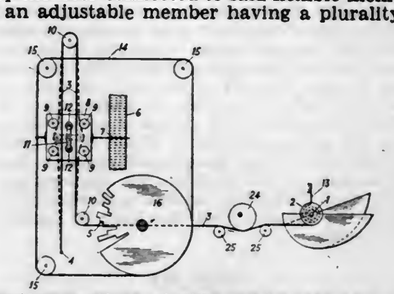
Adolf Spöttel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 7, 1935, Serial No. 5,377

In Germany February 7, 1934

5 Claims. (Cl. 250—40)

1. Means for adjusting a tuning device comprising in combination, means for rotating said device to an end position in one direction, a flexible member secured to said device one end of said flexible member being fixed, means for moving an intermediate portion of said flexible member to rotate said device in the opposite direction, a stop member connected to said flexible member, and an adjustable member having a plurality of



projecting portions of different lengths arranged to engage said stop member.

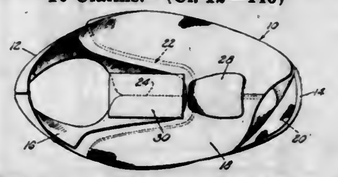
2,071,775

MANUFACTURE OF SHOES

Thomas G. Winnett, Whitman, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application January 30, 1935, Serial No. 4,130

10 Claims. (Cl. 12—146)



1. That improvement in methods of making shoes having uppers provided with flies which consists in placing a piece of adhesive tape over the fly of a shoe upper with the adhesive side of the tape overlying portions of the upper at opposite sides of the fly, and subjecting the upper and the tape to pressure between cooperating forms thereby performing a preliminary shaping operation upon the upper and at the same time causing the tape to stick securely to the upper.

2,071,776

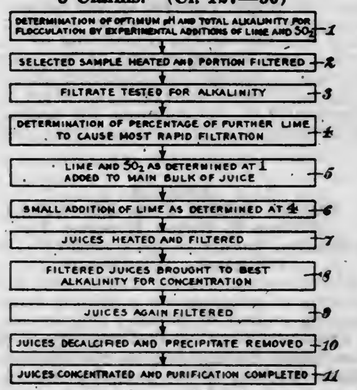
PURIFICATION OF SUGAR FACTORY AND REFINERY JUICES

Dario Teatini, Hougaerde, Belgium

Application April 20, 1934, Serial No. 721,588

In Belgium May 1, 1933

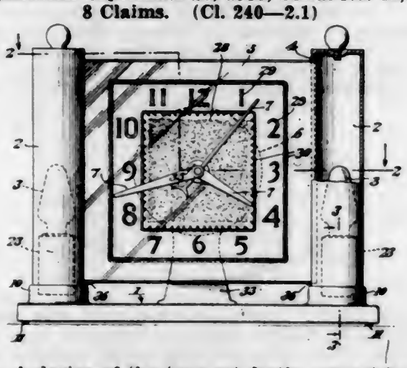
8 Claims. (Cl. 127—50)



6. A process for the purification of sugar juice which comprises adding alkali and acid electro-

lytes in amounts predetermined by test to bring the juice to the optimum isoelectric point in the alkaline range and adding an amount of alkali in excess of the minimum necessary to bring the juice to the optimum isoelectric point and insufficient to alter the pH of the juice to such an extent as to affect the state of aggregation of the colloidal impurities but sufficient to confer on the juice the soluble alkalinity which is an optimum for the removal of flocculated colloids, heating the mixture to the flocculating temperature, filtering and thereafter adding acid electrolyte to reduce the alkalinity of the juice to factory requirements.

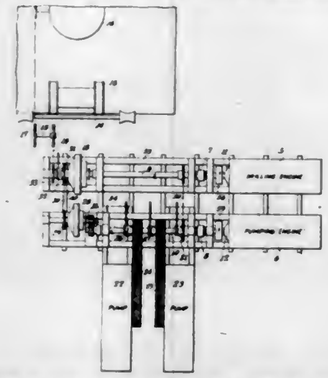
2,071,777
ILLUMINATED INDICATING DEVICE
Paul Schuyler Van Bloem, Great Neck, N. Y., assignor to Viking Products Corporation, New York, N. Y., a corporation of New York
Application September 25, 1935, Serial No. 41,980
8 Claims. (Cl. 240—2.1)



1. A device of the type set forth, comprising a base; a pair of transversely spaced hollow columns borne by said base and each having a longitudinal slot in its side opposed to the other column; a lamp within each column; a panel of transparent material and of the type set forth extending between the columns and having its opposite side edges exposed to the interior of the columns for reception of light rays from the lamps; a releasable securing connection between each column and the base comprising a tongue borne by and projecting longitudinally from the lower end of the column, the base having an aperture through which said tongue projects to the under side of the base and positions the column with its slot disposed in proper relation to the adjacent edge of said panel, the tongue having a keeper recess opening laterally at the under side of the base, and releasable locking means at the under side of the base to engage in said recess; and mountings for said lamps to support them on the base independently of the columns, for access to the lamps by removal of the columns from the base.

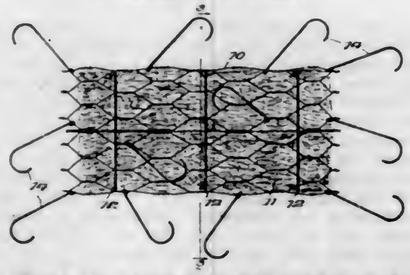
2,071,778
DIESEL DRIVE FOR OIL WELLS
William R. Waine, Houston, Tex.
Application August 31, 1935, Serial No. 38,743
18 Claims. (Cl. 255—19)

1. Power mechanism for well drilling purposes, comprising in combination a drilling engine and a pumping engine in parallel side-by-side relation, extension parallel shafting driven by said engines, pump driving gearing operated from the extension shafting of the pumping engine, drawworks and rotary drive gearing operated from the extension shafting of the drilling engine, power compounding connections between the two engines, a main forward drive and power compounding clutch on the extension shafting of the drilling engine and reverse drive connections for



the draw-works and rotary including direction reversing gearing and an associated clutch operated from said extension shafting of the pumping engine.

2,071,779
MEANS FOR PREVENTING SOIL EROSION
Mark S. Willing, Mount Holly, Va.
Application July 10, 1935, Serial No. 30,713
Renewed November 6, 1936
3 Claims. (Cl. 61—3)



1. Means for preventing soil erosion by flowing water, said means consisting of a flexible container of mesh material, readily distortable filler material within said container for augmenting the accumulation of earthy matter therein and facilitating conformation of the mass to the contour of the earth to be protected, and a plurality of securing elements pivotally attached to said container whereby a plurality of said containers can be secured together.

2,071,780
CONNECTER FOR TAPS, PIPES, AND THE LIKE
Elie Aghnides, Brussels, Belgium
Application May 25, 1935, Serial No. 23,499
In Belgium June 4, 1934
6 Claims. (Cl. 285—90)

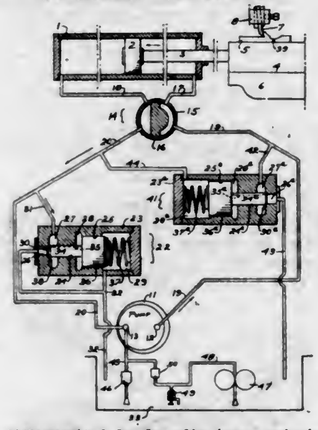
1. A connecter for the purpose described formed of flexible material and including an outer wall, an inner wall spaced concentrically from the outer wall and connected thereto at the top whereby to form an annular chamber closed at its upper end and surrounding said inner wall, said outer wall extending below the inner wall to form a fluid passage, said chamber having port communica-

tion with the said passage and the passage having a constricted outlet end, and means connect-



ing the lower end of the inner wall to the outer wall.

2,071,781
HYDRAULIC TRANSMISSION
James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 2, 1936, Serial No. 72,229
20 Claims. (Cl. 60—52)



1. A differential hydraulic transmission, comprising a hydraulic motor, a pump, a first fluid channel for directing the entire output of said pump to said motor to drive the same, a second fluid channel for directing liquid discharged from said motor to the intake of said pump, said motor and pump being so constructed that upon being operated in at least one direction by the output of said pump said motor will discharge liquid at a rate in excess of the rate said pump can receive liquid from said motor, and a self-adjusting orifice choke connected to said second channel to permit liquid to escape therefrom and to maintain a back pressure in said motor, said choke having means for momentarily delaying the adjustment thereof.

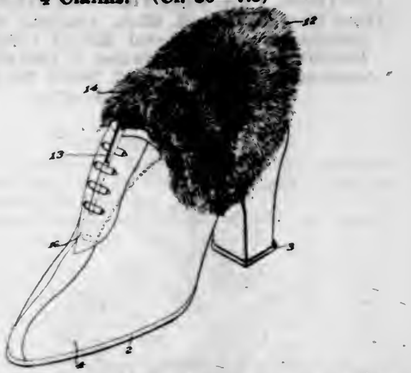
2,071,782
CINEMATOGRAPHIC PROJECTOR EMPLOYING COMBINED SOUND AND PICTURE FILMS
André Léon Victor Clement Debrie, Paris, France
Application February 13, 1936, Serial No. 63,802
In France February 26, 1935
2 Claims. (Cl. 179—100.3)

1. In a cinematographic projector for combined picture and sound films including a common picture and sound projecting lamp, the provision of an optical device for focusing a light beam from the lamp on to a portion of the sound record on the film and adapted to be arranged in front of said sound record on whatever edge of the film it lies, the optic axis of said optical device lying perpendicularly to the surface of the film at the point on which the beam is focused and parallel with the longitudinal axis of the lamp passing through the center of the lamp filament and at a small distance from said longitudinal axis towards the edge of the film which



carries the sound record, said optic device including a wedge adapted to deflect the beam along the optical axis of the optical device and lenses to either side of said wedge the foci of which are respectively on the filament of the lamp and on the sound record.

2,071,783
FUR TRIMMED OVERSHOE
Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1935, Serial No. 43,016
4 Claims. (Cl. 36—7.3)

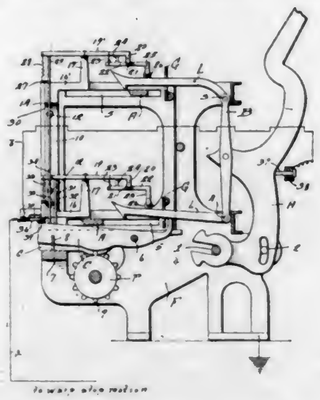


1. A rubber overshoe having an instep portion and being provided with a fur trimming extending along the upper margin of the rear portion of the upper of the shoe from one side of the upper around the back portion to the opposite side, a tongue in said shoe, said tongue underlying said instep portion and being secured at its lower portion thereto and free at its upper end, and a separate piece of fur trimming secured to the upper margin of said tongue and cooperating with the previously mentioned trimming to give the effect of an upper completely trimmed with fur.

2,071,784
ATTACHMENT FOR DOBBY HEADS
Ralph Coleman Edwards, Rome, Ga.
Application June 18, 1936, Serial No. 85,965
3 Claims. (Cl. 139—66)

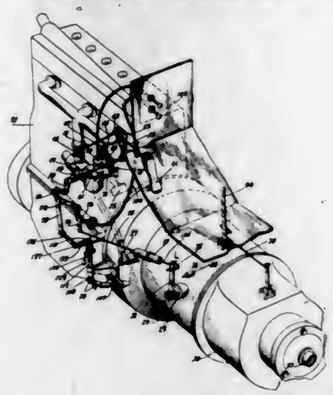
1. An attachment for a dobby loom comprising

a frame to be supported by the dobby frame above the jack lifters, said first named frame having upper and lower horizontal members, control levers supported intermediate their ends upon the upper and lower portions of the first frame for rocking movement, means carried by the in-



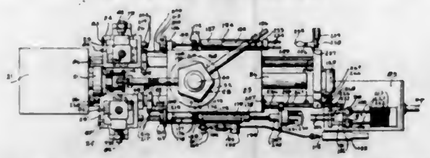
ner end portions of the control levers for contact from above with the jack hooks of the dobby, and rods slidably disposed between the horizontal members of the frame and interposed between the outer end portions of the control levers and the jack lifters.

2,071,785
CONTROL FOR FRICTION TRANSMISSION
Jacob Ehrlich, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 12, 1932, Serial No. 598,350
23 Claims. (Cl. 74—472)



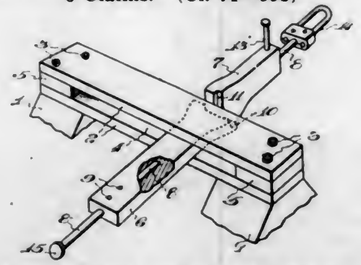
1. In a motor vehicle, the combination of an engine with an infinitely variable speed ratio transmission, means for regulating the speed of the engine, means for varying the ratio of the transmission, means including a manually operable member and a differential lever mechanically connected thereto to effect, first, an actuation of the engine speed regulating means and thereafter, by a continued movement of the manually operable member in the same direction, an operation of said transmission ratio varying means.

2,071,786
LATHE
Walter Ferris and George H. Fobian, Milwaukee, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 22, 1929, Serial No. 349,022
54 Claims. (Cl. 29—42)



1. In a machine tool or the like the combination of a support, a carriage movable lengthwise thereof, hydraulically actuated means for driving said carriage, means including a pump-fed hydraulic circuit for driving said hydraulically actuated means, a cross-slide movable transversely of said support, a separate hydraulically actuated means for driving said cross-slide, and means automatically operable to hydraulically connect said last named hydraulically actuated means in series in said circuit to thereby effect movement of said cross-slide at a rate corresponding to the rate of flow in said circuit.

2,071,787
ROD LINE HOOK-OFF AND ANCHOR
Walter W. Foster, Wichita Falls, Tex.
Application May 5, 1934, Serial No. 724,197
6 Claims. (Cl. 74—593)

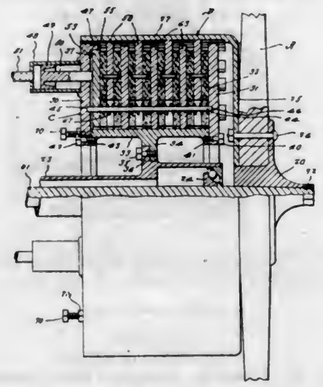


6. A surface rod line hook-off device for disconnecting a rod line from its reciprocating apparatus including a pair of co-axially alined and horizontally disposed members, a rod extending through the longitudinal axes of said members, and forming a connection between said rod line and said line reciprocating apparatus, one of said members being capable of movement relative to its companion member on said rod whereby to effect disconnection between said rod line and said rod line reciprocating apparatus and to prevent displacement of said rod line when said disconnection is effected, and means for supporting said rod line through which said members reciprocate.

2,071,788
INTERNALLY CONTRACTING DISK BRAKE FOR VEHICLES
Monson James Gillett, Halifax, Nova Scotia, Canada, assignor of one-half to Ivan S. Freeman, Halifax, Nova Scotia, Canada
Application February 12, 1935, Serial No. 6,242
2 Claims. (Cl. 188—72)

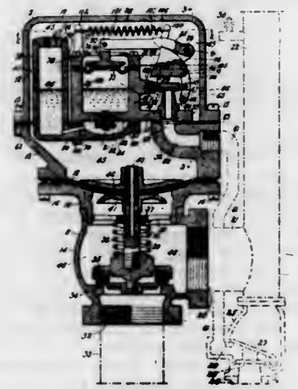
1. A brake for vehicles comprising a brake drum including a flange, a stationary housing within the drum, a pair of plates secured to the ends of

the housing one forming a braking surface and the other a cover plate for the drum, a pair of axially movable disks disposed in the housing, one of said disks splined on the housing and also slidably connected with the cover plate, means



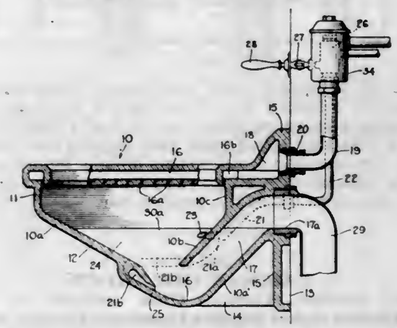
carried by the cover plate and engageable with said one disk for applying braking force, a rod on which said disks are slidable and spring means on said rod and bearing on said one disk to urge the disks apart when braking force is relaxed.

2,071,789
EXHAUSTER FOR SPRINKLER SYSTEMS
William B. Griffith, Audubon, N. J., and David Arthur Keller, Drexel Hill, Pa.
Application May 14, 1935, Serial No. 21,364
13 Claims. (Cl. 169—17)



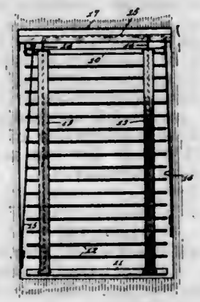
4. An exhauster for a dry pipe sprinkler system containing air under pressure comprising a pressure chamber adapted to contain air under the system pressure, an air retaining chamber, a member movably mounted between and separating said chambers, said member subjected externally to the pressure within the pressure chamber, a restricted connection between said chambers, a body of liquid occupying said connection, a valve controlling the flow of air from the pressure chamber, and means operatively associated with said member and the valve for opening the latter by a movement of said member caused by the expansive action of air retained under pressure within the retaining chamber by the inertia of the liquid during a sudden reduction in the pressure in said pressure chamber.

2,071,790
METHOD AND MEANS FOR FLUSHING DEFECATORS
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application January 4, 1936, Serial No. 57,487
8 Claims. (Cl. 4—69)



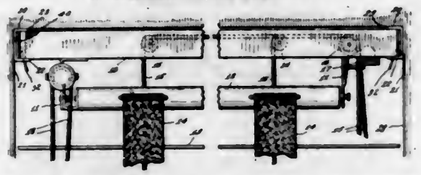
1. The method of flushing defecators having a bowl provided with a well and trapway arranged to receive an effluent of the nature of water serving as a seal, which includes introducing fluid of the nature of air under pressure to the well of said bowl for discharging the sealing effluent and therein contained contents through a suitable outlet, introducing a predetermined quantity of liquid of the nature of water into said bowl, and terminating the supply of air at a predetermined time before introduction of the said quantity of water or like liquid ceases.

2,071,791
VENETIAN BLIND
Ralph T. Hendricks, Indianapolis, Ind., assignor to Patterson Shade Co., Indianapolis, Ind., a corporation of Indiana
Application December 16, 1935, Serial No. 54,604
8 Claims. (Cl. 156—17)



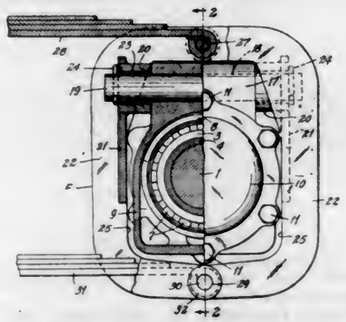
1. In a Venetian blind, a releasable tape-fastening device which consists of a two-part staple each part of which has a threaded portion which may be screwed into a slat-edge, one of said staple-parts being provided with an arm which extends transversely of its screw-threaded portion to overlap the other staple-part and to provide an arm for receiving a loop of a tape-ladder of said Venetian blind.

2,071,792
VENETIAN BLIND MOUNTING
Ralph T. Hendricks, Indianapolis, Ind., assignor to Patterson Shade Co., Indianapolis, Ind., a corporation of Indiana
Application February 24, 1936, Serial No. 65,259
6 Claims. (Cl. 156—17)



1. A Venetian-blind mounting, comprising a bracket adapted for mounting on a frame and having a ledge on which an end of a header bar of a Venetian blind rests, said header bar having an opening and a releasable spring mounted on said bracket and adapted by its resilience to enter the opening in the header bar.

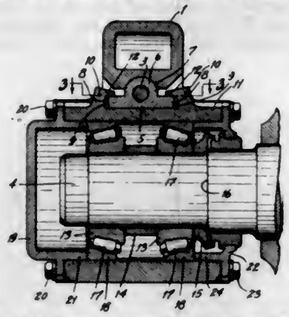
2,071,793
RAILWAY CAR TRUCK
Joel Hektner, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application September 3, 1935, Serial No. 38,866
3 Claims. (Cl. 105—223)



1. A car truck comprising a frame member, an axle, a bearing housing receiving said axle, antifriction bearings between said axle and said housing, a pivot pin mounted in said frame member above the level of the body of said housing and disposed transversely of said axle, said housing having a perforated projection on its top by which it is pivotally suspended on said pivot pin, and springs extending transversely of said axle and secured respectively to the top and to the bottom of said frame member.

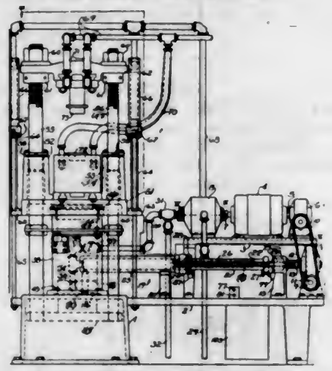
2,071,794
RAILWAY CAR TRUCK
Joel Hektner, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Original application September 3, 1935, Serial No. 38,866. Divided and this application July 10, 1936, Serial No. 89,924
3 Claims. (Cl. 105—223)

1. A car truck comprising a frame member, an axle, a bearing housing receiving said axle, antifriction bearings between said axle and said housing, the top of said housing having spaced overhanging lugs, a pivot block having flanges fitting beneath said lugs, said flanges being convexly curved endwise and a pivot pin supporting said



pivot block, said pin being secured to said frame and extending transversely of the axle.

2,071,795
MOLDING PRESS
Arthur M. Howald, Toledo, Ohio, assignor, by mesne assignments, to Plaskon Company, Incorporated, a corporation of Delaware
Application June 11, 1935, Serial No. 26,085
8 Claims. (Cl. 60—52)

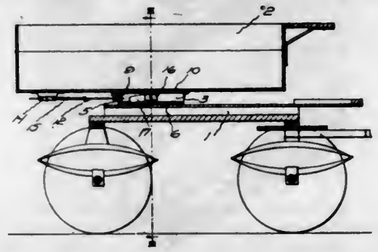


1. In a device of the class described, in combination, a hydraulic press cylinder, a piston movable therein, a high capacity pump for forcing liquid into said hydraulic press cylinder, a high pressure ram for also forcing liquid into said hydraulic press cylinder, means for separately and simultaneously operating said pump and ram, means operative upon the attainment of a comparatively low pressure for automatically causing liquid from said pump to cease to flow into said hydraulic press cylinder, means operative upon attainment of a higher pressure for automatically stopping the action of said high pressure ram, and means operative after a predetermined interval for automatically returning said high pressure ram to its initial condition.

2,071,796
TIP-WAGON
Ivar Ingwarsson, Klagstorp, Sweden
Application January 9, 1936, Serial No. 58,378
In Sweden January 19, 1935
5 Claims. (Cl. 298—18)

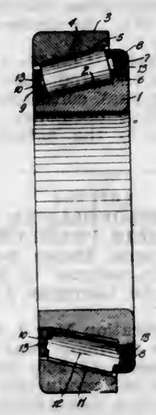
1. A tip-wagon comprising conventional undercarriage and body, said undercarriage being provided with longitudinal section irons and a transverse section iron located at the rear ends

of said longitudinal irons, each of said section irons having upwardly extending vertical webs, said body resting upon said vertical webs, said body being provided on the under surface with two longitudinal section irons and a transverse section iron located at the rear ends of said last mentioned longitudinal section irons, all of the section irons on the body having downwardly extending vertical webs, said body also having another set of longitudinal and transverse section irons with angularly depending webs disposed outside the other section irons of the body in such a relation that when the body is placed



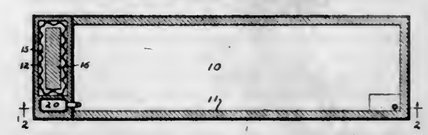
on the undercarriage the webs of the section irons on the undercarriage extend into the channel formed between the two sets of depending webs of the section irons on the under surface of the body, all of said section irons encompassing an area substantially smaller than that of the under surface of said body, said body being tiltable to either side or rearwardly, said body turning on the upper edge of the vertical web of the transverse section iron on the undercarriage when tilted rearwardly, and on the upper edge of the vertical web of the respective longitudinal section iron on the undercarriage when the body is tilted to either side.

2,071,797
ROLLER BEARING
Ward G. Kifer, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 14, 1935, Serial No. 49,656
4 Claims. (Cl. 308—214)



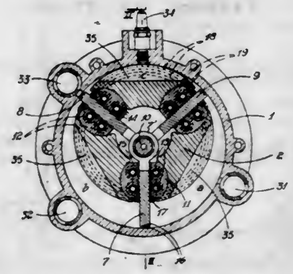
1. A roller bearing comprising an inner bearing member having a conical raceway and a thrust rib, with its bearing face undercut, at the large end thereof, an outer bearing member having a conical raceway, a series of flat-end taper rollers between said raceways, and spacing members of brass or similar material between said rollers, said inner bearing member having, at the ends of its raceway, relatively longitudinally movable ribs with annular grooves therein, and said spacing members having relatively wide end projections that extend into said grooves, the dimension of said spacing members radially of the bearing being almost equal to the diameter of the rollers whereby the adjacent spacing members take the radial load when the roller between them breaks.

2,071,798
REFRIGERATION
James N. Lewis, Columbus, Ohio, assignor to Lewis Refrigeration, Inc., Columbus, Ohio, a corporation of Ohio
Application March 8, 1934, Serial No. 714,577
5 Claims. (Cl. 62—91.5)



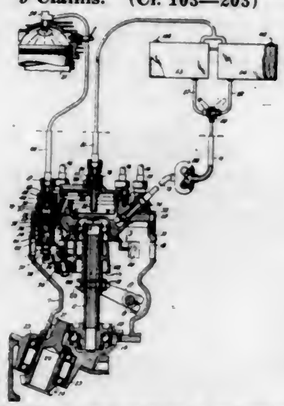
1. A refrigerator comprising a heat insulated storage compartment, a second heat insulated compartment adjacent to but heat insulated from the storage compartment, an uninsulated conduit opening to said second compartment and extending through the first compartment to the exterior thereof, and means in said conduit for drawing off gases from the second compartment and discharging them to the outside atmosphere.

2,071,799
ROTARY ENGINE
Raoul Mabille, Brussels, Belgium
Application August 27, 1935, Serial No. 38,129
In Belgium September 8, 1934
12 Claims. (Cl. 103—144)



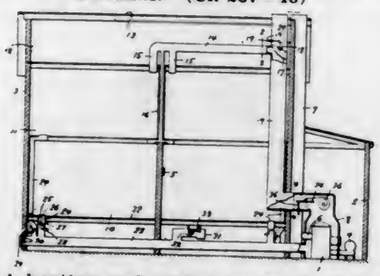
1. In a rotary engine, the combination of a cylindrical stator, two parallel shafts, one being concentric and the other eccentric to said stator, a rotor on said eccentric shaft, bearings in said rotor comprising each two substantially semi-cylindrical members, radial vanes on said concentric shaft, said vanes extending each through said rotor between two of said semi-cylindrical members, needle bearings mounted in said semi-cylindrical members, spindles in said needle bearings extending parallel to said vanes, rollers on said spindles, said rollers bearing against said vanes, packing between said semi-cylindrical members and the associated vanes, packing along the outer edges and the sides of said vanes, and packing along the sides of said rotor.

2,071,800
FUEL PUMP
Frank C. Mock, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 11, 1932, Serial No. 637,341
9 Claims. (Cl. 103—203)



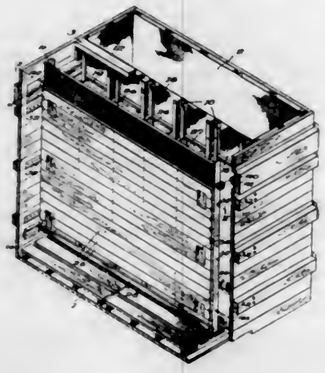
1. A fuel pump comprising a cylinder having an outlet in its top wall and a piston and a fuel inlet arranged to be uncovered by said piston, means for forcing fuel to the cylinder, means for venting gases occluded in said cylinder during at least a portion of the time during which a fuel charge is forced to the cylinder, said venting means including a reduced piston portion extending upwardly in said cylinder having an opening adapted to be periodically connected to the exterior of the cylinder venting means.

2,071,801
HEATING AND COOLING SYSTEM
Theodore M. Rust and David T. Craft, Norfolk, Va.
Application March 5, 1936, Serial No. 67,399
3 Claims. (Cl. 237—48)



1. A heating and cooling system for buildings comprising, in combination, a heating plant, a conduit extending from said heating plant to the atmosphere, a manifold establishing communication between said conduit and the interior of the building, and a thermally controlled damper mounted in the conduit at a point between the manifold and the outlet end of said conduit to the atmosphere, said manifold extending horizontally from the conduit and having downwardly extending branches opening through the ceilings of the upper rooms of the building, one of said branches being enclosed in one of the partitions for the rooms and having a plurality of lateral branches opening through the ceilings of a lower group of rooms.

2,071,802
RAILWAY OR OTHER VEHICLES
Edward A. Sweeley, Alexandria, Va., and Norman T. Anderson, Washington, D. C.
Application July 24, 1936, Serial No. 92,420
14 Claims. (Cl. 105—376)



1. In a bulkhead or partition for use in the loading space of a railway or other vehicle, the combination comprising a two part structure, of which one part is fixed with reference to the vehicle and the other part is movable to adjusted positions and in spaced relation to the fixed part, the juxtaposed faces of the two parts and their structural elements being so relatively arranged that they may be adjusted in a nesting relationship the combined thickness of the two parts in said relationship being not substantially greater than that of a unitary structure of like strength and resistance to load and ice forces.

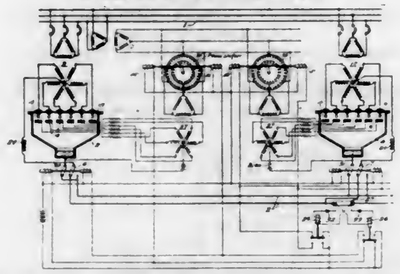
2,071,803
ACYL OCTAHYDRO FOLLICLE HORMONES AND THEIR PRODUCTION
Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany
No Drawing. Application November 8, 1934, Serial No. 752,014. In Germany November 9, 1933
26 Claims. (Cl. 260—106)

1. A method for the production of acyl octahydro follicle hormones, consisting in subjecting the octahydro follicle hormones of the general formula $C_{18}H_{30}O_2$ to the action of acylating agents.

2,071,804
ACYL OCTAHYDROFOLLICLE HORMONES AND THEIR PRODUCTION
Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany
No Drawing. Application May 4, 1934, Serial No. 723,898. In Germany May 5, 1933
6 Claims. (Cl. 260—103)

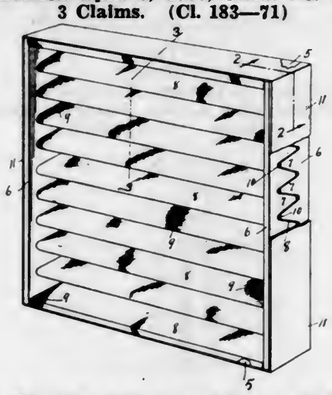
1. A method for the production of acyl octahydrofollicle hormones, comprising subjecting the acyl derivatives of the dihydrofollicle hormone to a hydrogenating treatment sufficient only to cause the benzene nucleus present in the starting material to be transformed into the cyclohexane nucleus.

2,071,805
REVERSIBLE CONVERSION SYSTEM
Jürgen von Issendorff, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1935, Serial No. 10,202
In Germany March 6, 1934
5 Claims. (Cl. 175—363)



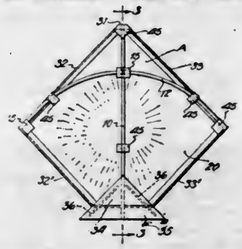
1. A continuously operable reversible current conversion system comprising an alternating-current system, a direct-current system, at least two grid controlled arc-discharge devices for transferring energy between said systems, switching means for each of said devices for determining the direction of current transfer thereby, a source of potential connected to said grids and relays for controlling said switching means whereby the connection of the arc discharge devices is controlled in a step-by-step manner in accordance with the electrical operating values of the direct-current circuit, so that one of said converters is connected for reverse operation before actual reversal of current flow between said lines.

2,071,806
AIR FILTER FOR VENTILATING SYSTEMS OR APPARATUS
Russell S. Walker, Duluth, Minn., assignor to Universal Air Filter Corporation, Duluth, Minn., a corporation of Minnesota
Application April 6, 1936, Serial No. 72,903
3 Claims. (Cl. 183—71)



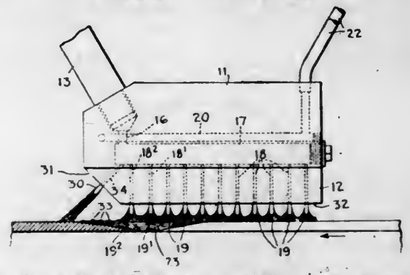
1. A filtering unit comprising a rectangular frame, a corrugated filtering sheet and ridge-rods, said frame having opposite sides made up of complemental bars having intermeshing teeth, said ridge-rods being positioned in the crotches of the corrugations of said sheet with their ends held seated between the crotches and points of the teeth of said complemental bars.

2,071,807
KITE
Ivan Wolff, New York, N. Y., assignor to Arthur A. Johnson, Bridgeport, Conn.
Application April 4, 1933, Serial No. 664,322
Renewed July 14, 1936
11 Claims. (Cl. 244—153)



1. In a kite, a cover substantially as flexible as ordinary tissue paper, and a frame for said cover including a spine member and a bow member, said kite being normally substantially uniplanar with said bow member being downwardly arched at its opposite ends, said kite having substantially the outline of a diamond with one of its diagonals vertical, said spine member extending along said diagonal, said bow member at substantially its midpoint crossing the spine member at a point considerably above its midpoint, said spine member being so flexible along its main length below such crossing that such length curvilinearly trails the normal uniplanar front of the kite from wind pressure thereon while the kite is in flight, the kite edges which downwardly converge from the bow member toward the bottom of the spine member being also highly flexible and there being highly flexible reinforcing means such as ordinary cotton thread along said kite edges whereby the wind pressure on the face of the kite acts through said cover to arch said kite edges to provide valley-like depressions in the face of the kite on opposite sides of the spine member wholly below the bow member.

2,071,808
METHOD AND APPARATUS FOR FUSION WELDING
James L. Anderson, Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application February 25, 1932, Serial No. 594,998
15 Claims. (Cl. 113—59)



1. A method of fusion welding seams which comprises progressively heating and fusing the seam by the application of a relatively large number of high temperature flames thereto, permitting or causing the weld to cool sufficiently to permit gases to escape from the metal, and thereupon releasing gas pockets from the weld

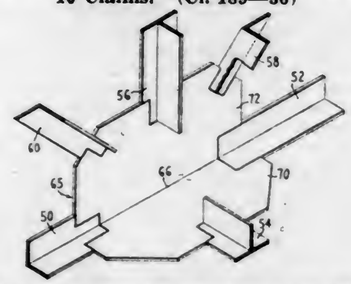
and erasing craters or other irregularities to smooth the weld by applying a high-temperature gas flame to the weld immediately after it has cooled sufficiently to permit gases to escape from the metal.

11. A machine welding torch for progressively fusing together the edges of seams, having means for forming the mixture of the oxygen and combustible gas, means for delivering the mixture through a series of preheating and welding jet passages and an additional flame jet passage positioned considerably behind and at a divergent angle to the aforesaid jets.

2,071,809
WELDED STRUCTURE

James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application November 10, 1933, Serial No. 697,450
10 Claims. (Cl. 189—36)

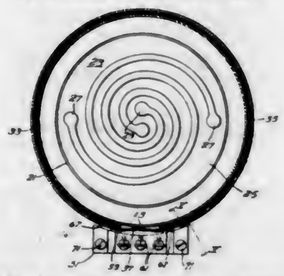


10. An angle plate for connecting the members of a welded structure, said angle plate having cut-out recesses extending on both sides of the line of intersection of the angle plate for receiving structural angles and forming with said angles butt joints for welding, said angle plate also having cut-out recesses terminating short of the line of intersection of said angle plate and each shaped to receive the end of a structural member and provide a butt joint with said member for at least a portion of the edge of the recess, all of said recesses in the angle plate being shaped so that the joints with the structural members are longer than the width of a right section through said members and have a portion subject to shear when the joint is welded and the structure loaded.

2,071,810
COOKING APPLIANCE

Alfons Barnsteiner, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 28, 1935, Serial No. 8,674
4 Claims. (Cl. 219—35)

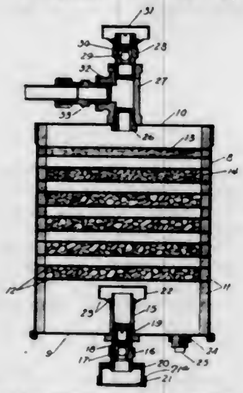


3. An electric cooking device comprising in combination, an inner sheet metal casing, heat-insulating material located against the outside of the inner casing except in one area and a cylindrical resilient sheet metal outer casing surrounding the heat-insulating material and having an axially-extending radially-indented portion opposite said area.

2,071,811
ATTACHMENT FOR A NONFOGGING GLAZING PANEL

Frank J. Bartuska and Emil E. Bartuska, Riverside, Ill.

Application August 30, 1935, Serial No. 38,542
3 Claims. (Cl. 183—4)



3. In combination with a glazing panel having an air space, means for supplying to the air space of said glazing panel dehydrated air under less than atmospheric pressure, said means including a passage containing hydroscopic material and having a valve controlled inlet from the atmosphere, the action of which valve is balanced so that the valve closes when the pressure within the passage containing the hydroscopic material has reached a predetermined degree below atmospheric pressure, and a second valve for permitting the escape of air from the glazing panel under pressures produced by high temperatures.

2,071,812
CLOTHESPIN

Edward C. Behnke, Chicago, Ill.

Application May 8, 1935, Serial No. 20,339
1 Claim. (Cl. 24—138)

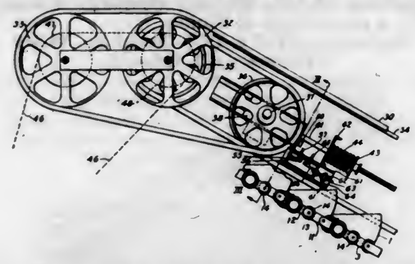


A clothespin as described having a general cylindrical contour and a central end bore and radial recesses merging therewith, whereby to define three legs, said legs each having its inner radial face flattened, said legs all adapted to engage a clothesline and to secure said clothesline by bending the same opposite the flattened face of one of said legs.

2,071,813
MOVING STAIRWAY

Edgar M. Bouton, Chicago, Ill., and George C. Saltzman, Edgewood, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application January 11, 1935, Serial No. 1,282
2 Claims. (Cl. 198—16)

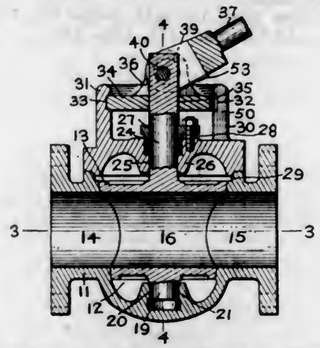


1. In a moving stairway having a plurality of movable steps, a plurality of newel wheels, an endless flexible handrail disposed on the newel wheels for operation in accordance with the movement of the steps, a device for applying a predetermined tension to the handrail to maintain it in a taut condition over the newel wheels, a signal device, a circuit for connecting the signal device to a source of electrical energy, a switch for controlling said circuit, means responsive to a predetermined decrease in such tension, prior to the time when the tension device should be readjusted, for closing the switch to energize the signal device for indicating that the tensioning device requires adjustment, and means for readjusting the position of the switch after the tension device has been adjusted whereby a further decrease in the tension will again operate the switch to energize the signal device to indicate that the tension device again needs adjustment.

2,071,814
VALVE

Eugene C. Brisbane, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

Application May 17, 1934, Serial No. 726,027
3 Claims. (Cl. 251—97)

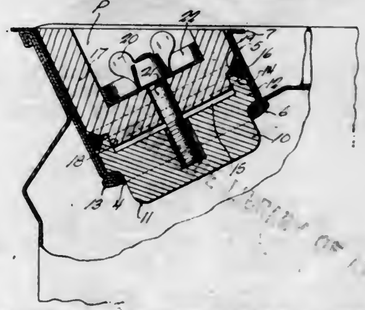


1. A valve comprising a body having a seat formed therein, a tapered plug cooperating with said seat for controlling communication through the valve, a stem fixed to said plug and projecting through one side of the valve body, a pair of diametrically disposed upwardly projecting standards rigidly fixed to the valve body, said standards being arcuate in cross section and surrounding the valve stem, a disk rotatably mounted between said standards, a lever carried by said disk, means for eccentrically pivotally connecting said lever with said valve stem, whereby operation of said lever in a vertical plane effects bodily movement of said plug away from and towards said seat and movement of said lever in a horizontal plane turns said plug on its own axis, and means formed on said lever for engaging said standards for limiting the horizontal movement of said lever in the space between said standards.

2,071,815
DISPENSING CONTAINER

Alfred J. Chamberlain, Wauwatosa, Wis.

Application October 10, 1934, Serial No. 747,674
13 Claims. (Cl. 221—11)



1. A dispensing container having a discharge spout and a closure for said spout comprising a plug adapted to be positioned in the spout and made up of a plurality of parts, said parts having confronting beveled portions defining a substantially V-shaped recess in the periphery thereof, a sealing ring of rubber in said recess, and means for securing said parts together to cause the beveled surfaces thereof to distort the sealing ring into secure sealing and mechanical engagement with the closure plug and with the spout.

2,071,816
MANUFACTURE OF ACID COMPOSITIONS

Tom Cummings, Brooklyn, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York

No Drawing. Application September 13, 1933, Serial No. 689,263
3 Claims. (Cl. 23—5)

1. The method of making a hydrofluoric acid-ammonia composition which comprises treating a substantially water-free solid fluoride of ammonia with substantially anhydrous liquid hydrofluoric acid, and regulating the amount of acid employed so that the resulting mass formed is liquid at normal temperatures.

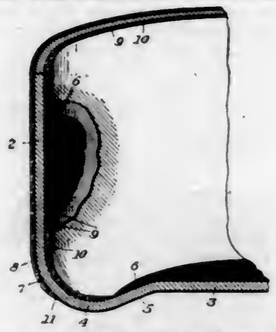
2,071,817
ENAMELWARE UTENSIL

Herbert Dean, Mount Lebanon, Pa., assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa., a corporation of Pennsylvania

Application July 10, 1934, Serial No. 734,458
1 Claim. (Cl. 91—73)

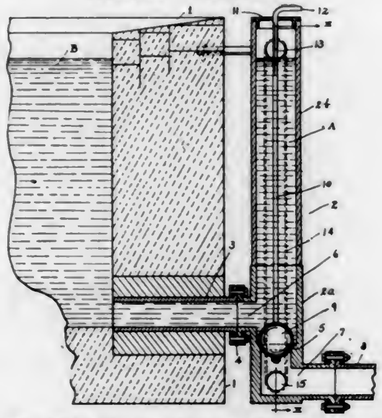
The method of making enamelware cooking vessels which comprises applying a base coating of enamel forming material uniformly over the entire surface of a thin metal vessel, firing the metal to mature the base coating, thereafter applying an additional coating of enamel-forming material over the entire vessel inside and

out, drying the additional coating material, thereafter wiping the additional coating material off the main portion of the bottom of the vessel both inside and outside of the vessel, rendering



the surfaces so wiped entirely free of the additional coating material and again firing the ware to mature the additional coating material remaining on the sides of the vessel.

2,071,818
PICKLING APPARATUS
Albert Dietzel, Pittsburgh, Pa.
Application May 11, 1936, Serial No. 79,002
2 Claims. (Cl. 266—7)



1. In combination; a tank having acid-resisting floor and side walls and adapted to contain a bath of pickling acid into which quantities of fortifying acid are introduced and circulated, as described; means for normally maintaining said circulated bath at predetermined level in said tank and for occasionally draining the tank, said means comprising a stand-pipe mounted externally of and adjacent to the side wall of said tank, said stand-pipe being constructed of acid-resisting material and including adjacent its base a valve-seat, a passage extending from the bottom region of said tank and opening into said stand-pipe on one side of said valve-seat and a drain opening on the opposite side of said seat, a duct extending from above said seat to said drain, said duct opening into said stand-pipe at an elevation near the top of said tank, whereby pursuant upon the fortification of said bath, acid flows through said passage at the bottom of the tank and rises in and escapes from said stand-pipe in such manner as to maintain the circulated bath at desired level in the tank, a valve normally resting on said seat and closing communication between said passage and said drain, and a valve-operating rod extending upward in said stand-pipe.

2,071,819
MOVING STAIRWAY
James Dunlop, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application April 2, 1935, Serial No. 14,246
5 Claims. (Cl. 198—16)



1. In a moving stairway for connecting an upper landing and a lower landing, a plurality of moving steps, and means for operating the steps along an incline from the upper landing to the lower landing, an oil holding pan disposed beneath the steps and operating means in a line approximately parallel to the inclination of the steps and extending from the lower landing to the upper landing in position to catch and retain oil dripping from the stairway, a textile sheet disposed in the oil pan to catch dirt from the stairway but to permit oil to collect in the pan, a roller for supporting the sheet when it is to be placed in the pan or withdrawn therefrom, means for removably supporting the roller at the upper end of the oil pan whereby the sheet with the dirt collected thereon may be removed bodily for cleaning a crank for rotating the roller, and a weight connected to one end of the sheet to cause it to slide down the inclined oil pan when the roller is rotated to release the sheet.

2,071,820
ELEVATOR SYSTEM
William F. Eames, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1934, Serial No. 720,585
13 Claims. (Cl. 177—336)



1. In a controller for an elevator car operating past a floor; a signal device on the car associated with said floor; actuable means for operating said signal device to give a signal; an automatic centering car stopping switch with two operated positions associated with said floor for controlling the stopping of the car at said floor; means to retain said switch in one operated position; and additional means to hold said switch in the other operated position, effective only while the first mentioned means is in the actuated condition.

2,071,821
PHOTOGRAPHIC IMAGE BEARER AND METHOD OF MAKING SAME
Emil Eduard Eckardt, Dresden, Germany
Application November 18, 1933, Serial No. 698,671
In Germany April 18, 1931
21 Claims. (Cl. 95—88)

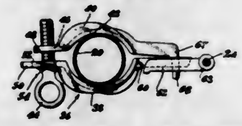


1. A method of producing layers with metal images from light-sensitive metal halide layers comprising softening of exposed and developed layers to a jelly-like consistency and carrying the softening process on without dissolution of the emulsion until the metal image in the layer while still in gelatinous state skeletonizes by the metal particles cohering to form irregular or curved lines which contrast to a new bright background between the said lines, thus imparting to a photograph the character of an engraving or an etching and saving the need of a separate screen when the said layer is to be used for making therefrom printing surfaces for mechanically printed reproductions.

2,071,822
FABRICATED VEGETABLE FIBROUS MATERIAL AND METHOD OF MAKING THE SAME
George H. Ellis, New Brighton, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application February 17, 1936, Serial No. 64,376
10 Claims. (Cl. 92—21)

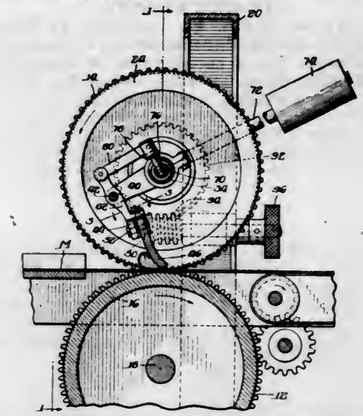
10. The method of making vegetable fiber products which includes commingling with fibers in a water bath a mixture of sizing material and a toxic agent of water soluble chloro-phenolates, adding zinc chloride only in an amount sufficient to insolublize the phenolates, and thereafter adding alum.

2,071,823
GUIDE ARM FOR VALVE RODS
James F. Duncan, Waterbury, Conn.
Application March 25, 1936, Serial No. 70,806
4 Claims. (Cl. 4—57)



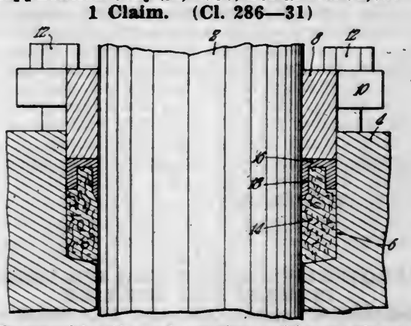
1. A device of the character described including pivotally mounted members having curved portions adapted to embrace a supporting member, means for releasably holding said members in adjusted position, a guide arm adjustably mounted on one of said members, said guide arm and said last mentioned member having alined openings, said other member having a portion extending through said openings for pivotally mounting said members with respect to each other.

2,071,824
STENCIL PRINTING MACHINE
Caspar F. Engert, Chicago, Ill., assignor to Foster Products, Inc., Chicago, Ill., a corporation of Illinois
Application October 13, 1933, Serial No. 693,424
13 Claims. (Cl. 101—116)



1. A machine of the character described, having, in combination, a plurality of rolls, one of said rolls comprising a backing roll and the other comprising a screen stencil, a plurality of supports for holding said stencil in a stretched condition, means for moving the supports in the direction of one another to permit removal of the screen stencil, a squeegee positioned within the interior of the stencil, and means for admitting pigment to said stencil in advance of the squeegee.

2,071,825
PACKING
George A. Finlayson, West Springfield, Mass.
Application July 21, 1936, Serial No. 91,687
1 Claim. (Cl. 286—31)



The combination of a reciprocable member and a stuffing box therefor comprising, a part surrounding the reciprocable member provided with an enlarged bore having a bottom, yieldable packing in the bore, a gland in the upper part of the bore, means for moving said gland downwardly, and a ring member below said gland having an upper wall and outer and inner walls providing a space therebetween in which said

yieldable packing is received, the outer wall being disposed against the wall of the bore and of less length than the inner wall and the inner wall embracing said reciprocable member and being relatively thinner than the outer wall and yieldable inwardly against the reciprocable plunger, the said inner wall being provided with cuts extending upwardly from its lower edge and the outer side thereof at said lower edge being tapered.

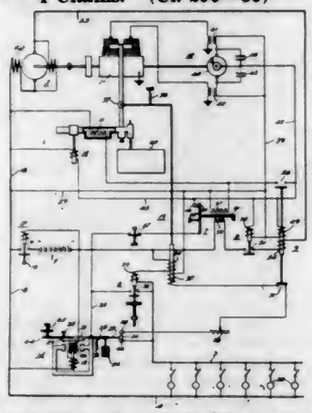
2,071,826

BATTERY CHARGE CONTROL FOR SMALL POWER PLANTS

Leo C. Frank, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 14, 1934, Serial No. 730,627

4 Claims. (Cl. 290—30)



1. In a system of control for a small power plant including an internal combustion engine, a dynamo-electric machine, a battery, load lines, current-consuming units in the load lines and circuits for operating said dynamo-electric machine as a motor to start the engine or as a generator to supply energy to the load lines, in combination, a system of control including a governor having a current coil responsive to the current in the load line and a voltage coil responsive to the voltage across the load lines, and a relay including actuating means adapted to close the circuit of the voltage coil when the voltage of the battery is of a normal value and adapted to open the circuit of the voltage coil when the voltage of the battery is below a given value during the starting of the engine, and adjusting means for the relay whereby the circuit of said voltage coil is maintained open by said relay once said relay has operated to open the circuit dependent upon the condition of discharge of the battery.

2,071,827

PROTECTIVE ARMOR FOR FOOTBALL PLAYERS AND THE LIKE

Frederick W. Glahe, Chicago, Ill., assignor to A. G. Spalding & Bros., New York, N. Y., a corporation of New Jersey

Application September 29, 1936, Serial No. 103,093

2 Claims. (Cl. 2—2)

1. A protective armor for football players and the like comprising a semi-rigid and impermeable shell shaped to conform to the body of the wearer, a substantially impermeable padding layer secured to the inner side of the shell, and an elastic webbing applied to the inner surface of the padding layer to draw it away from the shell and



form between the padding layer and the shell an air chamber.

2,071,828

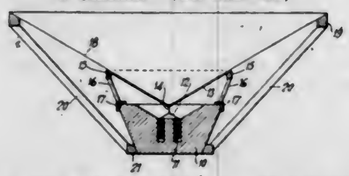
LOUDSPEAKER, SOUND REPRODUCING INSTRUMENT, AND THE LIKE

Robert Rodger Glen, Anglet, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y., a corporation of Delaware

Application October 16, 1934, Serial No. 748,474

In Great Britain June 19, 1934

5 Claims. (Cl. 181—31)



1. In loud speakers and the like, the combination with a driving unit, of a driving diaphragm connected to be actuated by said unit, and a second diaphragm independently mounted in substantially parallel spaced relation to the first said diaphragm; the intervening space being in free communication with the atmosphere and of a width such that said second diaphragm is driven from the first solely by the acoustic vibration of the air in the space between said diaphragms.

2,071,829

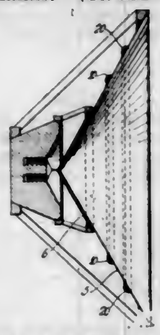
LOUDSPEAKER AND LIKE INSTRUMENT

Robert Rodger Glen, Anglet, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y., a corporation of Delaware

Application March 27, 1935, Serial No. 13,241

In Great Britain July 4, 1934

2 Claims. (Cl. 181—31)



1. In loudspeakers and like instruments, the combination with electrodynamic driving means, of a conical sound emitting diaphragm in operative association with said driving means, and a loading agent disposed on said diaphragm and having boundaries defined by the intersection of planes with the cone that are substantially normal to the axis of the cone; said agent consisting of one or more continuous flexible bands of non-resonant material.

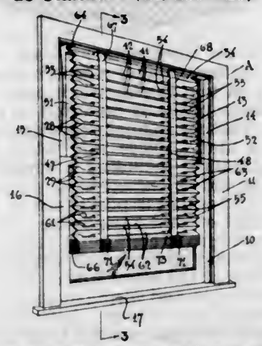
2,071,830

WINDOW SHADE

Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota

Application July 8, 1935, Serial No. 30,242

15 Claims. (Cl. 156—16)



1. A window shade comprising a plurality of elongated panels, hingedly connected together along alternate edges thereof, and foldable into juxtaposition or into angular position, said panels when in angular position being arranged in two series, the panels of one series inclining in one direction and the panels of the other series inclining in another direction, the panels of one series having openings therein, and deflectors on the panels of the other series disposed in proximity to said openings.

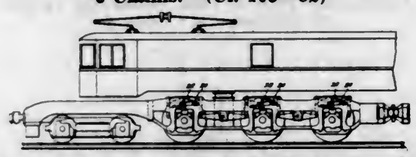
2,071,831

SHOCK ABSORBER

Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application August 6, 1932, Serial No. 627,758. Divided and this application May 19, 1934, Serial No. 726,598

6 Claims. (Cl. 105—82)



1. An inertia controlled shock absorber for a rail vehicle connected between the sprung and unsprung masses of a rail vehicle adapted to produce a resisting force to relative movements of the sprung and unsprung mass of a value determined by the rate of change of velocity of the sprung mass relative to the unsprung mass to thus reduce the "nosing" action of the vehicle.

2,071,832

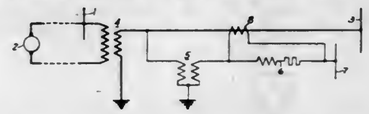
COMPENSATOR FOR METERING SYSTEMS

Edwin L. Harder, Forest Hills, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 29, 1935, Serial No. 52,121

8 Claims. (Cl. 171—97)

1. In an alternating-current system, a high-voltage alternating-current circuit having equivalent series impedance and equivalent shunt admittance associated therewith, a potential circuit, energizing means for said potential circuit including a mutual impedance device for applying reduced voltage derived from said alternating current circuit to said potential circuit, said energizing means including a series impedance element and including an impedance shunt connected on the load side of at least part of said series impedance element, said impedance shunt being designed to produce a voltage drop in said series impedance element equivalent in value but opposite in sign to the impedance drop in said equivalent series impedance caused by said equivalent shunt admittance.



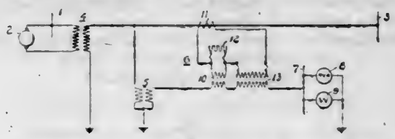
2,071,833

ALTERNATING-CURRENT COMPENSATOR

Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 29, 1935, Serial No. 52,122

6 Claims. (Cl. 171—97)



6. In an alternating-current system, an alternating-current circuit having equivalent series resistance and reactance associated therewith, a power potential circuit, a reactive potential circuit, resistance compensating means included in said power potential circuit, reactance compensating means included in said reactive potential circuit, means responsive to a current condition derived from said alternating-current circuit for energizing said resistance compensating means and said reactance compensating means, and mutual impedance means for applying reduced voltage derived from said alternating-current circuit to said power potential circuit and said reactive potential circuit.

2,071,834

POLYPHASE IMPEDANCE DROP COMPENSATOR

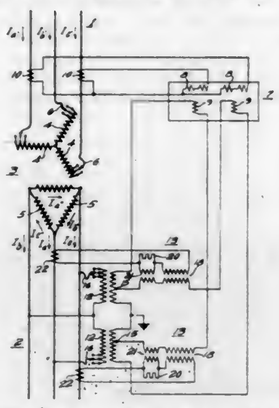
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 13, 1935, Serial No. 54,255

5 Claims. (Cl. 172—237)

1. In an alternating-current system, a pair of polyphase circuits, translating means including a closed circuit connected to all phases of a first of said polyphase circuits and having substantially uniform leakage impedance between all phases thereof, said closed circuit having substantially uniform mutual impedance to all phases of the second of said polyphase circuits, and means for deriving voltages of one of said polyphase circuits from the other thereof comprising phase-

shifting means for correcting the shift of phase voltages in said translating means, and compen-



sating means for correcting the leakage impedance voltage loss in said translating means.

2,071,835
PROCESS AND APPARATUS FOR TREATING RESIDUE, WASTE, AND THE LIKE
Leonhard Hermanns, Oberhausen-Sterkrade, Germany, assignor to the firm Gutehoffnungshütte Oberhausen Aktiengesellschaft, Oberhausen-Rhineland, Germany
Application April 27, 1935, Serial No. 18,509
In Germany August 27, 1934
2 Claims. (Cl. 110—8)

1. The process of disposing of residue, waste, and the like, which comprises subjecting the material to be treated simultaneously in two separate compartments to the action of heat, increasing the temperature in one of said compartments to effect smelting of the material therein, conducting the heat gases of the smelt to the other compartment while, at the same time, passing to said other compartment a supply of fresh air for at least partial incineration therein, tapping the first compartment to discharge therefrom the molten material, introducing a fresh charge into said first compartment, and then repeating the process in the reverse order.

2,071,836
PIGMENTED COMPOSITION
Russell L. Jenkins, Anniston, Ala., assignor to Swann Research, Inc., a corporation
No Drawing. Application February 29, 1932, Serial No. 595,959
13 Claims. (Cl. 106—40)

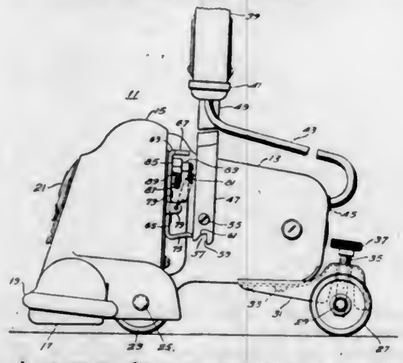
1. Process of producing translucency in organic plastic compositions consisting in incorporating with the plastic a highly halogenated diphenyl.

2,071,837
CIRCUIT BREAKER
Oliver S. Jennings and Hiller D. Dorfman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 9, 1934, Serial No. 729,815
3 Claims. (Cl. 200—154)



1. In a circuit interrupter; a base member; a stationary contact means; a switch arm movable to an open and to a closed circuit position; a contact assemblage pivotally mounted on said switch arm; and actuating means for moving said switch arm to open and to close said interrupter; said contact assemblage including a contact member which is adapted to engage said stationary contact means and which is positioned at one side of the pivot point of said assemblage, a tail portion which is mechanically connected at one end thereof to said contact member and which has a portion positioned at the other side of the pivot point of said assemblage, and spring means which biases said assemblage for rotation about the said pivot point toward the open circuit position; the end of said tail portion opposite to that which is connected to said contact member being held in slidable engagement with said base member by the reaction force of said biasing means at all times during the operation of said switch, in order that said contact assemblage shall be caused to rotate about its axis during the circuit opening operation, in such manner that said contact member shall be moved away from said stationary contact means, during the entire opening operation of said switch, at a rate of motion greater than the rate which would result if said contact member were rigidly connected to said switch arm.

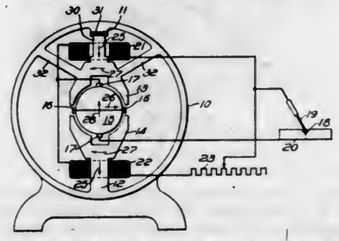
2,071,838
VACUUM CLEANER
Richard H. Jordan, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1935, Serial No. 24,528
12 Claims. (Cl. 306—4)



1. A vacuum cleaner comprising in combination, a casing, a substantially vertically extending lever on the casing having top and bottom lateral extensions, and a handle fork pivotally mounted on the casing and adapted to engage

the bottom lateral extension to prevent backward turning movement of the handle fork in one position thereof, the lower edge of one fork member being provided with a recess in which the bottom lateral extension of the lever may interfit to cause the handle fork to have turning movement on the casing in a predetermined limited zone.

2,071,839
DYNAMO-ELECTRIC MACHINE
Viliam Kauders, Prague, Czechoslovakia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 12, 1933, Serial No. 665,723
In Czechoslovakia April 14, 1932
15 Claims. (Cl. 171—229)



1. A dynamo-electric machine of the cross-field type comprising, in combination, a field structure, a pair of oppositely disposed and inwardly projecting pole pieces carried by the field structure, an armature disposed between the pole pieces, a field winding individual to each pole piece, the field windings being connected in parallel circuit relation to each other and in series circuit relation to the armature, and a rheostat connected in series circuit relation with one of the field windings for regulating the flow of current therethrough.

2,071,840
ARRANGEMENT FOR CLOSING BOXES, PARTICULARLY IN LARGE GARAGES FOR MOTOR VEHICLES
Jean Keller, Basel, Switzerland
Application March 20, 1935, Serial No. 12,033
In Switzerland April 25, 1934
2 Claims. (Cl. 20—16)

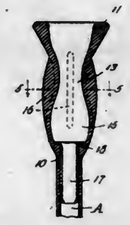


1. A door comprising two rigid uprights, a main wing hingedly mounted to each upright and adapted to swing approximately 180° thereon, a secondary wing swingingly connected to each main wing, the arrangement being such that in the closed position the said main wings and secondary wings take up a position corresponding to the non-parallel and one parallel side of a trapeze, and in the open position said main wings are swung outwardly and the secondary wings folded about said main wings.

2,071,841
COATING PROCESS
Alfred H. Kelling, Chicago, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 14, 1935, Serial No. 26,578
10 Claims. (Cl. 99—140)

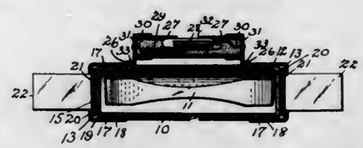
1. Process which comprises separately mixing anhydrous dextrose with two mutually reactive solid substances and moistening the mixture, in each case, to hydrate the dextrose and incorporate the reactive substances in the granules of the hydrated dextrose.

2,071,842
FAUCET CONNECTION
Benjamin H. Kennedy, Rochester, N. Y.
Application August 22, 1936, Serial No. 97,362
4 Claims. (Cl. 285—90)



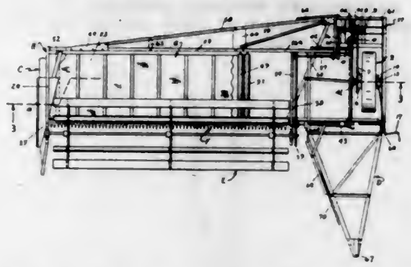
1. In a faucet connection, a flexible elastic hollow body having a reduced expansible portion providing a restricted throat adapted to grippingly engage over the end of a faucet and which portion is provided with longitudinally extending, outwardly projecting radially disposed ribs functioning to resiliently maintain the said portion in normally contracted condition and for tensioning the throat for effecting an inward contraction of the same about the end of the faucet, and an enlarged inner end portion merging with the reduced expansible portion, said inner end portion being expansible under pressure of the water flowing therethrough which expansion fulcrums the ribs about the faucet end so as to exert a contractile gripping action of the faucet engaging portion with the faucet.

2,071,843
FUSE
Isidor Korn, Newark, N. J., assignor of one-half to Theodore C. Hiller, Irvington, N. J.
Application November 15, 1934, Serial No. 753,104
Renewed July 25, 1936
4 Claims. (Cl. 200—121)



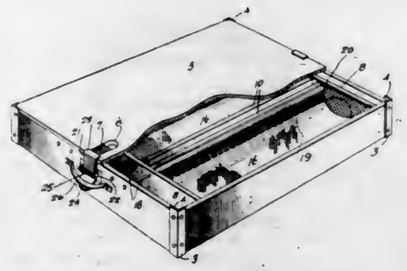
4. A fuse comprising a tubular casing, a fusible strip in the casing, a cap at each end of the casing and having means for receiving the ends of the fusible strip, the caps each having a tongue seated into a slot in the casing, the tongues having at their ends laterally arranged slots on their opposed faces, a visual electric signal element with terminals at the ends with feet to enter the slots of the tongues and wings to engage the sides of the tongues, and covers fitting over the caps and the ends of the casing, said caps, the casing and the covers having screw-threads for engagement whereby the covers engage the ends of the fusible strip which are turned over on the caps and said covers also force the ends of the tongues into holding engagement with the ends of the feet on the signal element.

2,071,844
WINDROW HARVESTER
Alfred Korsmo, Hopkins, and Martin Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application September 12, 1936, Serial No. 100,482
7 Claims. (Cl. 56—23)



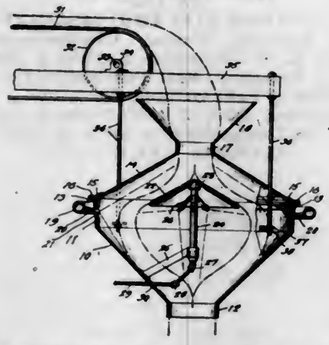
1. A windrow harvester comprising a main frame having a bottom opening for the passage of crop into a windrow and tiltably supported at one side on a bull wheel and at the other side on a second wheel, a draft member extending forwardly from the main frame, means associated with the draft member for tiltably adjusting the main frame on said wheels, a transversely extending cutter bar and reel carried by the front part of the main frame, a conveyor carried by the main frame rearwardly of the cutter bar and for discharging the cut crop laterally through said frame opening and onto the ground, and a series of truss members disposed rearwardly of the main frame proper and attached thereto to reinforce the same lengthwise in its transverse direction and to assist in counterbalancing the portion of the machine disposed in advance of the tilting axis, said tilting axis being in a vertical transverse plane extending approximately midway between the front and rear edges of the conveyor.

2,071,845
BREAD FORM
Waclaw Kowalski, Brooklyn, N. Y.
Application December 19, 1935, Serial No. 55,172
6 Claims. (Cl. 107—7)



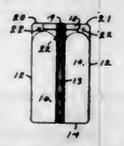
1. A bread form embodying a rectangular frame comprising four outer walls and having inner walls spaced from two of the outer walls, partitions rigid with and extending between the inner walls and forming compartments between said partitions and the walls of the frame, a fabric trough suspended within each compartment and extending for the full length of the compartment to receive dough for raising therein and into conformity with the pocket.

2,071,846
APPARATUS FOR SPRAYING MATERIAL
Charles P. Lamb and Isaac E. Schine, Bridgeport, Conn., assignors to Cilco Terminal Company, Inc., Bridgeport, Conn., a corporation of Connecticut
Application August 15, 1935, Serial No. 36,312
7 Claims. (Cl. 91—44)



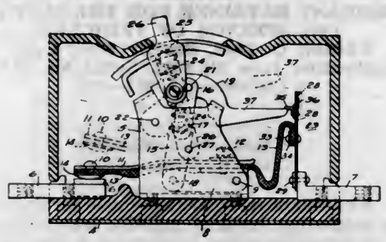
1. In a material spraying apparatus, a chamber having a contracted vertically disposed material inlet opening at one end through which comminuted material is adapted to flow by gravity into said chamber in a contracted substantially solid stream, and a material outlet opening at the other end in said chamber, a baffle plate in spaced and opposed relation to said inlet opening having its center axially aligned with said opening and its surface inclined from said center in the direction of flow of the material and adapted to evenly spread said material as it flows through said chamber and from which the material flows in a relatively thin encompassing wall surrounding a central space, and spraying means within said chamber and outwardly spaced from said encompassing wall of material adapted to direct spray upon said spread material as it flows through said chamber.

2,071,847
BOTTLE
Louis A. Leppke, Omaha, Nebr.
Application April 10, 1936, Serial No. 73,691
1 Claim. (Cl. 215—1)



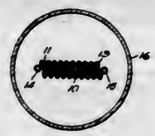
A bottle comprising a body, said body being sector shaped in cross-section having two sides corresponding to the radii of a circle and another side which corresponds to the arc of a circle subtended by the radii, a bottom, a short neck on the upper end of said body terminating in an opening, the center of said opening being in a central position relative to the respective corners of the arcuate side of the body, the rim of said opening being adjacent the radial sides of the body, and lugs on the neck the top sides of which are in substantially the same plane as the outer end of the neck, said lugs being disposed chordally of the arcuate side of the bottle and radially between the neck of the bottle and the radial center of the radial sides, the chordally disposed lugs having openings therein adjacent their outer ends for a carrying bail.

2,071,848
CIRCUIT BREAKER
Ture Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Original application November 26, 1930, Serial No. 498,408, now Patent No. 2,027,238, dated January 7, 1936. Divided and this application December 24, 1935, Serial No. 55,991
9 Claims. (Cl. 200—116)



7. In a circuit breaker, a movable contact member biased in the circuit-opening direction, a stationary electric contact engageable by the movable contact, an actuator movable when released to cause circuit-opening movement of the contact member, a thermostatic bimetallic strip rigidly mounted at one end and engaging the actuator at the other end so as to serve as a connecting latch adapted to release the actuator upon electrothermal deflection, a flexible conductor electrically connected with the strip at a point substantially spaced from the point of engagement with the actuator and serving to complete the circuit through a part of the strip, whereby the said strip is automatically deflected rapidly upon the attainment of an excessive overload condition therein and is automatically deflected very slowly upon the attainment of a moderate overload condition therein, and means for changing the position of the connection of the flexible conductor to the strip to change the rates of deflection under excessive and moderate overload conditions.

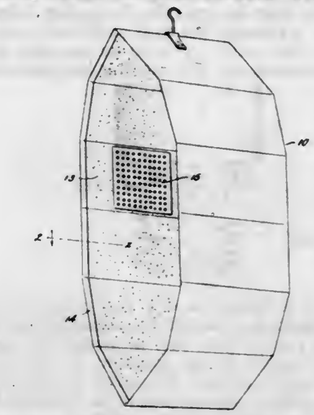
2,071,849
ELECTRICAL DISCHARGE DEVICE
Erwin F. Lowry, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 19, 1934, Serial No. 735,986
4 Claims. (Cl. 250—27.5)



1. A cathode adapted to emit electrons freely when heated comprising a deeply pleated sheet member of essentially a nickel-cobalt alloy containing ferro-titanium, and supports for said member only at its ends.

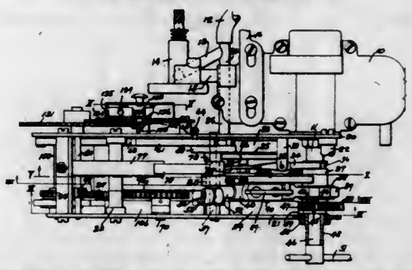
2,071,850
GARMENT STORAGE BAG
Elliot A. Miller, New York, N. Y.
Application March 18, 1935, Serial No. 11,555
2 Claims. (Cl. 206—7)

1. In a garment storage bag, a bag body composed of inner and outer plies of paper, said inner ply being pressure impregnated with an hydrogenated oil and formed with a coating



thereof on the inner exposed surface of said ply to render the body resistant to air and moisture.

2,071,851
WINDSHIELD WIPER
George T. Mustin, Memphis, Tenn.
Application February 10, 1936, Serial No. 63,057
9 Claims. (Cl. 60—7)

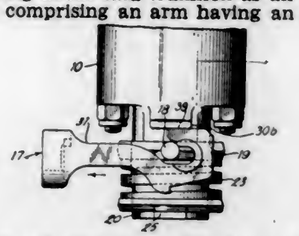


1. The combination with a shaft, vacuum actuated means for oscillating said shaft, an extension for said shaft and means actuated by said vacuum for operatively connecting said extension to said shaft; of auxiliary means for actuating said extension; said auxiliary means including a spring actuated motor, means for governing the speed of said motor, means actuated by oscillation of said shaft for winding said motor, means adapted to operably connect said motor and said shaft extension, means for disconnecting said shaft from said extension, and for connecting said motor to said extension, and means actuated by said vacuum for rendering said disconnecting means ineffective.

2,071,852
TOOL RETAINER
Gustave M. Nell and Alfred G. Slatcher, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application May 16, 1934, Serial No. 725,840
1 Claim. (Cl. 121—32)

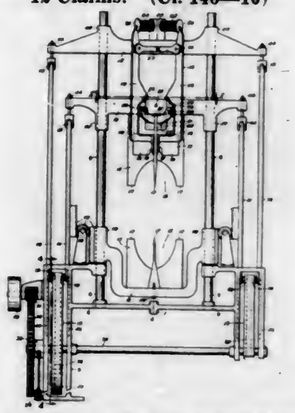
A rock drill comprising a front head, a socket mounted therein for receiving a drill steel, a laterally projecting shoulder on one side of the front head, said shoulder having a flat lower edge, a trunnion ring sleeved over the front head

and having a trunnion projecting therefrom and disposed below said shoulder, resilient means acting on said ring to urge the trunnion toward said shoulder, a retainer for said drill steel adapted to swing about said trunnion as an axis, said retainer comprising an arm having an open slot



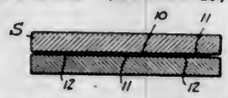
to receive the trunnion and a flat edge for engaging said shoulder during the assembly of the retainer, one edge of the slot adjacent the open end portion thereof being disposed at an acute angle with respect to said flat edge to cooperate therewith to form a wedge adapted to move the trunnion against said resilient means.

2,071,853
NUT HULLING MACHINE
Howard D. Randall and Walter F. Johnston, Cincinnati, Ohio, assignors to The Randall Company, Cincinnati, Ohio, a corporation of Ohio
Application May 18, 1934, Serial No. 726,326
12 Claims. (Cl. 146—10)



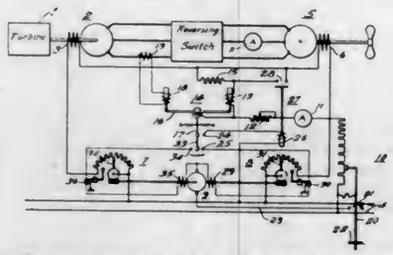
1. A nut hulling machine comprising in combination, a frame, a pair of relatively movable beams movable toward and from the frame, a guide means mounted upon the frame and associated with the beams for guiding the beams in their said movement, a group of radially disposed blades normally fixed relatively to one of the beams, a group of strippers pivoted upon the other beam, said strippers having heads lying normally between and against the radially disposed blades, a second group of blades supported in substantial alignment with the first group of blades, means for holding a nut in position to be operated upon by the blades, means including a driven cam and a connecting rod in parallelism with the aforesaid guide means, for moving the blade supporting beam and its blades toward the second mentioned blade group, means for moving the strippers and their supporting beam substantially in unison with the blade supporting beam through a portion of the beam travel, means for continuing the stripper beam travel upon completion of the advancement of the blade supporting beam, means operating during said continued movement of the stripper beam, for moving the strippers first along and then radially outwardly of the blades, and abutments carried by the strippers for applying force to the hull to completely sever it from the nut after the blades split the hull.

2,071,854
LUBRICANT RETAINER FOR THE SUPPORTING SPRINGS OF VEHICLES
Clifford O. Ross, Beverly Hills, Calif.
Application June 21, 1935, Serial No. 27,782
3 Claims. (Cl. 267—49)



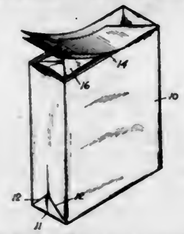
1. A lubricant retainer for vehicle springs of the type employing resilient metallic leaves disposed one on top of the other, comprising a plate of thin gage metal of greater hardness than the material of said leaves and adapted for flatwise insertion between a pair of said leaves, one side of the plate being more or less perfectly smooth and the other side having means thereon adapted to penetrate the material of one leaf of said pair to secure the plate in a position of relatively fixed application between said pair of leaves, with said smooth side of the plate in flat contact with the leaf which confronts it, the plate having one or more apertures passing therethrough from one side thereof to the other and adapted to contain lubricant and enable same to pass therefrom at the smooth side of the plate for distribution thereof to an adjacent surface of said confronting leaf, the aforestated penetrating means coacting with said aperture or apertures to provide a barrier upon the plate adapted to prevent escape of the lubricant from the opposite side of the plate, said retaining means including continuous sharp edged portions upstruck directly from said plate, around each of said openings, and having a solid bearing formed by directly opposite material of the plate at the smooth side thereof.

2,071,855
SHIP PROPULSION STABILITY CONTROL
Walter Schaelchlin, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1935, Serial No. 52,144
11 Claims. (Cl. 172—8)



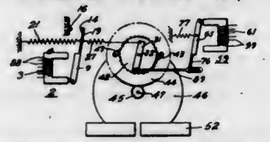
11. In an electric system, in combination, an instrument comprising a pivoted member, a coil for moving said member about its pivot in one direction, a second coil for moving said pivoted member about its pivot in another direction, a circuit energized in such a manner that the current flowing therein varies over a considerable range, means for energizing the first mentioned coil in response to the current variations in said circuit, a second circuit interconnected with the second coil, resilient means for holding the pivoted member in a given position when the ratio of the currents in the first and second coils is greater than unity by a small fraction of unity, and means operable by said pivoted member to vary the current in the second coil with variations of current in the first coil so that the ratio of the currents in the coils remains substantially constant.

2,071,856
PACKAGE
Hyman R. Segal, New York, N. Y.
Application March 10, 1934, Serial No. 714,898
6 Claims. (Cl. 206—56)



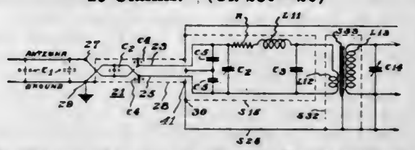
1. A package including an envelope comprising uninterrupted and connected flexible side walls, a base portion secured to the lower edges of such side walls, a container within such envelope, the adjacent outer faces of the former and the inner faces of the latter being smooth, whereby they slidably contact each other, such envelope defining between its upper edges space adequate for the projection of such container, the latter being projectable by exerting pressure inwardly against the outer faces of the side walls of the envelope to cause the inner faces thereof to flex inwardly and cam against the outer adjacent faces of such container, the base portion of the envelope having lines of fold whereby when the side walls of the envelope are flexed, the base portion thereof will move inwardly in a direction substantially parallel to the side walls of the envelope to contact the lower portion of the container and facilitate the projection thereof.

2,071,857
BROAD RANGE TIME LIMIT RELAY
Roy M. Smith, North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 13, 1931, Serial No. 568,627
7 Claims. (Cl. 200—97)



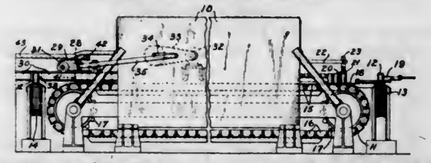
1. In an overcurrent relay, contact members, a timing device having a movable element operable with a displacement dependent upon time, a contact operating member movable toward a contact operating position and resiliently restrained by said element, current-responsive electromagnetic means for exerting an operating force dependent upon current upon said contact operating member, and biasing means tending to move said contact operating member toward said position and effective to accelerate operation of said contact members at low current values.

2,071,858
RADIO RECEIVING SYSTEM
Rogers M. Smith, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1934, Serial No. 759,629
19 Claims. (Cl. 250—20)



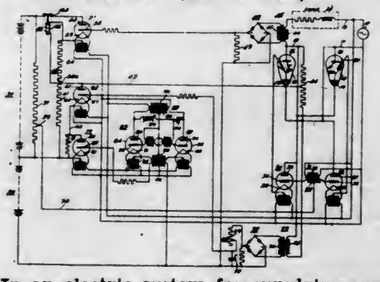
1. The combination with a radio receiving system on a motor driven vehicle of an input circuit tunable to select desired frequencies throughout a broad tuning range and including a transformer having a primary and a tunable secondary; a collector of signal energy; a filter of substantially fixed nature for suppressing ignition interference connected between said collector and said input circuit and comprising said primary, a condenser in shunt therewith, and an inductance coil in series between the primary-condenser combination and said collector; said filter in combination with said collector having a substantial response to signal energy within said range.

2,071,859
MAGNETIC TRANSFER DEVICE
Leo E. Steiner, Milwaukee, Wis.
Application March 16, 1936, Serial No. 69,034
17 Claims. (Cl. 198—32)



1. In combination, a conveyor for advancing metal containers in one direction, another conveyor for advancing containers in another direction, and magnetic means having opposed poles cooperable directly with the upper container surfaces for transferring containers from one of said conveyors to the other.

2,071,860
ELECTRICAL APPARATUS
Ralph N. Stoddard, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 27, 1933, Serial No. 677,832
17 Claims. (Cl. 175—294)



1. In an electric system for supplying current from a source of alternating current to a load,

in combination, circuit means connecting the current source to the load, vapor electric means interposed in the circuit means, control means connected to render the vapor electric means normally conducting to continually conduct current to the load, stop control means connected to render the first named control means ineffective to maintain the vapor electric means in the conducting state, start control means connected to render the first named control means effective to restore the vapor electric means to the continuous conducting state, and timing means connected to initiate the functioning of the start control means within a predetermined succeeding half cycle of the alternating current.

2,071,861

GIN SAW BLADE AND ITS MANUFACTURE

Raleigh H. Barnes, East Cleveland, and Carl L. Radway, Cuyahoga Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

No Drawing. Application January 21, 1935, Serial No. 2,836

6 Claims. (Cl. 148—12)

1. A gin saw blade made of cold-rolled steel and which is characterized by having a grain structure indicating that said steel was heated above its critical range after at least the majority of the cold rolling required to bring it to gage had been done.

2,071,862

METHOD OF PRODUCING A METAL NAPHTHENATE

Gerald M. Fisher, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application January 20, 1936, Serial No. 59,900

6 Claims. (Cl. 260—11)

1. The method of producing a naphthenate of a metal which comprises: comminuting an oxide of said metal to powdered form; dampening the grains of said powder with a liquid having solvent power for the naphthenates produced and being an inert wetting agent for said oxide, and mixing said dampened powder with liquid naphthenic acid.

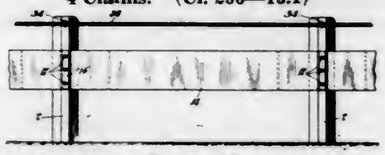
2,071,863

TRAFFIC GUARD

George A. Gleason, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application March 6, 1934, Serial No. 714,319

4 Claims. (Cl. 256—13.1)



1. A highway traffic guard comprising a plurality of spaced posts arranged along the edge of the highway, a vertically disposed resiliently compressible metallic sleeve supported by at least one of said posts, a flexible metallic strip of substantial width extending horizontally across the outer surface of said sleeve in spaced relation to said supporting post, a strip extending vertically across the outer surfaces of said flexible metallic strip, and connecting means extending through both of said strips.

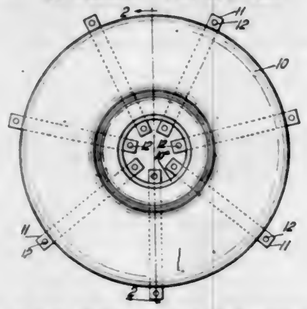
2,071,864

COLLAPSIBLE CORE AND METHOD OF MAKING AND USING THE SAME

William H. Myers, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application November 24, 1934, Serial No. 754,582

16 Claims. (Cl. 154—9.4)



1. In a tire building core, the combination of an annular structure of flexible rubber composition, and a plurality of spaced apart reinforcing elements of metal removably mounted therein and permitting flexure of the core as a whole in a direction transverse to its normal plane.

12. The method of making a collapsible core which comprises molding and vulcanizing an annular rubber structure having radially disposed inserts therein, which inserts project from the inner and outer periphery thereof, removing said inserts, cutting the structure spirally from one periphery to the other, and then inserting metal strips in the spaces originally occupied by said inserts.

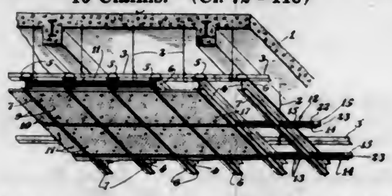
2,071,865

BUILDING WALL ASSEMBLY

Raymond V. Parsons, Tudor City, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application December 22, 1932, Serial No. 648,379

10 Claims. (Cl. 72—118)



6. A rigid supporting member for juxtaposed preformed panels in a structure of the class described, comprising a flanged portion, a panel-aligning element upstanding from one face thereof, and a strengthening web element extending from the other face of the flanged portion.

2,071,866

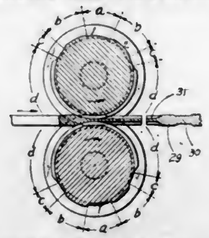
METHOD OF AND APPARATUS FOR DIE ROLLING

Thomas N. Sloan, Buffalo, N. Y., assignor to Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey

Application May 4, 1934, Serial No. 723,819

9 Claims. (Cl. 80—30)

4. The method of forming a string of substantially identical, irregularly shaped, forging blanks which includes the steps of passing a heated leader bar of substantially uniform cross-section axially between a pair of die rolls and, while so doing, reducing the vertical dimensions of the bar by varying amounts to form portions of large and small cross-sections with coincident tendency of



the metal to spread laterally, and confining the sides of the bar throughout the distance wherein said tendency exists, thereby preventing such lateral spread.

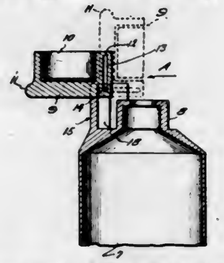
2,071,867

SELF RETAINING CLOSURE FOR COLLAPSIBLE TUBES

Rioe Tomita, Punnene, Maui, Hawaii

Application July 8, 1936, Serial No. 89,616

4 Claims. (Cl. 221—60)



1. In a structure of the class described, a collapsible container having a centrally disposed projecting discharge neck substantially cylindrical in cross sectional form, an integral adapted member mounted on the container in eccentric relation with respect to said neck, said adapter member extending beyond the discharge end of the neck and being provided with a retaining and fulcrum pin located beyond said discharge end, a cap including a rim portion fitting telescopically over said neck, said rim portion being provided with a slotted rib having slidable and pivotal connection with said pin, said slot constituting stop elements in conjunction with the pin so as to allow the cap to be lifted from closed position and bodily slid on the pin to occupy an out of the way open position.

2,071,868

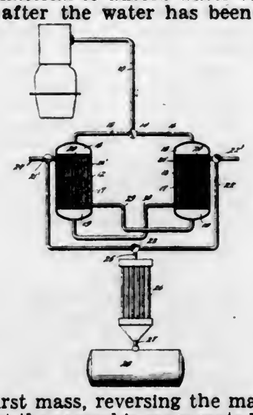
RECOVERY OF MOISTURE FOR USE ON LIGHTER-THAN-AIR AIRCRAFT

Kurt von Lüde, Berlin, Germany

Application April 21, 1934, Serial No. 721,830. Renewed June 18, 1935. In Germany June 7, 1932

3 Claims. (Cl. 183—4)

1. The process of recovering water to act as ballast from the exhaust gases of an internal combustion motor on aircraft, the steps of passing the hot exhaust gases in heat interchange relation with a mass of porous solid adsorbent material that has become charged with water from only the exhaust gases, condensing water from the highly concentrated water vapor gas mixture driven off from said mass, passing the cooled exhaust gases through another mass of porous solid adsorbent material to adsorb water vapor therefrom, and after the water has been driven off



from the first mass, reversing the masses in the cycle so that the second is regenerated by the hot gases and the first used to adsorb water vapor.

2,071,869

HAND SCOURING DEVICE

Marion M. Wilkins, Brookline, Mass.

Application July 18, 1936, Serial No. 91,296

2 Claims. (Cl. 15—209)



2. A hand scouring device comprising a hollow abrading pad open on one side, combined with a flexible glove member enclosing said open side, said glove member consisting of a plurality of separated flexible finger sheaths extending downward into the hollow of the pad and a downturned skirt forming a wall surrounding said sheaths, said wall having its edge secured to the edge of the pad and forming a bellows member above the open side of the pad permitting unrestrained movement of said finger sheaths within the hollow of the pad.

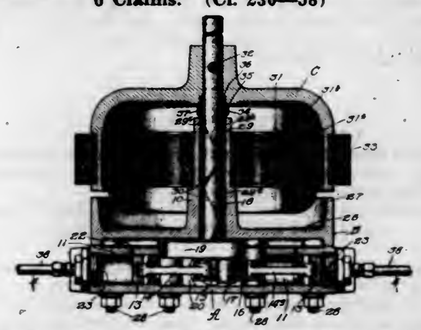
2,071,870

MOTOR COMPRESSOR UNIT

Earle W. Ballentine, Chicago, Ill., assignor to Solar Industries, Inc., Chicago, Ill., a corporation of Illinois

Application September 3, 1935, Serial No. 39,034

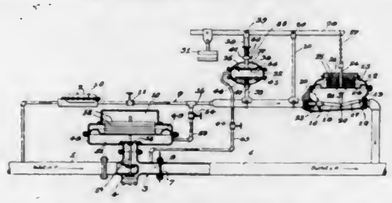
6 Claims. (Cl. 230—58)



1. A motor compressor unit, including in combination: a cup-shaped casting forming a cylin-

der block and crank-case with the upper side open; compression mechanism in said casting; a second casting fastened to the compressor casting and closing the open side of the crank-case, said second casting carrying a tubular bearing member; a shaft journaled in the tubular member of the second casting and provided with driving connections to the compressing mechanism; a motor stator carried on the tubular member of the second-mentioned casting and surrounding said tubular member; and a third casting secured to the shaft and provided with a motor rotor whereby the compressing mechanism is actuated.

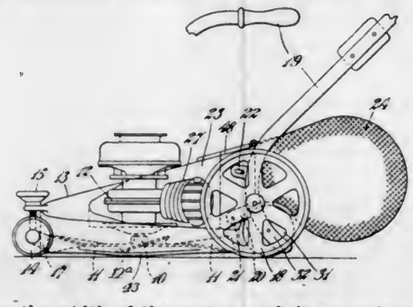
2,071,871
FLUID PRESSURE REGULATOR AND FLOW CONTROL DEVICE
Charles H. Cleveland, Detroit, Mich.
Application November 15, 1935, Serial No. 50,041
11 Claims. (Cl. 50—17)



1. In combination with a fluid pressure conduit including a high pressure line, a low pressure line, and a master regulator interposed between the two, of means in the low pressure line for restricting the volume of flow so as to create an intermediate pressure, a by-pass pipe for leading fluid from the high pressure line to the low pressure line and having means for controlling said master regulator, a pilot regulator for controlling the flow of fluid through the by-pass pipe and responsive to pressure existing in the low pressure line, said pilot regulator being weighted for maximum pressure required in said low pressure line, and auxiliary loading means having a flexible connection with said pilot regulator and including means responsive to said intermediate pressure, whereby any increase or decrease of said intermediate pressure will act through said auxiliary loading means and said pilot regulator to cause a proportional increase or decrease of pressure in said low pressure line, said auxiliary loading means also including a weight mass for counterbalancing said pilot regulator, whereby when said intermediate pressure acting on said auxiliary loading means exceeds a predetermined pressure, the flexible connection will become slack, thereby preventing further action of said intermediate pressure on said pilot regulator.

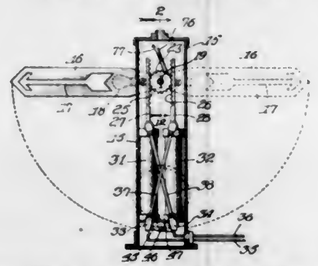
2,071,872
GRASS CUTTING MACHINE
David Hamilton Cockburn, Iver, England, assignor of one-half to Power Specialties Limited, Maidenhead, England
Application October 22, 1934, Serial No. 749,466
In Great Britain October 24, 1933
5 Claims. (Cl. 56—25)

1. A grass cutting machine comprising a substantially circular open bottomed casing, a vertical spindle passing through said casing, driving means at the upper end of the spindle, a bladed impeller and cutter on the lower end of said spindle, a guiding handle attached to the casing, vertically adjustable rotatable supporting means in front of the casing and rotatable supporting means behind said casing, the front and rear supporting means being not greater in width



than the width of the casing, and shoes projecting downwardly from the sides of the casing intermediately of the front and rear thereof for preventing the cutter from impinging against bumps and ridges in the surface of the ground.

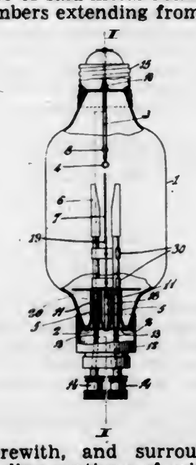
2,071,873
SIGNALING APPARATUS
Louis E. Dierks and Charles E. Severson, Oak Park, Ill.
Application January 2, 1935, Serial No. 158
12 Claims. (Cl. 116—39)



1. Signaling means comprising a signaling device movable into different positions and automatically returnable to normal position, piston and cylinder mechanism for controlling the position of said device, means for actuating said mechanism and relief means embodied in said mechanism for automatically equalizing the pressure in said mechanism upon discontinuing the application of driving power thereto thereby to permit said signaling device and said mechanism to return to normal position.

2,071,874
ELECTRIC DISCHARGE TUBE OR INCANDESCENT LAMP
Pieter Wilhelm Dobben, The Hague, and Johannes Visser, Amsterdam, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken
Application March 2, 1933, Serial No. 659,382
In Germany March 12, 1932
5 Claims. (Cl. 250—27.5)

1. An electrical device comprising a sealed envelope having a glass portion and an electrode therein, a plurality of metal members sealed to said glass portion, metallic conductors connected to said metal members and extending both outwardly and inwardly to form electric connections for said electrode, a glass layer covering part of the inner face of said metal members, and tubular glass members extending from said layer and

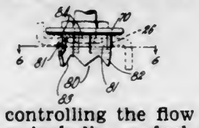


integral therewith, and surrounding the inwardly-extending portions of said conductors.

2,071,875
COMPOSITION OF MATTER
Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 11, 1933, Serial No. 697,694
8 Claims. (Cl. 167—65)

1. A micro-organism devitalizing composition of matter containing as the active ingredient thereof a compound from the class consisting of a meta-trifluoromethyl-phenyl-azo - meta-phenylenediamine and the acid addition salts thereof.

2,071,876
FLUID FUEL BURNER CONTROL
William S. Gordon, Jr., North Tonawanda, N. Y., assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y.
Application August 4, 1934, Serial No. 738,553
2 Claims. (Cl. 251—34)



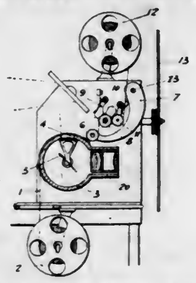
2. Means for controlling the flow of fuel to a fluid fuel burner, including a fuel supply valve which is adapted to pass fuel to the burner and comprising a seat surrounding the valve opening, a valve member having a substantially flat disk arranged to cooperate with said seat to effect a closing of said valve, and a skirt extending below said disk through said seat into said valve opening, said skirt having the portion thereof adjacent to said disk provided with parts spaced from said seat to provide a free flow of gas immediately upon the movement of said disk away from said seat, and a portion arranged at a greater distance from said disk and which is adapted to approach more closely to the sides of said valve opening to restrict the flow of gas, and which is provided with deformations at a greater distance from said disk than said latter portion through which fuel may flow in accordance with the distance of said disk from said seat, whereby an initial large flow of fuel is provided on first opening said valve and a restricted flow of fuel after the initial opening movement of said valve.

2,071,877
NONREFILLABLE BOTTLE
Jefferson D. Harris, Washington, D. C., assignor of one-half to Angelo B. Bovello, Washington, D. C.
Application December 13, 1935, Serial No. 54,344
3 Claims. (Cl. 215—24)



1. A non-refillable device for bottle necks comprising a shield casing having a liquid discharge opening and an air vent, a valve casing fitted within said shield casing, the valve casing having a liquid discharge bore, a flap valve normally closing the outer end of said bore, said valve having an outturned flange, the flange being slotted, said valve casing having a slot communicating with the slot formed in said flange, a resilient hinge fitted in said slots for resiliently anchoring said valve in a hinging position relative to said valve casing, said valve casing having an inset shoulder below the outer end of said bore, and said resilient hinge having its bend on a plane with said shoulder and below the outer end of said bore whereby said valve will be bodily moved away from the outer end of said bore when said valve swings to an open position.

2,071,878
CINEMATOGRAPHIC APPARATUS
Marcel Remy Huc, Courbevoie, France
Application October 18, 1933, Serial No. 694,153
In France October 24, 1932
14 Claims. (Cl. 88—16.8)

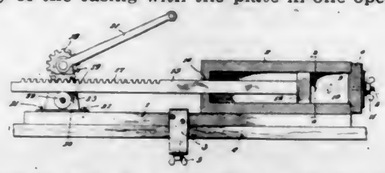


1. In apparatuses wherein a cinematographic film is continuously fed, a device for avoiding the blurring produced by the jerks of the film due to the contraction thereof comprising a driving drum disposed for drawing the film, means for engaging the film on said drum in such a manner that said engagement is made only once during a displacement of the film equal to the length of one picture, a shutter adapted to cut off the luminous beam illuminating the film and means for controlling the motion of said drum in accordance with that of said shutter in such a manner that the film comes into engagement with the driving drum within the period of time required for cutting off the luminous beam.

2,071,879
MIXER
Arnet Theodore Jolma, St. Helens, Oreg.
Application November 18, 1935, Serial No. 50,441
2 Claims. (Cl. 259—113)

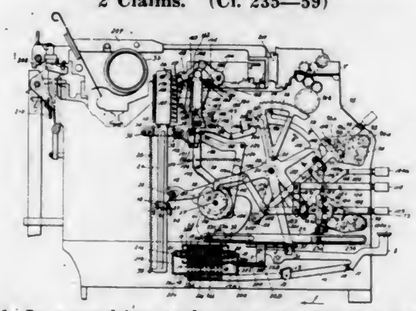
1. A mixing device comprising an elongated

casing, a piston slidable longitudinally in said casing and having a piston rod extending through one end of the casing, said piston having openings formed therein whereby material in the casing may pass through the piston as the piston moves longitudinally in the casing during a mixing operation, plates pivotally mounted in the openings of the piston and extending longitudinally of the casing with the plate in one opening



having its free end extending longitudinally of the casing in an opposite direction to the free end of the plate in a second opening, the free end portions of the plates being provided with cam surfaces whereby as the piston moves longitudinally one of the plates will be moved transversely into position to retard movement of material through an opening of the piston, and means for imparting reciprocating movement to the piston rod and piston.

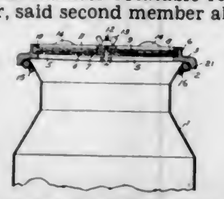
2,071,880
PRINTING ADDING MACHINE
Hugo Kämmel, Zella-Mehlis II, Germany, assignor to Mercedes Buromaschinen-Werke Aktiengesellschaft, Benshausen, Germany
Application June 28, 1932, Serial No. 619,769
In Germany March 14, 1931
2 Claims. (Cl. 235—59)



1. In a machine of the class described, a totalizer including two sets of gears for operating said totalizer for addition and subtraction, respectively, means for operating the totalizer including a series of toothed actuators, and a drive shaft, said totalizer being mounted to swing in opposite directions respectively, to effect engagement of one or the other of said sets of gears with said actuators, and add-subtract control mechanism comprising a lever adapted to swing said totalizer in either direction and settable to predetermine the direction in which said totalizer shall be swung, a cam on said drive shaft, an operating connection between said cam and lever, and manually manipulative means for setting said lever.

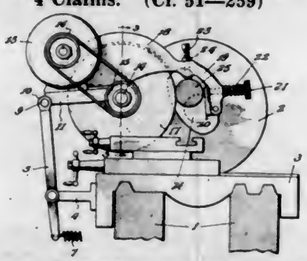
2,071,881
RECEPTACLE COVER
Agnes B. Krause and Paul J. Krause, Milwaukee, Wis.
Application December 9, 1932, Serial No. 646,508
2 Claims. (Cl. 220—44)

1. An aerating cover for a milk can, comprising: a first relatively rigid member constructed and arranged to overlie the mouth of a milk can, said member being provided with a plurality of relatively large openings therethrough; a second relatively rigid member opposed to said first member, and means mounting said second member from said first member rotatable relative to said first member, said second member also being pro-



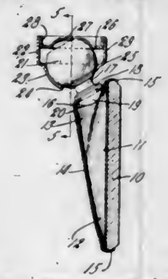
vided with a plurality of relatively large openings therethrough; and a fine-mesh dust-excluding screen interposed between said members, said members serving to support and protect said screen; the openings in said members being so constructed and arranged to provide passageway through said screen in every relative rotative position of said members.

2,071,882
GRINDING MACHINE
Henry A. Kremer, Gulfport, Miss.
Application July 16, 1934, Serial No. 735,477
4 Claims. (Cl. 51—259)



4. In a grinding machine, a grinding disk, supporting means therefor, a hood on said supporting means and adapted to extend over the disk, said hood being provided with an arm extending therefrom radially and being adapted to extend about a shaft associated with the disk, and means extending through the arm and adapted for engagement of work to be ground at spaced points about said work.

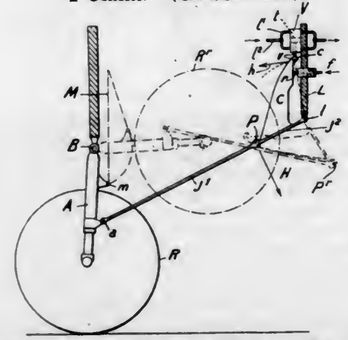
2,071,883
REAR VIEW MIRROR
William La Hodny, Buffalo, N. Y.
Application December 4, 1933, Serial No. 700,806
8 Claims. (Cl. 88—98)



1. A rear view mirror or the like, comprising a mirror plate, a sheet metal backing member

covering one face of said plate and at its edges spun over the peripheral edge of the plate for attachment to said plate, a boss drawn outwardly on said member, a relatively stiff reinforcing plate fitting closely face to face against approximately the entire inner face of said member which is between the edges of said mirror plate and including said boss, and a stud passing through and non-detachably clamping together said member and reinforcing plate at the boss, and projecting outwardly therefrom.

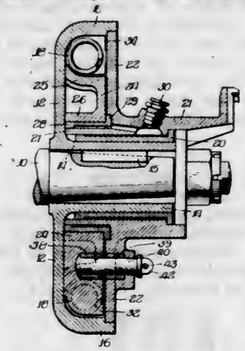
2,071,884
RETRACTABLE LANDING GEAR FOR AEROPLANES
René Lucien Lévy, Montrouge, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland
Application August 8, 1934, Serial No. 739,044
In France May 24, 1934
1 Claim. (Cl. 244—102)



A retractable landing gear for aeroplanes, comprising at least one prop constituted by two elements moved to extended position and which can be folded for the raising operation, a driving system used for raising, and eventually, lowering the gear, an auxiliary attaching arm rigid, on each prop, with one of the foldable elements, an attaching point on this auxiliary arm, a locking member coming opposite this attaching point when the prop is in extended position, a position of the attaching point on the auxiliary arm and a position of the locking member such that the component of the stresses, according to the line of action of the locking member, is as small as possible, a spring push-piece acting on the auxiliary arm for causing the prop to open at the moment the said arm is unlocked.

2,071,885
SHOCK ABSORBER
Otto L. Lewis and John P. Wright, Chicago, Ill., assignors, by mesne assignments, to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application June 19, 1935, Serial No. 27,336
3 Claims. (Cl. 64—27)

1. In a shock absorber for under car drives, a driven shaft terminating in a hub, a drive shaft rotatably mounted over said hub, a cushion housing attached to said driven shaft and a cushion fitting attached to said drive shaft forming an outer housing around said shaft, cushion lugs extending into said housing from said cushion housing, a driving ring within said housing and having lugs extending into said housing between said first named lugs, spring means arranged between said lugs, said driving ring being spaced from said drive shaft and its cushion fitting by an annular substantially L-shaped bearing member, and shearable means attaching said driving ring to said cushion fitting, said shearing member per-



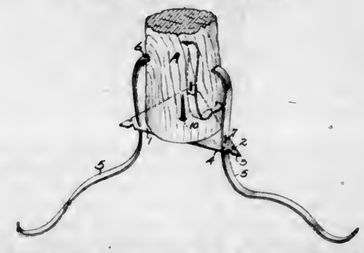
mitting freedom of relative motion between said driving ring and said drive shaft without the generation of undue heat upon the rupture of said shearable means.

2,071,886
HAIR WAVING DEVICE
Wilbur S. Lewis, Cleveland, Ohio, assignor to Noma, Inc., a corporation of Ohio
Application August 14, 1936, Serial No. 96,104
8 Claims. (Cl. 132—36.2)



1. A hair waving device of the character described comprising a metallic outer shell, a chemical heating pad, and a perforated retainer element, said pad and element being arranged in said shell with the pad intermediate the other two parts, and means on said shell for retaining said shell, pad and element against relative displacement in any direction.

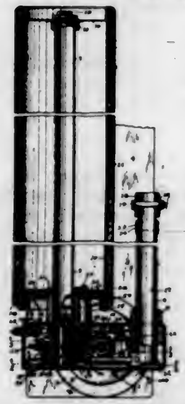
2,071,887
STAND
Frank A. Malin and Leo Domine, Detroit, Mich.; said Malin assignor to said Domine
Application July 11, 1934, Serial No. 734,596
Renewed July 16, 1936
2 Claims. (Cl. 248—47)



1. A stand comprising a flat-multi-sided base having opposed pairs of slots with narrow necks between them formed therein from its opposite margins adjacent each corner, in combination with legs each having a longitudinal slot formed therein intermediately of its length so that when each leg is placed parallel with the base one corner

of the latter may be inserted through each leg slot until the inner side of the leg is engaged by the inner side of the base slot, the legs being then moved at right angles to the base so that the necks between the pairs of opposed base slots extend through the leg slots, and the outwardly projecting corners of the base extend beyond the slots to prevent detachment of the legs, said legs having inturned upper extremities to engage an article resting upon the base, and outwardly extending lower extremities to rest upon the ground.

2,071,888
IRONING MACHINE
John J. McCabe, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 6, 1933, Serial No. 664,766
21 Claims. (Cl. 38—61)

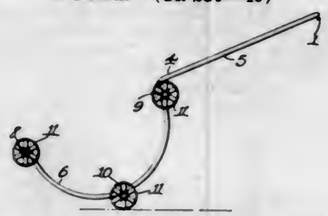


1. An ironing machine comprising, a padded member and a heated member, movable one towards and away from the other, means comprising a motor for effecting such movement, said motor having a cap on one end, support means for said members carried by said motor cap, and a supporting base for said ironing machine secured to the bottom of said motor.

7. An ironing machine comprising, in combination, cooperating ironing members including a rotatable padded roll and a heated shoe, support means for said members, and power means for rotating said roll member and for bodily moving one of said ironing members with respect to the other for bringing said members into their operative and inoperative ironing positions respectively, said power means comprising a coaxially mounted internal ring gear and pinion, the ring gear being carried internally of said roll and secured to rotate therewith and the pinion being carried externally of the roll, and shaft and gear means for connecting said pinion to said ring gear.

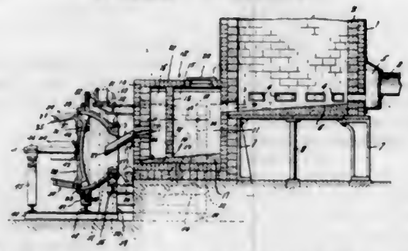
16. An ironing machine comprising, in combination, cooperating ironing members including a padded rotatable roll and a heated shoe, support means for said ironing members comprising resilient means to provide for yielding pressing engagement between said members, and power means to rotate the roll and to bodily move one of said ironing members into contact with the other for bringing said members into an operative or an inoperative ironing position respectively, the intermediate portion of said shoe being secured to said resilient means against tilting movements of the shoe along the roll axis with respect to its point of securement to said resilient means as occasioned in ironing articles whose thickness varies at different points along the length of the roll whereby the shoe can strain said resilient means and move angularly of its length so as to accommodate itself to varying thicknesses of material ironed at one or the other of the opposite ends thereof without appreciably increasing the ironing pressure at such point.

2,071,889
DRUM ROLLING DEVICE
James D. McGlynn, Royal Oak, Mich.
Application October 6, 1936, Serial No. 104,296
1 Claim. (Cl. 280—49)



A drum roller comprising a loop-shaped frame which is of rigid construction throughout, the frame including parallel transverse front and rear bars and parallel longitudinal side pieces connecting the front and rear bars, portions of the side pieces, and the rear bar, forming a U-shaped handle whereof the rear bar is a hand grip, other portions of the side pieces being curved to form a saddle conforming to the cross section of the drum to be rolled, a front axle located closely adjacent to the front bar, a rear axle located closely adjacent to the handle, an intermediate axle disposed between the front axle and the rear axle, wheels journaled on the axles, and means for attaching all of the axles firmly to said other curved portions of the side pieces, but for adjustment longitudinally of said other curved portions, whereby an operator can locate the wheels of the front axle and the wheels of the rear axle one hundred and eighty degrees apart, and locate the wheels of the intermediate axle midway between the wheels of the front and rear axles, the axles constituting reenforcing cross ties for the saddle.

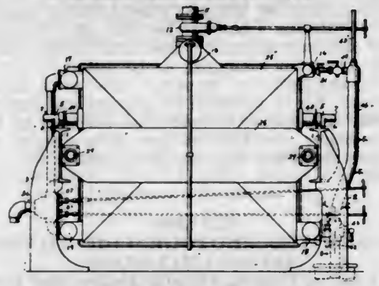
2,071,890
FOREHEARTH
Henry E. McWane, Lynchburg, Va.
Application January 23, 1934, Serial No. 707,950
4 Claims. (Cl. 266—40)



4. In a forehearth construction, in combination, a main reservoir, a baffle wall, a second reservoir, a passageway in the baffle wall below the normal level of the molten metal through which the reservoirs are in communication, a plurality of egress ports located in said second

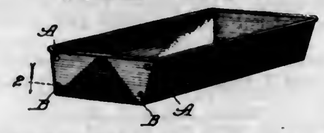
reservoir whereby a plurality of streams of metal free from dross can be simultaneously discharged from the forehearth, and an opening in the top of the main reservoir through which the dross may be removed.

2,071,891
FILTER
Paul Meura, Tournai, Belgium
Application November 20, 1933, Serial No. 698,869
8 Claims. (Cl. 210—188)



1. A filter having a filtering chamber provided with ends and a series of hollow frames and grate frames alternately arranged, said ends and frames enclosing the chamber, filtering means enveloping the grate frames, means for delivering mash into the hollow frames from above, said filter having an upper water channel connected into the upper ends of some of the grate frames, the lower ends of the grate frames having controlled outlets, there being a lower channel into which the outlets are connected, an upstanding siphon pipe having an upleg and a downleg with the former of which said channel is connected, the upper end of said lower siphon pipe having a vent and having a valve controlled connection with the upper water channel and a valve controlling the connection between the siphon and lower channel.

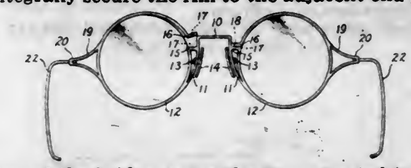
2,071,892
BAKEPAN
Clark M. Moore, Evanston, Ill., assignor to Diversey Corporation, Chicago, Ill., a corporation of Illinois
Application March 25, 1936, Serial No. 70,840
5 Claims. (Cl. 53—6)



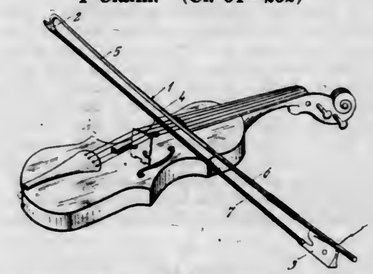
1. A sheet metal baking pan having folded outer flaps at the corners, in which the flaps are provided with a vent hole positioned and of a size adapted substantially to prevent accumulation of carbonaceous material in the flaps.

2,071,893
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, a corporation of Maine
Original application April 17, 1930, Serial No. 444,959. Divided and this application May 12, 1934, Serial No. 725,297
2 Claims. (Cl. 88—47)

1. In an eyeglass, a bridge having downwardly extending and outwardly inclined end portions, a split lens rim having end pieces, one of which is integrally secured to an end portion of the bridge at a point above its end and means to further integrally secure the rim to the adjacent end portion of the bridge, a guard arm connected to the bridge between its points of connection to the lens rim, and means to detachably connect the end pieces together.

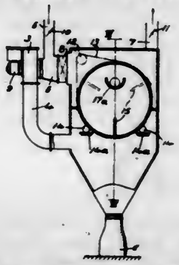


2,071,894
BOW FOR STRINGED INSTRUMENTS
Paul Nürnberger, Markneukirchen, Germany, assignor to Emil Herrmann, Berlin, Germany
Application December 18, 1934, Serial No. 758,101
In Germany August 8, 1933
1 Claim. (Cl. 84—282)



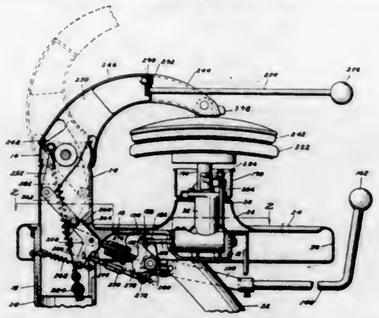
In a bow for stringed instruments, a stick, hairs connected thereto, said stick having the major portion thereof of substantially elliptical contour in cross section, said major portion having its major axis forming an acute angle to the plane containing the hairs of the bow.

2,071,895
METHOD OF AND APPARATUS FOR CLEANING PINE AND FIR CONES AND THE LIKE
Gustav Valdemar Öholm, Nockeby, Sweden, assignor to Aktiebolaget Svenska Flaktfabriken, Stockholm, Sweden
Application July 3, 1934, Serial No. 733,680
7 Claims. (Cl. 209—2)



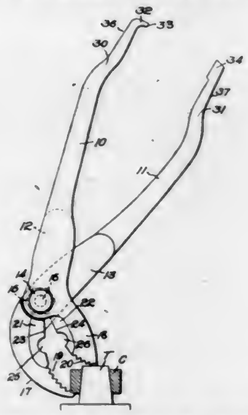
1. A method for extracting seed from pine and fir cones and the like, consisting in simultaneously subjecting the cones in a charge to a hot gaseous fluid and turning them and causing them to fall promiscuously in the charge by revolving the charge and in removing the seed from the hot fluid successively as the seed is released from the cones.

2,071,896
IRONING MACHINE
Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 28, 1934, Serial No. 728,017
12 Claims. (Cl. 38—25)



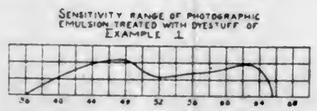
1. An ironing machine comprising relatively movable ironing elements, means supporting one of the elements for movement into and from operative position, means for locking this element in operative position, hydraulic means supporting the other element including a column of fluid displaceable upon movement of the first-mentioned element into operative position, means imposing an initial pressure on the fluid, means balancing the initial pressure on the fluid and means for actuating the hydraulic means to create an ironing pressure between the elements.

2,071,897
COMBINATION BATTERY TOOL
Frederick F. Pazzano, Waltham, Mass.
Application March 15, 1935, Serial No. 11,254
2 Claims. (Cl. 29—85)

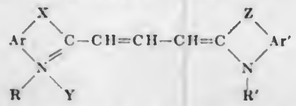


1. In a storage battery tool having a pair of pivoted levers of which corresponding ends are formed as handle members and crossed portions of which levers each provide a transverse positioning seat and pivot mounting for the other lever, the ends of the levers opposite the handle members having laterally projecting jaws, at the same side of said pivot mounting, one jaw being shorter than the other, the provision in such tool of a wedge-like clip-spreader element on each jaw between the pivot mounting and the outer end portion of the jaw, said spreader elements being of substantial extent lengthwise of their jaws and having their bases approximately the full width of the jaws and being located to confront each other with their narrower leading edge portions in opposing alignment and in non-interfering relation to the other portions of the jaws, each of said spreader elements having at its leading edge portion a transverse arcuate recess, said recesses lying opposite each other in the closing position of the jaws to provide together a bolt-clearance passage between the spreader elements whereby the latter may be brought substantially together while straddling a bolt or the like, and the longer jaw of the pair being so constructed with relation to the spreader elements as to adapt it for insertion through the terminal hole of a battery terminal clip in position to present its spreader element in opposed cooperative relation to that of the other and shorter jaw then outside and centrally between the clip parts which are to be spread.

2,071,898
SENSITIZED PHOTOGRAPHIC SILVER HALIDE EMULSIONS
Henry Alfred Piggott, Cheadle Hulme, and Ernest Harry Rodd, Brooklands, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application May 28, 1931, Serial No. 540,810
Renewed June 26, 1936. In Great Britain May 31, 1930
9 Claims. (Cl. 95—7)

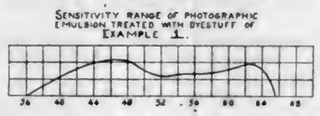


3. Gelatino-silver halide photographic emulsions containing an unsymmetrical polymethine dyestuff of the general formula:

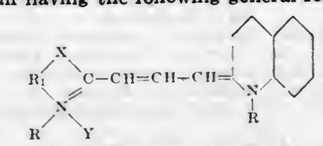


wherein X represents a member of the group consisting of the oxygen group of elements and dialkyl methylene; Z represents a member of the group consisting of the oxygen group of elements, dialkyl methylene and vinylene and is different from X, Ar and Ar' represent aryl radicals of the benzene series, R and R' represent alkyl radicals, and Y represents the negative radical of an acid.

2,071,899
SENSITIZED PHOTOGRAPHIC FILM, PLATE, AND EMULSION
Henry Alfred Piggott, Cheadle Hulme, and Ernest Harry Rodd, Brooklands, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application December 4, 1935, Serial No. 52,916
In Great Britain May 31, 1930
2 Claims. (Cl. 95—7)

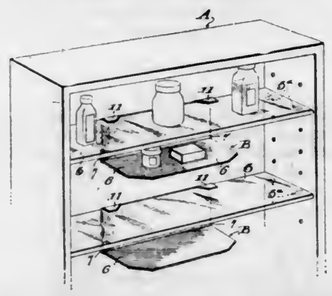


1. Photographic gelatino-silver halide emulsions containing an unsymmetrical polymethine dyestuff having the following general formula:



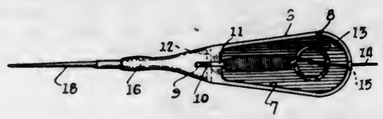
in which X represents a member of the oxygen group of elements or dialkyl methylene, R_1 represents an aryl radical of the benzene series, R represents an alkyl radical, and Y represents the negative radical of an acid.

2,071,900
AUXILIARY SHELF FOR BATHROOM CABINETS
Richard H. Procter, Teaneck, N. J.
Application June 10, 1936, Serial No. 84,576
1 Claim. (Cl. 211—153)



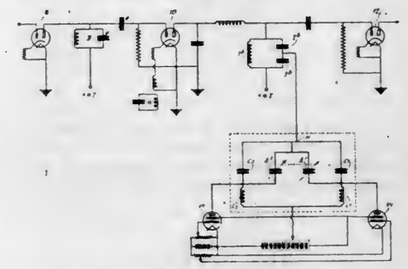
An auxiliary shelf for cabinets consisting of a single blank of sheet metal shaped to form a hanger arm, a forwardly extending auxiliary shelf and forwardly extending supporting flange equipment for overlying a main shelf of a cabinet, the auxiliary shelf, the supporting flange equipment and the hanger arm being arranged in three planes only with the supporting flange equipment and the auxiliary shelf extending at right angles to the hanger arm, and the auxiliary shelf extending rearwardly to the hanger arm whereby supporting space is provided throughout the entire area of the auxiliary shelf from the front edge thereof to the hanger arm.

2,071,901
SHOEMAKER'S STITCHING AWL
James R. Ricketts, Oakland, Calif.
Application January 11, 1935, Serial No. 1,391
2 Claims. (Cl. 223—104)



1. In a device of the class described, means for producing a lock stitch in shoes, comprising a handle section having a recess formed therein, a pivoted bobbin arranged to swing into and out of said recess, and a hooked needle arranged in one end of said handle and adapted to produce the looped section of said lock stitch.

2,071,902
TUNABLE SELECTOR CIRCUITS
Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application June 26, 1933, Serial No. 677,617
In Great Britain July 14, 1932
14 Claims. (Cl. 178—44)



2. In combination with a resonant circuit tuned to a desired carrier frequency, a frequency selective network of the band pass type, comprising at least two branch circuits, each including an inductor and a capacity element, one of said branch circuits being tuned slightly below the desired frequency and the other branch circuit being tuned slightly above the desired frequency, a negative resistance means connected to said branch circuits for reducing the damping of the selective network whereby a predetermined selectivity characteristic is imparted to the resonant circuit, the inductor and pacity element in each branch circuit being in series and said resistance means including at least one screen grid tube connected to operate in dynatron fashion.

2,071,903
INERTIA OPERATED DEVICE
John J. Shively, New York, N. Y.
Application December 28, 1935, Serial No. 56,478
9 Claims. (Cl. 280—150)

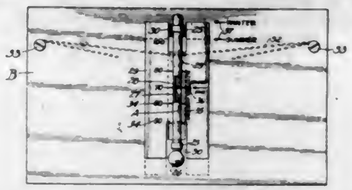


2. In a device adapted to be used on a moving vehicle, in combination, a support attached to said vehicle, a restraining element adapted to engage a passenger in said vehicle, means to lock said element to said support when said vehicle is decelerated, and automatic means to normally disable said locking means.

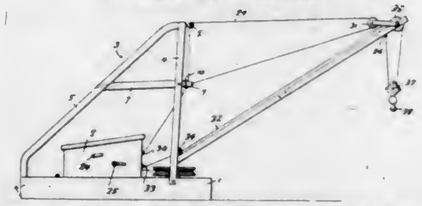
2,071,904
DIRECT READING COMFORTABLE TEMPERATURE INDICATOR
Wilfred Shurtleff, Moline, Ill., assignor to The Herman Nelson Corporation, Moline, Ill., a corporation of Illinois
Original application December 29, 1930, Serial No. 505,294. Divided and this application June 3, 1935, Serial No. 24,598
4 Claims. (Cl. 73—24)

1. In an indicating instrument of the character described, the combination of a fixed dry bulb thermometer, a humidity responsive device hav-

ing strands of hair secured to spaced members so as to be movable by contraction and expansion in response to humidity variations, and a movable scale suspended on said strands of hair and positioned in juxtaposition to the movable means of said temperature responsive device for indicating the resultant of the relative movement of said scale and temperature responsive movable means.

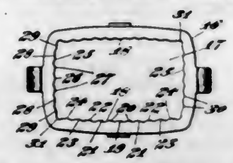


2,071,905
TOY DERRICK
Thomas A. Smith, Bradley Beach, N. J.
Application March 30, 1936, Serial No. 71,749
1 Claim. (Cl. 212—66)



A toy of the class described comprising a base, a horizontal pulley rotatably mounted on said base, a boom mounted for swinging movement in a vertical plane on said pulley, a bucket suspended from the free end portion of said boom, another pulley mounted for rotation in a horizontal plane on the base, a drive belt connecting the first named pulley to the second named pulley for actuation thereby, said belt being attached at an intermediate portion to one of the pulleys and attached at its ends to the other pulley, a gear on the upper surface of the second-named pulley, a crank, and a pinion connecting the crank to the gear for operating said second-hand pulley.

2,071,906
INGOT MOLD
Richard H. Stevens, Baltimore, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application February 7, 1935, Serial No. 5,348
4 Claims. (Cl. 22—139)

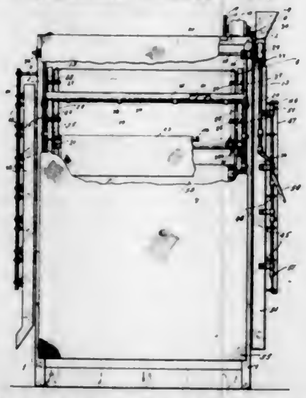


1. A metallic ingot mold with a chamber therein having side walls and end walls, said side walls comprising a plurality of corrugations which decrease successively in pitch from the ends of said side walls towards the center thereof, said corrugations comprising straight portions and arcute portions.

2,071,907
PREPARATION OF POLYMERS IN SHEET OR BLOCK FORM
Harold James Tattersall, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 15, 1935, Serial No. 1,977. In Great Britain February 12, 1934
4 Claims. (Cl. 18—58)

1. Process of preparing a sheet or block of polymerized material which comprises heating monomeric methyl methacrylate together with a polymerizing catalyst therefor to form a syrup of partially polymerized ester, pouring a layer of said syrup on a plate provided with means to confine the syrup within a desired area, superposing on said layer of syrup a second plate adapted to exert continuous pressure on said layer, allowing the sandwich of plates and interposed material to stand at room temperature until the syrup has been converted into a substantially solid body through polymerization, heating said sandwich until polymerization of the ester is substantially complete, and removing the plates from the body of polymerized ester thus formed.

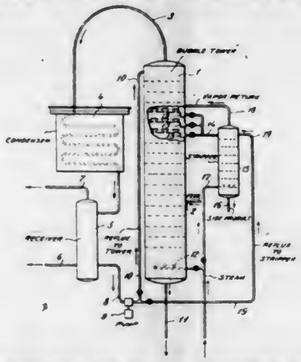
2,071,908
GRAIN AND SEED SEPARATOR
William A. Van Dyke, Forest Grove, Oreg.
Application July 22, 1935, Serial No. 32,573
3 Claims. (Cl. 209—114)



1. In a separating machine of the class specified, an apron, a tubular member mounted thereabove, a supply chute connected at one open end thereof, an overflow chute connected at the other end thereof, a spiral conveyor operating therein, the bottom of said tubular member being provided with a number of large and small alternating apertures, and a slide in conjunction with said tubular member provided with apertures slidable into register with the large or small apertures in the tubular member.

2,071,909
METHOD OF FRACTIONAL DISTILLATION
Ellsworth Watt, Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application August 17, 1935, Serial No. 36,624
3 Claims. (Cl. 196—94)

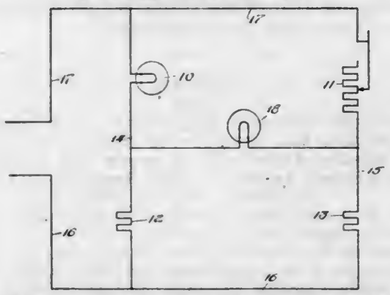
1. The method of fractional distillation capable of controlling the distillation range of a side stream product from a fractionating tower which comprises the steps of withdrawing side stream of desired end point from a fractionating tower, introducing that stream into a side stream stripping tower, introducing into the feed level of the same side stream stripping tower a portion of condensed overhead product from the main fractionator and steam distilling the combined liquids in said side stream stripping tower, the proportions of side stream withdrawn, of condensed overhead fed to the stripping tower, and the amount of steam fed thereto, being adjusted with respect to each other to produce as a side stream product a fraction having an end point substantially the same as that of the side stream originally withdrawn and a distillation range with respect to lighter proportions intermediate that of the side stream originally withdrawn, and the main tower overhead product.



2,071,910
TREATING HECTOGRAPH BANDS
William B. Whitmore, Oak Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application December 9, 1935, Serial No. 53,615
16 Claims. (Cl. 41—31.5)

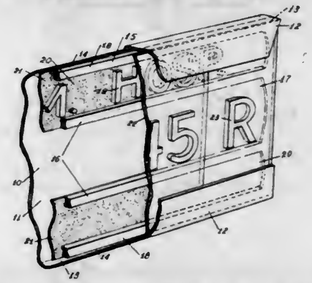
15. A hectograph band having on its duplicating surface an integral coating of a continuous film of a material permeable to the duplicating inks whereby said band may be initially employed for duplicating purposes without removal of said material, said material being adherent to the duplicating surface of the band and non-adherent to the reverse side thereof.

2,071,911
AUXILIARY CIRCUIT
Hugh E. Young, Chicago, Ill.
Application March 24, 1934, Serial No. 717,280
3 Claims. (Cl. 171—97)



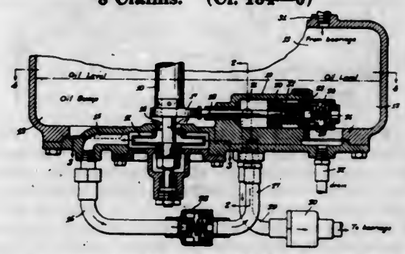
3. The combination for illuminating a safety sign, comprising a current supply circuit, a primary lamp normally adapted to illuminate the sign by current flow therethrough, an impedance in series therewith, said lamp and impedance being connected in series and bridged across the supply circuit, a shunt circuit comprising two impedances connected in series and being bridged across the supply circuit, a stand-by lamp also adapted when energized to illuminate said sign, said stand-by lamp being connected to the two bridge circuits at equi-potential points whereby the stand-by lamp is substantially free of current flow so long as the primary lamp is intact, said stand-by lamp being supplied with current flow by shift of potential of the points to which the spare lamp is connected by interruption of the circuit through the primary lamp.

2,071,912
DEVICE FOR MARKING X-RAY NEGATIVES
Edward S. Auer, Chicago, Ill.
Application April 10, 1936, Serial No. 73,634
6 Claims. (Cl. 250—34)



6. A device for marking X-ray negatives comprising a main frame member of X-ray-pervious material having a pair of open-ended oppositely disposed edgewise grooves, an identification frame formed of X-ray-impervious material and dimensioned to slide between the grooves of said main plate for positioning thereon, said identification frame having a plurality of openings therethrough with X-ray-impervious indicia characters supported in a first one of said openings by means attached to said frame and to said characters, and an indicia plate of X-ray-pervious material also slidable between said grooves of the main plate on top of said identification frame when the latter is positioned in the main frame, said plate having secured thereto X-ray-impervious indicia characters positioned thereon to overlie a second said opening in said identification frame and not occupied by identification indicia characters.

2,071,913
LUBRICATION SYSTEM
Oliver D. H. Bentley, Norfolk, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.
Application December 7, 1935, Serial No. 53,368
8 Claims. (Cl. 184—6)



1. In combination, a machine having a bear-

ing to be lubricated, a shaft rotated during operation of said machine, means operated by said shaft for delivering oil to said bearing at high pressures during high speeds of rotation of said shaft, and separate means operated by said shaft for delivering oil at a constant low pressure to said bearing at low speeds of rotation of said shaft, said means cooperating to maintain a pressure above a predetermined minimum oil pressure at said bearing.

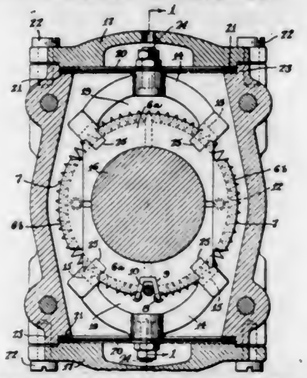
2,071,914

PRESSURE COMPENSATION FOR PACKING

Oliver D. H. Bentley, Norfolk, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.

Application December 7, 1935, Serial No. 53,370

7 Claims. (Cl. 286—20)



1. A packing assembly comprising in combination, a rotary shaft, a packing ring around said shaft exposed to fluid pressure acting to press said ring against said shaft, a diaphragm also exposed to the action of said fluid pressure for opposing said action of said fluid pressure, and means connecting said diaphragm and said ring.

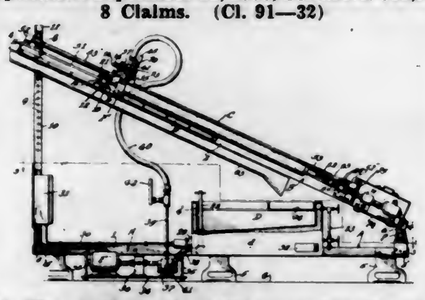
2,071,915

MACHINE FOR COATING PRINTERS' ROLLERS

Carl G. Bingham, Highland Park, Ill., assignor to Sam'l. Bingham's Son Mfg. Co., Chicago, Ill., a corporation of Illinois

Application September 11, 1933, Serial No. 688,951

8 Claims. (Cl. 91—32)



6. The method of coating a printer's roller which consists in rotatably journaling the roller in an inclined position and progressively downwardly immersing a relatively short longitudinal section of the underside only of the rotating roller in a body of melted composition and maintaining the level of the body substantially constant relative to the axis of the roller.

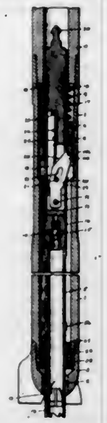
2,071,916

CORE DRILL

John F. Bozeman, Lake Charles, La., assignor to Ace Wire Line Core Drilling Company, a corporation of Texas

Application March 23, 1934, Serial No. 716,990

6 Claims. (Cl. 255—72)



2. In a rotary drill of the class described in the specification, the combination of a drill stem and a core barrel, of means between said drill stem and core barrel to releasably hold said core barrel in said drill stem, said means including interengaging elements carried by said core barrel and by said drill stem, yieldable means to urge said core barrel element into engagement with said drill stem element, and a releasing device to disengage said elements when an upward pull is exerted on said device, said yieldable means being operatively associated with said releasing device and being moved to relieve its tension when an upward pull is exerted on said device.

2,071,917

PROCESS OF PREPARING N-ALKOXYALKYL ARYL SULPHONAMIDES

Bozetech C. Bren, Cedar Grove, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application February 28, 1934, Serial No. 713,375. Divided and this application June 12, 1935, Serial No. 26,247. In Canada February 18, 1935

6 Claims. (Cl. 260—128)

1. Process of preparing a N-alkoxyalkyl aryl sulphonamide comprising reacting an aryl sulphonamide with an alkoxyalkyl halide in the presence of an alkali metal hydroxide.

2,071,918

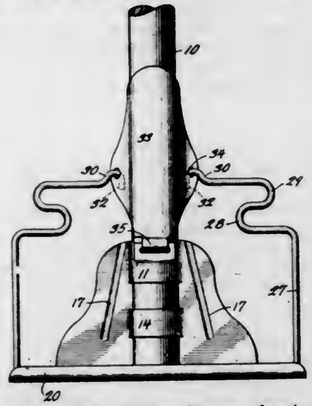
MOP

Ernest W. Burchell and Gustav A. Altenbern, Chicago, Ill., assignors to Midway Chemical Company, Chicago, Ill., a corporation of Illinois

Application August 27, 1934, Serial No. 741,625

6 Claims. (Cl. 15—152)

3. In a mop head organization of the type employing a stick, having on one end thereof a sheet metal socket carrying one element of the mop clamp, and a lever actuating the other mop clamping element; the improvement wherein the sheet metal socket is formed of one sheet having an arcuately outstruck portion forming a stick socket, a portion of said arcuately outstruck socket extending laterally away from the peripheral plane of the stick, said outwardly bent portion being slotted to provide a pivot bar transverse to said stick, the lever having a tongue portion adjacent one end extending through said slot and around said pivot bar, and into the space formed by said outwardly bent portion of the socket to pivot the lever to the socket.



6. A mop head comprising a sheet of metal adapted to be secured parallel and adjacent one end of a mop stick, integrally formed pairs of tangs along an outer edge of said sheet and a second section of sheet material, said second section being shaped to form a trough, and having slots in the bottom thereof spaced to receive said tangs, the tangs of each pair being bent in opposite directions and lying in said trough whereby to firmly attach the sections together with the edge of the first sheet lying along the back of the trough.

2,071,919

VACUUM COFFEE BREWER

Harvey Cory, Chicago, Ill.

Application July 13, 1934, Serial No. 734,893

6 Claims. (Cl. 53—3)



1. In a vacuum coffee brewer including a decanter to which is fitted a funnel provided with a seat, a filter unit comprising a block of substantial weight adapted for loose fitting within the seat, the under face of the block being recessed to form a chamber which is open upon the block bottom and surrounded by side walls through which are lateral ports to afford communication between the chamber and the block exterior, and strainer material applied over the block extending closely across the outer ends of the lateral ports and across the bottom faces of the side walls to span the block bottom in spaced relation to the chamber roof and inner ends of the lateral ports, the weight of the block being imposed through the bottom faces of its side walls upon the strainer material which is rested upon the seat whereby to establish, in and of itself alone, between the filter unit and the seat, a seal which is effective to prevent flow therethrough of liquid at normal operating pressures.

2,071,920

SPRAY NOZZLE AND STRAINER

Walter Czarnecki, Eddington, Pa., assignor to Eddington Metal Specialty Co., Eddington, Pa., a corporation of Pennsylvania

Application December 18, 1934, Serial No. 757,995

4 Claims. (Cl. 299—120)



3. In a nozzle unit, a spherical terminal member having a plurality of radial sockets, and kerfs cut in spherical segments opposite each of said sockets.

2,071,921

LAMINATED STRUCTURE

Robert F. Dickson, Leominster, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 18, 1935, Serial No. 27,172

7 Claims. (Cl. 154—2)



3. Method of making an integral laminated structure comprising perforating a sheet of seasoned opaque organic plastic, superposing on one side of said sheet a sheet of transparent organic plastic containing sufficient solvent to make it appreciably softer than said first sheet, compositing said sheets by pressure at an elevated temperature whereby said sheet of transparent organic plastic flows into and completely fills the perforations in said sheet of opaque organic plastic, and compositing a second sheet of opaque organic plastic of contrasting color to said first opaque plastic, to the opposite side of said first sheet.

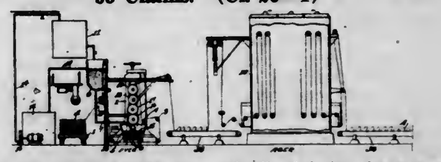
2,071,922

MANUFACTURE OF PILE FABRICS

Albert William Drobile, Wayne, Glen Sefton Hiers, Bala-Cynwyd, and William Rollin Keen, Drexel Hill, Pa., assignors to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application July 19, 1934, Serial No. 735,922

35 Claims. (Cl. 26—1)



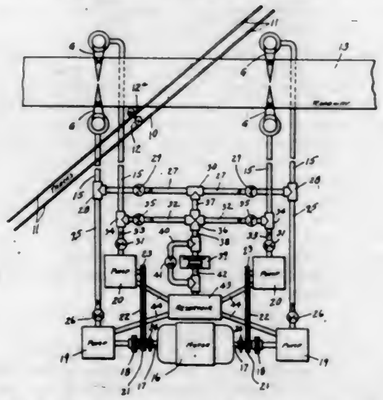
1. In the manufacture of pile fabric, the steps which include moving the pile fabric at a constant rate through a bath of dyestuff containing vehicle, entraining in the fabric a portion of such vehicle containing unexhausted dyestuff, exhausting the dyestuff from the vehicle and fixing the dyestuff on the fibers of the fabric in transit to pile finishing apparatus, and moving the fabric as a continuous web between and in contact with pile finishing devices in range.

2,071,923
ELECTRON DISCHARGE DEVICE
Samuel G. Frantz, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application May 22, 1930, Serial No. 454,533, now Patent No. 2,013,093. Divided and this application September 20, 1932, Serial No. 633,941
7 Claims. (Cl. 179—171)



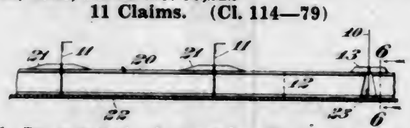
3. In an electrical network an electron-discharge device containing an electron emitting electrode, an electron collecting electrode, and a control electrode, means for applying a high potential to the control electrode for the purpose of accelerating the flow of electrons toward the electron collecting electrode, and means for passing a current through the control electrode for the purpose of creating a magnetic field around it to prevent it from being struck by electrons.

2,071,924
HIGHWAY CROSSING GATE AND CONTROL SYSTEM
James H. Fraser, Louisville, Ky.
Application April 22, 1933, Serial No. 667,465
10 Claims. (Cl. 246—128)



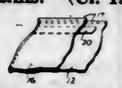
1. In a protective rail-highway crossing system, the combination with a plurality of gates each having fluid operable mechanism and a vertical tiltable gate arm, a fluid reservoir, a motor, and a control means operable by an approaching rail occupying vehicle for initiating motor operation and continuing the same until all the gate arms have been moved into predetermined position, of a pump for each gate and operatively connected to the motor for simultaneous operation of all pumps, a conduit connecting each pump to its associated gate for gate arm movement thereof, a check valve in each conduit interposed between the pump and gate, a branch conduit from each conduit interposed between the check valve and the gate, a second check valve in each branch conduit arranged to permit fluid discharge from the primary conduit, a return conduit discharging to the reservoir at one end and communicating with all of the branch conduits, valve means controlling the discharge of fluid to the reservoir through the return conduit, and control means responsive to the position of the vehicle for preventing movement of the valve means until the vehicle has passed beyond the crossing.

2,071,925
SHIP CONSTRUCTION
Hugo P. Frear, New York, N. Y., assignor to Bethlehem Shipbuilding Corporation, Ltd., a corporation of Delaware
Original application July 19, 1934, Serial No. 735,923. Divided and this application January 15, 1936, Serial No. 59,212
11 Claims. (Cl. 114—79)



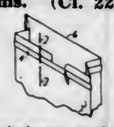
1. In a vessel of quasi longitudinal construction, transverse bulkheads, fore and aft walls, webs in widely spaced transverse planes attached to said walls, relatively narrow longitudinal stiffeners passing continuous through said webs and cut through by said bulkheads in such a manner that the cut ends are in close proximity to said bulkheads on each side thereof, and a reenforcing bar secured to the inner edge of each of the said longitudinal stiffeners and passing continuous through said webs to each side thereof a distance of not less than 10% nor more than 21% of the distance to the next adjacent support.

2,071,926
TEAR-RESISTANT PRODUCT AND METHOD OF PRODUCING SAME
Gerald K. Geerlings, Bala-Cynwyd, Pa.
Application August 28, 1933, Serial No. 687,047
5 Claims. (Cl. 154—46)



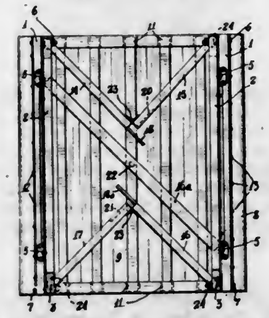
1. A flexible sheet comprising a layer of thin nonfibrous material having the tearing characteristics of regenerated cellulose and provided with means carried thereby for limiting or directing tears formed in the material, said means being in the form of a strip of material similar to that of which the sheet is formed presenting an edge in contact with said layer positioned to separate an area of the sheet designed to be readily torn from an area thereof to be protected from tears, said edge being more resistant to tearing than said layer and facing the area designed to be readily torn.

2,071,927
FLEXIBLE CONTAINER
Gerald K. Geerlings, New Canaan, Conn.
Application March 28, 1934, Serial No. 717,702
8 Claims. (Cl. 229—55)



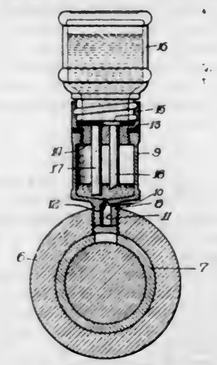
1. A flexible container embodying a sheet of non-fibrous cellulosic material, one portion of which extends about the package contents and another portion of which serves to close the package, said second named portion positioned to provide a discharge mouth through which the contents may be removed, and flexible tear limiting means secured to and completely encircling the container and spaced inwardly from the mouth thereof, said tear limiting means presenting an edge resistant to tearing for stopping the progress of a tear.

2,071,928
COLLAPSIBLE TABLE OR THE LIKE
Charles Golden, Brooklyn, N. Y.
Application August 25, 1934, Serial No. 741,384
2 Claims. (Cl. 311—78)



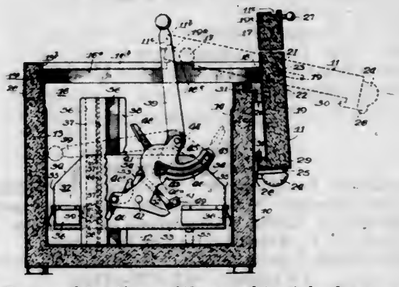
1. A collapsible table, comprising side frame members, legs pivotally connected to the inner sides of said side frame members, said legs being pivotally connected to their respective side frame members at points which are spaced unequally from the bottom edges of said side frame members, so that said legs can be turned until they are substantially parallel to each other and substantially parallel to said side frame members, end frame members turnably connected to each other and connected to said side frame members above the pivots of said legs, said end frame members being turnable inwardly so that the table can be collapsed with said legs arranged in superposed pairs, each pair of legs and a pair of end frame members being then in superposed relation.

2,071,929
OILING DEVICE
Robert L. Harter, Hinsdale, Ill.
Application December 19, 1934, Serial No. 758,206
4 Claims. (Cl. 184—103)



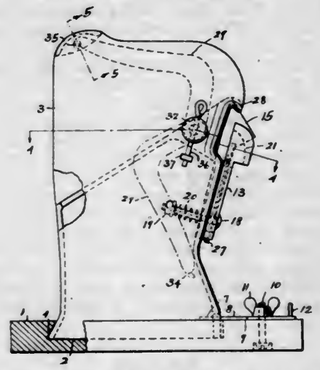
1. A lubricating device comprising a lubricant feeding chamber having means connected to its lower end for supplying lubricant to a member to be lubricated, said chamber being made of a heat conducting material, and means for maintaining a constant volume of air in said chamber, whereby the temperature changes of said air cause lubricant to flow from said chamber.

2,071,930
CABINET-ENCLOSED POSTING TRAY
David E. Hunter, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Original application October 16, 1933, Serial No. 693,747. Divided and this application September 21, 1935, Serial No. 41,510
5 Claims. (Cl. 45—2)



1. In combination with a cabinet body, a carrier vertically movable in said body, vertically extending ratchet bars secured to the body adjacent the sides of said carrier, a jack bar fulcrumed on one side wall of said carrier, a pawl carried thereby engageable with one of said ratchet bars, a gravity pawl pivoted on the other side of said carrier engageable with the other ratchet bar, and a hand-operated trip mechanism for disengaging both pawls from their respective ratchet bars.

2,071,931
BANANA PEELER
Robert E. Leavens, Houston, Tex.
Application March 14, 1935, Serial No. 11,029
7 Claims. (Cl. 146—5)



1. An implement of the character described comprising a body formed of complemental, upstanding, sections and having a chute between the sections, means for holding the sections yieldingly together, a knife arranged in advance of the chute, a divider guide between the knife, and chute, and a knife movable into active position across the chute, and into inactive position clear of the chute.

2,071,932

PROCESS OF POLYMERIZATION

Maurice L. Macht, Jersey City, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 8, 1935, Serial No. 10,034

2 Claims. (Cl. 260—2)

2. A process comprising kneading a composition containing a substantial amount of monomeric methyl methacrylate and a polymerization catalyst therefor, the character of said composition being such that upon polymerization of said methyl methacrylate the composition will reach a sufficiently hard and solid state to permit granulation at 100° C., in a closed mixer provided with a reflux condenser at a temperature of about 100° C. and continuing said kneading at approximately that temperature until a granular mass is obtained.

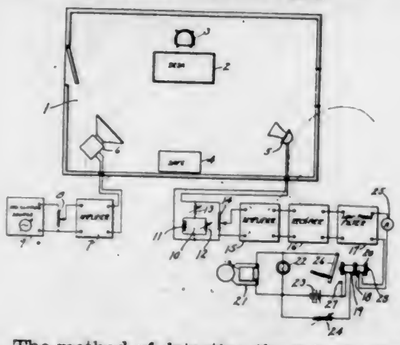
2,071,933

ALARM SYSTEM

Benjamin F. Miessner, Township of Millburn, Essex County, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 28, 1931, Serial No. 519,066

2 Claims. (Cl. 177—314)



1. The method of detecting the introduction of a new object into a given substantially enclosed space and the disturbance of objects therein, which consists in propagating in said space continuous waves of a wavelength substantially greater than that of light, which waves are reflected by the confines of said space and by objects therein to produce reflected waves, and which reflected waves form with each other and with said propagated waves a wave pattern substantially filling said space; in receiving the waves comprised in said pattern at a fixed region within said space; in adjusting the length of said propagated waves to render normally low the amplitude of said received waves; and in signalling increases in the amplitude of said received waves, whereby to detect changes in said pattern.

2,071,934

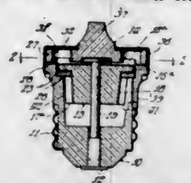
MULTIPLE FUSE PLUG

Benjamin L. Moss and Francis J. Landgraf, Chicago, Ill., assignors to Leopold Moss, Chicago, Ill.

Application July 7, 1932, Serial No. 621,198

10 Claims. (Cl. 200—125)

3. In a multiple fuse plug, a housing, a pair of contacts on the housing, a plug rotatably supported in the housing, said plug having channels coinciding to provide a spiderlike depression therein, a multiple fuse element disposed in the spiderlike channel, whereby a number of individual fuse elements is provided extending radially from the center of the plug in said channels, a plug extension having squared projections extending into the channels and having apertures



communicating with said channels whereby to interconnect the plug extension and plug and form a plurality of closed chambers including portions of said channels, and a translucent member disposed against the plug extension and closing said apertures, and means for successively bridging the individual fuse elements across said housing contacts when the plug is turned.

2,071,935

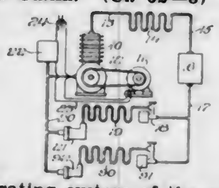
CONTROL FOR REFRIGERATING SYSTEMS

Glenn Muffly, Scarsdale, N. Y., assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich., a corporation of Michigan

Application December 31, 1928, Serial No. 329,396

Renewed November 25, 1933

1 Claim. (Cl. 62—8)



In a refrigerating system of the compression-expansion type, in combination, a pressure imposing element, a plurality of expansion elements connected in parallel between the suction and discharge sides of said pressure imposing element, an individual pressure actuated expansion valve for each of said elements, at least two of said valves being set to effect different minimum temperatures of their corresponding expansion elements, and an individual check valve for each of said expansion elements, except for that or those operating to produce a maximum temperature of the corresponding expansion element or elements, said check valve being located on the discharge side of said expansion elements.

2,071,936

WATT-HOUR METER

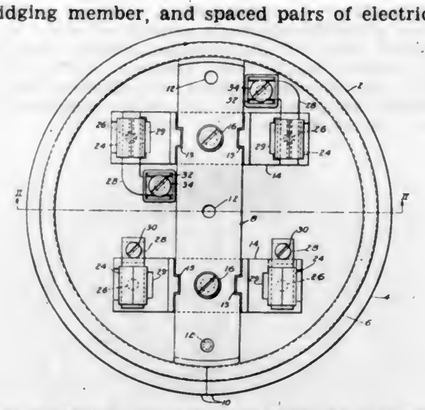
Walter G. Mylius, Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 3, 1935, Serial No. 43,343

4 Claims. (Cl. 247—2)

1. A meter supporting socket comprising a strip of sheet material so bent that the free ends thereof are in abutting relation to form a circular member, a bridge extending diametrically across said circular member and secured to the inner periphery thereof with one end overlying said abutting free ends, means for securing the bridge in such position, insulating blocks secured to said

bridging member, and spaced pairs of electrical



contact devices on each of said blocks including terminals for connection to a circuit.

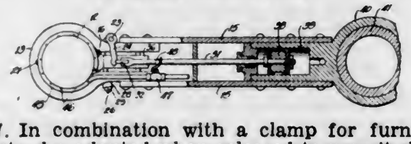
2,071,937

CLAMP FOR ELECTRIC ARC FURNACE ELECTRODES

William Harvey Payne, La Grange, Ill.

Application August 6, 1936, Serial No. 94,644

9 Claims. (Cl. 13—16)



7. In combination with a clamp for furnace electrodes adapted when released to permit slippage of the electrode, a blast applying element positioned to apply a blast to the electrode in a region proximate to and above the clamp to expel dust from the electrode.

2,071,938

BLANC FIXE AND METHOD OF MAKING SAME

James B. Pierce, Jr., Charleston, W. Va., assignor to Barium Reduction Corporation, Charleston, W. Va., a corporation of Delaware

No Drawing. Application March 30, 1933, Serial No. 663,495

5 Claims. (Cl. 134—58)

1. The dry method of improving the color of precipitated blanc fixe containing objectionable color-imparting compounds, consisting essentially of iron sulphide, which consists in heating such dry blanc fixe to a temperature between 250° C. and 450° C. for a sufficient time to substantially destroy and thereby decolorize such color-imparting compounds contained therein without affecting the removal of the metal element of such contained sulphide or substantially affecting the oil absorption characteristics of the blanc fixe so treated.

5. A low oil-absorption, precipitated, brilliant white blanc fixe produced solely by subjecting blanc fixe containing iron sulphide as a color-imparting impurity to a dry calcining operation at a temperature between 250° C. and 450° C. and which product is characterized by the presence therein of an amount of a calcined colorless iron compound which, if present in the form of its equivalent weight of iron sulphide, would impart a coloration to the rub-out product obtained by rubbing up such blanc fixe with water that would be decidedly objectionable and decidedly off color from pure white and such blanc fixe preserving the oil-absorption characteristics of the original blanc fixe from which the same was prepared.

2,071,939

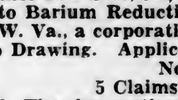
HALOGEN DERIVATIVES OF α-ETHYL PROPYL CRESOLS

George W. Raiziss and Le Roy W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application June 22, 1934, Serial No. 731,894

6 Claims. (Cl. 260—154)

1. A compound having the formula:



wherein R is a cresol nucleus, Y is a halogen, and n is 1 or 2.

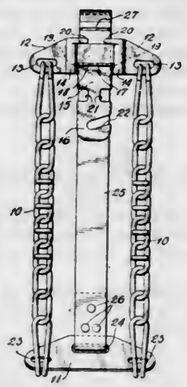
2,071,940

BUCKLE

John R. Reyburn, Fairfield, Conn., assignor to American Chain Company, Inc., a corporation of New York

Application January 28, 1935, Serial No. 3,707

6 Claims. (Cl. 24—193)



1. A buckle of the character described comprising a frame having a seat for the adjacent portion of a strap, a cam lever pivoted to the frame for movement to and from a position to clamp such strap portion upon said seat, said lever having an operating arm extending toward and projecting beyond the entrant end of the buckle when the lever is in clamping position and being formed in said projecting part with an open slot extending from a lateral edge thereof to receive the free end of the strap therein whereby the strap may be bent back with said arm over the entrant end of the buckle as the lever is moved to clamping position, and a tongue formed on the frame and projecting over said seat at the entrant end of the buckle, said arm being notched to clear the tongue, the tongue being spaced above the seat sufficiently to permit of inserting the free end of the strap between the tongue and the arm so as to hold the lever in clamping position.

2,071,941

CONTROLLING DEVICE FOR MECHANISMS

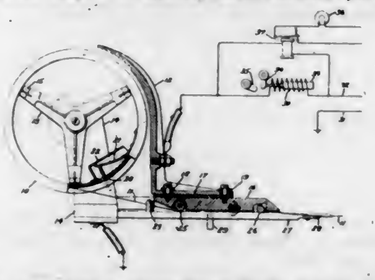
John Flaws, Jr., Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application April 23, 1936, Serial No. 76,083

4 Claims. (Cl. 192—127)

1. The apparatus for causing an alarm when the last of a wire is unwound from a spool com-

prising a spool having a base with an aperture therein over which the wire is wound, means for rotatably mounting said spool so that it can be turned and the wire unwound, a finger mounted radially inward from said aperture in the base of the spool and adapted to turn therewith, means for pushing said finger outward radially through said aperture and against the wire and for causing said finger to spring still further outward



when the wire is completely unwound from the spool, a guard mounted adjacent to the periphery of the spool and adapted to contact the finger as the spool is turned when the finger is in the outermost position, an electrical circuit including said finger and said guard and means connected in said circuit for giving an alarm when the circuit is completed by the finger contacting the guard.

2,071,942

METHOD OF MANUFACTURING IRON ALLOYS

Wilhelm Rohn, Hanau-on-the-Main, Germany, assignor to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany, a German company

No Drawing. Application August 23, 1934, Serial No. 741,184. In Cermany August 30, 1933
5 Claims. (Cl. 75—11)

1. The method of forming low carbon iron alloys containing at least one of the elements Si, Ti, Zr, Hf, Th, V, Cb, Ta, Cr, Mo, W, which comprises providing in a furnace a charge consisting of a molten iron bath of relatively low carbon content, converting the charge into carbide-containing iron by adding thereto a determined proportion of a carbide compound of said element, thereafter applying to the surface of the carbide-containing charge at least a substantially equivalent proportion of a carbon reducible metal oxide the metallic constituent of which is desired in said alloy, the said oxide being substantially free of associated slag forming materials, enclosing the surface of the bath from the atmosphere and circulating a gas over the surface of the bath which is substantially inert to the metallic constituents thereof and of said carbide and said oxide, vigorously stirring the said bath while heating the same and circulating the said gases so as to obtain and maintain substantially uniform dispersion of said carbide and said oxide and substantially uniform composition throughout the bath, and continuing the previous operations under gradually diminishing pressures of the gases until the carbon and oxygen content of the bath has been reduced to the desired low percentage.

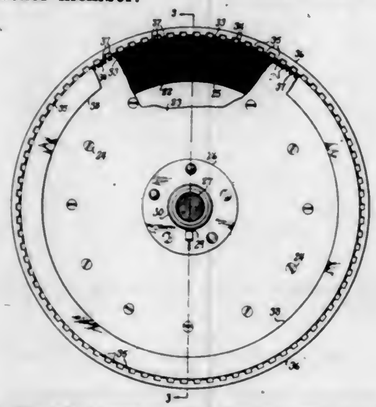
2,071,943

ELECTROMAGNETIC CLUTCH

Ethelbert M. Fraser, Yonkers, N. Y., assignor to Fraser Automotive Appliances, Inc.

Application April 16, 1934, Serial No. 720,718
24 Claims. (Cl. 172—284)

1. An electromagnetic clutch comprising in combination a magnet with toothed circular poles, a toothed magnetic armature for the said magnet, each of said members being rotatable with respect to the other and with respect to a fixed point, a pole of one of said members having twice as many teeth as the cooperating pole of the other member.



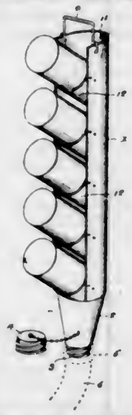
10. An electromagnetic clutch comprising in combination a circular electromagnet provided with toothed poles, a ring armature therefor lying between said toothed poles, each of said members being rotatable with respect to the other and with respect to a fixed point, said ring armature being toothed on each face, the teeth of the armature cooperating with the teeth of the poles of the magnet, and a flexible plate for supporting said armature.

2,071,944

DRAINING RACK

Nathaniel Hoffman, Atlantic City, N. J., assignor, by mesne assignments, to Pauline Hoffman, Atlantic City, N. J.

Application January 24, 1936, Serial No. 60,714
2 Claims. (Cl. 221—69)



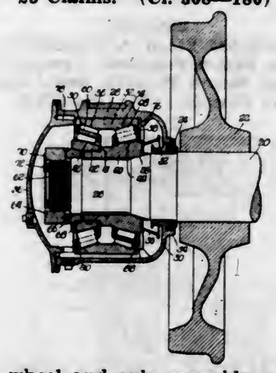
1. A rack comprising a vertically arranged member of substantially U-shape in cross section to provide a trough-like portion, said member having the lower end thereof shaped to provide a funnel, means for connecting the upper end of the member to a support, and a plurality of inclined shelves secured on and extending into said member for supporting containers in superimposed relation for draining into the member.

2,071,945

WHEEL AND AXLE ASSEMBLY

Alfred H. Oelkers and Fred E. Bachman, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application March 6, 1933, Serial No. 659,659
23 Claims. (Cl. 308—180)



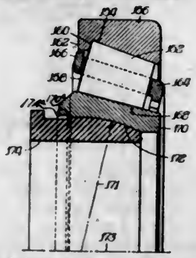
1. In a wheel and axle assembly, a rotatable wheeled axle having a journal end, a journal box into which the journal end of said axle extends, a roller bearing unit positioned in said journal box concentric with the journal end of said axle for transmitting the radial load from said journal box to said axle and comprising inner and outer race rings and two roller courses designed to provide self-alignment between said race rings and to transmit axial thrust in either direction from said axle to said journal box, said inner race ring having a tapered bore at each end thereof, said journal end of said axle having a tapered wedge shoulder thereon adapted to engage the tapered bore at one end of said inner race ring, a pair of segmental wedge members adapted to engage the outer end of the tapered bore of said inner race ring and a nut threaded to the journal end of said axle having interlocking engagement with said wedge members for forcing said wedge members longitudinally with respect to said axle to fixedly position the inner race ring of said roller bearing unit upon said axle.

2,071,946

WHEEL AND AXLE ASSEMBLY

Alfred H. Oelkers and Fred E. Bachman, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application October 18, 1933, Serial No. 694,020
10 Claims. (Cl. 295—36)



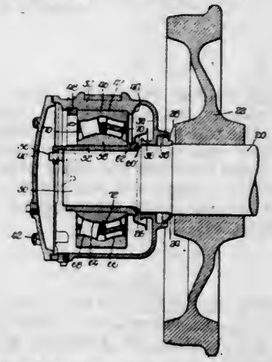
2. An anti-friction bearing comprising radially spaced race members, the outermost of said members having a thrust shoulder, a plurality of rollers between said members and cooperating with said thrust shoulder, the inner race member comprising relatively movable parts.

2,071,947

WHEEL AND AXLE ASSEMBLY

Alfred H. Oelkers and Fred E. Bachman, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Continuation of application Serial No. 659,658, March 6, 1933. This application June 10, 1936, Serial No. 84,422
29 Claims. (Cl. 308—180)



1. In a wheel and axle assembly, a rotatable wheeled axle, a journal box, said axle having a bearing portion extending into said journal box, a self-aligning roller bearing assembly mounted on said axle bearing, means operable after substantially 360° displacement between said axle and roller bearing in either of two directions for causing said roller bearing to operate upon rotation of said axle, means preventing axial displacement of said roller bearing assembly with respect to said journal box and means permitting limited lateral movement between said axle and said roller bearing assembly, said last-named means including cooperating thrust shoulders between the axle and the inner end of said bearing assembly.

2,071,948

ILLUMINATING DEVICE

Leo R. Peters, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application August 20, 1932, Serial No. 629,637
2 Claims. (Cl. 176—16)



1. An electrical device comprising a bulb, an electric light source enclosed therein, a leading-in wire connected to said source and extending exteriorly of said bulb, an insulated conductor having an end electrically connected to the outer end of said leading-in wire and an end portion of said insulation being folded back and extending transversely of said conductor and a body of plastic material molded and hardened around the conductor and leading-in wire and the adjacent portion of the insulation and said bulb.

2,071,949

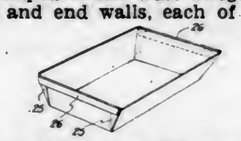
BOX

Samuel Reich, Brooklyn, N. Y.

Application April 13, 1934, Serial No. 720,346
1 Claim. (Cl. 229—31)

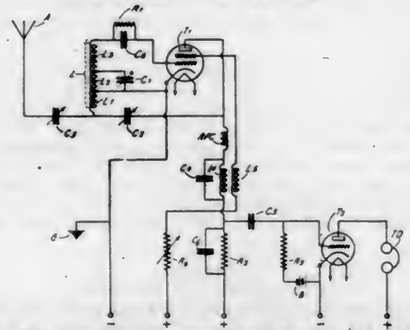
A box constructed entirely from a single blank of cardboard comprising a tray-like body of rec-

tangular configuration having a bottom wall, upstanding opposed end walls, and upstanding opposed side walls, down-turned flaps integral with and extending the width of the opposed end walls and disposed exteriorly of said end walls, triangular shaped corner webs integral with adjacent side and end walls, each of said corner



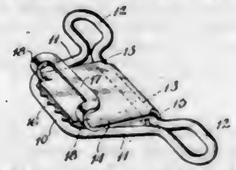
webs being folded outwardly upon itself and thence inwardly flat against the outside of said end walls, the top portions of the folded webs underlying the end portions of said flaps, and an adhesive bond between the inner side of the end portion of said flaps and the outer folds of the respective corner webs for securing the box in a permanent set-up position.

2,071,950
SUPER-REGENERATIVE RECEIVER
John L. Reinartz, Manchester, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1933, Serial No. 691,369
7 Claims. (Cl. 250—20)



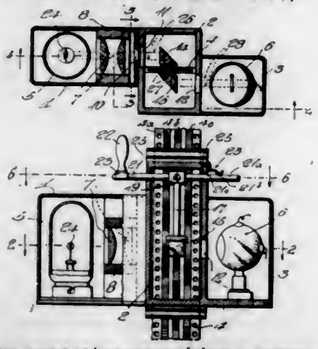
1. In a super-regenerative receiver provided with an electronic tube having at least two grids, means for providing a signal feedback between the anode and one of the grid electrodes including means for controlling the degree of feedback, a second feedback circuit between the anode and another grid of said tube for producing the interrupting frequency and means for controlling the intensity of the interrupting frequency.

2,071,951
BUCKLE
John R. Reyburn, Fairfield, Conn., assignor to American Chain Company, Inc., a corporation of New York
Application October 8, 1935, Serial No. 43,997
6 Claims. (Cl. 24—191)



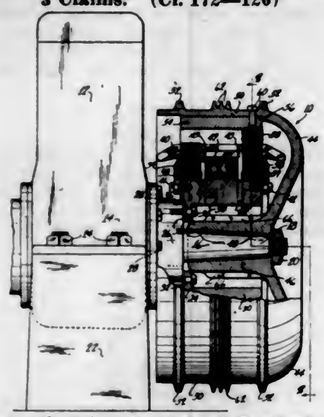
1. A buckle for use with a flexible strap, said buckle comprising a base frame, a tongue hinged at one end to the frame, the opposite end of the tongue being shaped to grip the strap, and means carried by the tongue at said opposite end for pressing the tongue into gripping relation with the strap and for retaining the adjacent free end of the strap.

2,071,952
SOUND FILM APPARATUS
Gordon Brown Scheibell, Newark, N. J.
Application March 12, 1931, Serial No. 522,092
12 Claims. (Cl. 179—100.3)



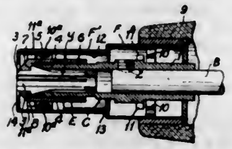
1. Film apparatus comprising a source of light, a photosensitive cell, a film, means for defining said light into a beam, and means for reflecting said light beam through said film, said last mentioned means being movable with respect to said cell.

2,071,953
FLYWHEEL TYPE ELECTRIC MACHINE
Theodor Schou, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 4, 1933, Serial No. 669,303
3 Claims. (Cl. 172—120)



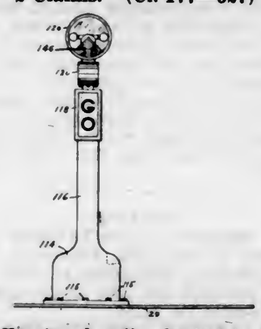
1. In an electric machine of flywheel type, a stator including an annular frame of magnetic metal, armature windings and core elements carried peripherally of said annular member, a plate detachably secured to each lateral face of the ring member, field windings intervening the core elements and carried by said ring member, a non-magnetic support for said ring member tending to confine the armature flux path to said ring member, a shaft, a rotor bracket formed of a non-magnetic metal, and secured to said shaft, a magnetic bridging structure mounted internally of the periphery of said rotor bracket, and a plurality of inductor pole pieces carried internally of said bridging structure and movable in exterior adjacence to said armature and field windings.

2,071,954
CHUCK OR TOOL HOLDER
Loyd Scruggs, University City, Mo.
Application June 22, 1935, Serial No. 27,894
2 Claims. (Cl. 279—52)



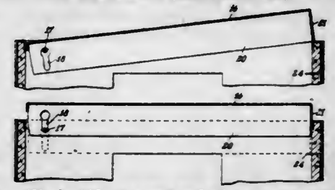
1. A tool chuck, comprising a rotatable supporting member attached to a drive shaft, gripping jaws carried by said member, a rotatable actuating device for said jaws carried by said supporting member, a sleeve surrounding said supporting member and mounted so as to be capable of being reciprocated relatively to said supporting member, co-acting teeth on said supporting member and sleeve arranged to be engaged and disengaged with each other by endwise movement of said sleeve, and a rotatable part on said sleeve for turning said actuating device when the co-acting teeth on said sleeve and supporting member are engaged with each other for permitting said supporting member to be held against rotation.

2,071,955
TRAFFIC SIGNAL
Henry J. Smith, Minneapolis, Minn.
Application January 6, 1932, Serial No. 585,016
2 Claims. (Cl. 177—327)



1. A traffic signal unit adapted to be disposed at the intersection of two thoroughfares and adapted to direct traffic to go on one thoroughfare and stop on another having in combination, a vertically extending member, means for mounting said member for oscillation through 90 degrees at the end of regular and definite periods, a casing carried by said member having open opposite ends, an arm rotatable about its center in said casing, illuminated means at each end of said arm visible at both ends of said casing, means for constantly rotating said arm and illuminated means without relation to said periods, said rotating arm and illuminated means constituting a go signal for traffic, a second casing adjacent said casing carried by said member having opposite open ends directed at right angles to said ends of said first mentioned casing, illuminated means in said second casing visible at both ends thereof and constituting a stop signal.

2,071,956
MILK BOTTLE RECEPTACLE
Adolf G. Soldt, Long Island City, N. Y.
Application October 28, 1936, Serial No. 107,959
2 Claims. (Cl. 232—42)



1. A milk bottle receptacle having at its upper end a receiving opening, a closure conforming generally to the shape of said opening and dimensioned to snugly fit therein when in fully closed position and including a top wall, an end wall and a pair of side walls, said side walls having a pair of slots formed therein and extending downwardly from said top wall, and a pivot rod accommodated within said slots and constituting pivot means connecting one end of said closure to said receptacle for bodily vertical movement of said closure from fully closed position toward open position and for thereafter facilitating pivotal movement of said closure to a partially open position and for then facilitating downward movement of the pivoted end of said closure to its normal position of rest whereby the free end of said closure assumes an overlying relation to the adjacent portion of the wall of that opening.

2,071,957
WALL HOOK AND SUPPORTING CARD THEREFOR
Frank E. B. Tate and Christopher Tate, Malden, Mass., assignors to E. H. Tate Company, Boston, Mass., a corporation of Massachusetts
Application September 16, 1935, Serial No. 40,783
6 Claims. (Cl. 206—79)

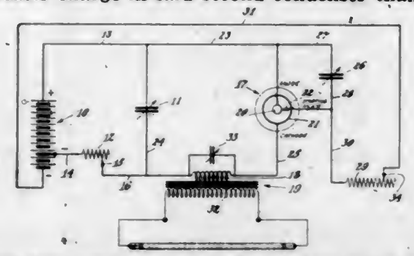


1. In combination, a wall hook having a loop portion and a pin extending through said loop at two points and touching the loop at a third point, and a supporting card having a tab bent up therefrom to project into said loop, said tab having an aperture registering with said third point of contact.

2,071,958
METHOD FOR PRODUCING INTERMITTENT EFFECTS AND SYSTEM THEREFOR
Ward W. Watrous, Jr., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1933, Serial No. 691,637
5 Claims. (Cl. 250—36)

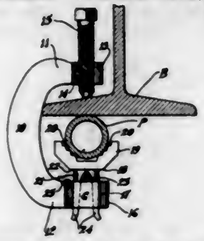
1. A system for producing high-voltage inter-

mittent effects comprising a condenser and means connected thereto for accumulating an electrical charge therein of a predetermined value, a gaseous conduction device having a plurality of electrodes therein, two of said electrodes being connected to said condenser and having such a space relationship that when the charge in the condenser reaches the said predetermined value a discharge is initiated between said two electrodes in said gaseous conduction device, a second condenser, means for accumulating a greater charge in said second condenser than in



said first condenser, one of said first mentioned electrodes and the remaining electrode in said gaseous conduction device being connected to said second condenser, said last mentioned electrodes having such a space relationship that the accumulated charge in said second condenser is insufficient to produce a discharge therebetween in said gaseous conduction device when no discharge occurs between said first two electrodes but sufficient to produce a discharge therebetween when a discharge takes place between said first two electrodes.

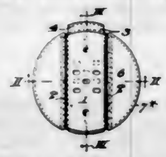
2,071,959
CLAMP
Albert J. Wayman, Youngstown, Ohio, assignor of one-half to Ernest H. McClure, East Palestine, Ohio
Application January 22, 1936, Serial No. 60,271
6 Claims. (Cl. 173—273)



1. A pipe clamp including a C-shaped body, a screw in one end of said body for engaging a support, a pipe jaw having a reduced shank provided with a wire-receiving slot, said shank being swiveled in the other end of said body, and said screw being adapted to clamp a pipe against said jaw and a ground wire in said slot and between said jaw and body.

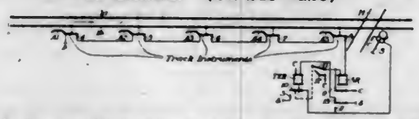
2,071,960
SHAKER CAP
Ralph W. Wilson, New York, N. Y., assignor to Ralph W. Wilson Company, Inc., New York, N. Y., a corporation of New York
Application September 15, 1936, Serial No. 100,815
8 Claims. (Cl. 221—62)

1. A shaker cap comprising a perforated outer plate member, a perforated inner neck member and a perforated intermediate shutter member, the neck member having a shallow groove extending entirely across the top thereof for re-



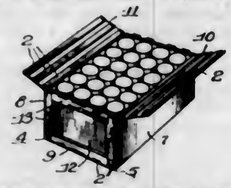
ceiving the plate and shutter members, the tops of the side walls of said groove being crimped over the side edges of the plate member to hold the parts assembled.

2,071,961
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 27, 1936, Serial No. 98,216
11 Claims. (Cl. 246—126)



1. In combination, a stretch of railway track intersected by a highway, a highway crossing signal located at the intersection, a control relay, a slow acting relay having a contact arm which is actuated in a predetermined interval, a series of train actuated devices spaced along the track rails for at least a portion of the stretch, said devices each including a circuit controlling element which is actuated to an open condition only when a train is moving in the vicinity of the device, circuit means for energizing the control relay and serially including the elements of the devices of the series, an operating circuit for the slow acting relay including a front contact of the control relay, and other circuit means for governing the operation of the signal and including said contact arm of the slow acting relay whereby operation of the signal is effected when a train moves uninterruptedly through the stretch of railway and is stopped at the end of said predetermined interval when the train stops along the stretch.

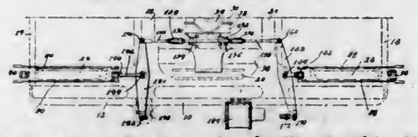
2,071,962
SHIPPING CONTAINER
Oliver M. Babcock, Evanston, Ill.
Original application November 11, 1931, Serial No. 574,249. Divided and this application January 11, 1935, Serial No. 1,359
17 Claims. (Cl. 229—23)



1. A box having walls formed of sheet material one or more of which walls are strip-reinforced walls and are foldably connected to adjacent walls along the longitudinal corners, the closing wall consisting of flaps integral with and foldably connected to the adjacent walls, a pair of end

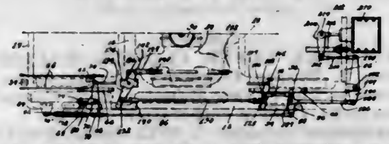
walls each formed of sheet material and each having wood reinforcing members, the free edges of said flaps meeting in the closing face away from the edges where said flaps are foldably connected to the side walls, the edges of the flaps meeting in overlapping relation.

2,071,963
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 24, 1934, Serial No. 759,112
35 Claims. (Cl. 188—46)



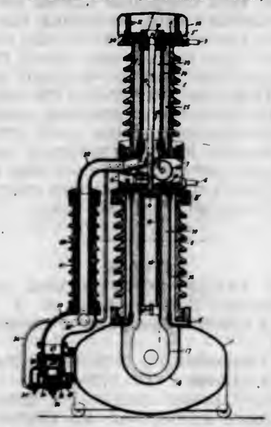
1. In a six-wheel car truck, the combination of a truck frame including a side frame, end rails and spaced transoms, a bolster disposed between said transoms and supported on said truck frame, spaced wheel and axle assemblies disposed in supporting relation to said truck frame and including end and center wheel and axle assemblies, live and dead truck levers disposed on opposite sides of the end wheel and axle assemblies, pull rods connecting live and dead truck levers associated with the wheels and disposed above the axles of said wheels, live truck levers on each side of the center wheel and axle assembly and connected by a pull rod disposed above the axle of the center wheel and axle assembly, a dead auxiliary lever pivoted to said side frame between the center and one of the end axles and connected intermediate the ends thereof to the live truck lever of said end axle, and connected at its inner end to one of the truck levers of said inner axle, a live auxiliary lever between the center and the other of said end axles, said live auxiliary lever being connected at its inner end to the other of the truck levers of said center wheel and axle assembly, a connection between said live truck lever of said last-named end axle and said live auxiliary lever intermediate the ends thereof, a substantially vertically disposed dead cylinder lever pivotally mounted intermediate the ends thereof to the truck frame and connected adjacent the upper end thereof to the outer end of said live auxiliary lever, an operating cylinder supported on said truck frame adjacent the center axle and having the piston thereof connected to the lower end of said cylinder lever.

2,071,964
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 24, 1934, Serial No. 759,113
27 Claims. (Cl. 188—46)



1. In a brake arrangement, the combination of a truck frame for a six-wheel truck, said frame having a side frame, spaced transoms and end rails, a bolster mounted between said transoms, wheel and axle assemblies for supporting said truck frame, the end of said wheel and axle assemblies being mounted between the respective end rails and the adjacent transom, the center of said wheel and axle assemblies being mounted between said transoms and adjacent said bolster, live and dead truck levers for each wheel, the truck levers for the end wheels being substantially in the plane of said wheels, and the truck levers for the center wheel being disposed inwardly thereof, pull rods connecting the live and dead truck levers of the respective wheels, the rods of the end wheels being disposed below the axles thereof, and the rod of said center wheel being disposed above the axle thereof, a dead auxiliary lever adjacent one of the end live truck levers and pivoted adjacent one end thereof to said live truck lever, said auxiliary lever being pivoted to the truck frame intermediate its ends, a live auxiliary lever slidably mounted on said truck frame adjacent the live truck lever of the other end wheel and axle assembly and pivoted adjacent an end thereof to said last named live truck lever, a live equalizer lever slidably mounted on said truck frame between said live auxiliary lever and the adjacent end rail and connected adjacent an end thereof to said live auxiliary lever intermediate its ends, the other end of said equalizer lever being connected to the other end of said dead auxiliary lever, a dead auxiliary lever pivoted intermediate its ends to said truck frame and connected adjacent its inner end to the live truck lever of the center wheel and axle assembly, the outer end of said last named auxiliary lever being connected to the live auxiliary lever adjacent its outer end, an operating cylinder mounted on the end rail of the truck frame adjacent said live equalizer lever and disposed outwardly of said end rail, an equalizer slidably mounted inwardly of said end rail and connected intermediate its ends to the piston of said cylinder, a dead cylinder lever pivoted to said truck frame outwardly of said end rail and connected adjacent its inner end to one end of said equalizer, the outer end of said cylinder lever being connected to said equalizer lever intermediate its ends.

2,071,965
ELECTRIC CIRCUIT INTERRUPTER
Josef Biermanns, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application August 28, 1934, Serial No. 741,793
In Germany October 23, 1933
8 Claims. (Cl. 200—148)



1. An electric circuit interrupter comprising a source of fluid pressure, a high voltage shell-

like insulator mounted in vertical position, relatively movable contact structure and means forming a switching chamber for said contact structure mounted at the upper end of said insulator, contact actuating means including a piston and cylinder extending within and longitudinally of said insulator, a second cylinder of larger diameter arranged concentrically of said piston cylinder, the space between said cylinders forming a fluid passage to said piston, and means for admitting fluid under pressure from said source to said space at one end of said high voltage insulator.

2,071,966

PICKLING INHIBITOR AND PROCESS

Elmer K. Bolton, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 22, 1936, Serial No. 60,261
6 Claims. (Cl. 148—8)

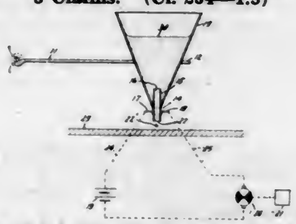
1. In a process of cleaning and pickling metals, the step comprising subjecting the metal to the action of an acid cleaning solution in the presence of a small amount of a substituted thiourea containing a hydrogenated aryl group.

2,071,967

RECORDING INSTRUMENT

Wilhelm Büngner, Berlin-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York

Application August 17, 1936, Serial No. 96,497
In Germany August 19, 1935
3 Claims. (Cl. 234—1.5)



3. A marking arrangement for recording devices comprising in combination a receptacle for marking material, said receptacle having an opening therein, a capillary tube occupying the opening so as to extend into and out from said receptacle, a pair of electrodes in said tube spaced from each other to leave clear passage through said tube, and spaced from the outer end of the tube to provide space for a charge of marking material between said electrodes and the outer end of said tube, and means for intermittently producing spark discharges between said electrodes to vaporize adjacent marking material and expel charges of marking material from said tube.

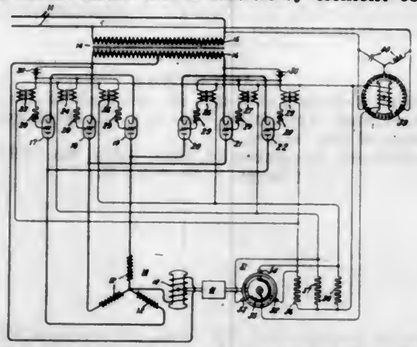
2,071,968

ELECTRIC VALVE CONVERTING SYSTEM

Philip M. Currier, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York

Application December 16, 1933, Serial No. 702,769
3 Claims. (Cl. 172—274)

1. An electric power translating system comprising a source of current, an electric motor, means including a plurality of electric valves interconnecting said source and said motor to transmit energy therebetween, each of said valves being provided with a control electrode, a mechanism comprising a rotating element mounted on the motor shaft and a stationary element con-



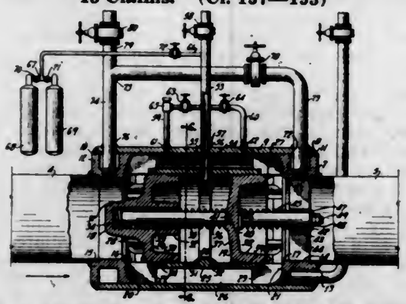
nected to excite the control electrodes of said valves, and means responsive to the speed of said motor for varying the angular phase relation between said rotating element and said motor shaft.

2,071,969

COMBINATION STOP AND CHECK VALVE

Alfred J. Diescher, Winfield, Kans., assignor of one-half to M. L. R. Diescher, Winfield, Kans.

Application May 28, 1934, Serial No. 727,856
15 Claims. (Cl. 137—153)



1. A valve of the character described including a housing having an outlet seat, a cylinder, means supporting the cylinder in the housing in concentric alignment with said seat, a check member slidably mounted in the cylinder and adapted to engage said seat, means connected with the cylinder for injecting a pressure medium to move the check member to seat engaging position to close flow through the valve, means for exhausting said pressure medium to effect unseating of said check member, and means for creating a vacuum in said cylinder to promote substantially immediate unseating of the check member.

2,071,970

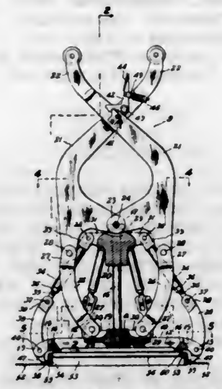
CONTAINER COVER CLOSING MACHINE

Charles T. Draper, Cleveland Heights, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application January 4, 1935, Serial No. 321
7 Claims. (Cl. 113—18)

1. A container cover closing machine including a base, guide means mounted on the base, a cross head slidably mounted on the guide means, operating levers link connected to the base and pivotally connected to the cross head, said levers

having handles thereon, and jaw means mounted on the base and link connected to the cross



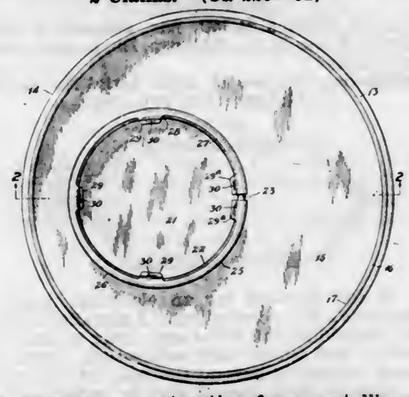
head at places spaced from the pivotal connection of the operating levers with the cross head.

2,071,971

SPLIT-RING BARREL CLOSURE CONSTRUCTION

Charles T. Draper, Cleveland Heights, and Walter C. Grosser, Cleveland, Ohio, assignors to The Draper Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 7, 1935, Serial No. 20,198
2 Claims. (Cl. 220—61)



1. In closure construction for a metallic container, a wall provided with an outturned flange defining an opening for the container, a recessed cover for the container inserted in said opening having a flange lapping said wall flange, a gasket interposed between said flanges, a replaceable contractible channel-shaped split-ring opening radially inward and embracing said flanges, and said split-ring being provided at intervals with bendable means extending downwardly into said cover recess for contracting and holding the split-ring contracted in cover clamping, fastening and sealing relation.

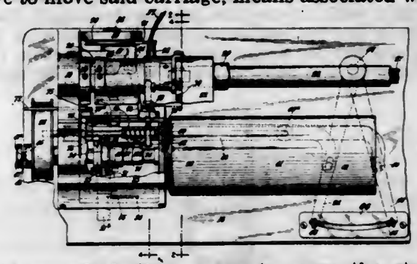
2,071,972

PHONOGRAPH

William F. Feyrer, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York

Application December 31, 1928, Serial No. 329,429
Renewed November 15, 1935
28 Claims. (Cl. 274—17)

14. The combination in a phonograph of a record mandrel, record-ejecting means associated with said mandrel, a carriage movable along said mandrel, a record-engaging stylus on said carriage, means normally tending to move said carriage to its initial position, control means for rendering said carriage-moving means ineffective to move said carriage, means associated with



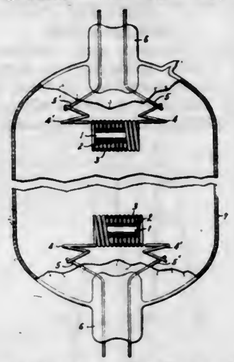
said record-ejecting means to move the stylus out of record-engaging position, means associated with said record-ejecting means to release said control means to permit the carriage to be moved to its initial position, and means for moving said stylus to record-engaging position when a record is positioned on the mandrel.

2,071,973

ELECTRIC GASEOUS DISCHARGE DEVICE

Victor James Francis, Middlesex, England, assignor to General Electric Company, a corporation of New York

Application October 12, 1935, Serial No. 44,795
In Great Britain October 12, 1934
6 Claims. (Cl. 176—126)



1. An electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere, and having electrodes sealed therein, at least one of said electrodes consisting of a thermionic cathode containing a pellet consisting at least in part of an alkaline earth compound, said cathode having a plurality of grid-like layers of refractory metal between said pellet and the discharge path within said device.

2,071,974

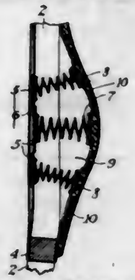
CHAIR BACK

William H. Gunlocke, Wayland, N. Y.

Application March 24, 1936, Serial No. 70,623
4 Claims. (Cl. 155—179)

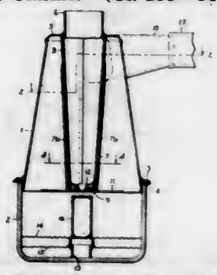
1. A chair construction comprising a seat and a back including corner posts, said corner posts being provided with forwardly projecting portions located somewhat above the seat and having their front edges sharply curved convexly at their cen-

ters considerably above the seat and extending thence in gradual concave curves upwardly and downwardly, filling and covering material stretched over said curved portions and secured to the back, and three transversely arranged series of coil springs located beneath said filling and covering material, the central series of springs being of considerably greater length than the top and bottom series, and the springs in the top and bottom series being flexed away from the springs in the central series whereby the outer



portions of the springs lie substantially in planes tangential to the curved edges of said forwardly projecting portions on the corner posts, affording a spring-supported forward projection sharply curved convexly and located above the seat at a point to engage and support the small of the back of an occupant, the back curving rearwardly in gradual concave curves from said projection both upwardly and downwardly and affording a space therebeneath to receive the lower portion of the occupant's back.

2,071,975
SEPARATOR
Osmund Holm-Hansen and Garnet W. Ruscoe, Stratford, Conn., assignors to General Electric Company, a corporation of New York
Application January 4, 1936, Serial No. 57,596
6 Claims. (Cl. 183—84)



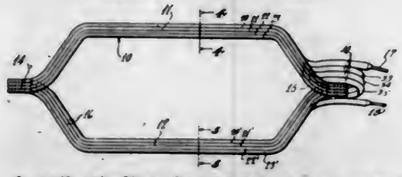
1. In a separator for vacuum cleaners and the like, a casing having an inlet for dust-laden air and a dust receptacle at the lower end thereof, means producing a whirling annulus of air within the casing for centrifugally separating the dust from the air, a foraminous baffle above the bottom of the dust receptacle for preventing whirling of the dust within the receptacle, whereby settling of the dust in the receptacle is facilitated, and a discharge outlet from the casing for the cleaned air comprising a tubular member extending axially within the center of the whirling annulus of air, said member being open at its upper and closed at its lower end and having openings in its side walls exposed to the rapidly whirling air above said baffle and being placed with respect to the direction of the whirling air so that the air entering the openings must turn through an angle of at least 90 degrees.

2,071,976
WRAPPER
Roy E. Hanson, Wauwatosa, Wis., assignor to Milprint Products Corporation, Milwaukee, Wis., a corporation of Delaware
Application April 30, 1934, Serial No. 723,247
6 Claims. (Cl. 229—87)



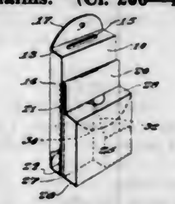
1. A composite display wrapper for a commodity, consisting of an outer complete wrapper having a portion thereof translucent and an inner partial wrapper constituting a bright, light-reflecting foil-like surface disposed beneath a translucent portion of the outer wrapper, said partial wrapper throughout its major portion being substantially free of attachment to the outer wrapper, thereby permitting relative movement of the sheets, and decorative matter applied on one of the sheets in that location where the translucent portion of the outer sheet overlies the light-reflecting surface of said inner sheet, said inner wrapper being secured to said outer wrapper to prevent bodily displacement between the two sheets, so that two opposite edges of said inner wrapper are disposed a substantial distance from the corresponding edges of said outer wrapper.

2,071,977
COIL WINDING FOR DYNAMO-ELECTRIC MACHINES
George H. Herrick, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 10, 1935, Serial No. 44,366
15 Claims. (Cl. 171—206)



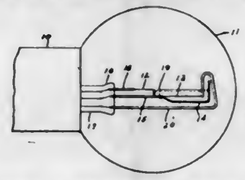
1. A coil winding for an electrical machine, comprising a body consisting of a plurality of complete, individual coil turns and series connections between said turns, said connections being extended outwardly beyond the body of the winding, whereby each thereof may be separately insulated.

2,071,978
PACKAGE AND RECEPTACLE
Francis J. Hines, Belmont, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 18, 1936, Serial No. 59,727
7 Claims. (Cl. 206—46)



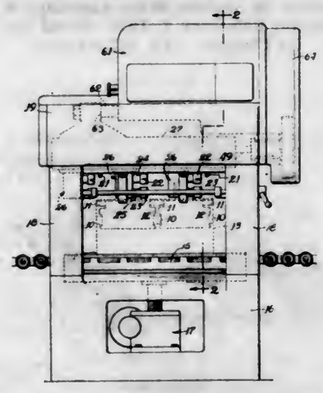
1. A receptacle of folded sheet material, comprising walls connected to form a rectangular compartment having a transverse slit therein and a blank having other walls connected to form a secondary compartment external to the first, one of the latter walls having a flap extending through said slit and into said rectangular compartment and being folded to form a closure for said rectangular compartment.

2,071,979
ELECTRIC INCANDESCENT LAMP
Wilhelm Honing and Gillis Oudemans, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application August 8, 1934, Serial No. 739,039
In Great Britain August 17, 1933
3 Claims. (Cl. 176—26)



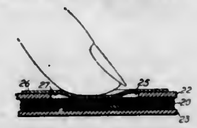
2. An electric incandescent lamp for use in a vehicle headlight comprising a bulb, a filament disposed therein substantially at the longitudinal axis of the lamp, a second filament extending parallel to the said axis but spaced therefrom and displaced forwardly along said axis from said first filament, and a V-sectioned screen or trough extending longitudinally of said lamp and disposed under and surrounding said second filament, said second filament being located wholly within said trough.

2,071,980
MACHINE TOOL
John R. Johnson, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application October 23, 1935, Serial No. 46,303
6 Claims. (Cl. 77—3)



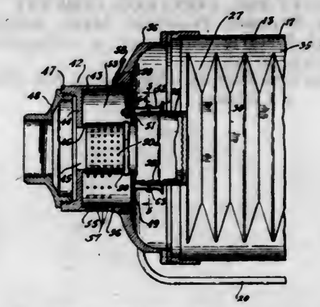
1. A machine for silmultaneously boring the crank and cam shaft bearing recesses in the spaced webs of an engine block comprising, in combination, a plurality of alined cutters for boring the crank shaft recess, a plurality of alined cutters for boring the cam shaft recesses mounted to turn on an axis parallel to said first mentioned cutters, a support extending along the crank case opening of said block, parallel arms projecting from said support and spaced to enter between the adjacent webs upon movement of the support and block toward each other, said arms providing bearing supports for the spindles of the respective crank shaft boring cutters and each having a seat at the free end thereof, a plurality of separately formed tubular members each fitting in one of said seats and providing a bearing for the spindle of one of said cam shaft cutters, and means at opposite ends of each of said members detachably and rigidly holding the member in the seat.

2,071,981
CARBON PACK OR CONTAINER
Harry Landsiedel, Buffalo, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application March 19, 1934, Serial No. 717,014
11 Claims. (Cl. 206—57)



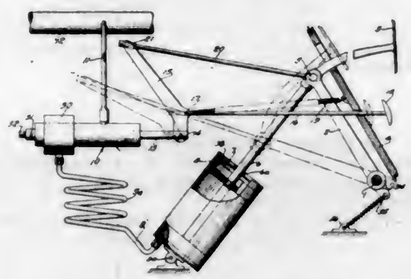
1. A carbon pack comprising a container having a cover, a pack of loosely disposed carbon sheets in said container, an aperture in said cover, a resilient disk mounted over said aperture, and an adhesive applied over the entire under surface of said disk, whereby said adhesive performs the double function of securing the disk to the cover and acting as a pick-up means when pressure is applied to said resilient disk to bring it into contact with the uppermost sheet in the pack.

2,071,982
SUCTION CLEANING APPARATUS
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Original application April 10, 1931, Serial No. 529,136. Divided and this application July 26, 1934, Serial No. 737,053
3 Claims. (Cl. 183—51)



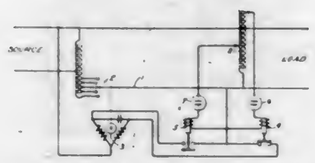
1. In a suction cleaner dust collector, a tubular shell, an air pervious dust receptacle within the shell provided with a tubular neck, a combined shell closure and receptacle connector member mounted on the shell and provided with a tubular air inlet neck within the shell, means attached to the closure member for releasably clamping said tubular necks together, and means on the member accessible exteriorly of the closure member for actuating said clamping means to release said receptacle.

2,071,983
VACUUM POWER CLUTCH
James H. K. McCollum and Henry J. De N. McCollum, Evanston, Ill.
Application January 21, 1932, Serial No. 587,879
Renewed June 19, 1936
13 Claims. (Cl. 192—.01)



1. In a power-operated clutch mechanism for use in motor cars and for similar purposes, a manually operable clutch lever, a cylinder mounted in fixed relation to the pivot of said lever, a piston in said cylinder connected to said lever, a source of fluid pressure substantially different in degree from that of the atmosphere connected to the interior of said cylinder, valve means controlling said connection, and a reciprocating device, other than said clutch lever, under control of the operator for opening and closing said valve, the combination, with said above described apparatus, of means connected to said clutch lever for reversing the movement of said valve at any point intermediate of the limits of its reciprocation after the halting at that point of any limited movement thereof originated through the agency of the operator's said control device, comprising a floating lever to one end of which the stem of said valve is connected, while said clutch lever is connected to the other end, and said operator's control device is connected to an intermediate point in the length of said floating lever.

2,071,984
VOLTAGE CONTROL CIRCUIT
Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 31, 1936, Serial No. 93,601
5 Claims. (Cl. 171—119)



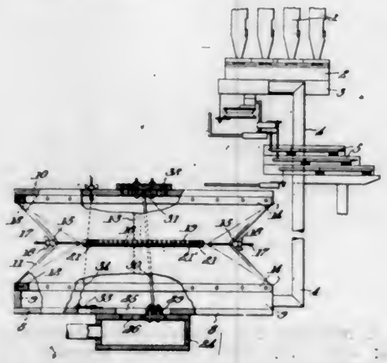
1. In an automatic regulating system, in combination, apparatus having a voltage to be regulated, means for raising and lowering said voltage, a glow discharge tube arranged to stop said means from raising said voltage by breaking down at a predetermined value of said voltage, and another glow discharge tube arranged to start said means lowering the voltage of said circuit by breaking down at a higher voltage than the voltage at which the first glow discharge tube breaks down.

2,071,985
INTERCHANGEABLE FOUNTAIN MARKING PEN
Henry Oelbaum, Cranston, R. I., assignor to Harold Hassenfeld, Providence, R. I.
Application July 24, 1936, Serial No. 92,281
5 Claims. (Cl. 120—111)



1. An interchangeable fountain marking pen comprising an outer casing consisting of a strip of stiff material having a pair of spaced arms joined at the bottom ends with a transverse curved portion formed with slits for the passage of ink or paint, the upper portion of said arms being longitudinally curved forming a tubular double split shank, and a corrugated strip of stiff material between said arms and having its upper edge portions longitudinally curved forming a tubular single split shank disposed within said shank for frictional association, when the sections of the outer shank are forced together into a pen holder.

2,071,986
BELLOWS
George M. Quave, West Asheville, N. C.
Application February 7, 1936, Serial No. 62,859
4 Claims. (Cl. 137—156.5)

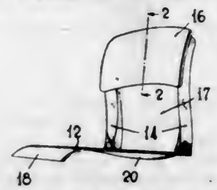


1. A bellows comprising a pair of opposed rigid walls, a wall of flexible material connected between said walls, a pair of rods engaging opposite sides of the flexible wall along the medial lines thereof, and spring means urging said rods towards each other to collapse said bellows.

2,071,987
SILICIC ACID GELS
Earl S. Ridler, Shaker Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1933, Serial No. 700,622
3 Claims. (Cl. 23—182)

1. In a process of producing unitary particles of porous silicic acid gel the steps of forming a silicic acid hydrosol, setting this sol to a hydrogel, mixing this hydrogel with a finely divided alkaline earth metal carbonate, breaking up the mixture into individual particles, drying said particles and extracting the alkaline earth metal carbonate therefrom by means of an acid which forms a water soluble salt with said alkaline earth metal carbonate.

2,071,988
COMFORT CHAIR
Carl Sasse, Lauenau, Germany
Application March 29, 1935, Serial No. 13,773
In Switzerland April 3, 1934
2 Claims. (Cl. 155—178)



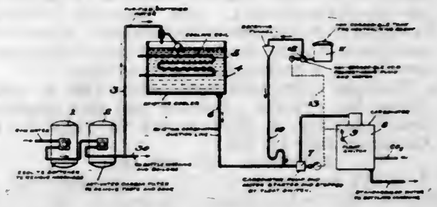
2. In a shaped chair, a rigid seat portion, a rigid back rest, and uprights rigidly supporting the back rest in spaced relation above one edge of the seat portion, the surface of said back rest being convex vertically and concave horizontally, the apex of convexity occurring in the lower fourth of the back rest, the height of the top edge of said back rest above said seat being somewhat less than the height of an ordinary person's arms above the seat, the vertical dimension of the space between the back rest and the seat being approximately equal to the vertical dimension of the back rest.

2,071,989
INHIBITOR FOR PICKLING AND CLEANING SOLUTIONS
Myron F. Thomas, Chicago, Ill., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 16, 1934, Serial No. 711,548
18 Claims. (Cl. 148—8)

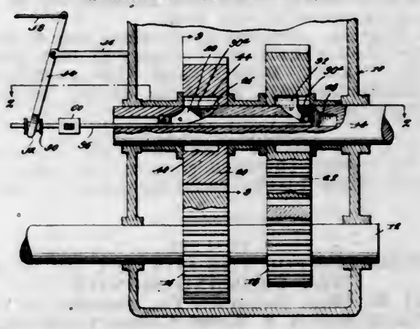
5. An acid cleaning or pickling solution containing an inhibitor of the group consisting of grain steep water, sulfurized grain steep water, and thiosulfate treated grain steep water.

2,071,990
STANDARDIZING WATER FOR CARBONATED BEVERAGES
Howard L. Tiger, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application December 26, 1934, Serial No. 759,309
8 Claims. (Cl. 99—28)

1. In the preparation of carbonated beverages from water containing carbonate basicity, a process which comprises standardizing the water prior to carbonation by adding continuously thereto a dilute beverage acid in a regulated amount sufficient to neutralize a portion but not all of the carbonate basicity of the water and to leave a residual apparent basicity maintaining the beverage flavor.

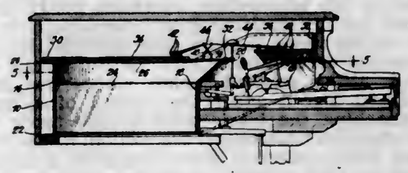


2,071,991
CLUTCH MECHANISM
Spiros S. Varkas, New York, N. Y.
Application September 29, 1931, Serial No. 565,835
2 Claims. (Cl. 192—71)



1. In a clutch of the class described, a shaft having a socket, a movable motion transmitting key in said socket, said socket having ribs on opposite sides at its mouth and the key being provided with a cross pin engageable with the ribs to limit protrusion of the key, a rotary member on said shaft and having an arcuate recess for registration with said socket, said rotary member being provided with a pair of slots at the ends of said arcuate recess, said slots being adapted for the reception of said key, and a positioning device for said key.

2,071,992
PIANOFORTE
William Braid White, Chicago, Ill., and Frederick T. Llewellyn, Newark, N. J., assignors to United States Steel Corporation, New York, N. Y., a corporation of New Jersey
Application June 15, 1935, Serial No. 26,854
19 Claims. (Cl. 84—184)



1. A pianoforte including a string supporting structure of ferrous metal and a ferrous metallic amplifier plate integrally united thereto.

2,071,993

TRIMETHINE CYANINE DYES

Walter Zeh, Dessau in Anhalt, Willi Gaedke, Hofheim in Taunus, Martin Dabelow, Frankfort-on-the-Main-Hochst, and Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Original application July 8, 1932, Serial No. 621,474. Divided and this application February 19, 1934, Serial No. 712,072. In Germany July 11, 1931

3 Claims. (Cl. 260—44)

2. A dye selected from the group consisting of bis-{3-alkyl-[carbazolo : thiazole]-(2)}-trimethine-cyanine salts and bis-{3-alkyl-[carbazolo : selenazole]-(2) trimethine-cyanine salts.

2,071,994

THIAZOLE TRIMETHINE CYANINES

Walter Zeh, Dessau, Willi Gaedke, Hofheim in Taunus, Martin Dabelow, Frankfort-on-the-Main-Hochst, and Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Original applications July 8, 1932, Serial No. 621,474, and February 19, 1934, Serial No. 712,072. Divided and this application October 30, 1935, Serial No. 47,506. In Germany July 11, 1931.

3 Claims. (Cl. 260—44)

1. A dye selected from the group consisting of bis-{3-alkyl-[fluoreno, chryseno and acenaphtheno-thiazole]-(2)- -trimethinecyanine salts.

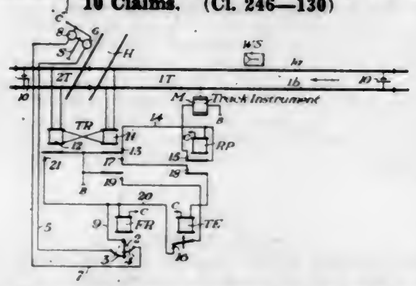
2,071,995

APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS

Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application June 13, 1936, Serial No. 85,118

10 Claims. (Cl. 246—130)



1. In combination, a stretch of railway track intersected by a highway and formed into a track section, a track circuit for said section including a track relay, a highway crossing signal located at the intersection, operating means controlled by the track relay to cause operation of the signal when a train approaching the intersection enters the section, control means located at a selected point along the section and placed under the control of a train approaching the intersection by the track relay when the train enters the section, a time element device effective when energized a predetermined time interval to render said operating means ineffective to operate the signal, means controlled by the track relay to energize said time element device when a train enters the section, and means governed by said control means to deenergize said time element device when a train approaching the intersection reaches said selected point.

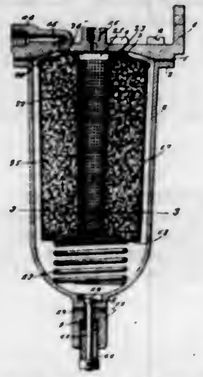
2,071,996

OIL FILTER

Jesse A. Baldwin, Spooner, Wis.

Application April 13, 1936, Serial No. 74,202

4 Claims. (Cl. 210—131)



1. A filter comprising a substantially cylindrical casing, a head operatively secured thereto, the head having inlet and outlet passages therethrough and an annular groove located between said inlet and outlet passages, a filter element in the casing arranged in the path of flow between the inlet and outlet passages, the filter element including an upper cap having an annular offset and a downwardly sloped peripheral portion, means including said sloped cap portion for causing the entering fluid to be filtered to impinge against the inner wall of the casing at a forwarding angle, and spring means arranged between the casing and the filter element and operative to yieldingly maintain the offset of the cap seated in the head groove.

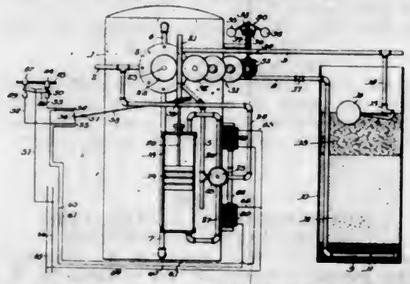
2,071,997

WATER SOFTENING APPARATUS

Francis Norwood Bard, Highland Park, Ill., assignor, by mesne assignments, to The Permutit Company (1934), Wilmington, Del., a corporation of Delaware

Application July 6, 1931, Serial No. 548,744

11 Claims. (Cl. 210—24)



1. In a water softening apparatus comprising in combination a container for water softening material, supply conduits for water and regenerating solution, delivery conduits for soft water and waste liquids, different supply and delivery conduits adapted to be connected with opposite ends of the container and a multiport rotary valve adapted upon being rotated slowly and continuously to control the connections of the container with said conduits for stages of regenerating, rinsing and softening, means for operating the valve comprising a power cylinder having a working piston therein operatively connected with said valve and adapted during one stroke of the piston to turn said valve from the softening position through the several regenerating positions and back to softening position, means for supplying fluid under pressure to said cylinder, a starting valve controlling said means, speed increasing mechanism adapted to be put in motion by the rotation of the valve and governing means driven by said speed increasing mechanism and restraining the speed of rotation of the valve to a slow steady rate providing predetermined periods of time for said regenerating and rinsing stages.

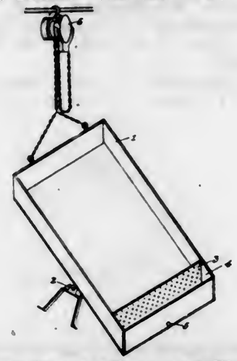
2,071,998

SEPARATION OF LIQUIDS FROM SOLIDS

Otto H. Buse, Shaker Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application March 2, 1932, Serial No. 596,231

1 Claim. (Cl. 210—149)



In a process of separating crystallized Glauber salt from mother liquor by gravitational forces, the steps comprising spreading a mixture of Glauber salt and mother liquor in a substantially horizontal layer, allowing said mother liquor to drain thru a part of the support for said layer, which part is permeable to said liquid, to form a cake, then without removing said cake from its support, tilting said support around an axis in a horizontal plane so that the permeable part of said support is placed into a position lower than the non-permeable part of said support, thereby placing said cake in an inclined position and at an angle of about 45 degrees with the horizontal and creating an additional head on the part of the cake in contact with the permeable part of said support, and allowing remaining liquid further to drain from said cake.

2,071,999

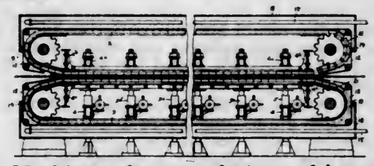
CONTINUOUS PRESS FOR PRODUCTION OF BOARD-LIKE PRODUCTS

Theodore Williams Dike, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

Application March 17, 1934, Serial No. 716,122

15 Claims. (Cl. 144—279)

1. Machinery of the character described, which comprises cooperating pressure-belts, means for driving said belts, means for supporting said belts, a series of hydraulic rams for applying pressure to said belts, and means for controlling said rams by groups.



11. Machinery for manufacture of board-like material, which comprises pressure-belt conveyor means, means for driving the same, heat-storing units on said pressure-belt conveyor means, a heat-applying means for suppling heat to said heat-storing units, said heat-applying means being in operative relation to said heat-storing units only outside of the pressure zone, fluid-pressure means for applying pressure without interfering with the movement of said pressure belt conveyor means, and means for supplying and releasing fluid pressure for said fluid-pressure means.

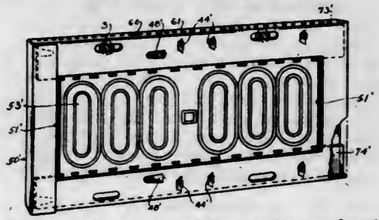
2,072,000

LOCKED LICENSE TAG

Charles L. Fortinberry, Washington, D. C., assignor to The Fortinberry Company, Inc., Washington, D. C., a corporation of Delaware

Application September 24, 1934, Serial No. 745,357

15 Claims. (Cl. 40—125)



7. A license tag comprising a frame having a substantially rectangular display window and having channels on opposite sides of said window, said channels and plate having co-operating means for locking the plate in a predetermined display position in said frame, the exposed part of said plate being weakened along lines adjacent opposite sides of said window and having end edges located within said window adjacent opposite ends thereof.

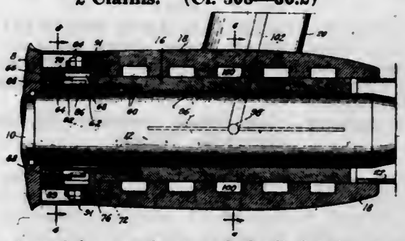
2,072,001

PROPELLER SHAFT LUBRICATING APPARATUS

Harold A. Guthans, Mobile, Ala.

Application July 21, 1933, Serial No. 681,582

2 Claims. (Cl. 308—36.2)



1. A seal for a submerged shaft, having a casing, a bearing sleeve mounted therein, said bear-

ing sleeve having a recessed packing chamber at one end, a packing wholly enclosed in said chamber, a gland having one end slidable in the chamber and engaging said packing, a chambered casing bolted to the bearing sleeve and wholly enclosing the gland and circumferentially spaced springs interposed between one end of said chambered casing and said gland for yieldingly pressing the latter against said packing, said casing carrying longitudinally extending circumferentially spaced guide pins for said springs and having longitudinally extending grooves and said gland having lugs making a sliding fit therewith.

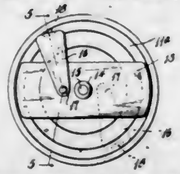
2,072,002

CAN PUNCTURING AND CLOSING MEANS

Philip Kmetko and Anthony Krcek, McKeesport, Pa.

Application July 17, 1936, Serial No. 91,187

10 Claims. (Cl. 220—51)



1. Can puncturing and closing means of the character described comprising in combination with a can, a plate rotatable on one end of the can, a puncturing arm pivoted at one end on the plate at one side of the transverse center line thereof, a puncturing prong depending from the outer end of the arm, said arm being of a length to present the prong in overhanging relation to the end of the can, to occupy a position adjacent the side of the can when out of use, the plate and arm being movable relative to the can for the puncturing of the can by the arm and the closing of the openings by the plate.

2,072,003

CONDENSATION PRODUCT OF CINCHONA BARK ALKALOID

George Lutz, Rocky River, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 23, 1933, Serial No. 703,843

18 Claims. (Cl. 148—8)

6. A composition of matter comprising the condensation product of a material from the group consisting of cinchona bark alkaloids and sulfurized cinchona bark alkaloids, with a material from the group consisting of aldehydes and ketones.

2,072,004

CINCHONA BARK ALKALOID DERIVATIVE

George Lutz, Rocky River, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 23, 1933, Serial No. 703,844

18 Claims. (Cl. 148—8)

9. A composition of matter comprising a cinchona bark alkaloid derivative selected from the group consisting of reaction products of cinchona bark alkaloids with concentrated carboxylic acids and sulfurization products of the said reaction products.

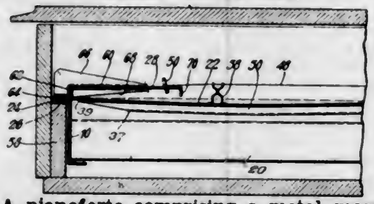
2,072,005

PIANOFORTE CONSTRUCTION

Milton Male, New York, N. Y., assignor to United States Steel Corporation, New York, N. Y., a corporation of New Jersey

Application July 25, 1935, Serial No. 33,159

8 Claims. (Cl. 84—184)



1. A pianoforte comprising a metal marginal frame, a metal amplifier plate secured thereto, the frame including a front cross member, a tuning pin plate spaced forwardly and upwardly from the cross member, and torsion braces of thin rolled metal secured to the latter and crossing the plane of said amplifier plate and supporting said tuning pin plate.

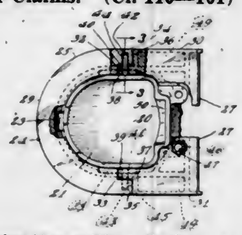
2,072,006

FIRING TABLE

Guy M. Myers, Washington, D. C., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware

Application December 21, 1932, Serial No. 648,143

14 Claims. (Cl. 110—101)



1. In combination with a firebox, a conduit for delivering fuel to said firebox comprising an upwardly extending portion terminating in a fuel delivery opening, a firing table embracing the upper end of said upwardly extending portion and partially surrounding said fuel delivery opening, said firing table including a substantially U-shaped forward section and a rearward section contacting each end of said U-shaped section, said sections at each of their contacting end portions having recesses and shoulders formed therewith arranged to permit interfitting of said sections and means associated with each pair of the contacting end portions of said sections for securing said sections together comprising pin means extending into the shoulders at each pair of the contacting end portions of said sections.

2,072,007

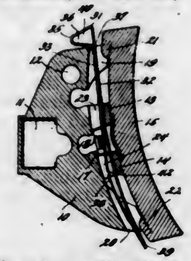
BRAKE SHOE KEY

John A. McGrew, Albany, N. Y.

Application June 21, 1935, Serial No. 27,803

17 Claims. (Cl. 188—243)

1. In combination with a brake shoe and a brake head having interfitting lugs with substantially aligned apertures therein, fastening means for securing said shoe to said head comprising a key passing through said apertures and wedgingly engaging said lugs, said key being provided with a plurality of compressible portions spaced longitudinally of the key which cooperate



with each other to resiliently resist impacts between said head and shoe.

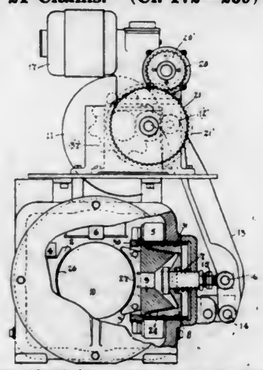
2,072,008

ADJUSTABLE SPEED ELECTRIC MOTOR

Lloyd E. Miller, Cleveland Heights, Ohio, assignor to The Reliance Electric & Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application February 7, 1935, Serial No. 5,436

21 Claims. (Cl. 172—239)



20. In an electric motor, means for smoothly varying the speed without step-wise changes, including a reciprocable pole element, an actuator for operating said pole element, and time-controlled means for optionally operating said actuator.

2,072,009

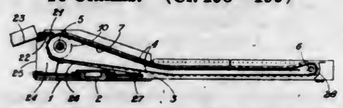
LOADING MACHINE FOR MINES

Matthew Smith Moore, Malvern, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England, a British company

Application July 27, 1935, Serial No. 33,601

In Great Britain August 7, 1934

10 Claims. (Cl. 198—199)



1. In a loading machine for mines, the combination of a machine frame, a conveyor extending transversely of said frame, said conveyor comprising an endless belt and slats extending across said belt, and means co-operating with said slats for preventing the accumulation of dust between the return side of said belt and said machine frame, said means comprising a throw-off plate substantially tangential to the delivery end of said conveyor, and an inclined dust shield under the return side of said conveyor.

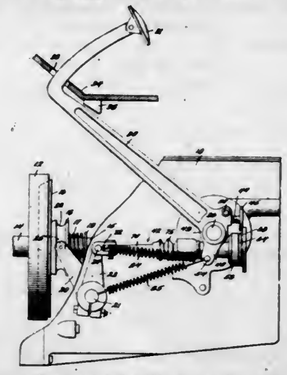
2,072,010

AUTOMATIC ADJUSTING DEVICE

Alfred Moorhouse, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application November 17, 1931, Serial No. 575,668

7 Claims. (Cl. 192—111)



1. In a motor vehicle, the combination with a clutch having a relatively fixed portion and a disengageable movable portion, of an operating member for said clutch having a prescribed range of movement, connections between said operating member and the movable portion of said clutch, and means associated with said connections for automatically altering the range of movement of the movable portion of said clutch to compensate for clutch wear, said means including an extensible tension element forming part of said connections, auxiliary clutch means preventing extension of said tension element, and means carried by said operating member and engaging said auxiliary clutch means to release the latter when the operating member is released.

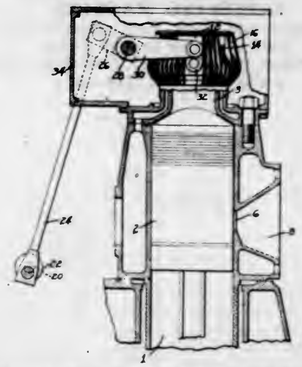
2,072,011

INTERNAL COMBUSTION ENGINE

George F. Noltein, Springfield, Ohio, assignor to The National Supply Company of Delaware, Toledo, Ohio, a corporation of Delaware

Application January 18, 1935, Serial No. 2,382

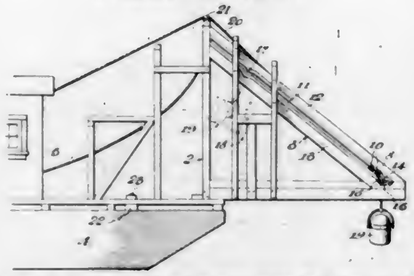
8 Claims. (Cl. 123—65)



1. An internal combustion engine having a cylinder, a hollow head on the cylinder forming a combustion chamber in communication with the firing end of the cylinder, said head having an air admission port to said combustion chamber, means enclosing said head for forming a cham-

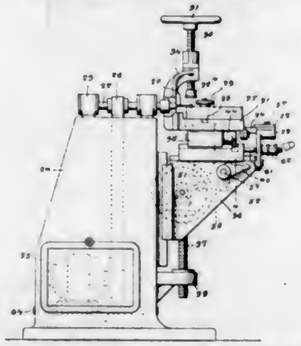
ber for air under pressure, a valve outside of said port and exposed to said air chamber, and means to reciprocate said valve to periodically uncover said port.

2,072,012
DREDGING APPARATUS
Charles Sanders, North Vancouver, British Columbia, Canada
Application May 6, 1935, Serial No. 20,076
In Canada May 7, 1934
2 Claims. (Cl. 37—71)



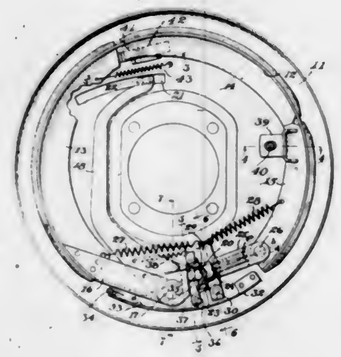
1. The method of dredging with floating equipment that includes a float having a boom extending beyond the float, an inclined trackway from the front end of the boom to a place above the float, a carriage movable along said trackway, a bucket and a single bucket-carrying cable cooperating with said carriage; said method consisting, first, in so operating the cable and carriage as to lower the bucket adjacent the float while holding the carriage against lowering; second, causing the carriage to move to the extreme lower end of the trackway; third, retaining the carriage there while hauling in on the cable to drag the bucket along the bottom from a place adjacent the float to a place adjacent the outer end of the boom; fourth, raising the bucket to the boom and releasing the carriage and moving the carriage and bucket backwardly and upwardly together toward the top of the trackway to a place for dumping; and, fifth, slacking the cable and dumping the bucket and preparing the bucket to be again lowered, thereby completing a cycle of operation substantially as described.

2,072,013
DOWELING MACHINE
Claude Shaw and Jack Best, Bristol, Va.; said Best assignor to said Shaw
Application June 18, 1935, Serial No. 27,262
4 Claims. (Cl. 144—87)



4. A machine for forming dowel sockets progressively enlarged towards their bottoms from a circular to an oval shape comprising a rotary bit having terminal cutting teeth and a shank from which the teeth extend radially, a spindle carrying and rotating the bit, a work holding table, a support for the work holding table on which the latter is mounted for movement toward and from the bit axially of the same and also laterally of the bit, and cooperating guide members carried by the table and support respectively to preclude movement of the table laterally of the bit in one position on the support but to permit such movement of the table, in another position on the support, a distance equal twice the radial extent of the bit teeth over the shank thereof.

2,072,014
AUTOMATIC BRAKE ADJUSTING MECHANISM
George L. Smith, Rockford, Ill., assignor, by mesne assignments, to Thermo Brakes Corporation, Washington, D. C., a corporation of Virginia
Application September 12, 1931, Serial No. 562,550
31 Claims. (Cl. 188—79.5)



1. In combination, an automatically adjustable brake, and means responsive to the temperature of the brake controlling the adjustment thereof.

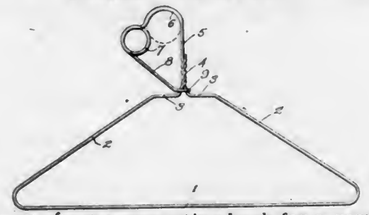
2,072,015
PROCESS FOR THE TREATMENT OF UNSATURATED HALIDES
Miroslav W. Tamele and Herbert Peter Augustus Groll, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 4, 1932, Serial No. 636,176
9 Claims. (Cl. 260—156)

1. A process for the production of unsaturated alcohols from allyl type unsaturated halides which comprises reacting an allyl type unsaturated halide containing at least four carbon atoms to the molecule with more than an equivalent quantity of a basic metal compound, in the presence of at least an equivalent amount of water at a temperature of from about 80° C to about 250° C. and at a superatmospheric pressure at least equal to the combined vapor pressures of the constituents of the reaction mixture at the operating temperature.

2,072,016
PROCESS FOR THE PRODUCTION OF ALLYL ALCOHOL
Miroslav W. Tamele, Oakland, and Herbert P. A. Groll, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 21, 1936, Serial No. 75,550
15 Claims. (Cl. 260—156)

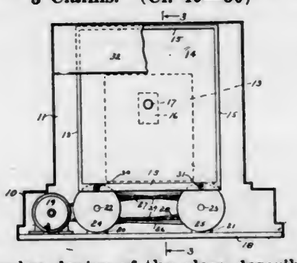
1. A process for the production of allyl alcohol which comprises reacting allyl chloride with at least an equivalent quantity of a basic-acting agent which is incapable of being alkenylated to any substantial extent by direct reaction with the allyl chloride under conditions at which the allyl chloride is hydrolyzed, in the presence of a substantial amount of water at a temperature greater than 80° C. but below the temperature at which substantial polymerization of the allyl alcohol occurs.

2,072,017
CLOTHES HANGER
Stanley Wisneski, Cloquet, Minn.
Application June 12, 1934, Serial No. 730,331
1 Claim. (Cl. 24—237)



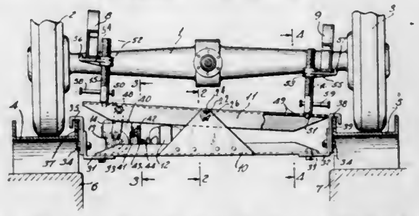
A resilient wire supporting hook for a garment hanger, comprising a shank having its lower end secured to the hanger, an arched portion formed on the upper end of the shank to receive supporting means such as a rod for the hanger, a coil formed on the arched portion and spaced laterally from the shank, said coil having its inner portion extended toward the shank to cooperate therewith for providing a restricted passage between the same to bind the rod within the arched portion, an arm having one end formed on the coil and extending at a downward inclination toward the shank, and a hook on the lower end of the arm to be detachably received by the shank at the lower end of the latter.

2,072,018
ILLUSORY DISPLAY DEVICE
Marselius T. Ashe, Garden City, N. Y., assignor to Barron Collier, New York, N. Y.
Application July 15, 1935, Serial No. 31,400
3 Claims. (Cl. 40—30)



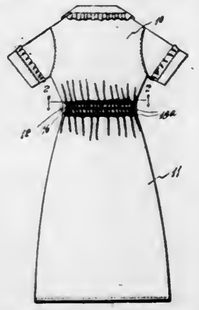
1. A display device of the class described comprising a relatively deep frame having its inner edges flared outwardly from the opening; a transparent sheet movably mounted in said frame and adapted to have articles displayed thereon; two holes formed adjacent to one edge of said sheet; a pair of crank discs mounted within the frames; the crank pins of said discs engaged in the holes in the sheet; and means for rotating said discs in unison so as to impart a translational movement to the sheet and to any article displayed thereon.

2,072,019
AUTOMOBILE ROCKING DEVICE
Raphael Atti, Union City, and Daniel J. Hayes, Newark, N. J., assignors, by mesne assignments, to said Daniel J. Hayes
Application October 26, 1933, Serial No. 695,252
6 Claims. (Cl. 73—51)



3. The combination with a pair of wheel supporting side rails for the wheels of a car or the like, of a car rocking device comprising a base, means for slidably connecting the ends of said base to said side rails, a beam pivotally connected at its middle to said base to be rocked relative to said support and base, said beam extending transversely of the car to be rocked and having engaging means at its ends for engaging the sides of the chassis of the car resting on said support, means for rocking said beam mounted on said base, and means for drivingly connecting said rocking means with said beam.

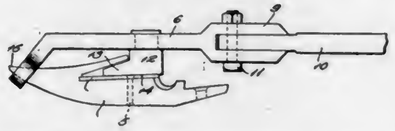
2,072,020
GARMENT
Daniel W. Barmon, Buffalo, N. Y.
Application September 25, 1935, Serial No. 42,100
1 Claim. (Cl. 2—74)



In a dress of the character described having waist and skirt portions, overlapping panels at the front of the dress substantially extending from side to side, means at the waist line for holding the said panels in overlapped position, a plurality of circumferentially extending vertically spaced elastic cords secured to the waist line of the dress by cover stitching and holding the stitched portion of the waist line in a gathered condition, said gathered portion and the means

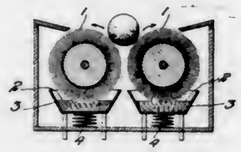
for holding the front panels in overlapped relation being circumferentially aligned and said gathered portion being spaced from the overlapping front panels.

2,072,021
LEDGER PLATE ANVIL
Lewis P. Boyer, Butte, Mont.
Application October 23, 1935, Serial No. 46,448
1 Claim. (Cl. 78—6)



A ledger plate anvil comprising a flat elongated bar, an anvil block fixed to said bar intermediate thereof and having a flat work supporting face and also a horn directed forwardly thereof, an angularly bent end on said bar next to the horn, the angular disposition of said end being reversely to the horn, and an eye formed on said angularly disposed extension for the insertion of a tip of a guide finger having a ledger plate when at rest upon said anvil block and a kerf of said guide finger receiving said horn.

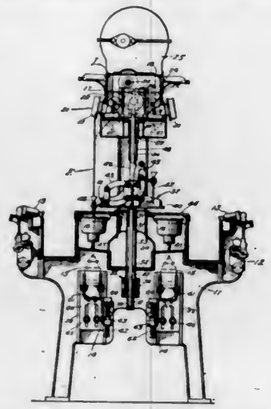
2,072,022
METHOD OF COLORING FRUITS AND VEGETABLES
James Jefferson Rucker Bristow, Safety Harbor, Fla., assignor to Consumer Package Corporation, Dunedin, Fla., a corporation of Florida
Application February 5, 1935, Serial No. 5,010
2 Claims. (Cl. 99—103)



1. Method of improving the appearance of citrus fruit which comprises mixing a coloring matter soluble in the natural wax present in the peel of the fruit with a dry solid carrier, applying the mixture to the surface of the fruit, and subjecting the fruit to a temperature between 130° F. and 180° F. until the color is absorbed by the natural wax of the fruit.

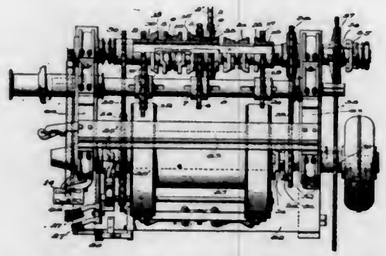
2,072,023
RAYON SPINNING MACHINE
Harry W. Butterworth, Jr., Philadelphia, and John Joseph Sippel, Upper Darby, Pa., assignors to H. W. Butterworth & Sons Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 18, 1933, Serial No. 671,732
12 Claims. (Cl. 18—8)

11. In a rayon spinning machine of the pot-spinning type, a section comprising a plurality of pots arranged in two rows, traverse mechanism comprising a single vertically reciprocable member arranged between said rows of pots, means to reciprocate said member comprising a rotary element, a rigid bar rigidly connected to the reciprocable member, a cross-head carried by the upper end of the bar and a slide mounted in the cross-head and engaged by said rotary element,



and a distributor for each pot carried by said member.

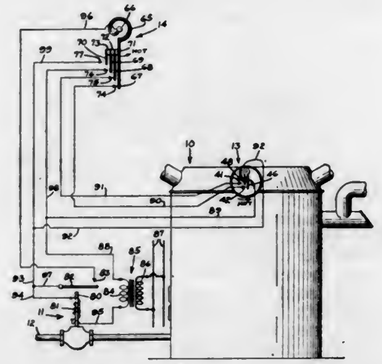
2,072,024
DRAWWORKS
George E. Campbell, Chattanooga, Tenn., assignor to The Wheland Company, Chattanooga, Tenn., a corporation of Tennessee
Application April 15, 1935, Serial No. 16,522
11 Claims. (Cl. 255—19)



1. In a drawworks, the combination of a jack-shaft, a line-shaft, means mounting said shafts, a driving gear loosely mounted on the jack-shaft, clutch means on one side of said driving gear for connecting the driving gear directly with the jack-shaft, gearing on the opposite side of said driving gear from the clutch means and connecting the driving gear with the line-shaft for driving the line-shaft therefrom, a gear loosely mounted on the jack-shaft and geared to the line-shaft to be driven thereby, and clutch means connecting said last-mentioned gear with the jack-shaft for selectively driving the jack-shaft from the line-shaft.

2,072,025
TEMPERATURE CONTROLLING SYSTEM
Thomas F. Campbell, Penn Township, Allegheny County, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 7, 1934, Serial No. 724,400
3 Claims. (Cl. 236—9)

1. In a temperature changing system, in combination, a thermal element; first and second switches sequentially closed thereby upon a change in one direction only of the temperature to which said element responds; a temperature changer; electromagnetic means associated therewith for operating the temperature changer at maximum or minimum capacity when the electromagnetic means is respectively energized or deenergized; a holding switch closed by said electromagnetic means when energized, third and fourth switches sequentially closed upon a predetermined lowering in the heat content of said



temperature changer and independent of the actual value of the heat content; an energizing circuit for said electromagnetic means including said second and fourth switches in series; and a holding circuit for said electromagnetic means including said first, third and holding switches in series.

2,072,026
CLOSURE FOR CONTAINERS
Hunter P. Cline, Otterville, Mo.
Application January 24, 1936, Serial No. 60,731
4 Claims. (Cl. 221—60)



1. A dispensing device for a container, comprising a body having a dispensing bore for communication with the container for the passage of the contents of the latter therethrough, a valve to control said bore and a cover for the outlet end of the bore and actuated to open and closed positions by like movement of the valve.

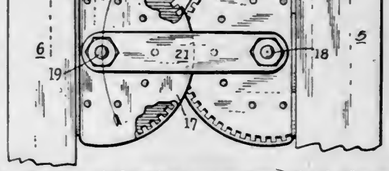
2,072,027
TRAIN ORDER HOLDER
Lawrence W. Compton, Boardman, Oreg.
Application January 9, 1936, Serial No. 58,368
7 Claims. (Cl. 258—2)

1. A device of the class described to releasably hold hoops having a retaining groove, a staff on which a hoop is disposable having a groove, a section slidable on the staff and having a projection entering said grooves, said section having



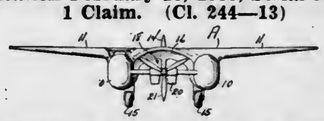
a displaceable part to permit release of the uppermost hoop.

2,072,028
HINGE
Leroy T. Cooper, Los Olivos, Calif.
Application March 23, 1936, Serial No. 70,524
1 Claim. (Cl. 16—163)



In a device of the character described, the combination with a pair of gears, each of said gears having a single flange extending beyond the teeth of the gears, the gears being so arranged that the flange of one gear overlies the edge of the abutting gear and the flange of the abutting gear underlies the first mentioned gear, means for connecting said gears one to the other to maintain their teeth in operating relation, and means for supporting said gears on a support and gate, whereby said gate will move in relation to said gate support.

2,072,029
AEROPLANE CONSTRUCTION
William F. Crowe, Los Angeles, Calif.
Application February 16, 1935, Serial No. 6,901
1 Claim. (Cl. 244—13)



An aeroplane construction comprising two spaced parallel cabins tapering from their nose to their tail ends, spacer plates between the cabins at the nose and tail ends thereof and intermediate said nose and tail ends, propulsion means supported by the foremost plate, elevators on the rearmost plate, a rudder for the aeroplane at the rearmost plate, a wing over the cabins at the fore end of the aeroplane, a hood to which the

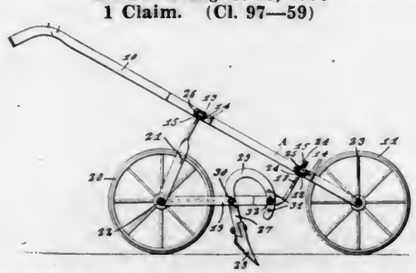
wing is centrally secured and having an inner arched wall gradually decreasing in width and depth from the front to the rear end thereof, the rear end of said hood being disposed above the intermediate spacer plate, and a speed arrester pivoted between the cabins and at rest upon said intermediate plate.

2,072,030
COMBINED RAINCOAT AND POCKETBOOK
Wilbur Thomas Damron, Roanoke, Va.
Application April 30, 1936, Serial No. 77,259
4 Claims. (Cl. 2—87)



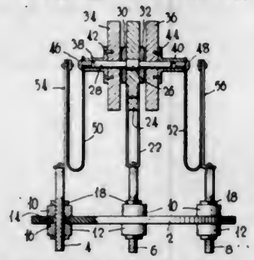
1. An article of wearing apparel having pockets, one pocket carrying one set of slide fasteners and the other carrying the cooperating set of slide fasteners, said sets being disposed around the entire peripheral edges of the pockets, said sets of fasteners being engaged when a carrying bag is formed, the remainder of the garment being folded and secured between the pockets when the fasteners are so engaged.

2,072,031
WHEELED GARDENING IMPLEMENT
Bethel B. Downing, Mayo, Fla.
Application January 7, 1935, Serial No. 773
Renewed August 13, 1936
1 Claim. (Cl. 97—59)



A wheeled hand implement comprising a pair of forwardly inclined converging hand bars, cross pieces between the bars in spaced front and rear relation to each other, yokes supported by the pieces, a fork member fitted for support between each cross piece and its cooperating yoke, the front fork having means to provide an adjustable connection, a wheel journaled between the converged ends of the handle bars, an axle connecting the free ends of the yokes and upon which is journaled a second wheel, and a ground working tool standard having two-point connection with the front fork, one of the connections for the standard permitting angular adjustment thereof.

2,072,032
WATER HEATER
Bernard L. Elam, Richmond, Va., assignor to Elam Electric Systems, Inc., a corporation of Virginia
Application August 19, 1936, Serial No. 96,880
6 Claims. (Cl. 219—40)



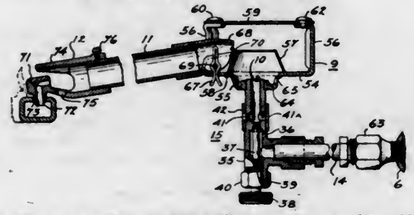
6. In an electric water heating apparatus of the type in which the water itself serves as the resistance, a stationary plate electrode, at least one movable plate electrode disposed on one side of said stationary plate electrode, mechanism responsive to changes in temperature for moving said movable plate electrode toward and away from said stationary plate electrode in accordance with the temperature of the water as it is heated, heating of the water causing movement of said movable plate electrode away from said stationary plate electrode, said mechanism having one portion connected to the outer surface of said movable plate electrode and another portion connected to a stationary member, and means to guide the movement of said movable plate electrode to keep the surfaces of the plate electrodes parallel at all times, said last mentioned means comprising an axle passing through a centrally disposed aperture in one of said plate electrodes and having a sliding connection therewith and having a rigid connection with said other plate electrode, and means for connecting said plate electrodes to a source of current.

2,072,033
CENTRIFUGAL PUMP
Christian L. Frohnert, South Brownsville, Pa.
Application September 15, 1934, Serial No. 744,243
1 Claim. (Cl. 103—108)



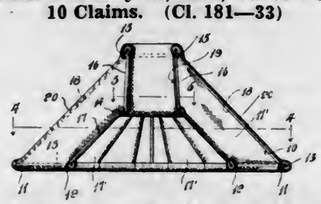
In a centrifugal pump including a hollow casing, a plurality of spaced disks in said casing dividing said casing into a plurality of compartments, each of said disks having one side thereof concave and the other side substantially flat and being provided with a centrally disposed aperture therein, a shaft extending through the aperture of said disks and being rotatably mounted in said casing, a plurality of impellers fixedly secured to said shaft, each impeller cooperating with one of said disks, said impellers being of concavo-convex shape and having on the concave side thereof integral arcuate shaped spaced ribs, said ribs having one lateral edge free and terminating in a plane perpendicular to the shaft on which the impellers are secured, said free edges of each impeller being spacedly disposed adjacent the corresponding cooperating disk, the thickness of said ribs decreasing from the periphery of said impellers gradually toward the center thereof, the upper surface of said ribs being substantially flat and the lower portion thereof arcuate in axial section.

2,072,034
GAS RANGE LIGHTER AND CONTROL
Louis H. Geurink and William A. Schulte, East Cleveland, Ohio, assignors to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application May 16, 1932, Serial No. 611,586
15 Claims. (Cl. 158—115)



1. In a gas burning appliance, in combination, a plurality of main burners having flame supporting ports, a continuously operating pilot burner, an open-ended gas conducting flash tube for each of said main burners having one end in communicating relation with a port of said main burner and the other end adjacent to the flame of said pilot burner, a member having a series of circumferentially arranged closely spaced holes for supporting the ends of said tubes adjacent to said pilot burner, and a pin pivotally secured to one end of each of said flash tubes and received in one of the holes of said member to adjustably position and secure said flash tubes with respect to said pilot burner.

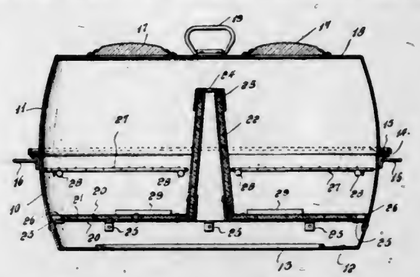
2,072,035
SOUND DAMPING DEVICE FOR LOUD-SPEAKERS
Jack A. Hayenga and Frank E. Brooks, Yakima, Wash., assignors of one-half to Richard O. Bohannon, Yakima, Wash.
Application February 13, 1936, Serial No. 63,792
10 Claims. (Cl. 181—33)



1. A damping device of the class described having a wall of sound absorbing material for impingement by sound waves, said wall being of accordion shape, a loud speaker, and means of absorbent material carried by said wall and surrounding said loud speaker.

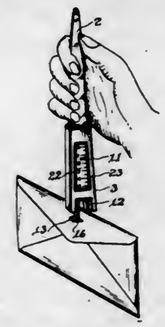
2,072,036
PORTABLE BAKING OVEN
William Horsman, Roxbury, Mass.
Application July 23, 1936, Serial No. 92,219
5 Claims. (Cl. 126—275)

2. In a portable baking oven, upper and lower sections, a heat deflector and pan support carried by the lower section in upwardly spaced relation to the bottom wall thereof and spaced at its marginal edge from the side wall of the bottom



section, pan racks supported in the bottom section above the heat deflector, a flue rising centrally of the heat deflector and a damper on the upper end of the flue.

2,072,037
LETTER SCALE
Jacob Kaplan, Washington, D. C.; Esther Kaplan, administratrix of said Jacob Kaplan, deceased, assignor to Esther Kaplan, Washington, D. C.
Application May 30, 1931, Serial No. 541,129
8 Claims. (Cl. 265—63)

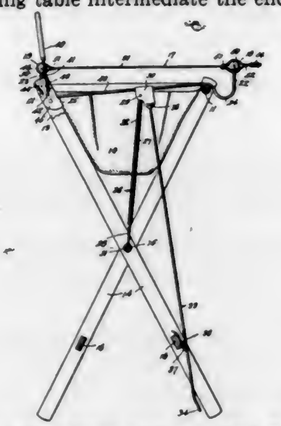


1. A desk accessory including an elongated hollow body open at one end and closed at the other, said body having a sight opening in one side, a spring scale within said body provided with a pair of normally open spring jaws normally housed within the body, means within the body for moving said jaws together against their spring action, and means accessible from the exterior of the body for actuating the last mentioned means.

2,072,038
INFANT'S BATHING DEVICE
Benjamin H. Kennedy, Rochester, N. Y.
Application November 27, 1936, Serial No. 112,873
11 Claims. (Cl. 4—177)

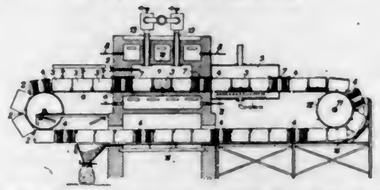
1. In an infant's bathtub and associated dressing table and support therefor, means mounting said dressing table for movement to and from active and inactive positions respectively overlying the tub and alongside thereof, said means comprising a pair of longitudinally extensible arms having pivotal connections at their upper ends with the dressing table intermediate the opposite ends thereof and having pivotal connections at their lower ends with said support, and

a yoke pivotally connected at its upper ends to the dressing table intermediate the ends thereof,



depending therefrom and provided with a foot engaging portion.

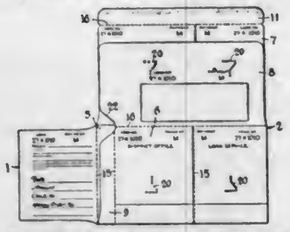
2,072,039
PROCESS OF DISTILLING OILS
Alfred Knudsen, Astra (Chubut), Argentina
Original application September 13, 1933, Serial No. 689,199½. Divided and this application December 7, 1934, Serial No. 756,607. In Germany September 22, 1932
2 Claims. (Cl. 202—10)



1. The process for destructively distilling liquid hydrocarbon oils, which comprises the steps of bodily introducing a quantity of said oils into a heated distillation and coking zone and simultaneously sealing said zone against fluid flow to and from the atmosphere and establishing a vacuum in said zone of approximately 5 to 10 millimeters below atmospheric pressure, heating said quantity of oil substantially uniformly on all of its sides while it is in said distillation zone, whereby said oils are brought up to distillation temperature without boiling over or frothing, maintaining said quantity of oils in said zone until the same have been coked, then transferring said coke to a sealed steam-filled coke cooling zone and simultaneously introducing a second quantity of said oils into said distillation and coking zone and sealing the latter against fluid transfer to said coke cooling zone.

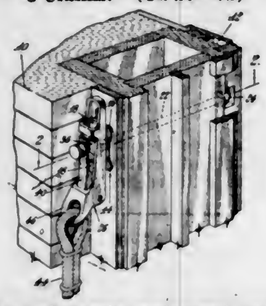
2,072,040
ARTICLE TO FACILITATE BUSINESS ACCOUNTING
Walter O. W. Lee, Washington, D. C., and Montgomery O. Jones, Richmond, Va.; said Jones assignor to The Duplex Envelope Company, Inc., Richmond, Va., a corporation of Virginia
Application March 16, 1936, Serial No. 69,196
15 Claims. (Cl. 283—1)

1. In a book useful to facilitate the making of regular deposits or installment payments and to provide a convenient, systematic and duplicate record of such transactions, a book leaf comprising a stub to be bound into the book as a permanent part thereof and to serve as an individual's record, and an envelope having a pocket and being detachable from said stub to serve



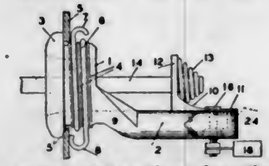
as a container for the individual's payment, said envelope having two detachable flaps extending from the mouth of the envelope pocket and constituting part of the envelope for mailing, said flaps being readily detachable from the envelope pocket and marked for use as separate records of the transaction in which the envelope is used.

2,072,041
WINDOW CLEANER'S ANCHORAGE
George F. Minnis, Jr., Chicago, Ill.
Application November 12, 1934, Serial No. 752,728
3 Claims. (Cl. 20—72)



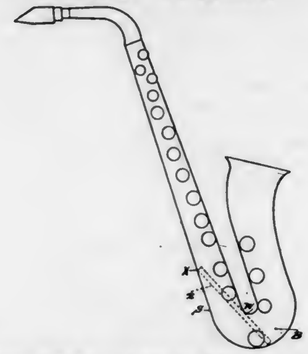
3. Window cleaner's equipment comprising a plate having two spaced heads, an anchoring bolt passing through said plate and having a head positioned between said two heads, a belt terminal including spaced flanges arranged to be positioned underneath the three heads, and a latch member carried by said belt terminal and having an end shaped to be positioned between the third head and one of said two heads for latching relation with the latter.

2,072,042
ELECTRICAL CONNECTING DEVICE
Otto A. Rieman, St. Louis, Mo.
Application October 26, 1935, Serial No. 46,894
13 Claims. (Cl. 173—328)



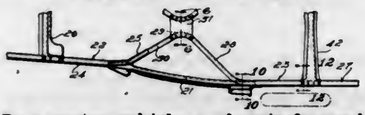
1. In a device of the class described, an electrode receptacle comprising a cylindrical portion adapted to be secured to a support and an integral solid arm extending from the end of the cylindrical portion and in an axial direction for supporting at its outer end an electrical connection between an electrode and an electrical conductor, the portion of the arm which is connected to the end of the cylindrical portion being angularly disposed to the axis of the receptacle to thereby offset the arm with respect to the outer surface of the cylindrical portion and provide an inclined external surface between the cylindrical portion and the main portion of the arm upon which water cannot collect to assist in the establishment of an electrical arc between the supporting member and the main portion of the arm carrying the electrical connection.

2,072,043
MUSICAL INSTRUMENT PITCH CONTROL ACCESSORY
Murray A. Stover, Pasadena, Calif.
Application February 12, 1936, Serial No. 63,522
20 Claims. (Cl. 84—454)



1. A tone pitching device, of the class described consisting of a body having a chamber and adapted for bodily arrangement within the tube of a given instrument and providing for communication therewith; whereby the chamber constitutes an air cushioning means for sound vibration and the pitch of the instrument is determined or changed.

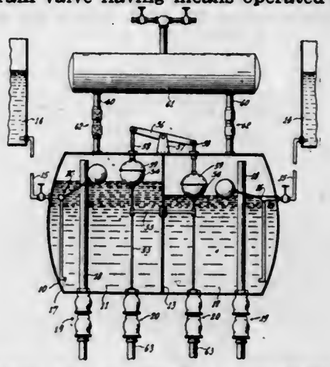
2,072,044
VEHICLE BODY CONSTRUCTION
Charles H. Widman, Detroit, and Amos E. Northup, Pleasant Ridge, Mich.
Application July 10, 1933, Serial No. 679,612
7 Claims. (Cl. 280—106)



1. In a motor vehicle, a chassis frame having separable front and rear sections, embodying X framing, and a body having sill elements secured thereto which span the sides of the X-frame and unite with said front and rear sections to form a complete chassis frame.

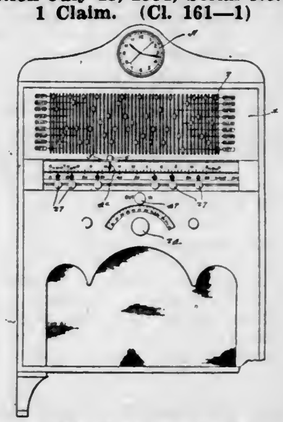
2,072,045
HYDRAULIC COMPRESSOR
Charles Daub, New York, N. Y.
Application January 15, 1936, Serial No. 59,195
3 Claims. (Cl. 230—91)

1. In a device of the class described, a hollow casing having a water inlet and a water outlet, a float-operated shut-off valve in said inlet, a drain valve in said outlet, an air exhaust at the top of said casing, an air inlet valve, said drain valve having a stem rising into said casing from the bottom thereof, a float on the top of said stem, said drain valve having means operated by said



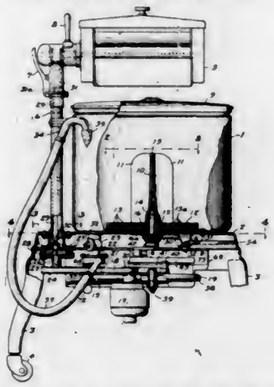
last-named float to open said drain valve on lifting its float by the rising water level in said casing and to close the same on falling of said water level and said last-named float, said drain valve having means for varying the degree of opening thereof.

2,072,046
AUTOMATIC RADIO RECEIVER
Peter P. Estermyer, Sr., Ypsilanti, Mich., assignor of one-half to Charley Ellis, Milan, Mich.
Application July 13, 1934, Serial No. 735,083
1 Claim. (Cl. 161—1)



In an automatic radio receiver, a time mechanism drive shaft, a carriage movable by said shaft in a horizontal direction, a panel behind which said carriage is operative, said panel being provided with vertical parallel slots, a row of contacts on the carriage opposed to the panel and extending longitudinally of the slots, said panel being provided with the names of broadcasting stations arranged in a vertical row at one side of the slots, said panel being provided with horizontal grooves, one extending from each of the names and intersecting said slots, contacts longitudinally slidable in the slots, each of the last-mentioned contacts being provided with a spring contracted button having a portion thereof engageable in the said grooves to retain the last-mentioned contact in a definite position in its slot and in the path of the desired contact on the carriage.

2,072,047
WASHING MACHINE
James B. Kirby, West Richfield, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application October 29, 1932, Serial No. 640,253
11 Claims. (Cl. 68—15)

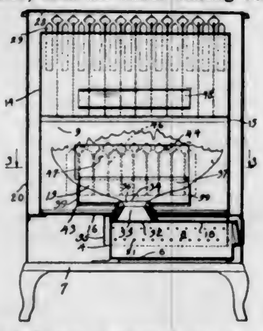


1. In a machine of the class described, a framework structure including a base member and floor engaging supports connected thereto and projecting downwardly therefrom, a plate secured beneath said base member in a readily detachable manner, and an operating mechanism comprising independently mounted parts, some secured to said base member and others secured to said plate, such independently mounted parts of said mechanism being non-fixedly joined to each other in operative relation whereby certain of the parts of said mechanism may be readily removed from the machine upon the detachment of said plate from said base member.

11. In a washing machine of the type having a tub for clothes and washing fluid and an agitator oscillatably positioned therein, driving mechanism for the agitator comprising a motor having a belt pulley on its shaft, a belt connecting the pulley of said motor to the larger of a pair of joined and axially aligned pulleys rotatably carried by the machine, a fourth pulley of considerably larger size than the largest of the previously mentioned pulleys positioned centrally below the tub, a belt connecting said fourth pulley to the smaller of said aligned pulleys, motion-converting driving mechanism for said agitator including an eccentrically connected member driven by said fourth pulley, and means for shifting the axis of said aligned pulleys for simultaneously adjusting the tension of said belts.

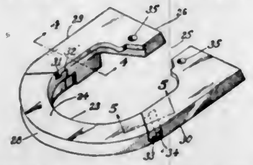
2,072,048
HEATER
Joseph E. Leonard, Berkeley, Calif., assignor to Hammer-Bray Company, Ltd., Oakland, Calif., a corporation of Nevada
Application May 23, 1934, Serial No. 727,088
4 Claims. (Cl. 126—93)

1. In a heater of the character described, a casing defining a combustion chamber with the width exceeding the depth thereof, an oil burner adjacent the bottom of said chamber provided with a relatively small throat communicating with said chamber and from which a flame is arranged to issue, a spreader over and extending in opposite directions from said throat and toward the end of said chamber and so constructed as to shape said flame to fan-like form widthwise in said chamber, and an outer casing for said first



casing and defining therewith an air circulating passage therebetween.

2,072,049
FIRING TABLE
Frank P. Roesch, Chicago, Ill., and Charles R. Davison, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application August 2, 1932, Serial No. 627,274
Renewed January 19, 1937
8 Claims. (Cl. 110—101)

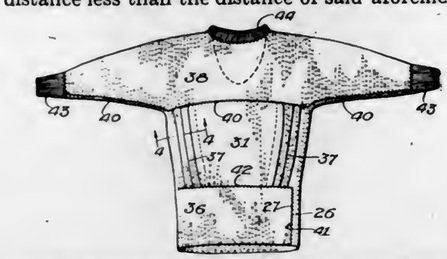


7. A sectional firing table for a stoker having a flat top surface and being substantially U-shaped in section parallel to said top surface, said table including a curved intermediate section and a pair of end sections in end-to-end contact with said curved section, the contacting ends of said intermediate and said end sections having interlocking means formed therewith and the junctions of the ends of said intermediate section with said end sections being disposed on opposite sides of and equidistant from the longitudinal center line of said firing table and at oblique angles thereto, said interlocking means being arranged to prevent relative lateral and longitudinal movement between said curved section and said end sections.

2,072,050
GARMENT CONSTRUCTION AND METHOD OF MAKING THE SAME
Samuel Sharps, Philadelphia, Pa., assignor to Superior Knitting Mills, a partnership consisting of Benjamin Sharps and Samuel Sharps, Philadelphia, Pa.
Application April 17, 1936, Serial No. 74,818
6 Claims. (Cl. 2—90)

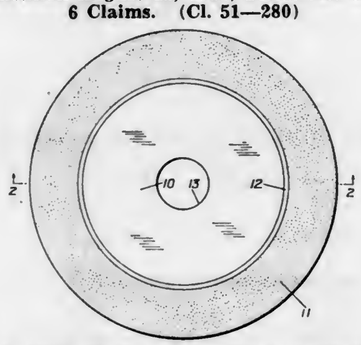
1. The method of making sweaters which includes knitting an open-ended tube of a circumference more or less approximating the desired over-all dimension from the end of one sleeve to the end of the other sleeve, across the shoulders and back of the neck, cutting said tube transversely through a part of its circumference at a distance from the top of the tube, more or less approximating the circumference of a sleeve at its root, cutting longitudinally the portion of said

tube above said transverse cut to divide it into halves to form equal sleeve extensions, cutting a neck opening in the said tube diametrically opposite to the aforesaid longitudinal cut, with the uppermost part of said neck opening spaced downwardly from the upper end of the tube a distance less than the distance of said aforemen-



tioned transverse cut, reducing the circumference of the tube below said transverse cut, folding the sleeve projections longitudinally and uniting the longitudinal edges thereof by suitable seams and uniting the upper edge of the tube intermediate said sleeve projections with the reduced-circumference portion of the tube.

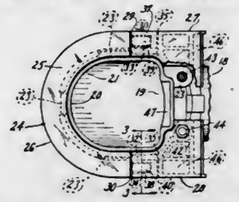
2,072,051
ABRASIVE WHEEL
Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 12, 1935, Serial No. 35,881
6 Claims. (Cl. 51—280)



6. A grinding wheel comprising a metal disk integrally united to an annular outside band comprising diamond grain bonded with metal, both the disk and the band including aluminum.

2,072,052
FIRING TABLE
Charles R. Davison and Elmer F. Seibel, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application May 2, 1936, Serial No. 77,481
4 Claims. (Cl. 110—101)

1. A U-shaped firing table for stokers, said table being formed in a plurality of sections, the curved portion of said U-shaped table forming one section and the straight portions of the U-shaped table forming the other sections, the opposite ends of said curved section each having a horizontal recess in the upper side thereof leaving a projection and each of said straight sections having formed at its end adjacent a respective end of said curved section a horizontal recess in the lower side thereof leaving a projection, said recesses and projections being interfitted, the projections at the adjacent ends of said curved section and said straight sections being arranged in overlapping relation, one projection at each of the adjacent ends of a

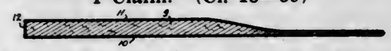


straight section and the curved section having a vertically extending lug formed therewith and the other projection at each of the adjacent ends of a straight section and the curved section having a vertically extending opening therein receiving said lug for securing the sections of said table together.

2,072,053
PURIFICATION OF NAPHTHENIC ACIDS
Waldersee B. Hendrey, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 19, 1933, Serial No. 666,844
20 Claims. (Cl. 260—108)

1. The process of decolorizing dark colored naphthenic acids derived from alkaline residues obtained in the distillation of mineral oil which comprises treating said acids with concentrated sulfuric acid and vacuum distilling the so treated acids.

2,072,054
METHOD FOR MAKING SINGLE BEATING REEDS
Albert Melvin Larsen, Seattle, Wash., assignor to Permanent Reed Co., Seattle, Wash., a corporation of Washington
Application November 7, 1932, Serial No. 641,535
1 Claim. (Cl. 18—59)

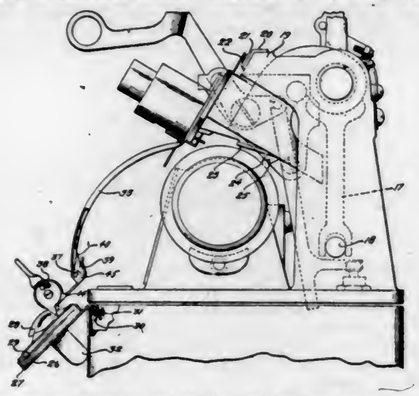


The process of making a musical reed comprising coating a cane reed with a solution of cellulosic plastic material, placing the said reed in a compressible mold, heating the mold to a temperature sufficient to mold the cellulosic plastic material, compressing the mold, and then cooling the reed while compressed in the mold to prevent warping, whereby the tonal properties of the reed are substantially preserved against injury by the saliva and the heat of the mouth of the user.

2,072,055
CORRECTION DEVICE FOR DICTATION MACHINES
Joseph M. Lucarelle, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application August 5, 1930, Serial No. 473,275
2 Claims. (Cl. 234—1)

1. In a correction device for dictating machines, the combination of a correction sheet having a surface exposed to receive markings, a bracket having its free end movable along a path parallel to said sheet, an arm pivoted on the bracket at its said free end for movements

toward and away from said sheet, a marker mounted to be moved with said arm toward and away from said sheet, means for moving said



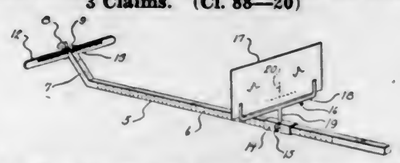
marker relatively to said arm to make a mark on the sheet, and means for yieldingly retaining said arm in position with the said marker normally held away from said sheet.

2,072,056

APPARATUS FOR TESTING EYES

Hilmar G. Martin, Milwaukee, Wis., assignor to The Medical Society of Milwaukee County, Milwaukee, Wis., a corporation of Wisconsin

Application February 6, 1935, Serial No. 5,169
3 Claims. (Cl. 88—20)



2. An instrument of the character described comprising a longitudinal supporting bar, an upwardly inclined end portion on the bar, a scale holder carried by the upper end of said inclined end portion to hold a scale for transverse sliding movement with respect to the supporting bar whereby the interpupillary distance of the patient's eyes in accepted units of measurement may be directly determined, a nose piece at said upper end of the inclined end portion engagable with the nose of the patient to definitely locate the scale holder and the supporting bar with respect to the eyes of the patient, a sleeve slidable along said supporting bar toward and away from the patient's eyes, means on said sleeve to mount a test object in line with the vision of the patient, and scale means on the bar for determining the distance of the test object from the eyes at the point of maximum convergence of the patient's eyes, whereby from the determined interpupillary distance of the patient's eyes and the distance from the patient's eyes to the point of maximum convergence, the greatest amount of convergence of which the patient is capable in terms of meter angles may be calculated.

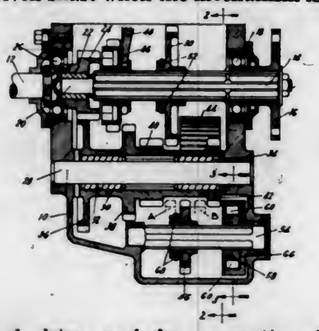
2,072,057

TRANSMISSION

Carl F. Rauen, Grosse Pointe, Mich.

Original application May 29, 1923, Serial No. 642,301. Divided and this application May 9, 1927, Serial No. 190,092
51 Claims. (Cl. 192—4)

1. In a motor vehicle transmission mechanism including a driven shaft and having shift means whereby it may be set for a forward or reverse drive, a device for preventing reverse movement of the driven shaft when the mechanism is set for



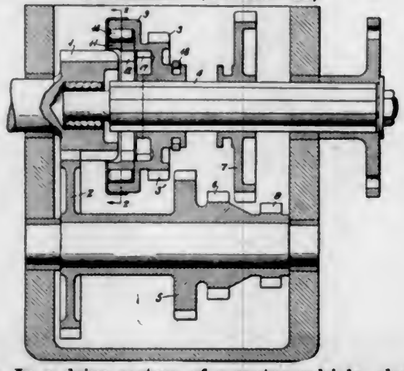
a forward drive, and for preventing forward movement of said shaft when the mechanism is set for a reverse drive, and means for controlling the device from said shift means.

2,072,058

CLUTCH STRUCTURE

Carl F. Rauen, Grosse Pointe, Mich.

Original application May 29, 1923, Serial No. 642,300, now Patent No. 1,799,987, dated April 7, 1931. Divided and this application February 21, 1931, Serial No. 517,581. Renewed September 13, 1935
68 Claims. (Cl. 192—48)



4. In a drive system of a motor vehicle, clutch structure including drive and driven members, means including a longitudinally shiftable overrunning clutch for establishing a one-way drive between said members, means for establishing a direct two-way drive between said members, said means and said members being coaxially arranged, and a shifting device for controlling both of said means.

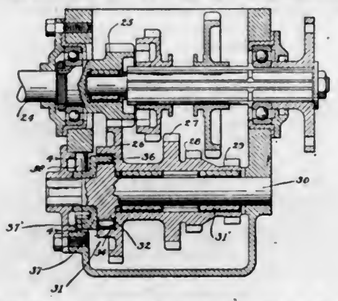
2,072,059

POWER TRANSMISSION SYSTEM

Carl F. Rauen, Grosse Pointe, Mich.

Application May 29, 1923, Serial No. 642,301
Renewed May 8, 1935
47 Claims. (Cl. 192—4)

1. A transmission for a motor vehicle comprising, in combination, a shaft rotating in the same direction whichever direction the vehicle is driven, and means operatively connected to said shaft even though said transmission is not set for said vehicle to be motor-driven, and rendered effective upon any reverse rotative tendency of said shaft to prevent re-



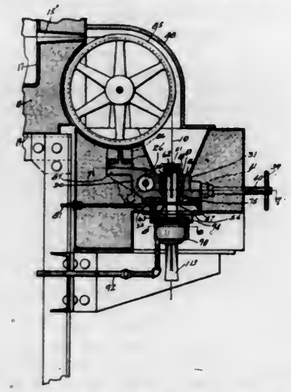
verse rotation thereof, together with a driver-controlled device for rendering said means inoperative.

2,072,060

WIRE COATING PROCESS AND APPARATUS

Randall W. Schultz, Williamsport, Pa., assignor to Metalloys Company, Williamsport, Pa., a corporation of Pennsylvania

Application August 13, 1936, Serial No. 95,939
10 Claims. (Cl. 22—57.2)



3. The process of coating an elongated metal article of uniform cross section with a protective coating of another metal which comprises moving the article to be coated through a casting die, drawing molten coating metal through the die around the article being coated, and simultaneously removing the air from around the die to prevent oxidation by means of a partial vacuum beneath the die, and quenching the article being coated in the vacuum producing means.

2,072,061

PRODUCTION OF ALKYL SUBSTITUTED ARYL HYDROCARBONS

Charles A. Thomas, Wayne, Pa., assignor to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application August 28, 1933, Serial No. 687,246
4 Claims. (Cl. 260—168)

1. The method of producing a mass of material comprising essentially a mono-alkyl derivative of an aryl compound which comprises chlorinating paraffin hydrocarbon material corresponding in carbon content to the alkyl radical of the desired derivative to an extent sufficient to produce a mixture of the paraffin hydrocarbon and the corresponding alkyl monochloride but insufficient to produce any substantial quantity of alkyl poly-chlorides, mixing the mixed mass of alkyl chloride and paraffin hydrocarbon with the aryl compound which is to form the aryl radical of the desired derivative, condensing the alkyl chloride of the mixture with the aryl compound and thereafter separating the uncondensed material from the desired derivative by distillation to obtain a mass of the desired alkyl derivative substantially free of paraffin hydrocarbon and chlorine derivatives.

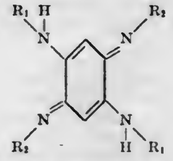
2,072,062

PROCESS OF DYEING CELLULOSE, COTTON, OR THE LIKE

Arthur Wolfram and Kurt Bonstedt, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 6, 1935, Serial No. 5,302. In Germany February 10, 1934
4 Claims. (Cl. 8—5)

2. The process which comprises dyeing, according to the methods known for substantive dyeings, cellulose material with an alkali salt of a sulfonic acid of a fluorindine compound which is obtainable by the process which comprises oxidizing to the fluorindine compound according to known methods an azophenin compound of the general formula:



wherein R_1 represents an aromatic radical containing a negative substituent of the group consisting of nitro, CO-alkyl, CO-aryl and carboxyl, or containing more than one aromatic nucleus or a quinone nucleus and wherein R_2 represents an aromatic hydrocarbon radical, and sulfonating the product thus obtained.

2,072,063

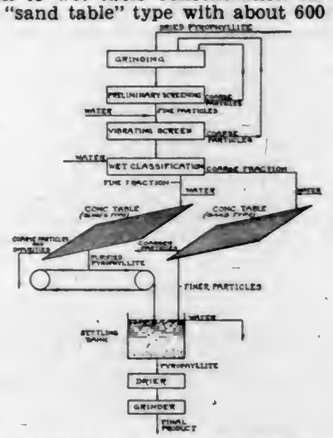
MANUFACTURE OF PYROPHYLLITE

William H. Alton, New York, N. Y., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York

Application September 30, 1933, Serial No. 691,734
2 Claims. (Cl. 209—2)

1. The method of purifying pyrophyllite which comprises preliminarily grinding the same and passing the ground material through a suitable screen such as a screen with ¼ inch openings, returning the larger particles for further grinding, forming the finer product into a slurry and screening the same through a screen of around 15 to 20 meshes to the inch, returning the oversize particles from such screening treatment for further grinding, classifying the finer particles from such screening treatment by wet classification into finer and coarser particles, such as particles finer and coarser than about 80 or 100 mesh, passing the finer fraction in the form of a slurry on to a concentrating table of the "slimes" type, using water in the proportion of about 300 to 500 gallons per ton of material, subjecting the coarser

fraction to wet table concentration on a table of the "sand table" type with about 600 to 1000



gallons of water per ton of material, and drying the resulting purified pyrophyllite.

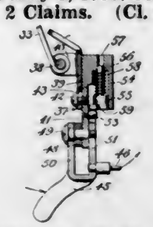
2,072,064

CORRECTION DEVICE FOR DICTATING MACHINES

Theodore H. Beard, Bethel, and Joseph M. Lucarelle, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York

Application May 8, 1930, Serial No. 450,694

2 Claims. (Cl. 234—1)



1. In a correction device for dictating machines, the combination of a correction sheet having a surface exposed to receive markings, a bracket mounted with its free end movable along a path parallel to said sheet, an arm mounted at said free end of the bracket to swing freely toward and from said sheet, a marker holder mounted on said arm for lateral deflection in a plane parallel to the exposed surface of the sheet, and a marker mounted on said holder in position to engage and mark on said exposed surface of the sheet when said arm is laterally deflected.

2,072,065

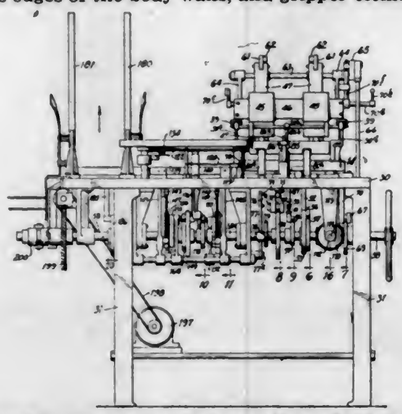
CARTON ERECTING MACHINE

Arthur Edmund Brown and William Vaughan, London, Ontario, Canada, assignors to Leon Benoit, New York, N. Y.

Application December 9, 1935, Serial No. 53,540

35 Claims. (Cl. 93—37)

1. In a carton erecting machine designed to erect collapsed cartons having body walls medially folded longitudinally to bring their free edges into flat lying relation and having cross walls hingedly connected with the body walls and lying flatwise between the body walls, means for retaining the collapsed cartons in stacked relation and standing in edgewise position, feeding means for feeding the cartons singly from the stack and delivering them in edgewise standing relation, means for preliminarily spreading the free edges of the body walls, and gripper elements



adapted to engage said free edges of the body walls and distend the same laterally and incidentally cause the cross walls to swing transversely of the body walls of the carton.

2,072,066

TOGGLE BOLT

Francis Albert Brice Cossentine, Tolworth, England

Application October 28, 1936, Serial No. 108,016

In Great Britain May 29, 1935

9 Claims. (Cl. 85—3)



1. A substantially solid stud of the character described comprising an exteriorly threaded body portion having a slot at one side and at least one movable arm at its inner end, means connecting said arm to the stud to allow said arm to take up a position whereby the stud can be passed through a hole of a diameter substantially equal to its own, thence to another position in which said arm projects from the stud at substantially right angles, said slot extending outwardly for a major portion of the length of the stud and towards its other end whereby said arm may be acted upon positively by extraneous means through said slot to move said arm into the first of said positions from a point remote from said arm.

2,072,067

METHOD OF PREPARING BERYLLIUM ALLOYS

William B. Donahue, Ossining, N. Y., assignor to Feldspathic Research Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 29, 1934, Serial No. 708,834

17 Claims. (Cl. 75—150)

1. The method of producing beryllium alloys which comprises reacting molten metal of the group comprising copper, nickel, iron and aluminum with an alkali or alkaline-earth metal and a double fluoride salt of beryllium and an alkali metal.

2,072,068

RESINOUS PRODUCTS OR COMPOSITIONS AND PROCESS OF MAKING SAME

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application October 10, 1925, Serial No. 61,839. Renewed October 24, 1936

15 Claims. (Cl. 260—8)

6. A reaction product of: a polymerized polyhydric alcohol, a crystalline organic carboxylic acid, drying oil acids, and a natural resin.

2,072,069

COMPOSITION OF MATTER FOR COATING INDUSTRY

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application March 11, 1935, Serial No. 10,477

8 Claims. (Cl. 134—17)

1. A coating composition comprising chlorinated rubber and a heat-treated mixture of a fatty oil and a xylenol-aldehyde resin soluble in said oil.

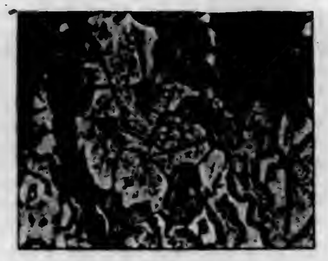
2,072,070

FRICTION ARTICLE AND METHOD OF PRODUCING SAME

John S. Fisher, Akron, Ohio, assignor to The General Metals Powder Company, Akron, Ohio, a corporation of Ohio

Application July 24, 1933, Serial No. 681,861

21 Claims. (Cl. 75—22)



1. A pressed and heat-treated friction article of the character described, having a coefficient of friction between .10 and .50 and consisting of a strong metallic network substantially continuous, integral and free from interruptions, and less than about twenty parts by weight of inorganic non-metallic finely divided material dispersed in and supported by said network, said network having physical properties and metallographic structures characteristic of the predominant metal in a cold rolled and annealed condition and being strong and ductile by reason thereof.

2,072,071

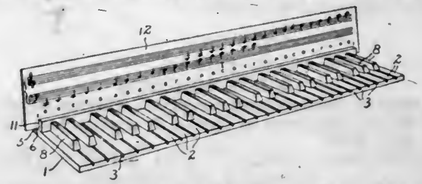
PRACTICE KEYBOARD

Carl Engel, New York, N. Y., assignor to G. Schirmer, Inc., New York, N. Y., a corporation of New York

Application March 27, 1935, Serial No. 13,266

5 Claims. (Cl. 84—467)

1. A practice keyboard comprising, in combination, a long flat member having keys outlined thereon by a plurality of transversely extending scores cut in the surface thereof, a molding strip formed to engage the rear edge and a portion of the upper surface of said member and secured along the rear edge thereof, and a plurality of other keys in the form of blocks disposed in appropriate relation to said first keys and secured upon said flat member with an end of each block



in substantial contact with the surface of said molding strip.

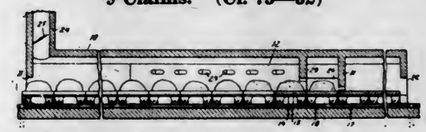
2,072,072

IRON METALLURGY

Frederick A. Hartgen, Reading, Pa., assignor to Reading Iron Company, Reading, Pa., a corporation of Pennsylvania

Application September 1, 1933, Serial No. 687,740

9 Claims. (Cl. 75—32)



1. The method of treating iron oxide ore consisting essentially of iron oxide and one or more impurities of an acid character which comprises heating the ore, without the addition of fluxing material, in intimate contact with a reducing agent to a temperature of about 900 to 1100° C. until a large proportion but not all of the iron oxide is reduced to metallic iron, the amount of iron oxide remaining unreduced being sufficient to form a slag with the impurities which is fusible at a temperature of about 1300 to 1450° C. and substantially infusible at temperatures below about 1300° C., heating the resulting reduced product to a temperature above about 1300° C. and treating the resulting heated product to separate metallic iron and fluid slag contained therein.

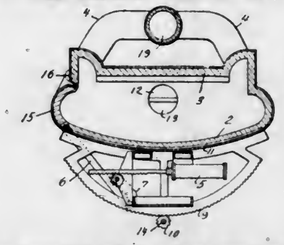
2,072,073

IRON METALLURGY

Frederick A. Hartgen, Reading, Pa., assignor to Reading Iron Company, Reading, Pa., a corporation of Pennsylvania

Application September [illegible], 1933, Serial No. 688,793

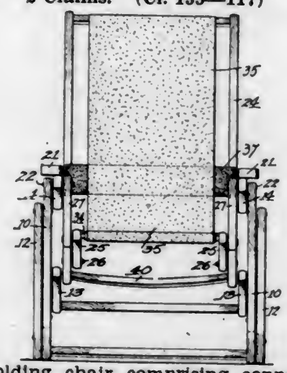
18 Claims. (Cl. 75—32)



1. The method of treating iron oxide-bearing material containing one or more impurities of an acid character which comprises subjecting a molten bath of the material, without the addition of fluxing material, to the action of a reducing agent at a temperature below the melting point of iron but sufficiently high to effect reduction of iron oxide contained in the bath to metallic iron, the reducing agent employed being incapable of reducing all of the iron oxide contained in the bath to metallic iron, sufficient unreduced

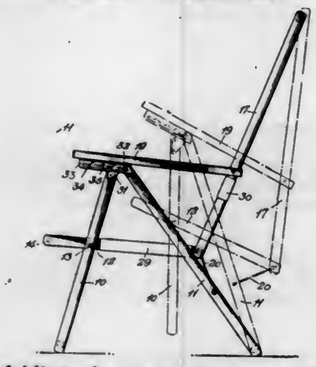
iron oxide being retained in the bath to form a fluid slag with the impurities contained therein at the temperature employed.

2,072,074
FOLDING CHAIR
Lewis C. Travers and George L. Morris, Gardner, Mass., assignors to Calvin S. Greenwood, Gardner, Mass.
Application February 7, 1934, Serial No. 710,094
2 Claims. (Cl. 155—117)



1. A folding chair comprising connected leg frames, one at each side of the chair, each leg frame having foldable front and rear legs pivotally connected at the front of the chair, arm rest members pivotally connected to the leg frames, a back pivotally connected to the arm rest members at the rear ends of the latter, a seat pivoted at the rear thereof to the lower extremity of the back, movable prop means between the back and leg frames when the chair is set up, bracing means between the front and rear legs, and means movably supporting the front of the seat in a manner to provide for adjustment of the seat and back of the chair to different positions of use, said means including suspension links connecting the forward portions of the seat and the arm rest members, said links together with the lower extremity of the back, the arm rest members, and seat frame defining a substantially parallelogram-shaped structure pivoted at its corners.

2,072,075
FOLDING CHAIR
Lewis C. Travers and George L. Morris, Gardner, Mass., assignors to Mahoney Chair Company, Gardner, Mass., a corporation of Massachusetts
Application February 7, 1935, Serial No. 5,452
3 Claims. (Cl. 155—117)



3. A folding chair comprising connected leg frames, one at each side of the chair, each leg frame including a front and a rear leg, a pivotal connection comprising a plate secured to the sides of the upper ends of the legs permitting the legs to fold compactly together, a back, a seat pivotally connected at its rear to the lower extremity of the back and at its front to the intermediate portions of the front legs, side arm rests pivotally connected at their rear ends to the back and at their front ends each being provided with a depending slotted ratchet plate, a laterally extending element mounted on the upper end of one of the legs at each side of the chair and slidably engaging the slot of an adjacent ratchet plate and with the latter providing a slidably adjustable connection between the arm rests and leg frame, whereby the inclination of the back may be adjusted while the chair is occupied without affecting the relationship of the legs, a pivotal link connection between the lower end of the back and rear legs, the lower end of the back being supported by the rear legs of the leg frames when the chair is set up.

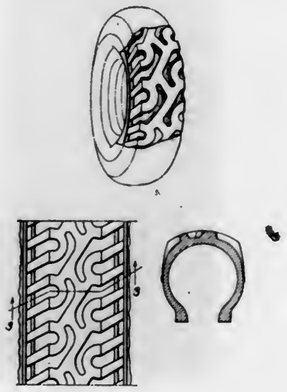
DESIGNS
FEBRUARY 23, 1937

103,292
DESIGN FOR A WOVEN TEXTILE FABRIC
John L. Walther, New York, N. Y.
Application December 9, 1936, Serial No. 66,397
Term of patent 3½ years



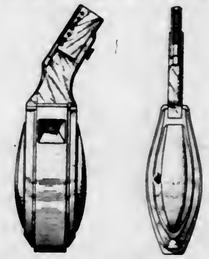
The ornamental design for a woven textile fabric, substantially as shown and described.

103,293
DESIGN FOR A TIRE
John E. Allen, Chicopee Falls, and Arthur E. Benson, Springfield, Mass., assignors to The Fisk Rubber Corporation, Chicopee Falls, Mass., a corporation of Delaware
Application May 27, 1936, Serial No. 62,854
Term of patent 14 years



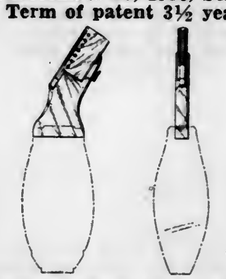
The ornamental design for a tire, as shown.

103,294
DESIGN FOR AN ELECTRIC SHAVING DEVICE
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application December 17, 1936, Serial No. 66,602
Term of patent 3½ years



The ornamental design for an electric shaving device, as shown and described.

103,295
DESIGN FOR AN ELECTRIC SHAVING DEVICE
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application December 17, 1936, Serial No. 66,603
Term of patent 3½ years



The ornamental design for an electric shaving device, as shown and described.

103,296
DESIGN FOR AN INKSTAND
Frank M. Ashley, Great Kills, N. Y., assignor to Lewis Gompers, New York, N. Y., as trustee
Application August 10, 1936, Serial No. 64,340
Term of patent 14 years



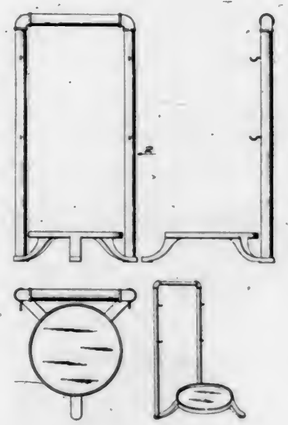
The ornamental design for an inkstand, as shown and described.

103,297
DESIGN FOR A SPECTACLE FRAME OR SIMILAR ARTICLE
Kathryn S. Barrett, Minneapolis, Minn.
Application September 26, 1936, Serial No. 65,019
Term of patent 14 years



The ornamental design for a spectacle frame or similar article as shown.

103,298
DESIGN FOR A COMBINATION FUEL STAND AND ARTICLE SUPPORT
Charles H. Berglund, Worcester, Mass.
Application July 2, 1936, Serial No. 63,617
Term of patent 7 years



The ornamental design for a combination fuel stand and article support, as shown.

103,299
DESIGN FOR A RUG
Lucien Biva, New York, N. Y., assignor to Otto Timme, doing business as E. F. Timme & Son, New York, N. Y.
Application January 6, 1937, Serial No. 66,923
Term of patent 7 years



The ornamental design for a rug, as shown.

103,300
DESIGN FOR A RUG
Lucien Biva, New York, N. Y., assignor to Otto Timme, doing business as E. F. Timme & Son, New York, N. Y.
Application January 6, 1937, Serial No. 66,924
Term of patent 7 years



The ornamental design for a rug as shown.

103,301
DESIGN FOR A SHOE
Pasquale Borda, Brooklyn, N. Y., assignor to Bancroft-Walker Company, Waltham, Mass., a corporation of Massachusetts
Application November 30, 1936, Serial No. 66,206
Term of patent 3½ years



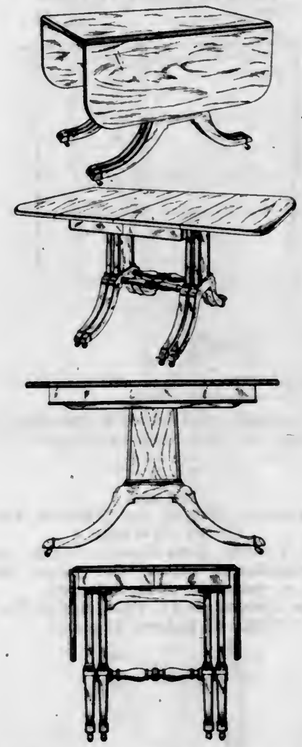
The ornamental design for a shoe substantially as shown and described.

103,302
DESIGN FOR A COMBINED COMB AND HOOK
William N. Brady, Piermont, N. Y., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application November 25, 1936, Serial No. 66,134
Term of patent 14 years



The ornamental design for a combined comb and hook, as shown and described.

103,303
DESIGN FOR AN EXTENSION TABLE
Carl H. Brandt, Hagerstown, Md.
Application January 8, 1937, Serial No. 66,962
Term of patent 14 years



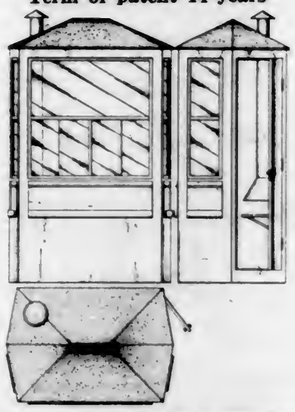
The ornamental design for an extension table, as shown.

103,304
DESIGN FOR A SCREW
Frank K. Brown, South Dartmouth, Mass., assignor to Continental Screw Company, New Bedford, Mass., a corporation of Massachusetts
Application December 22, 1936, Serial No. 66,687
Term of patent 14 years



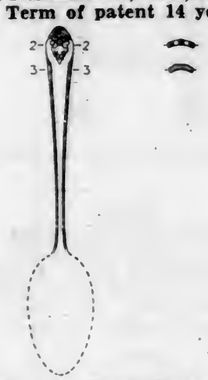
The ornamental design for a screw, as shown.

103,305
DESIGN FOR A MERCHANDISE DISPENSING STAND
Jacob Caplan, Chicago, Ill.
Application December 28, 1936, Serial No. 66,771
Term of patent 14 years



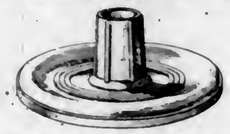
The ornamental design for a merchandise dispensing stand substantially as shown.

103,306
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, New Haven, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application December 21, 1936, Serial No. 66,674
Term of patent 14 years



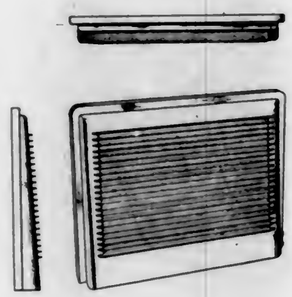
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

103,307
DESIGN FOR A FUNNEL STAND
Harvey Cory, Chicago, Ill.
Application January 11, 1937, Serial No. 67,003
Term of patent 14 years



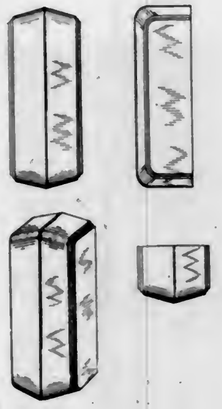
The ornamental design for a funnel stand, as shown.

103,308
DESIGN FOR A REGISTER
Harold S. Covell, Holland, Mich., assignor to Hart & Cooley Manufacturing Co., Dover, Del., a corporation of Delaware
Application May 18, 1936, Serial No. 62,718
Term of patent 7 years



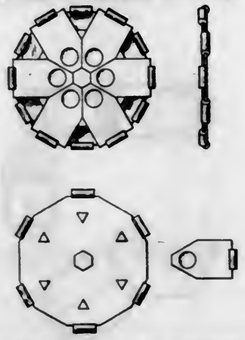
The ornamental design for a register, as shown.

103,309
DESIGN FOR AN AIR CONDITIONING CONTROL CASING
Earnest J. Dillman, Detroit, Mich.
Application February 28, 1936, Serial No. 61,401
Term of patent 14 years



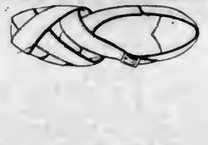
The ornamental design for an air conditioning control casing, substantially as shown.

103,310
DESIGN FOR AN INDIVIDUAL SERVER SERVING TRAY
Theodore J. Durksen, Oakland, Calif.
Application November 11, 1936, Serial No. 65,843
Term of patent 7 years



The ornamental design for an individual server serving tray, as shown and described.

103,311
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application January 5, 1937, Serial No. 66,897
Term of patent 3½ years





The ornamental design for a shoe or similar article substantially as shown.

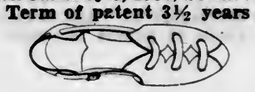
103,312
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application January 5, 1937, Serial No. 66,898
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

103,313
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application January 5, 1937, Serial No. 66,899
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

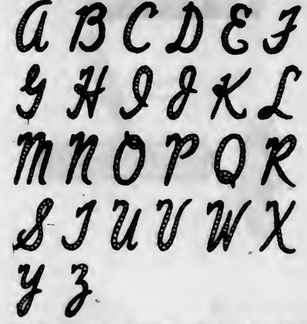
103,314
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application January 5, 1937, Serial No. 66,900
Term of patent 3½ years





The ornamental design for a shoe or similar article substantially as shown.

103,315
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS FOR WEARING APPAREL OR SIMILAR ARTICLE
Charles Emmey, New York, N. Y.
Application July 9, 1936, Serial No. 63,752
Term of patent 14 years



The ornamental design for an alphabet for forming monograms for wearing apparel or similar article substantially as shown and described.

103,316
DESIGN FOR A BOTTLE
John H. Funkey, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md., a corporation
Application December 21, 1936, Serial No. 66,669
Term of patent 14 years



The ornamental design for a bottle, as shown.

103,317
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
Samuel R. Goldsmith, New York, N. Y.
Application January 9, 1937, Serial No. 66,971
Term of patent 3½ years



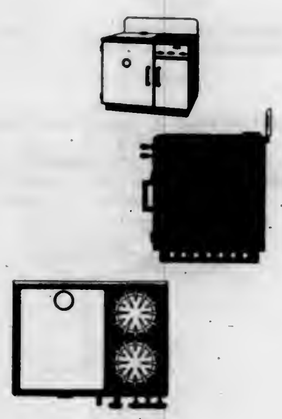
The ornamental design for a handbag or similar article, substantially as shown and described.

103,318
DESIGN FOR A TROLLEY POLE HEAD-ENCLOSING INSULATOR
William A. Hamilton, Birmingham, Ala.
Application October 2, 1936, Serial No. 65,136
Term of patent 14 years



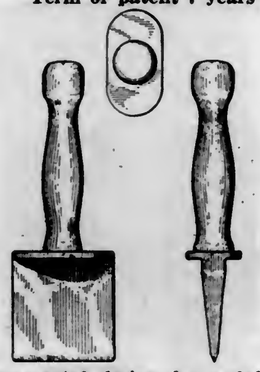
The ornamental design for a trolley pole head-enclosing insulator, as shown.

103,319
DESIGN FOR A COOKING STOVE
Russell N. Hanson and Sophus Rasmussen, Albert Lea, Minn., assignors to American Gas Machine Company, Albert Lea, Minn., a corporation of Delaware
Application December 7, 1936, Serial No. 66,369
Term of patent 7 years



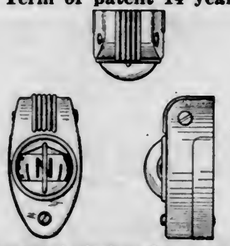
The ornamental design for a cooking stove, substantially as shown and described.

103,320
DESIGN FOR A DEFROSTING TOOL FOR ICE CREAM CABINETS
Alfred Hegenberger, Denver, Colo.
Application October 24, 1936, Serial No. 65,485
Term of patent 7 years



The ornamental design for a defrosting tool for ice cream cabinets, as shown.

103,321
DESIGN FOR A MAGNETIC COMPASS
Walter E. Hull, Warren, Ohio
Application December 7, 1936, Serial No. 66,365
Term of patent 14 years



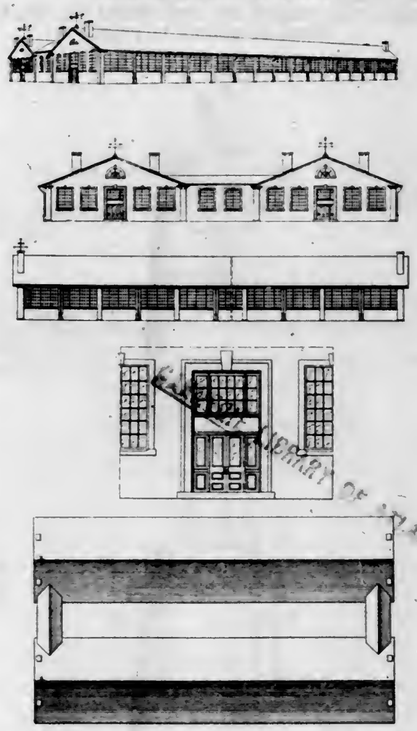
The ornamental design for a magnetic compass substantially as shown and described.

103,322
DESIGN FOR AN IRONING MACHINE GEAR HEAD
Rudolph W. Janda, Berwyn, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 65,918
Term of patent 7 years



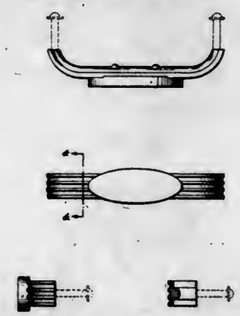
The ornamental design for an ironing machine gear head, as shown.

103,323
DESIGN FOR A MILL BUILDING
Henry Janssen, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application December 30, 1936, Serial No. 66,809
Term of patent 14 years



The ornamental design for a mill building, as shown and described.

103,324
DESIGN FOR A DRAWER PULL
Allan F. Jones, Jamestown, N. Y., assignor to Sack Incorporated, Boston, Mass., a corporation of Massachusetts
Application December 12, 1935, Serial No. 60,031
Term of patent 3½ years



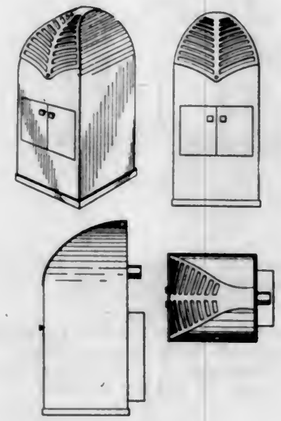
The ornamental design for a drawer pull, as shown and described.

103,325
DESIGN FOR A COMBINED PORTABLE VACUUM CLEANER AND BLOWER OR SIMILAR ARTICLE
Tage G. Jonn, Chicago, Ill., assignor to Breuer Electric Mfg. Co., Chicago, Ill., a corporation of Illinois
Application August 20, 1936, Serial No. 64,489
Term of patent 14 years



The ornamental design for a combined portable vacuum cleaner and blower or similar article, as shown and described.

103,326
DESIGN FOR A HEATER CASING OR SIMILAR ARTICLE
Peter Kilham, Santa Fe, N. Mex.
Application December 28, 1936, Serial No. 66,758
Term of patent 3½ years



The ornamental design for a heater casing or similar article, as shown.

103,327
DESIGN FOR LEATHER OR SIMILAR ARTICLE
Fred. A. Kolb, Newark, N. J.
Application July 14, 1936, Serial No. 63,835
Term of patent 14 years



The ornamental design for leather or similar article, substantially as shown and described.

103,328
DESIGN FOR A TEXTILE FABRIC
Ralph J. Krause, New York, N. Y.
Application January 21, 1937, Serial No. 67,181
Term of patent 7 years

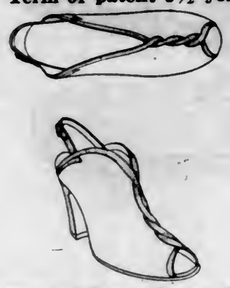


The ornamental design for a textile fabric, as shown.

103,329
DESIGN FOR A TEXTILE FABRIC
Carl Lang, New York, N. Y.
Application January 25, 1937, Serial No. 67,284
Term of patent 3½ years

The ornamental design for a textile fabric substantially as shown and described.

103,330
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Placido D. La Valle, New York, N. Y.
Application January 5, 1937, Serial No. 66,901
Term of patent 3½ years



The ornamental design for a shoe or similar article substantially as shown.

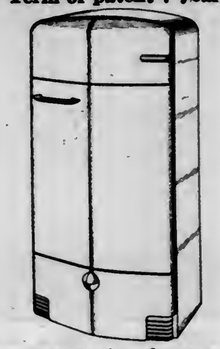
103,331
DESIGN FOR A SHOE
Jacob Levine, New York, N. Y.
Application January 13, 1937, Serial No. 67,034
Term of patent 3½ years





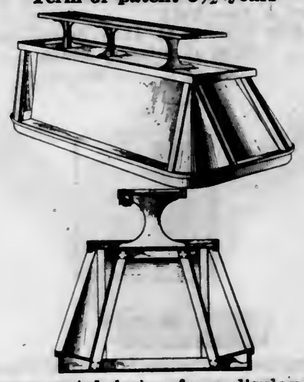
The ornamental design for a shoe substantially as shown.

103,332
DESIGN FOR A REFRIGERATOR
Raymond Loewy, New York, N. Y., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 16, 1936, Serial No. 65,919
Term of patent 7 years



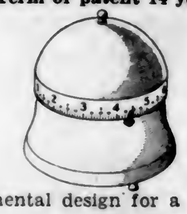
The ornamental design for a refrigerator, as shown and described.

103,333
DESIGN FOR A DISPLAY STAND
John Lomaistro, Miami, Fla.
Application August 3, 1936, Serial No. 64,216
Term of patent 3½ years



The ornamental design for a display stand, as shown.

103,334
DESIGN FOR A REVOLVING CLOCK
Ralph Magro, Jersey City, N. J.
Application January 23, 1937, Serial No. 67,254
Term of patent 14 years



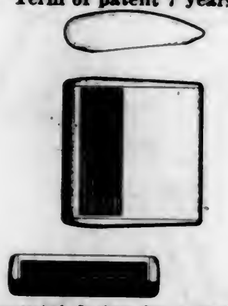
The ornamental design for a revolving clock, as shown.

103,335
DESIGN FOR A TEXTILE FABRIC
Charles M. Peisner, New York, N. Y.
Application December 8, 1936, Serial No. 66,382
Term of patent 3½ years



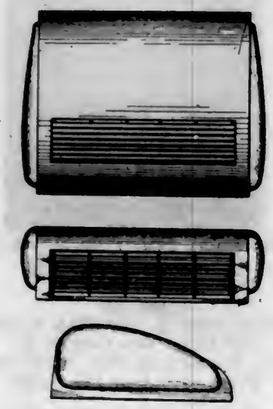
The ornamental design for a textile fabric, substantially as shown and described.

103,336
DESIGN FOR A ROOF MOUNTED AIR CONDITIONER FOR VEHICLES OR SIMILAR ARTICLE
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application October 31, 1936, Serial No. 65,613
Term of patent 7 years



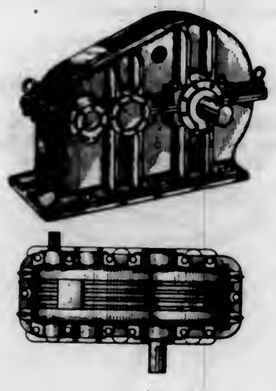
The ornamental design for a roof mounted air conditioner for vehicles, or similar article, substantially as shown.

103,337
DESIGN FOR A VEHICLE ROOF MOUNTED AIR CONDITIONER OR SIMILAR ARTICLE
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application December 3, 1936, Serial No. 66,289
Term of patent 7 years



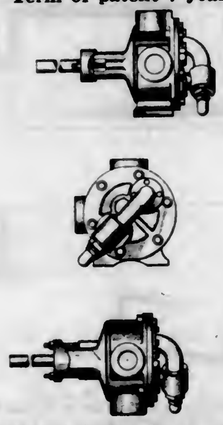
The ornamental design for a vehicle roof mounted air conditioner or similar article, substantially as shown.

103,338
DESIGN FOR A GEAR CASE
Harry C. Peterson, Chicago, Ill., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application December 31, 1936, Serial No. 66,833
Term of patent 14 years



The ornamental design for a gear case, as shown.

103,339
DESIGN FOR A COMBINED ROTARY PUMP AND VALVE
Peter C. Petersen, Cedar Falls, Iowa, assignor to Viking Pump Company, Cedar Falls, Iowa, a corporation of Delaware
Application October 24, 1935, Serial No. 59,206
Term of patent 7 years



The ornamental design for a combined rotary pump and valve as shown.

103,340
DESIGN FOR A CHAIR
Dwight Powell, Youngstown, Ohio, assignor to General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application July 3, 1936, Serial No. 63,640
Term of patent 14 years



The ornamental design for a chair as shown.

103,341
DESIGN FOR AN INKWELL
Kurt Rettich, Grand Rapids, Mich., assignor to Terry Penfiller Co., Janesville, Wis., a corporation of Wisconsin
Application December 7, 1936, Serial No. 66,361
Term of patent 14 years



The ornamental design for an inkwell as shown.

103,342
DESIGN FOR A LACE INSERT
Albert Ruchman, New York, N. Y.
Application January 29, 1937, Serial No. 67,324
Term of patent 3½ years



The ornamental design for a lace insert, substantially as shown.

103,343
DESIGN FOR A LACE INSERT
Albert Ruchman, New York, N. Y.
Application January 29, 1937, Serial No. 67,325
Term of patent 3½ years



The ornamental design for a lace insert, substantially as shown.

103,344
DESIGN FOR A LACE INSERT
Albert Ruchman, New York, N. Y.
Application January 29, 1937, Serial No. 67,326
Term of patent 3½ years



The ornamental design for a lace insert, substantially as shown.

103,345
DESIGN FOR A LACE INSERT
Albert Ruchman, New York, N. Y.
Application January 30, 1937, Serial No. 67,350
Term of patent 3½ years



The ornamental design for a lace insert, substantially as shown.

103,346
DESIGN FOR A LACE INSERT
Albert Ruchman, New York, N. Y.
Application January 30, 1937, Serial No. 67,351
Term of patent 3½ years



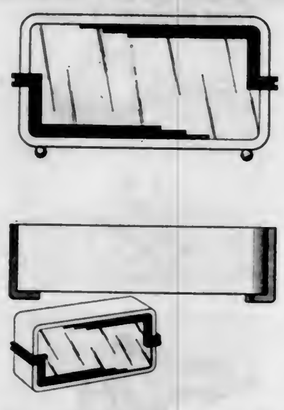
The ornamental design for a lace insert, substantially as shown.

103,347
DESIGN FOR A SHOE
Theodore Samuels, St. Louis, Mo.
Application November 17, 1936, Serial No. 65,977
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

103,348
DESIGN FOR A DISPLAY CASING OR SIMILAR ARTICLE OF MANUFACTURE
Edwin A. Shank, New Rochelle, N. Y.
Application November 19, 1936, Serial No. 66,018
Term of patent 7 years



The ornamental design for a display casing or similar article of manufacture, as shown.

103,349
DESIGN FOR A SHOE
David J. Silver, New York, N. Y.
Application January 11, 1937, Serial No. 66,998
Term of patent 3½ years



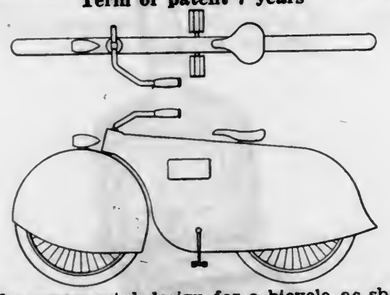
The ornamental design for a shoe substantially as shown.

103,350
DESIGN FOR A SHOULDER SUPPORT FOR USE IN EMBALMING HUMAN BODIES
Arthur O. Spriggs, Springfield, Ohio, assignor to The Champion Company, Springfield, Ohio, a corporation of Ohio
Application November 16, 1936, Serial No. 65,922
Term of patent 14 years



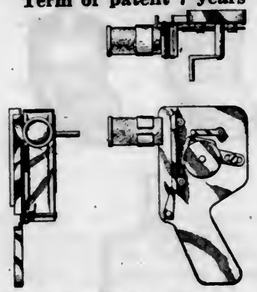
The ornamental design for a shoulder support for use in embalming human bodies, as shown.

103,351
DESIGN FOR A BICYCLE
Ohmer E. Stutsman and George L. Becker, Dayton, Ohio
Application October 27, 1936, Serial No. 65,546
Term of patent 7 years



The ornamental design for a bicycle as shown and described.

103,352
DESIGN FOR A MOTION PICTURE VIEWER
Warren C. Tichenor, Glendale, Calif.
Application November 23, 1936, Serial No. 66,104
Term of patent 7 years



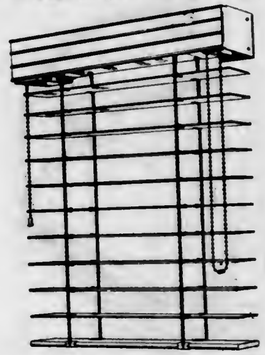
The ornamental design for a motion picture viewer as shown.

103,353
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application December 16, 1936, Serial No. 66,567
Term of patent 7 years



The ornamental design for a carpet or similar article, substantially as shown and described.

103,354
DESIGN FOR A VENETIAN BLIND
William Wade, Chicago, and Edwin North, Rockford, Ill., assignors to National Lock Co., Rockford, Ill., a corporation of Delaware
Application December 21, 1936, Serial No. 66,677
Term of patent 14 years



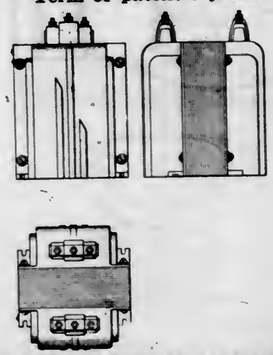
The ornamental design for a Venetian blind, as shown.

103,355
DESIGN FOR A BUCKLE
Herbert G. Whitehouse, Newark, N. J.
Application January 11, 1937, Serial No. 66,999
Term of patent 3½ years



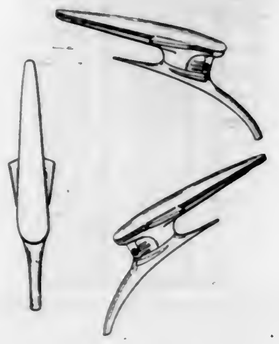
The ornamental design for a buckle substantially as shown.

103,356
DESIGN FOR A TRANSFORMER
Gerard McL. Cole, Chicago, Ill., assignor to General Transformer Corporation, Chicago, Ill., a corporation of Illinois
Application December 12, 1936, Seria' No. 66,497
Term of patent 7 years



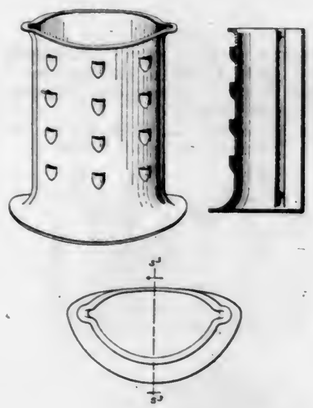
The ornamental design for a transformer, as shown.

103,357
DESIGN FOR AN AUTOMOBILE HOOD ORNAMENT
Lester K. Franklin, Chicago, Ill.
Application December 7, 1936, Serial No. 66,368
Term of patent 7 years



The ornamental design for an automobile hood ornament substantially as shown.

103,358
DESIGN FOR A SANITARY LAVATORY BRUSH CONTAINER
Arthur Illsche, Rye, N. Y.
Application August 27, 1936, Serial No. 64,595
Term of patent 7 years



The ornamental design for a sanitary lavatory brush container, as shown and described.

103,359
DESIGN FOR A SKI KIT
Florence N. Lewis, New York, N. Y.
Application January 14, 1937, Serial No. 67,045
Term of patent 7 years



The ornamental design for a ski kit as shown and described.

103,360
DESIGN FOR A BOTTLE
Franz Neuschaefer, Rye, N. Y.
Application December 16, 1936, Serial No. 66,559
Term of patent 7 years



The ornamental design for a bottle, as shown and described.

103,361
DESIGN FOR A PHONOGRAPH CABINET OR SIMILAR ARTICLE
Leland D. Norton and Carl H. Andresen, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application June 3, 1936, Serial No. 62,990
Term of patent 14 years



The ornamental design for a phonograph cabinet or similar article, as shown and described.

103,362
DESIGN FOR A LACE INSERT
Albert Ruchman, New York, N. Y.
Application January 30, 1937, Serial No. 67,349
Term of patent 3½ years



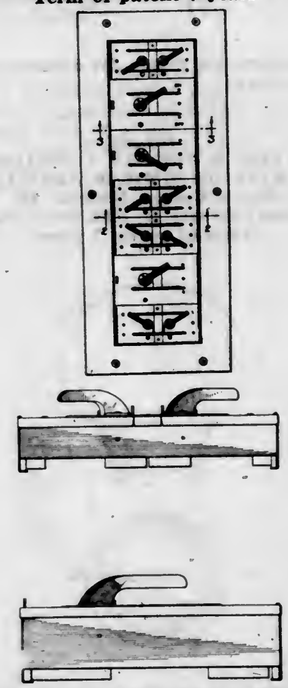
The ornamental design for a lace insert, substantially as shown.

103,363
DESIGN FOR AN ELECTRIC LAMP SUPPORT
Eugene Schwarz, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application November 27, 1936, Serial No. 66,167
Term of patent 14 years



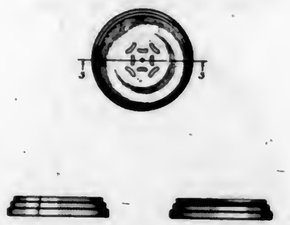
The ornamental design for an electric lamp support, substantially as shown and described.

103,364
DESIGN FOR AN ELECTRIC CONTROL PANEL BOARD
Carl W. Sundberg and Montgomery Ferar, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich.
Application October 3, 1936, Serial No. 65,156
Term of patent 7 years



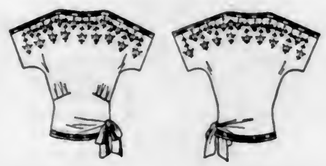
The ornamental design for an electric control panel board, substantially as shown.

103,365
DESIGN FOR A TRANSMITTER COVER
Christian A. Volf, New York, N. Y.
Application July 1, 1936, Serial No. 63,604
Term of patent 14 years



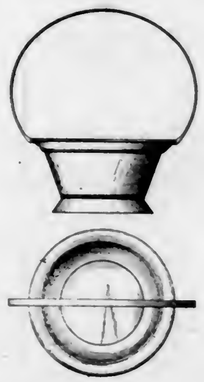
The ornamental design for a transmitter cover, as shown.

103,366
DESIGN FOR A BLOUSE
Irving H. Bernstein and Murray Pressiaff, New York, N. Y.
Application January 19, 1937, Serial No. 67,141
Term of patent 3½ years



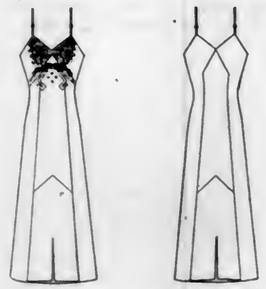
The ornamental design for a blouse, substantially as shown.

103,367
DESIGN FOR A DISPLAY CONTAINER FOR FRUIT OR SIMILAR ARTICLE
Morris Cooper, Chicago, Ill.
Application February 27, 1936, Serial No. 61,387
Term of patent 7 years



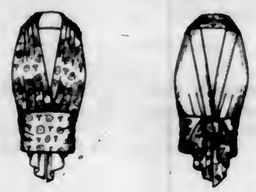
The ornamental design for a display container for fruit, or similar article as shown.

103,368
DESIGN FOR A SLIP
Melvin M. Goldstein, New York, N. Y.
Application January 23, 1937, Serial No. 67,257
Term of patent 3½ years



The ornamental design for a slip substantially as shown and described.

103,369
DESIGN FOR A GILET
Joseph E. Grotta, New York, N. Y.
Application January 19, 1937, Serial No. 67,142
Term of patent 3½ years



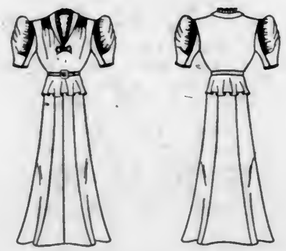
The ornamental design for a gilet, substantially as shown.

103,370
DESIGN FOR A DRESS
Aaron Guzy, New York, N. Y.
Application January 13, 1937, Serial No. 67,032
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

103,371
DESIGN FOR A DRESS
Aaron Guzy, New York, N. Y.
Application January 13, 1937, Serial No. 67,033
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

103,372
DESIGN FOR AN ORNAMENT FOR A SHOE OR SIMILAR ARTICLE
Jack Kowal, Brooklyn, N. Y.
Application November 28, 1936, Serial No. 66,186
Term of patent 3½ years



The ornamental design for an ornament for a shoe or similar article, substantially as shown.

103,373
DESIGN FOR A DRESS
Irwin Kranz, New York, N. Y.
Application January 13, 1937, Serial No. 67,031
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

103,374
DESIGN FOR A TEXTILE FABRIC
Leo Phillips, New York, N. Y.
Application January 8, 1937, Serial No. 66,942
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

103,375
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application January 5, 1937, Serial No. 66,891
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

103,376
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y.
Application February 3, 1937, Serial No. 67,421
Term of patent 3½ years



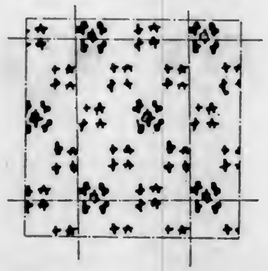
The ornamental design for a textile fabric substantially as shown.

103,377
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y.
Application February 3, 1937, Serial No. 67,422
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

103,378
DESIGN FOR A TEXTILE FABRIC
Cyril C. Ryan, Long Island, N. Y.
Application January 2, 1937, Serial No. 66,858
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

103,379
DESIGN FOR A TEXTILE FABRIC
Robert Schey, New York, N. Y.
Application February 2, 1937, Serial No. 67,399
Term of patent 3½ years



The ornamental design for a textile fabric as shown and described.

103,380
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application January 21, 1937, Serial No. 67,166
Term of patent 3½ years



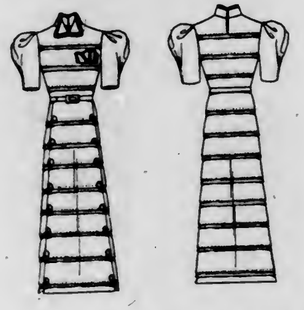
The ornamental design for a dress, substantially as shown.

103,381
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application January 21, 1937, Serial No. 67,167
Term of patent 3½ years



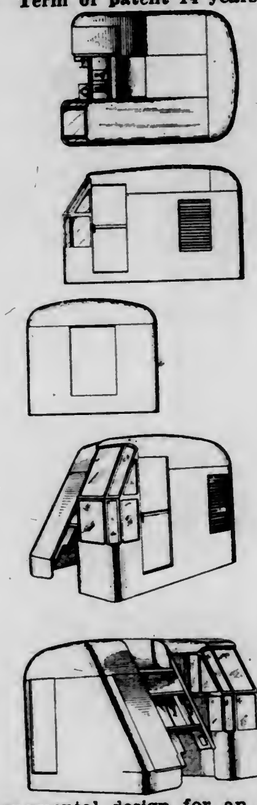
The ornamental design for a dress, substantially as shown.

103,382
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application January 14, 1937, Serial No. 67,059
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

103,383
DESIGN FOR AN ENCLOSED CAB FOR POWER SHOVELS OR SIMILAR DEVICES
George S. Lawson, Cleveland, Ohio, assignor to The Byers Machine Company, Ravenna, Ohio, a corporation of Ohio
Application April 6, 1936, Serial No. 61,973
Term of patent 14 years



The ornamental design for an enclosed cab for power shovels or similar devices substantially as shown.

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